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January 7, 1936

Trade-Marks	173—No.	331,338 to No.	331,510, inclusive.
T. M. Renewals	45		
Labels	34—No.	44,940 to No.	44,973, inclusive.
Prints	6—No.	15,545 to No.	15,553, inclusive.
Reissues	15—No.	19,304 to No.	19,318, inclusive.
Patents	844—No.	2,026,516 to No.	2,027,359, inclusive.
Designs	89—No.	92,045 to No.	92,133, inclusive.
Total	1,220		

Adjudicated Patents

(D. C. Mich.) Carothers patent, No. 1,875,317, for process for producing diphenyl *Held* invalid. *Swann Research* v. *Dow Chemical Co.*, 12 F. Supp. 270.

(D. C. Mich.) Carothers patent, No. 1,907,498, for process of producing diaryl hydrocarbons *Held* invalid. *Id.*

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,798,703, F. M. Rosenzweig, Induction train control system, decided December 12, 1935, claim 13.

Pat. 1,866,845, W. L. Edison, Signaling system, decided November 20, 1935, claims 1, 2, 3, 4, 5, 11, 12, and 13.

Pat. 1,914,612, B. B. Moeur, Jr., Aerial tow advertiser, decided December 10, 1935, claims 1 and 2.

Pat. 1,980,788, G. C. Woodruff, Refrigerator container for container cars, decided December 12, 1935, claim 5.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, Dec. 12, 1935.*

Coolee Engineers, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Edwin L. Wiegand Company, Pittsburgh, Pa., to effect the cancellation of trade-mark registration No. 164,660, issued February 27, 1923, to Coolee Engineers, 1711 East Seventeenth Street, Cleveland, Ohio, and a notice of such proceeding sent by registered mail to said Coolee Engineers at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Coolee Engineers, its assigns or legal representatives shall enter an appearance within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

Important Information

In ordering manuscript copies much time will be saved if the order states specifically what is desired, viz:

Application as originally filed. (Petition, specification, oath, and drawings, as received.) Application as amended. (Petition, specification, oath, and drawings with amendments entered.)

Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.)

Original application. (Facsimile petition, specification, oath, and drawings at present time.)

Specification as originally filed. (As received in Office.)

Specification as amended. (With amendments entered.)

Specification as allowed. (As passed by the Examiner for issue.)

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File-wrapper. (File-wrapper only.)

File-wrapper and contents. (File-wrapper, contents of record, including photoprints of any tracings or of prints within file-wrapper. In patented cases, printed copy of the specification and drawings of the patent is furnished.)

File-wrapper contents, and drawings. (File-wrapper and all of the contents of record, including photoprints of any tracings, exhibits, or prints within the file-wrapper. In pending cases, photoprints of the pending drawings only, omitting any canceled. If patented, copy of the specification and drawings of the patent being furnished, photoprints are not made of the original drawings unless specially order. If canceled drawings are wanted, they must also be specially ordered.)

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Printed Copies of Patents

A printed copy of the complete specification and drawings of any patent published herein can be obtained for ten cents.

Condition of Applications Under Examination at Close of Business December 21, 1935

(Total number of applications awaiting action, excluding Trade-Mark Division, 31,482; Trade-Mark Division, 1,173. Oldest new case, August 21, 1935; oldest amended, August 22, 1935.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: New	Oldest new application awaiting office action: Amended	No. of applications awaiting action
6634	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Oct. 15	Oct. 19	284
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Sept. 23	Sept. 20	701
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 23	Sept. 21	617
7083	4. DONNELLY, A. R. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Sept. 25	Sept. 23	373
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Oct. 5	Sept. 25	473
4896 C	6. LEWERS, A. M., Carbon Chemistry	Sept. 5	Sept. 6	633
5726	7. JARBOE, C. G., Optics; Photography	Oct. 23	Oct. 24	503
3980	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Sept. 9	Sept. 17	665
4634	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Nov. 13	Nov. 13	195
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Oct. 26	Oct. 30	221
3087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Sept. 10	Sept. 16	484
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Sept. 24	Sept. 24	445
5096	13. BOBLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Oct. 23	Oct. 23	302
5097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Sept. 27	Sept. 21	460
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Oct. 17	Oct. 17	589
5612	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 17	Sept. 17	656
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 5	Oct. 3	476
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 26	Sept. 21	395
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Sept. 27	Oct. 1	405
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Sept. 26	Oct. 10	193
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Oct. 12	Oct. 12	516
5734	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 1	Oct. 2	535
7034	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Aug. 21	Aug. 23	455
5063	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Oct. 4	Oct. 5	477
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Sept. 21	Sept. 21	510
5803	26. ADAMS, W. M., Electricity, Generation; Motive Power	Oct. 21	Oct. 21	231
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Sept. 30	Oct. 10	461
4626	28. BENSON, A. R., Internal-Combustion Engines	Oct. 7	Sept. 27	363
5062	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Oct. 15	Oct. 10	286
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 23	Sept. 21	493
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Sept. 21	Sept. 21	607
4096	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Oct. 23	Oct. 22	327
6096	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Sept. 21	Sept. 26	576
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Oct. 4	Sept. 20	481
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Sept. 21	Sept. 21	601
7802	36. McFADYEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Nov. 2	Nov. 2	252
5098 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Sept. 23	Sept. 24	558
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Sept. 30	Sept. 30	362
4872	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 24	Oct. 23	370
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Sept. 23	Sept. 23	534
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Oct. 15	Oct. 14	400
5962	42. CUTTING, H. O., Electric Signaling	Oct. 2	Oct. 3	263
4586 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Oct. 2	Oct. 1	640
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Sept. 3	Sept. 10	635
7697	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Oct. 26	Nov. 4	257
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers, Heating Systems; Coating Implements.	Sept. 20	Sept. 20	461
7009	47. BARKER, H., Clutches; Brakes	Oct. 17	Oct. 17	540
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Sept. 26	Sept. 28	522
7726	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Oct. 21	Oct. 19	443
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Sept. 14	Sept. 16	894
5626	51. BACKUS, C. D., Radiant Energy	Oct. 17	Oct. 17	521
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Sept. 28	Oct. 8	422
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Sept. 16	Sept. 30	624
5674	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Sept. 24	Sept. 21	561
6987	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Oct. 12	Oct. 12	470
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Sept. 23	Sept. 24	788
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Oct. 28	Nov. 1	305
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 23	Sept. 23	376
4709	59. RICHARD, V. L., Chemistry; Fertilizers	Oct. 4	Oct. 4	412
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Sept. 25	Oct. 4	223
6734	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Sept. 23	Sept. 26	272
3870	62. COCHRAN, W. W., Games; Geometrical Instruments	Oct. 16	Oct. 21	268
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Aug. 23	Aug. 23	630
1708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Oct. 7	Oct. 5	676
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters, Relays; Wave Transmission	Sept. 4	Sept. 4	955
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND	Nov. 20	Dec. 2	1,000
		Dec. 9	Dec. 14	93
2605	Designs, H. H. KALUPY (Act.)	Nov. 25	Dec. 11	870

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

THE CHANDLER & PRICE COMPANY

v.

BRANDTJEN & KLUGE, INC., AND JOSEPH FREEMAN, INC.

No. 11. November 11, 1935

1. INFRINGEMENT SUIT AGAINST USER OF MACHINE—RIGHT OF MANUFACTURER TO INTERVENE.

In patent infringement suit against user of machine, allegations in application by manufacturer of machine that manufacturer was real party in interest, and that plaintiff contemplated suing users of manufacturer's machines for patent infringement *Held* insufficient to show that as matter of equitable right manufacturer was entitled to intervene.

2. SAME—ENLARGEMENT OF ISSUE BY INTERVENOR.

Intervenor *Held* not entitled to come into suit for purpose of having adjudicated a controversy solely between it and plaintiff since issues tendered by or arising out of plaintiff's bill may not be so enlarged by intervenor.

3. EQUITY RULE 30 CONSTRUED.

Federal Equity Rule 30 permitting a defendant to set up any set-off or counter claim against the plaintiff which might be the subject of an independent suit against him *Held* not to authorise one given the privilege to intervene as a party defendant to set up and enforce against the plaintiff a counter claim not available to the original defendant and in which it had no interest.

4. EQUITY RULE 37 CONSTRUED.

Intervenor's counter claim involving nothing in which defendant is concerned *Held* not to constitute the "interest" referred to in the provision of Equity Rule 37 that "Anyone claiming an interest in the litigation may at any time be permitted to assert his right by intervention * * *".

5. INFRINGEMENT SUIT AGAINST USER OF MACHINE—COUNTER CLAIM OF INTERVENING MANUFACTURER DISMISSED.

Intervening defendant's counterclaim alleging infringement of its patent for improvements in sheet transferring mechanism of printing presses by plaintiff in suit for infringement of patent for improvements in automatic feed and delivery of such presses *Held* properly dismissed.

AFFIRMED.

Mr. Wallace R. Lane (*Mr. John F. Oberlin* with him on the brief) for petitioner.

Mr. Dean S. Edmonds (*Mr. John Howie* and *Mr. Curt Von Boetticher, Jr.*, with him on the brief) for respondents.

Mr. Justice BUTLER delivered the opinion of the Court.

Brandtjen & Kluge, Inc., brought this suit in the District Court for Eastern New York against Joseph Freeman, Inc. The bill alleges that plaintiff is the owner of patent, No. 1,363,200, for "Improvements in Automatic Feed and Delivery for Platen Presses", that defendant is using an infringing printing press, and prays injunction and accounting. Before answer by defendant, the Chandler & Price Company applied to the court for leave to intervene as a party defendant. The substance of the facts it alleges in order to show that it has an interest in the litigation (Equity Rule 37) is as follows: Petitioner is engaged in manufacturing and selling printing presses. It made and sold to defendant the one of which the bill complains, and intends openly to defend this suit. After it put its machine upon the market, plaintiff threatened to sue users for infringement and as a consequence petitioner's customers required it to give bonds for their protection. Before bringing this suit, plaintiff's counsel wrote defendant enclosing a copy of plaintiff's patent and asked defendant to respect their client's rights. That letter having been referred to petitioner, its counsel inquired of plaintiff's counsel whether suit would be brought against defendant (a user of one press) in the Eastern District of New York rather than directly against petitioner (a manufacturer and seller) in the Northern District of Ohio. Plaintiff's counsel answered that decision to sue defendant in the New York district had been reached and promised to serve a copy of the bill upon petitioner's counsel; shortly after commencement of suit that was done. Plaintiff's threats to bring infringement suits against users injured petitioner's business and unnecessarily harassed its customers. Although long before commencement of the suit its device had been shown to plaintiff's counsel and plaintiff knew that it was being sold throughout the United States, plaintiff did not sue petitioner. Defendant has not sufficient interest in the result of the litigation to defend this suit on its own account. Petitioner's intervention is necessary for the protection of its interest.

Contrary to the better practice, the application for intervention did not present a proposed answer. Cf. *Toler* v. *East Tennessee, V. & G. Ry. Co.*, 67 Fed. 168, 174. *Stallings* v. *Conn*, 74 F.(2d) 189, 191. It did not suggest that, independently of defendant or otherwise, petitioner sought opportunity in this suit to enforce a claim for patent infringement against the plaintiff. After hearing, the court granted the leave applied for. Thereupon, the defendant and intervenor filed an answer in which jointly they deny infringement and assert invalidity of plaintiff's patent. And in the same answer the intervenor separately sets up a counterclaim against the plaintiff for infringement of patent, No. 1,849,314, for "Improvements in Sheet Transferring Mechanism for Printing Presses" owned solely by it and prays decree against plaintiff for injunction and accounting. Maintaining that it states a cause of action to which the original defendant is a stranger, plaintiff moved to dismiss the intervenor's counterclaim. The District Court granted the motion. The Circuit Court of Appeals affirmed. 75 F.(2d) 472.

The order granting intervention is not here challenged. The sole question is whether intervenor may bring into this suit a controversy between it and plaintiff in which defendant has no interest.

[1] Intervenor insists that it, rather than the defendant sued, is the real party in interest and that its counterclaim should be permitted so that the

entire controversy between the real parties may be settled in a single suit. But intervenor's legal position in relation to the case differs essentially from what it would have been had the bill named it as a defendant and alleged a cause of action against it in the infringement suit. Undoubtedly in such a case the petitioner, whether or not suable in that district (§ 48, Judicial Code) would have had the right to enter its appearance and make its defense, and also to set up counterclaim against plaintiff. *Leman* v. *Krentler-Arnold Co.*, 284 U. S. 448, 451, 1932 C. D. 564. *General Elec. Co.* v. *Marvel Co.*, 287 U. S. 430, 435, 1933 C. D. 570. Here plaintiff's alleged cause of action is use by the defendant of a single machine alleged to infringe patent, No. 1,363,200, belonging to plaintiff. Defendant has no interest in patent No. 1,849,314, owned by intervenor and made the basis of the counterclaim in question. The bill neither alleges any cause of action nor prays judgment against the intervenor. Petitioner was not sued and, until granted leave to intervene, it was a stranger to the suit. The facts alleged in its application were not sufficient to show that as a matter of equitable right petitioner is entitled to intervene. *Western Union Telegraph Co.* v. *United States & M. T. Co.*, 221 Fed. 545, 552. *United States Trust Co.* v. *Chicago Terminal T. R. Co.*, 188 Fed. 292, 296. *Toler* v. *East Tennessee, V. & G. Ry. C.*, supra, 171–172. *Chester* v. *Life Ass'n of America*, 4 Fed. 487, 491. The showing presents a situation familiar in patent infringement cases brought against a user where the maker of the accused article is upon its application and in the discretion of the court permitted to intervene. *Curran* v. *St. Charles Car Co.*, 32 Fed. 835, 836. *Foote* v. *Parsons Non-Skid Co.*, 196 Fed. 951, 953. *Continuous Extract P. Corp.* v. *Eastern Cotton Oil Co.*, 264 Fed. 340. *Baldwin* v. *Abercrombie & Fitch Co.*, 227 Fed. 455; 228 Fed. 895, affirmed *sub nom. Abercrombie & Fitch Co.* v. *Baldwin*, 245 U. S. 198, 200, 246 O. G. 567. See *Angier* v. *Anaconda Wire & Cable Co.*, 48 F.(2d) 612, 613. The record discloses no foundation for the claim that the defendant sued is not, or that the intervenor is, the real defendant in interest.

[2] There is no suggestion that defendant has any interest in the counterclaim or that the issues between intervenor and plaintiff that are tendered by, or that might possibly arise out of, the counterclaim may not be adjudged in a separate suit. The intervenor was not entitled to come into the suit for the purpose of having adjudicated a controversy solely between it and plaintiff. Issues tendered by or arising out of plaintiff's bill may not by the intervenor be so enlarged. It is limited to the field of litigation open to the original parties. *Curran* v. *St. Charles Car Co.*, supra, 837. *Powell* v. *Leicester Mills*, 92 Fed. 115. *Atlas Underwear Co.* v. *Cooper Underwear Co.*, 210 Fed. 347, 355. *Leaver* v. *K. & L. Box & Lumber Co.*, 6 F.(2d) 666. *De Sousa* v. *Crocker First Nat. Bank*, 23 F.(2d) 118, 122. *Board of Drainage Com'rs* v. *Lafayette Southside Bank of St. L.*, 27 F.(2d) 286, 296. *Tretolite Co.* v. *Darby Petroleum Corporation*, 5 F. Supp. 445, 446. The decisions of the District Court and the Circuit Court of Appeals in *United States Expansion Bolt Co.* v. *H. G. Kroncke H. Co.*, 216 Fed. 136; 224 Fed. 868, are disapproved to the extent, if at all, that they tend to support intervenor's contention that it is entitled to set up the counterclaim.

[3–4] The intervenor invokes Equity Rule 30 and insists that counterclaims there referred to are not restricted to those required or permitted to be set up by a defendant sued in contradistinction to an intervenor as party defendant under Rule 37. And it further insists that, by virtue of the leave to intervene and in view of the answer interposed, it is a defendant within the meaning of Rule 30. That rule declares:

"The defendant by his answer shall set out . . . his defense to each claim asserted in the bill . . . The answer must state . . . any counterclaim arising out of the transaction which is the subject-matter of the suit, and may, without cross-bill, set up any set-off or counterclaim against the plaintiff which might be the subject of an independent suit in equity against him . . ."

It is true, as suggested by the intervenor, that this rule does not expressly make a distinction between a defendant named in the bill and one who, leave having been granted, intervenes as a party defendant. But the context makes against construing the word "defendant" as used in the rule to include one permitted to intervene. See *Allington* v. *Sheville-Hixon Co.*, 2 F.(2d) 747, 749. The statement that defendant shall set up his "defense to each claim asserted in the bill" is inconsistent with the construction for which the intervenor here contends. Intervention necessarily is subsequent to the commencement of the suit. As shown above, this bill does not make the intervenor a party or allege aught against it. It is plain that the rule does not authorize one given the privilege to intervene as party defendant to set up and enforce against the plaintiff a counterclaim not available to the original defendant and in which it had no interest. Construction of the rule that denies intervenor the right to set up the counterclaim in question is supported by Equity Rule 37 which declares:

"Anyone claiming an interest in the litigation may at any time be permitted to assert his right by intervention . . ."

It is essential that the applicant shall claim an interest in the matters there in controversy between the plaintiff and original defendant. The purpose for which permission to intervene may be given is that the applicant may be put in position to assert in that suit a right of his in respect of something there in dispute between the original parties. Intervenor's counterclaim, involving nothing in which defendant is concerned, does not constitute the interest referred to in Rule 37.

[5] Exclusion from the litigation of that demand is consonant with reason and in the interest of justice. Introduction by intervention of issues outside those that properly may arise between the original parties complicates the suit and is liable to impose upon plaintiff a burden having no relation to the field of the litigation opened by his bill. *Leaver* v. *K. & L. Box & Lumber Co.*, supra. *Gregory* v. *Pike*, 67 Fed. 837, 845. In the absence of language definitely requiring it, the construction of Rule 30 for which the intervenor contends cannot reasonably be sustained. The counterclaim against the plaintiff was rightly dismissed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE PARKER

No. 3,851. Decided November 25, 1935

1. METHOD AND APPARATUS—FUNCTION OF MACHINE.

"From all the authorities it appears that the rule has become well settled that if the method of a claim can be performed by any other apparatus than that of the applicant, or if it can be performed by hand, it cannot be said that the claim recites the mere function of the apparatus."

2. SAME—METHOD OF GATHERING AND DELIVERING GLASS FROM A POOL.

A claim for a method of gathering glass from a pool and delivering it to a series of moving receivers *Held* improperly rejected as reciting purely and simply the mechanical movement of the device.

APPEAL from the Patent Office. Reversed.

Messrs. Owen & Owen and *Mr. Scott H. Lilly* for Parker.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.*:

Appellant has here appealed from the decision of the Board of Appeals of the United States Patent Office, which affirmed the action of the Primary Examiner in rejecting claim 1, being the only method claim, in appellant's application for a patent on a method of and apparatus for gathering glass from a pool of molten glass and delivering it to a series of receivers where blown glassware is formed. Claims 2, 4, and 5, directed to an apparatus for carrying out the method, were allowed. Claim 1 reads as follows:

1. The method of gathering glass from a pool and delivering it to a series of receivers, moving past the pool, by a gathering device, which consists in moving the gathering device over the pool, while gathering, in a direction opposite to the direction of movement of the receiving devices, then from the pool to registration with a receiving device, then in synchronism with and over the receiving device for a material distance and in vertical alignment therewith while delivering gathered glass thereto, then directly back over the pool to the starting point, and repeating the cycle and delivering a gather to another glass receiver.

While the method involved may be understood fairly well from the claim itself, the Board has stated the steps of the method and the requirements of the claim quite definitely in the following language:

* * * In this connection it may be noted that the method set forth in the appealed claim requires that a gathering device must move over a pool of molten glass in contact with its surface while gathering. This movement must be in a direction opposite to the direction of movement of receiving mold devices while they are moving past the pool. The gathering device must then move from the pool to position over the receiving mold device and travel in synchronism therewith for a material distance in vertical alignment therewith while delivering gathered glass thereto, then the gathering device must again move over the pool to its original starting point and repeat the cycle.

The Primary Examiner in allowing the apparatus claims, said:

* * * The machine has exactly the same mechanical elements as the British patent but to perform in the desired manner would require a different control structure. The apparatus claims have accordingly been allowed.

The method claim which was by the Examiner rejected as unpatentable over the British patent to Thomson-Houston, 293,456 of January 3, 1929, in view of Rule, 1,453,285, of May 1, 1923, was further rejected by him as being drawn to the function of appellant's machine. Certain other patents are in the record and were used to illustrate the movements of feeding devices in the glass feeding art.

The Board of Appeals disagreed with the Examiner as to his rejection of the involved claim on the prior art and definitely held that the claim was not anticipated by the references "either alone or taken in combination". The Board affirmed the action of the Examiner in rejecting the claim on the ground that it was merely the statement of the function of the machine and said:

Concerning the question of rejection on the ground that the appealed claim is merely a statement of the function of the machine, we believe it is established that the situations as to the allowance of machine claims and claims in the form of purely mechanical steps which correspond or are similar to the mechanical action of the machine, may be classed in three groups. In the first situation the statement of method may so closely follow the action of the machine as to be practically dependent thereon and not conceivable as being carried out separately or to any practical extent separately from or independently of the machine. In such case the method represents nothing but the action of the machine and should not be considered to be a true separately patentable method. In another situation the method may be of such nature that while it can be applied in terms to a machine still it is clearly not at all dependent upon any particular machine but would obviously be useful in general as carried out either manually or by implements or other forms of machines built on different plans from the one shown. Probably in most such cases claims for the method would if allowable over the state of the art, constitute a separate subject of invention and generally should not be allowed to stand in the same case with claims for the machine. The third case may be regarded as constituting an intermediate zone where it may be difficult to decide between whether the claimed method represents anything separate from the mere function of the machine or may doubtfully be separate enough as to constitute a true subject of invention. In such cases the question of patentability of the method over the machine is one for individual determination.

After careful consideration of the situation presented here it is our opinion that while it is conceivable that the steps set forth in the sequence of that of the appealed claim might be partly carried out by hand, such alleged method represents nothing of practical importance if separated from a machine of the type shown. So far as stirring the glass in the furnace to produce a current therein is concerned, it is totally immaterial whether the gathering or blank forming element move in one direction or another while in the glass. The essential requirement is that the gathering device which must oscillate for a time with the continuously traveling receiving molds should make the shortest and most conformable path of travel to accomplish this. This is believed to be purely and simply the mechanical movement of the device and it is not regarded as being a true patentable method separate from the machine. It is regarded as so clearly and simply the movement of parts of this particular machine that we do not believe it constitutes such method. *We have given careful consideration to and agree with applicant's contention that the relation of movements of this gathering device and the receiving molds is probably the most efficient of the various different ways of moving them,* that is, where the paths of movement of the two parts are broadly analogous to that of points on two meshing gears. However, this is believed to be only function of machine and not true method. The act of stirring the glass in a backward direction relative to the molds is an independent matter which as such is of no advantage over stirring it in the other direction. [Italics ours.]

It is our opinion that this ground of rejection is warranted.

The courts have frequently had before them questions quite similar to the one presented here, namely: When is a method claim objectionable as being a mere recital of the function of a machine? This court has, on a number of occasions, considered the question here presented. Substantially the same

question was involved in our decision of the case of *In re McKee*, 23 C. C. P. A. (Patents—, — F.(2d)— (Patent Appeal No. 3534), decided concurrently herewith. In *In re Ernst et al.*, 21 C. C. P. A. (Patents) 1235, 71 F.(2d) 169, 449 O. G. 507, the authorities were carefully considered and our reasoning in that case was followed in *In re McCurdy*, 22 C. C. P. A. (Patents) 1140, 76 F.(2d) 400, 459 O. G. 923.

[1] From all the authorities it appears that the rule has become well settled that if the method of a claim can be performed by any other apparatus than that of the applicant, or if it can be performed by hand, it cannot be said that the claim recites the mere function of the apparatus so as to make its allowance double patenting. We think this rule, when applied to the issue at bar, controls the decision of the only question presented. If the steps of the method may be performed by other apparatus or by hand, the ground of rejection by the Board, we think, must be held to be unsound.

It will be noticed that in the opinion of the Board is the following statement:

> After careful consideration of the situation presented here it is our opinion that while it is conceivable that the steps set forth in the sequence of that of the appealed claim might be partly carried out by hand, such alleged method represents nothing of practical importance if separated from a machine of the type shown * * *.

It is difficult to understand just what is meant by the latter part of the last-quoted language. The Solicitor for the Patent Office, after quoting this part of the Board's decision, states:

> As the Board of Appeals intimated, it is apparent that an implement held in the hand and guided by the hand could gather glass from a pool and deposit it in a series of receivers. As the Board of Appeals observed, however, the particular movement imparted by hand would there be without patentable significance * * *.

If the Board by the above-quoted language meant to say, and we know of no other meaning to give the language, that before the rule we are here considering can be applied in cases like that at bar, the carrying out of the method by hand should be of practical importance to the extent that it is commercially important, we think it was in error. In making application of the rule, surely the Patent Office or the courts are not required to weigh and consider the merits of the practical and commercial possibilities involved in a comparison of machine operation and hand operation. It frequently occurs, as it has in the case at bar, that a given piece of work may be done by hand by following a sequence of steps, the steps of which method may be new, useful and inventive, and an inventor then may produce a machine that will carry out the steps of the invention. Invention may rest in the steps of the method and it may rest in the production of the machine. In the case at bar, the Board has held that the prior art did not disclose the steps of appellant's method, and because of the novelty and usefulness of the appellant's device, the article claims were allowed by the Examiner. Appellant in his brief has discussed the prior art with a view of showing not only that appellant's process might be carried out by the hand operation of certain features of prior art machines, but also to illustrate the possibility of appellant's process being carried out by more than one kind of machine.

[2] After careful consideration we are of the opinion that the Board of Appeals erred in holding that the steps of the method were "purely and simply the mechanical movement of the device" which had been held to be patentable. The Board was of the opinion that the relation of movements of the gathering device and the receiving molds was "probably the most efficient of the different ways of moving them". We think it is clearly apparent that appellant's method is an advancement in the art. We think he is entitled to a claim which will afford him adequate protection. He would have no adequate protection if others were privileged to carry out appellant's novel method of glass feeding by using some other kind of machine with which to do it.

The decision of the Board of Appeals is reversed.
Reversed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

1,266,988, Pridham & Jensen, Amplifying receiver; 1,881,324, H. E. Metcalf, Signal reproducer, D. C., N. D. Calif. (San Francisco), Doc. E 3497-K, *The Magnavox Co.* v. *Victory Speakers, Inc.* Dismissed for want of prosecution Nov. 4, 1935.

1,271,724. (See 1,518,080.) 1,282,699. (See 1,518,080.)

1,299,024, B. A. Proctor, Stock quotation projector; 1,666,304, same, Projecting machine; 1,666,305, same, News projection machine; 1,666,306, same, Tension control for ticker tape; 1,666,307, same, Jump absorbing mechanism, D. C., S. D. N. Y., Doc. E 81/151, *Trans-Lux Movie Ticker Corp. et al.* v. *B. T. Burton et al.* (*Burton, Cluett & Dana*). Consent and order of discontinuance (notice Nov. 13, 1935).

1,419,301, E. J. Palmer, Card holder, 1,583,740, same, Placard holder, D. C. Kans., 2d Div., Doc. 717-N, *E. J. Palmer* v. *Barnsdall Refining Co.* Dismissed with prejudice (notice Nov. 7, 1935).

1,457,680, W. A. Whitaker, Flotation process; 1,467,354, N. C. Christensen, Process of concentrating oxidised ores and minerals, D. C. Dela., Doc. E 1086, *Phosphate Recovery Corp.* v. *Southern Phosphate Corp.* Consent decree, permitting plaintiff to withdraw patent 1,467,354 from the bill, and adjudging non-infringement of 1,457,680. Nov. 4, 1935.

1,467,354. (See 1,457,680.)

1,467,614, C. W. Eads, Finger nail cleaning compound; 1,819,004, W. C. Roessinger, Toilet article, C. C. A., 2d Cir., Doc. 14,203, *Northam Warren Corp.* v. *D. F. Newfield Co., Inc. et al.* Decree affirmed (notice Nov. 18, 1935).

1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system, C. C. A., 2d Cir., Doc. —. *Radio Corp. of America et al.* v. *F. A. Andrea et al.* Decree reversed (notice Nov. 12, 1935).

1,507,017. (See 1,507,016.)

1,512,566, Tucker & Reeves, Method and apparatus for delivering viscous glass; 1,864,277, same, Shear structure for glass machinery; 1,621,426, 1,642,967, 1,642,968, W. J. Miller, Apparatus for producing mold charges of molten glass; 1,717,802, same, Process and apparatus for feeding glass; 1,629,409, K. E. Peller, Apparatus for separating molten glass into mold charges; 1,662,436, same, Apparatus for and method of feeding molten glass; 1,662,437, same, Apparatus for feeding molten glass; 1,732,771, same, Apparatus for obtaining charges of molten glass; 1,760,435, same, Shear mechanism for glass feeders; 1,788,413, T. C. Steimer, Glass feeding mechanism, filed Nov. 12, 1935, D. C., W. D. Pa., Doc. E 3149, *Hartford-Empire Co.* v. *Tygart Valley Glass Co.*

1,518,080, A. H. Kyler, Can labeling machine; 1,282,699, Knapp & Dewey, Can wrapping machine; 1,271,724, same, Labeling machine, filed July 9, 1935, D. C. Md., Doc. E 2349, *Standard-Knapp Corp.* v. *Burt Machine Co., Inc.*

1,564,285. (See Re. 16,073.)

1,564,909, T. C. Steimer, Glass feeding mechanism; 1,573,742, K. E. Peller, Feeding molten glass; 1,923,554, same, Machine for feeding molten glass; 1,760,999, Tucker & Reeves, Timing mechanism for glass feeders, filed Nov. 12, 1935, D. C., W. D. Pa., Doc. E 3147, *Hartford-Empire Co.* v. *Tygart Valley Glass Co.*

1,573,341, E. B. Hiatt, Device for packing fruit; 1,603,693, same, Ring packing lid, D. C., W. D. N. Y., Doc. 1075, *Carpenter-Hiatt Sales Co.* v. *Clark Stick-O Corp.* Dismissed for lack of prosecution Nov. 12, 1935.

1,573,742. (See 1,564,909.)

1,582,165, J. Cantor, Electric coffee urn; 1,708,663, F. J. Cross, Percolator; Des. 80,143, H. H. Schott, Sugar bowl; Des. 80,144, same, Cream pitcher; Des. 80,147, same, Coffee percolator; Des. 83,131, same, Combined casserole and tray, D. C., W. D. N. Y., Doc. 827, *Robeson Rochester Corp.* v. *Samson-United Corp.* Dismissed for lack of prosecution Nov. 12, 1935.

1,583,740. (See 1,419,301.) 1,603,693. (See 1,573,341.)

1,621,426. (See 1,512,566.) 1,629,409. (See 1,512,566.)

1,638,396, Hall & Lloyd, Fuel stoking device; Re. 17,925 (of 1,703,130), M. J. Wightman, Mechanical stoker; Re. 18,006 (of 1,756,025), C. H. Hall, Ash removing device, D. C., W. D. N. Y., Doc. 1172, *Domestic Stoker Co.* v. *Empire Development Corp.* Dismissed for lack of prosecution Nov. 12, 1935.

1,642,967. (See 1,512,566.) 1,642,968. (See 1,512,566.)

1,650,661. (See Re. 16,073.)

1,658,874, 1,853,249, T. W. Ainlay, Ore separator, filed Nov. 4, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E 770-Y, *Ainlay Centrifugal Gold Separator Co.* v. *Soledad Placer Co. et al.*

1,662,436. (See 1,512,566.) 1,662,437. (See 1,512,566.)

1,666,304. (See 1,299,024.) 1,666,305. (See 1,299,024.)

1,666,306. (See 1,299,024.) 1,666,307. (See 1,299,024.)

1,680,268, G. Weiss, Absorbent pad machine; 1,794,358, W. Bauer, Pad making machine, D. C., M. D. Pa., Doc. 853, *International Cellucotton Products Co.* v. *Caledonia Cellulose Co., Inc.* Dismissed without prejudice Nov. 19, 1935.

1,699,076, 1,837,280, Mumm & Mumm, Sausage casing and process of producing same, D. C. Minn., 4th Div., Doc. E 2717, *B. J. Mumm* v. *J. E. Decker & Sons.* Dismissed Nov. 4, 1935.

1,703,130. (See 1,638,396.) 1,708,663. (See 1,582,165.)

1,717,802. (See 1,512,566.)

1,725,742, 1,875,894, J. A. Singmaster, Artificial silk filament and method of making same, filed Aug. 21, 1935, D. C. Md., Doc. E 2384, *Tubize Chatillon Corp.* v. *Celanese Corp. of America.*

1,732,771. (See 1,512,566.)

1,754,486, H. H. Schott, Waffle iron; 1,764,908, H. M. Strauss, same, D. C., W. D. N. Y., Doc. 345, *Robeson-Rochester Corp.* v. *Samson-United Corp.* Dismissed for lack of prosecution Nov. 12, 1935.

1,756,025. (See 1,638,396.)

1,760,435. (See 1,512,566.) 1,760,999. (See 1,564,909.)

1,764,908. (See 1,754,486.)

1,777,435, 1,915,098, A. W. Kile, Frost shield, C. F. Hogelund, Full vision frost shield; C. C. A., 8th Cir. (St. Louis), Doc. 10270, *Durkee-Atwood Co.* v. *The Juckem Co.* Decree affirmed Nov. 2, 1935.

1,781,340, K. E. Peller, Feeding molten glass; 1,873,021, same, Method of and apparatus for feeding molten glass; 1,864,278, Tucker & Reeves, Method of getting and delivering formed charges of viscous glass, filed Nov. 12, 1935, D. C., W. D. Pa., Doc. E 3148, *Hartford-Empire Co.* v. *Tygart Valley Glass Co.*

1,788,413. (See 1,512,566.) 1,792,642. (See 1,855,182.)

1,794,358. (See 1,680,268.) 1,819,004. (See 1,467,614.)

1,819,258, 1,892,993, M. Nevin, Syringe; 1,839,695, same, Hypodermic syringe, D. C., S. D. N. Y., Doc. E 74/447, *Novocol Chemical Mfg. Co., Inc.*, v. *H. Epstein et al.* Consent decree sustaining patents and granting injunction (notice Nov. 9, 1935).

1,837,280. (See 1,699,076.) 1,839,695. (See 1,819,258.)

1,853,249. (See 1,658,874.)

1,855,182, Jones & Shomaker, Feeding mechanism; 1,792,642, same, Dating and numbering mechanism, C. C. A., 4th Cir., Doc. 3851, *Duplex Envelope Co., Inc.*, v. *Denominational Envelope Co. et al.* Decree affirmed Nov. 12, 1935.

1,864,277. (See 1,512,566.) 1,864,278. (See 1,781,340.)

1,873,021. (See 1,781,340.) 1,875,894. (See 1,725,742.)

1,881,324. (See 1,266,988.) 1,892,993. (See 1,819,258.)

1,915,098. (See 1,777,435.) 1,923,554. (See 1,564,909.)

1,970,238, R. Kretser, Knitting machine; 1,989,617, H. S. Horrocks, same, filed Nov. 13, 1935, D. C., E. D. N. Y., Doc. E 7819, *H. Brinton Co. et al.* v. *S. Mahoon et al.*

1,989,617. (See 1,970,238.)

Re. 16,073, 1,564,285, 1,650,661, A. H. Smith, Compartment freight car, appeal filed Nov. 7, 1935, C. C. A., 2d Cir., Doc. —, *The Less Carload Lots Co. et al.* v. *The Pa. Railroad Co.*

Re. 17,925. (See 1,638,396.)

Re. 18,006. (See 1,638,396.)

Des. 80,143. (See 1,582,165.)

Des. 80,144. (See 1,582,165.)

Des. 80,147. (See 1,582,165.)

Des. 83,131. (See 1,582,165.)

T. M. 47,189, The Coca Cola Co., Nutrient or tonic beverage; T. M. 238,145, T. M. 238,146, same, Beverage and syrup for the manufacture of such beverage, filed Nov. 9, 1935, D. C., M. D. Ga. (Americus), Doc. E 91, *The Coca Cola Co.* v. *G. B. Graham.*

T. M. 155,090. (See T. M. 163,177.)

T. M. 163,177, T. M. 155,090, Standard Oil Co. of N. Y., Petroleum and products of petroleum, with or without admixture of other materials; T. M. 170,736, same, Petroleum products—namely, gasoline and naphtha, D. C. R. I., Doc. 485, *Socony-Vacuum Oil Co., Inc.*, v. *A. Cohen et al.* Decree for complainant Nov. 12, 1935.

T. M. 170,736. (See T. M. 163,177.)

T. M. 238,145. (See T. M. 47,189.)

T. M. 238,146. (See T. M. 47,189.)

Changes in Classification

Order No. 3,336, December 18, 1935, directs:

In *class 17, Butchering* (Division 2), establish the following subclasses and definitions:

Fowl
- 11.1 Plucking.
- 11.2 Scalding tanks.
- 11.3 Sinew removing.
- 42.1 Larding pins.

Supports and shackles
- 44.1 Fowl.
- 44.2 Hangers
- 44.3 Clamp or prongs.
- 44.4 Smoke sticks.

11.1. Devices for removing the feathers from fowls.

11.2. Tanks particularly adapted for the scalding of fowls. Note.—For tank structure of general application, see class 157, WATER DISTRIBUTION, subclasses 21, 68, 106, and 163.

11.3. Devices for removing sinews from fowls.

42.1. Devices for inserting a strip of fat into a piece of meat.

Note.—For devices for inserting a curing medium into meat, see class 99, FOODS AND BEVERAGES, subclasses 256 and 257.

44.1. Devices coming under the definition of subclass 44 specifically adapted for holding fowls.

44.2. Devices for suspending carcasses or parts of animals and the grapples employed therewith.

(1) Note.—See class 211, SUPPORTS, RACKS, subclass 113, for suspended racks.

(2) Note.—See class 248, SUPPORTS, subclass 317, for the general class of suspended supports.

(3) Note.—See class 294, HANDLING, HAND AND HOISTING IMPLEMENTS, for grapples.

44.3. Devices coming under the definition of subclass 44.2 having a clamp or prong to secure the meat.

44.4. Devices for supporting link sausage while smoking the same.

Note.—For smoking apparatus, see class 99, FOODS AND BEVERAGES, subclasses 259–262.

The patents contained in these subclasses have been taken for the most part from class 99, Preserving, abolished in this order, and from class 17, Butchering, subclasses 11 and 44.

In *class 17, Butchering* (Division 2), in the definition of subclass 44 change "suspending" in the first line to *supporting*.

In *class 23, Chemistry* (Division 59), establish the following subclass, and definition:

Leaching
272.1 Dissolving.

272.1. Apparatus for dissolving compounds (including salt and sugar) in a liquid.

The patents contained in this subclass have been taken for the most part from class 99, Preserving, subclass 2, abolished in this order, and from various subclasses in class 23.

In *class 23, Chemistry* (Division 59), establish the following search note after the definition of subclass 233:

Note.—See class 99, FOODS AND BEVERAGES, subclass 220, for sterilization of foods by metal contact;

and establish the following search note after the definition of subclass 290:

Search Class—
99—FOODS AND BEVERAGES, subclass 238.

In *class 31, Dairy* (Division 2), change the definition of subclass 88 by inserting before the word "Methods" in the first line the word *Manipulative*, and adding the following search note:

Note.—For methods of making cheese involving other than manipulative steps, see class 99, FOODS AND BEVERAGES, subclasses 115–117;

and change the definition of subclass 89 by inserting before the word "Methods" in the first line the word *Manipulative*, and adding the following search notes:

Note.—For methods of making butter involving other than manipulative steps, see class 99, FOODS AND BEVERAGES, subclasses 119–121.

Note.—For methods of treating milk and cream involving other than manipulative steps, see class 99, FOODS AND BEVERAGES, subclasses 91, and intervening subclasses, 151, 188–195, 200–202, and 212.

In *class 53, Domestic Cooking Vessels* (Division 1), establish the following subclasses:

15 Cookers
16 With canning.
17 Agitating.
18 Continuous.
19 Sealed can processors
20 Processes.
21 Processes.

The patents contained in these subclasses have been taken for the most part from class 99, Preserving, subclasses 2, 8, and 11, abolished in this order.

In *class 119, Animal Husbandry* (Division 2), abolish the search note after the definition of subclass 44, and establish the following note in lieu thereof:

Note.—See class 99, FOODS AND BEVERAGES, subclass 262, for egg preserving apparatus combined with pan turners, and egg turners per se used in preserving eggs.

In *class 126, Stoves and Furnaces* (Division 19), establish the following search notes after the definition of subclass 272:

Note.—See class 53, DOMESTIC COOKING VESSELS, subclasses 15–21.

Note.—See class 99, FOODS AND BEVERAGES, subclass 214.

In *class 202, Distillation* (Division 64), change the definition of subclass 76 by adding:

and other than beverages. If the distillation product is modified to make a beverage, it is not placed here.

Note.—For beverages, see appropriate subclasses in class 99, FOODS AND BEVERAGES.

In *class 99, Preserving* (Division 63), abolish the following subclasses:

18 Disinfecting apparatus
19 Candle holders.
12 Wood saturation.

The patents formerly contained in these subclasses have been placed for the most part in class 21, Preserving and Disinfecting, established in this order.

Establish, in Division 63, the following class and subclasses:

Class 21 Preserving and Disinfecting.
1 Miscellaneous.
18 Disinfecting apparatus
19 Candle holders.
12 Wood saturation.

The patents contained in this class have been taken for the most part from class 99, Preserving, subclasses 12, 18, and 19, abolished in this order.

In *class 99, Preserving* (Division 63), change the title of the class to read class 99, Foods and Beverages, abolish the existing subclass titles, and establish in lieu thereof the subclasses indicated in the new loose leaves now being printed for insertion in the Manual of Classification, and the definitions which will appear in Bulletin 65.

(Lists of subclass titles and the definitions may be seen in the Search Room and in the Classification Division, Room 3616, pending publication.)

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 7, 1936

[VOL. 402. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 365,822. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed June 5, 1935.



For Silicate, Purified Clay, China Clay, and Enamel Frit.

Claims use since 1898.

Ser. No. 370,311. PHIL KLEIN, New York, N. Y. Filed Oct. 12, 1935.



The term "Never Wet" is disclaimed apart from the mark.

For All Kinds of Fur Skins.

Claims use since 1929.

CLASS 2

Receptacles

Ser. No. 371,798. WHITE METAL MANUFACTURING COMPANY, Hoboken, N. J. Filed Nov. 20, 1935.



For Metal Collapsible Tubes.

Claims use since October, 1933.

Ser. No. 372,006. ELGIN AMERICAN COMPANY, Elgin, Ill. Filed Nov. 26, 1935.

THINSIE

For Vanity Cases, Rouge Boxes, Compact Boxes, and Powder Containers, All Empty and Made in Whole or in Part of Base Metal.

Claims use since Oct. 19, 1935.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 364,396. NORTON COMPANY, Worcester, Mass. Filed April 30, 1935.

LITHO BRADE

For Abrasive Grain Used for Graining Lithographic Plates.

Claims use since Apr. 17, 1935.

Ser. No. 369,220. DINET AND DELFOSSE, Chicago, Ill. Filed Sept. 12, 1935.

DUANE'S
SUPERFATTED SULPHUR SOAP
DINET AND DELFOSSE

The words "Sulphur Soap" are disclaimed apart from the mark.
For Chemically Treated Soaps.
Claims use since Oct. 5, 1934.

Ser. No. 369,221. DINET AND DELFOSSE, Chicago, Ill. Filed Sept. 12, 1935.

DUANE'S
SUPERFATTED SOAP
DINET & DELFOSSE

The word "Soap" is disclaimed apart from the mark.
For Chemically Treated Soaps.
Claims use since Feb. 5, 1915.

Ser. No. 370,338. FRANCIS G. CLARK, doing business as Clark Products Company, Lompoc, Calif. Filed Oct. 14, 1935.

CLARCO

For Scouring Powder—Namely, a Cleansing and Polishing Preparation for General Household Use.
Claims use since Apr. 1, 1935.

Ser. No. 370,928. CHARLES BEAHM, doing business as Laborlite Company, Portland, Oreg. Filed Oct. 28, 1935.

LABORLITE

For Cleanser, Cleaning, and Washing Compound Which Is a Soap Saver and Has Incidental Water Softening Properties.
Claims use since Aug. 29, 1929.

Ser. No. 371,446. OTTO EUGEN SCHNEIDER, doing business as Otto Eugen Schniche Co., Hanover, N. H. Filed Nov. 11, 1935.

MOTOR
Schmi's

For Wax for Use on Skis, Shoes, and the Like.
Claims use since May 15, 1935.

Ser. No. 371,729. COMFORT MANUFACTURING COMPANY, doing business as Craig-Martin, Chicago, Ill. Filed Nov. 19, 1935.

CRAIG-MARTIN

For Soaps and Shaving Creams.
Claims use since Nov. 5, 1930.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 352,564. WESTERN AUTO SUPPLY AGENCY OF LOS ANGELES, Los Angeles, Calif. Filed June 11, 1934.

SUPREME

For Radiator Liquid Solder.
Claims use since Mar. 3, 1934.

Ser. No. 358,464. CLAUDE O. WRIGHT, doing business as Crescent Pharmacal Company, Macon, Mo. Filed Nov. 20, 1934.



For Liquid Antiseptic.
Claims use since Dec. 1, 1920.

Ser. No. 366,257. HERB JUICE-PROC COMPANY, Danville, Va. Filed June 5, 1935.



The drawing is lined for red and yellow.
For Laxative Tonic.
Claims use since Jan. 31, 1935.

Ser. No. 367,042. SUBSTANCE S PRODUCTS, INC., San Francisco, Calif. Filed July 6, 1935.



No claim is made to the representation of a label apart from the mark. The drawing is lined for brown, yellow, and gold.
For Cosmetics—Namely, Shampoo and Salve.
Claims use since June 24, 1935.

Ser. No. 369,054. GENERAL DENTAL GOODS CO., doing business as General Dental Goods, Inc., Worcester, Mass. Filed Sept. 6, 1935.



No claim is made to the representation of the container for the goods.
For Preparation for Use as a Mouth Wash or Gargle.
Claims use since Aug. 20, 1935.

Ser. No. 370,003. DR. D. JAYNE & SON, INC., Philadelphia, Pa. Filed Oct. 4, 1935. Under 10-year proviso.



The portrait and signature are those of Dr. D. Jayne, deceased. The words "Philadelphia, Pa., U. S. A." are disclaimed apart from the mark.
For Medicinal Preparation for the Treatment of Liver Complaint, Constipation, Dyspepsia, Stomach Disorders, Headaches, and for All Such Other Analogous, Similar or Related Human Ailments in the Treatment of Which it May Be Necessary or Advisable to Administer Laxatives, Purgatives or Cathartics.
Claims use since 1852.

Ser. No. 370,225. THE OLIVE TABLET COMPANY, Columbus, Ohio. Filed Oct. 10, 1935.

DR. EDWARD'S
TRADE
OLIVE
MARK
TABLETS

The words "Dr. Edward's", "Olive", "Tablets", and "Trade Mark" are disclaimed apart from the mark.
For Olive Colored Tablets for Use as a Laxative.
Claims use since Sept. 26, 1935.

Ser. No. 370,527. ROBERT P. SCHERER, doing business as Gelatin Products Company, Detroit, Mich. Filed Oct. 18, 1935.

RED BAND

The drawing is lined for red.
For Carbon Disulphide in Capsule Form.
Claims use since August, 1935.

Ser. No. 370,539. JAMES H. BERRMAN, doing business as The Stillman Company, Aurora, Ill. Filed Oct. 19, 1935.

ACTONE

For Preparation Having Germicidal and Astringent Properties and Used for Treatment of Skin Diseases, Including Acne.
Claims use since Sept. 10, 1935.

Ser. No. 370,692. Battle Creek Brown, Inc., Battle Creek, Mich. Filed Oct. 22, 1936.

BonKora

For Tonics for Stimulating the Appetite and Promoting Gastric Digestion and Tonic Laxatives.
Claims use since Feb. 1, 1936.

Ser. No. 370,704. Franklin Mineral Products Company, Franklin, N. C. Filed Oct. 26, 1936.

ALSIBRONZ

For Micaceous Powders for Use as Paint Pigments, Paper Fillers, as an Ingredient for Dentifrices, as a Textile Parting Powder to Eliminate Static, as a Parting Material in the Manufacture of Pneumatic Rubber Tires, and Other Uses.
Claims use since September, 1933.

Ser. No. 370,748. American Aniline Products, Inc., New York, N. Y. Filed Oct. 24, 1936.

CELATINT

For Dyestuffs for Acetate Silks and Other Artificial Silks.
Claims use since Oct. 4, 1923.

Ser. No. 370,825. James Charles Daniel Bustard, Rusholme, England. Filed Oct. 26, 1936.

RUMARI

For Medicine for Internal Human Use in the Treatment of Stomachic Complaints.
Claims use since May 12, 1936.

Ser. No. 370,865. The Bayer Company, Inc., New York, N. Y. Filed Oct. 28, 1936.

CALIRAD

For Product for Improving the General Nutrition.
Claims use since Sept. 27, 1936.

Ser. No. 370,910. Winthrop Chemical Company, Inc., New York, N. Y. Filed Oct. 28, 1936.

Drisdol

For Vitamin D Preparation.
Claims use since Oct. 15, 1936.

Ser. No. 370,941. Eric Coupey, New York, N. Y. Filed Oct. 29, 1936.

NAWAH

For Natural and Synthetic Essential Oils Suitable for Perfuming Purposes.
Claims use since March, 1927.

Ser. No. 371,040. Bilabs Gesellschaft mit beschraenkter Haftung, Chemnitz, Germany. Filed Nov. 1, 1936.

Orlon

For Chemical Dye Assistant, Softening Preparation, Thread and Fibre Penetrating Preparation, Smoothing Preparation, and Finishing Preparation for Use in the Treatment of Textile Fabrics and Leather in the Course of Their Manufacture.
Claims use since May 26, 1936.

Ser. No. 371,050. Bilabs Gesellschaft mit beschraenkter Haftung, Chemnitz, Germany. Filed Nov. 1, 1936.

Autowa

For Chemical Dye Assistant, Softening Preparation, Thread and Fibre Penetrating Preparation, Smoothing Preparation, and Finishing Preparation for Use in the Treatment of Textile Fabrics and Leather in the Course of Their Manufacture.
Claims use since May 22, 1936.

Ser. No. 371,060. Io-Dow Chemical Company, Inc., Long Beach, Calif. Filed Nov. 1, 1936.

Io-Dow

For Iodine, Potassium Iodide, and Other Iodine Containing Compounds.
Claims use since October, 1934.

Ser. No. 371,102. Milton S. Jorgensen, doing business as Jorgensen & Company, Los Angeles, Calif. Filed Nov. 2, 1936.

BLACK J

For Insecticides and Fungicides.
Claims use since Apr. 15, 1932.

Ser. No. 371,126. Vieux-Chalet, Inc., doing business as Prince de Chalet, Inc., Culver City, Calif. Filed Nov. 4, 1936.

LOST ORCHID

No claim is made to the word "Orchid" apart from the mark.
For Perfumes.
Claims use since Oct. 7, 1936.

Ser. No. 371,134. The William A. Webster Co., Memphis, Tenn. Filed Nov. 3, 1936.

HOUSE OF LORD'S

For Dental Cream, After Shaving Lotion, Shampoo, Tooth Powder, Talcum Powder, Toilet Water, Cold Cream, Vanishing Cream, and Perfume.
Claims use since Sept. 3, 1936.

Ser. No. 371,208. Jarice Products Association, Inc., New York, N. Y. Filed Nov. 4, 1936.

Jarice

For Antiseptic, Astringent Cream, Bleach Cream, Beauty Cream, Cold Cream, Cleansing Cream, Clarifying Cream, Refreshing Cream, Vanishing Cream, Clarifying Astringent, Dry Rouge, Liquid Rouge, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Cream, Astringent Pencils, Chemical Preparations for the Restoration of Natural and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Dusting Powders, Sachets, Hair Salves, Hair Mixtures, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Hair Dressings, Brilliantines, Bath Salts, Smelling Salts, Lip Salves, Dentrifices, Tooth Powders, Mouth Washes, Deodorants, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Enamels, White Enamel Salve, Camphor Creams, Foot Powders, Corn Salves, Plasters, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Oct. 19, 1936.

Ser. No. 371,218. Alpheus E. Jones, Wheeling, W. Va. Filed Nov. 5, 1936.

NATURZELP

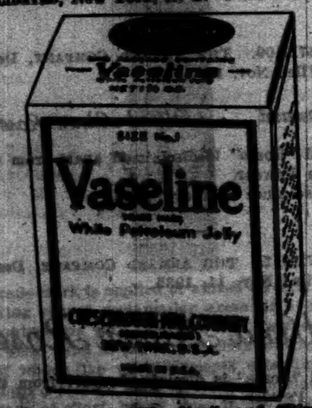
For Compound Indicated as an Aid in the Treatment of Constipation, Sluggish Kidneys, Sluggish Liver, and Acidosis, and a General Tonic for the Human Constitution.
Claims use since Apr. 1, 1936.

Ser. No. 371,301. Consolidated Manufacturing Company, Consolidated, New York, N. Y. Filed Nov. 5, 1936.



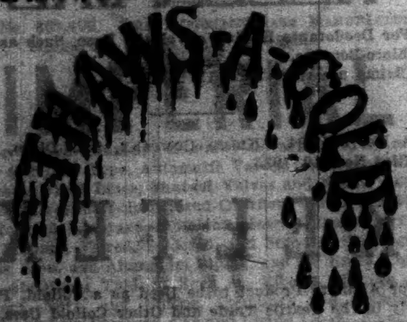
Excepting the words "Vaseline", "Blue Seal", and applicant's name, all wording is disclaimed apart from the mark. No claim is made to the representation of a cap. In actual use the lettering and border design appear in white upon a background of blue.
For Petroleum Jelly.
Claims use since Oct 10, 1935.

Ser. No. 371,252. Consolidated Manufacturing Company, Consolidated, New York, N. Y. Filed Nov. 2, 1936.



All wording except "Vaseline", and "Blue Seal", and applicant's name is disclaimed apart from the mark. No claim is made to the representation of a carton. In actual use the printing upon the carton is in blue.
For Petroleum Jelly.
Claims use since Oct 10, 1935.

Ser. No. 371,255. Alcubo Company, Schenectady, N. Y. Filed Nov. 7, 1936.



For Insulant.
Claims use since Oct. 26, 1936.

Ser. No. 371,311. ROSEMARY LEE GROFF, Reidsville, N. C. Filed Nov. 7, 1935.

GROFF'S

LIN-LIME

The word "Lime" is disclaimed apart from the mark.
For Salve for External Application in Treating Burns, Cuts, Sores, and Surface Skin Irritations.
Claims use since Mar. 12, 1935.

Ser. No. 371,347. FRANCIS U. KAHLE, doing business as Ru-Mari Laboratories, New York, N. Y. Filed Nov. 8, 1935.

RU-MARI

For Medicinal Preparation for Treatment of Rheumatism.
Claims use since Aug. 27, 1935.

Ser. No. 371,400. THE ARMAND COMPANY, Des Moines, Iowa. Filed Nov. 11, 1935.

Armand *Wind Blown Roses*

The word "Roses" is disclaimed apart from the mark.
For Face Powder.
Claims use since February, 1935.

Ser. No. 371,411. THE ARMAND COMPANY, Des Moines, Iowa. Filed Nov. 11, 1935.

Wind Blown Roses

The word "Roses" is disclaimed apart from the mark.
For Face Powder.
Claims use since February, 1935.

Ser. No. 371,592. CHAS. D. FARMER, doing business as Kleenaire Kemikils, Detroit, Mich. Filed Nov. 15, 1935.

KLEENAIRE

For Deodorants Having a Volatile Base, Such as Paradichloro-Benzene.
Claims use since Nov. 11, 1931.

Ser. No. 371,694. KELCO COMPANY, San Diego, Calif. Filed Nov. 18, 1935.

KELTEX

For Alginate Product to be Used as a Colloid, Particularly in the Textile Trade and Other Colloid Uses, such as in Printing Pastes and in Boiler Compounds.
Claims use since Oct. 4, 1935.

Ser. No. 371,903. LAWRENCE, TRUMBOWER, New York, N. Y. Filed Nov. 18, 1935.

DYKIL

For Perfumes.
Claims use since Nov. 1, 1935.

Ser. No. 371,724. EUGE BALDWIN, Brunswick, Ga. Filed Nov. 19, 1935.

CARBODINE

For Antiseptic, Analgesic, Germicidal, Non-irritating Salve, Ointment, and Liquid Solutions, for External Use in the Treatment of Skin Diseases, Abrasions, Inflammations, Sunburns, Burns, Insect Bites, Sprains, Boils, Earache, Chapped Hands and Lips, Piles, Pimples and Pneumonia, Cold in Head and Catarrh, Sore Throat, Hemorrhoids and Allied Rectal Conditions, and for Use as a Dressing in Proctological Work.
Claims use since May 25, 1932.

Ser. No. 371,744. THE THEBOM COMPANY, INC., New York, N. Y. Filed Nov. 19, 1935.

Nailtone

For Nail Polish, Nourishing Cream, and Massage Cream.
Claims use since Dec. 14, 1934.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 367,121. [illegible] ARMS & CYCLE WORKS, Fitchburg, Mass. Filed July 10, 1935.



"Hammer No Hammer"

No claim is made to the representation of a revolver apart from the mark.
For Rifles, Shotguns, Pistols, and Revolvers.
Claims use since June 2, 1899.

CLASS 12

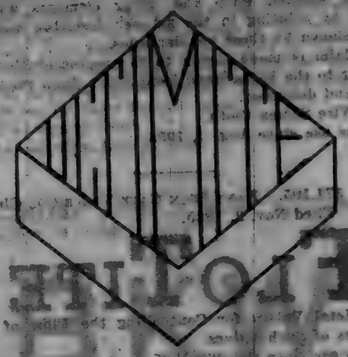
Construction Materials

Ser. No. 369,449. KOOPERATIVA FÖRBUNDET FÖRENING u. p. a., Stockholm, Sweden. Filed Sept. 28, 1935.

ISOFLEX

For Thermal Insulating Material.
Claims use since Jan. 5, 1935.

Ser. No. 370,825. UNITED PAVING BLOCK CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 28, 1935.



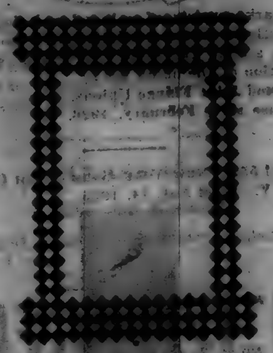
For Paving Blocks.
Claims use since Feb. 1, 1925.

Ser. No. 371,026. GLOBE ROOFING PRODUCTS CO. INC., Chicago, Ill. Filed Oct. 31, 1935.

BEACON

For Asphalt Composition Roofing and Building Papers.
Claims use since April, 1934.

Ser. No. 371,251. GRAND RAPIDS FURNITURE COMPANY, Grand Rapids, Mich. Filed Nov. 4, 1935.



For Plaster and Lime.
Claims use since Sept. 9, 1935.

Ser. No. 371,472. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Nov. 12, 1935.

ROKFLOS

For Insulation Used as a Construction Material for Heat and Sound Insulation in Houses and Other Buildings and Constructions.
Claims use since December, 1931.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 363,868. EDWIN C. KNOWLES, doing business as Seal-All Clip Company, Flint, Mich. Filed Apr. 10, 1935.

SEAL-ALL CLIPS

The word "Clips" and the illustration of clips are disclaimed apart from the mark.
For Shingle Clips.
Claims use since Feb. 15, 1904.

Ser. No. 366,881. NEW YORK WIRE CLOTH COMPANY, New York, N. Y. Filed June 29, 1935.



The trade-mark is applied or affixed directly to the goods by printing spaced rectangular areas of a color, namely white, contrasting with the color of the screen cloth, upon a background band in the screen cloth which consists of a group of ribbon-like warp elements extending along and adjacent to a selvage edge of the screen cloth. The several groups of short, heavy lines in the drawing indicate selected warp and filling elements which are colored by printing in the manner described and to the extent shown by these heavier lines.
No claim is made herein to the representation of the goods or to the background band apart from the mark as shown and described.
For Wire Screen Cloth.
Claims use since Mar. 15, 1926.

Ser. No. 369,406. THE IMPERIAL BRASS MANUFACTURING CO., Chicago, Ill. Filed Sept. 17, 1935.

IMPERIAL

For Valves—Namely, Manually Operated Valves of the Plug and Disc Type, Automatic Valves for Control in All Types of Fluid Lines, Shut-off Valves and Needle Valves; Flush Valves, Self-closing and Overflow Valves for Water, Waste, and Sewerage Plumbing, Soap Dispensers, Tanks and Fittings, Flared, Soldered, and Standard Fittings for Brass, Iron, and Aluminum Piping, and for Brass, Copper, and Aluminum Tubing; Such as, Elbows, Nipples, Connectors, Nuts, and Unions, Couplings and Clamps for High and Low Pressure, Gas and Liquid Lines; Float Controls; Filters, Strainers, and Dehydrators for Steam, Gas,

Refrigeration, and Liquid Lines; Door Handles, Clamps for Piping, Brackets, Push Plates, Guard Bars, Railings, Name Plates, Metal Numerals and Letters, Nuts and Bolts, Door Stops and Holders; Hose Connections and Couplings, Nozzle Tips, and Gasoline Strainers.

Claims use since Jan. 26, 1935.

Ser. No. 370,182. NEW YORK WIRE CLOTH COMPANY, New York, N. Y. Filed Oct. 9, 1935.



The trade-mark is applied or affixed directly to the goods by printing spaced rhomb-shaped areas of a color—namely, blue, contrasting with the color of the screen cloth, upon a background band in the screen cloth which consists of a group of ribbon-like warp elements extending along and adjacent to a selvage edge of the screen cloth. The several groups of short, heavy lines in the drawing indicate selected warp and filling elements which are colored by printing in the manner described and to the extent shown by these heavier lines.

No claim is made herein to the representation of the goods or to the background band apart from the mark as shown and described.

For Wire Screen Cloth.

Claims use since Aug. 1, 1933.

Ser. No. 370,193. NEW YORK WIRE CLOTH COMPANY, New York, N. Y. Filed Oct. 9, 1935.



The trade-mark is applied or affixed directly to the goods by printing spaced rhomb-shaped areas of a color—namely, yellow, contrasting with the color of the screen cloth, upon a background band in the screen cloth which consists of a group of ribbon-like warp elements extending along and adjacent to a selvage edge of the screen cloth. The several groups of short, heavy lines in the drawing indicate selected warp and filling elements which are colored by printing in the manner described and to the extent shown by these heavier lines.

No claim is made herein to the representation of the goods or to the background band apart from the mark as shown and described.

For Wire Screen Cloth.

Claims use since Aug. 1, 1933.

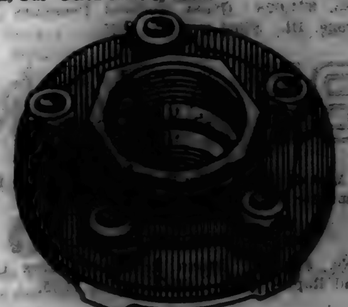
Ser. No. 371,105. KEMP LEAK GATE VALVE CO., Cleveland, Ohio. Filed Nov. 2, 1935.

FLOTITE

For Metal Valves for Controlling the Flow of Fluids and Parts of Such Valves.

Claims use since Oct. 28, 1935.

Ser. No. 371,206. STANLEY G. FLAGG & CO., INC., Philadelphia, Pa. Filed Nov. 5, 1935.



Trade-mark consists of a broad and circular band applied directly to a design of the cloth so as to extend completely around the same. No claim is made to the representation of the globe per se.

For Ground Joint Plunge Unions.

Claims use since February, 1933.

Ser. No. 371,552. NEW YORK WIRE CLOTH COMPANY, New York, N. Y. Filed Nov. 14, 1935.



No claim is made herein to the representation of goods or to the background band apart from the mark as shown and described. The trademark is applied or affixed directly to the goods by printing spaced rhomb-shaped areas

of a color contrasting with the color of the screen cloth, directly upon a background band in the screen cloth which consists of a group of ribbon-like warp elements extending along and adjacent to a selvage edge of the screen cloth. The several groups of short, heavy lines in the drawing indicate selected warp and filling elements which are colored by printing in the manner described and to the extent shown by these heavier lines.

For Wire Screen Cloth.

Claims use since Aug. 1, 1933.

Ser. No. 371,836. ROBERT H. WAGER, New York, N. Y. Filed Nov. 21, 1935.

B.K.W.

For Inverted Valve Check Valves.

Claims use since March, 1935.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 371,092. FEDERATED METALS CORPORATION, New York, N. Y. Filed Nov. 2, 1935.

FMC

For Nonferrous Metals, Metal Alloys, and Metal Products—Namely, of Aluminum, Antimony, Arsenic, Copper, Lead, Tin, and Zinc, in Bars, Forgings, Ingots, Pigs, Rods, Slabs, Wires, and Castings in the Rough.

Claims use since July 1, 1924.

CLASS 15

Oils and Greases

Ser. No. 368,963. SUN OIL COMPANY, Philadelphia, Pa. Filed Sept. 3, 1935.

TRANSEP

For Lubricating Oils and Lubricating Greases.

Claims use since Aug. 27, 1935.

Ser. No. 370,007. MERCRAF OIL REFINERIES, INC., Detroit, Mich. Filed Oct. 5, 1935.

mercraf

For Lubricating Oils and Greases.

Claims use since Dec. 5, 1934.

462 O. G.—2

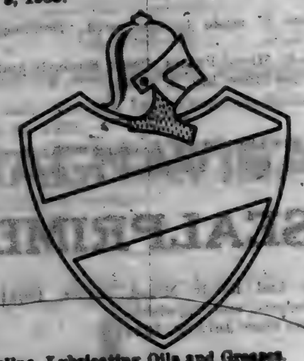
Ser. No. 370,008. MERCRAF OIL REFINERIES, INC., Detroit, Mich. Filed Oct. 5, 1935.



For Lubricating Oils and Greases.

Claims use since Dec. 13, 1934.

Ser. No. 370,190. FARO OIL COMPANY, Milwaukee, Wis. Filed Oct. 9, 1935.



For Gasoline, Lubricating Oils and Greases.

Claims use since Apr. 1, 1933.

Ser. No. 371,567. WARREN QUINLAN COMPANY, New York, N. Y. Filed Nov. 14, 1935.

DEESLUBE

For Lubricating Oil and Lubricating Oil Compound Particularly Suited and Adapted to Diesel Engines.

Claims use since Oct. 22, 1935.

CLASS 16

Paints and Painters' Materials

Ser. No. 350,220. S. C. JOHNSON & SON, Racine, Wis., assignor to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin. Filed Mar. 21, 1932.

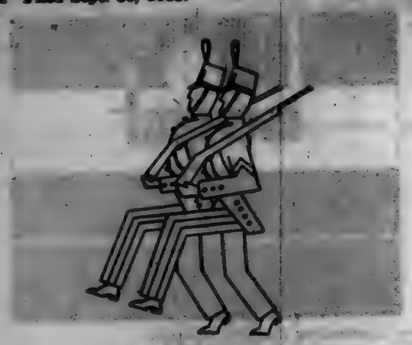


The drawing is lined for yellow.

For Wax for Coating and Polishing Wood, Metal, and Other Surfaces.

Claims use since Jan. 21, 1931.

Ser. No. 369,849. Jewel Paint and Varnish Co., Chicago, Ill. Filed Sept. 30, 1935.



DOUBLEQUICK

No claim is made to the word "Doublequick" apart from the mark.
For Ready Mixed Paints, Paint Enamels and Varnishes.
Claims use since Jan. 2, 1935.

Ser. No. 372,112. The Patterson-Sargent Company, Cleveland, Ohio. Filed Nov. 19, 1935.

SEALPRIME

For Dry and Ready Mixed Paints, Paint Enamels, Stains, Lacquers, and Varnishes.
Claims use since July 26, 1934.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 372,044. Cincinnati Mills Incorporated, Cincinnati, Ohio. Filed Nov. 27, 1935.

COMPOCORK

For Felt-Base Floor Covering With a Coating of Linoleum Composition Containing Cork.
Claims use since September, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 360,724. The Murray-Ohio Manufacturing Co., Cleveland, Ohio. Filed Dec. 28, 1934.

AIR STREAM

For Children's Vehicles—Namely, Wagons, Velocipedes, Bicycles, Scooters and Toy Automobiles.
Claims use since Dec. 28, 1934.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 366,858. The Upson-Walton Company, Cleveland, Ohio. Filed June 6, 1935.



For Tackle Blocks.
Claims use since Apr. 1, 1935.

Ser. No. 367,806. James Neill & Co. (Sheffield) Limited, Sheffield, England. Filed July 31, 1935.

ECLIPSE

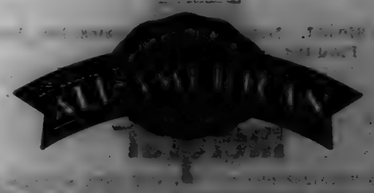
For Hack-Saw Blades, Rasp Blades, Magnetic Chucks, Chisels, Scrapers, Vises, Saw Sets, Files, and Shears.
Claims use since Jan. 23, 1933.

Ser. No. 369,042. Joseph A. Martocello, doing business as Jos. A. Martocello, & Co., Philadelphia, Pa. Filed Sept. 7, 1935.

SERV-ALL TONG

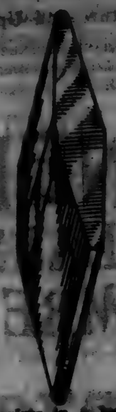
The word "Tong" is disclaimed apart from the mark.
For Ice Cube Tongs for Handling Ice Cubes for Table Use.
Claims use since June 18, 1929.

Ser. No. 369,737. John H. Graham & Co., Inc., New York, N. Y. Filed Sept. 26, 1935.



The drawing is lined for red and blue.
For Tool Benches.
Claims use since May 15, 1935.

Ser. No. 371,052. The Keystone Company, Chelsea, Okla. Filed Nov. 1, 1935.



The trademark consists in a longitudinal band along the meeting of the side planes of the tool. The representation of the tool forms no part of the mark.
For Replaceable Cutting Tools Adapted to be Utilized in Combination With Mining Machine Chain Link.
Claims use since Sept. 1, 1935.

Ser. No. 371,077. Primus Manufacturing Company, Newark, N. J. Filed Nov. 1, 1935.

Fomaire

The representation of the goods is disclaimed apart from the mark.
For Portable Hand Fire Extinguishing Apparatus.
Claims use since Aug. 8, 1935.

Ser. No. 371,126. Autoclench Company, Inc., New York, N. Y. Filed Nov. 4, 1935.

AUTOCLENCH

For Stapling Machines for Carton Sealing, Stitching, Tagging, and Tacking Purposes.
Claims use since Nov. 11, 1935.

Ser. No. 371,052. Gilbarco & Rankin Manufacturing Company, West Springfield, Mass. Filed Nov. 15, 1935.

Gilbarco

For Air Compressors.
Claims use since Oct. 22, 1935.

Ser. No. 371,053. The Hays-Hickle-Power Corporation, Bristol, Conn. Filed Nov. 15, 1935.



For Wrenches.
Claims use since June 14, 1934.

Ser. No. 371,795. H. A. Thurow & Company, Peru, Ind. Filed Nov. 20, 1935.

THRUSH

For Water Circulators.
Claims use since Jan. 1, 1928.

Ser. No. 371,809. The Foerderer Manufacturing Co., Bridgeport, Conn. Filed Nov. 20, 1935.

MO-HY

For Saw Blades.
Claims use since Feb. 1, 1935.

CLASS 26

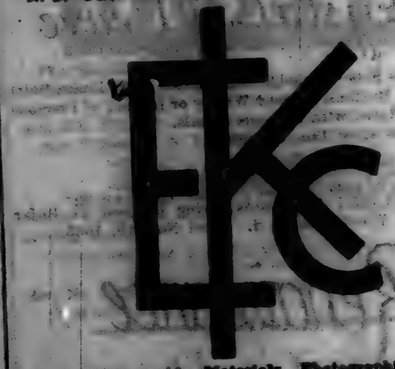
Measuring and Scientific Appliances

Ser. No. 367,239. Spencer Lens Company, Buffalo, N. Y. Filed July 20, 1935.

MAGNAVISA

For X-Ray Film Projectors.
Claims use since Jan. 10, 1936.

Ser. No. 371,624. Eastman Kodak Company, Rochester, N. Y. Filed Nov. 16, 1935.



For Photographic Materials, Photographic Finishing Apparatus and Photographic Darkroom Apparatus, Including the Following: Cameras; Carrying Cases for Cameras; Sensitive Photographic Film; Film Holding Containers; Film Splicing Outfits, Including Film Splicer and Film Cement; Color Film Assembly, Including a Lens, Lens Mount, and Filter; Film Developing Hangers; Film Holding Clips; Film Developing Outfits, Including Tanks and Film Hangers to Fit Into Tanks; Darkroom Lamps; Measuring Graduates; Film Cleaning Outfits, Including Cleaning Fluid and Cleaning Pads; Scales; Print Trimmers; Motion Picture Projectors; Developed Films Bearing Images; Exposure Guides.
Claims use since 1900 on cameras; since 1910 on carrying cases for cameras; since 1913 on sensitive photographic film; since 1927 on film holding containers; since 1929 on film splicing outfits including splicer and film cement; since 1930 on color film assemblies including lenses, lens mounts, and filters; since 1916 on film developing hangers; since 1930 on film holding clips; since

1930 on film developing outfits including tanks and film hangers to fit into the tanks; since 1909 on darkroom lamps; since 1928 on measuring graduates; since 1930 on film cleaning outfits including cleaning fluid and cleaning pads; since 1915 on scales; since 1910 on print trimmers; since 1926 on motion picture projectors; since 1927 on developed films bearing images; and since 1922 on exposure guides.

Ser. No. 371,625. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Nov. 16, 1935.

MICRODAK

For Camera Attachments for Microscopes.
Claims use since July 12, 1935.

Ser. No. 371,650. GILBERT & BARKER MANUFACTURING COMPANY, West Springfield, Mass. Filed Nov. 18, 1935.

Gilbarco

For Electrical Device for Testing Lubricating Oils.
Claims use since Mar. 18, 1935.

CLASS 24

Jewelry and Precious-Metal Ware

Ser. No. 371,436. KENNETH & Co., Newark, N. J. Filed Nov. 11, 1935.

Crystal Weave

For Dress Sets—Namely, Cuff Buttons, Cuff Links, Shirt Studs, Vest Buttons, Pierced Wholly or in Part of Precious Metals or Plated with Precious Metals.
Claims use since June 18, 1935.

Ser. No. 371,720. LEO BOJAR, doing business as Bojar Company, Providence, R. I. Filed Nov. 19, 1935.

Renaissance

For Jewelry for Personal Wear or Adornment, Particularly Bracelets, Not Including Watches.
Claims use since Jan. 6, 1935.

CLASS 31

Filters and Refrigerators

Ser. No. 370,738. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 23, 1935.

COLDSPOT

For Automatic Kerosene and Gas Refrigerators for the Preservation of Foodstuffs.
Claims use since Oct. 2, 1935.

CLASS 32

Furniture and Upholstery

Ser. No. 371,677. ISAAC CORNELIUS, doing business as General Glass & Lumber Company, Cleveland, Ohio. Filed Nov. 18, 1935.

GENERAL GLASS & LUMBER Co

For Mirrors.
Claims use since March, 1919.

CLASS 33

Glassware

Ser. No. 359,290. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Dec. 17, 1934.



The words "Glass Art" and the representation of the goods are disclaimed apart from the mark.
For Bottles, Decanter Sets, and Liquor Sets Comprising Liquor Decanters, Bottles, and Drinking Glasses.
Claims use since Nov. 30, 1934.

Ser. No. 366,625. THE HALL GLASS COMPANY, New York, N. Y. Filed Sept. 18, 1935.



For Tubes and Tubing, Bottles, and Jars, Including Covers and Stoppers for the Same, Stoppocks, and Dishes, All Being Closely Made of Glass.
Claims use since Apr. 10, 1918.

CLASS 35

Belting, Hose, Machinery Packing, and Non-Metallic Tires

Ser. No. 370,211. THE ENGLISH PACKING & RUBBER CO., LIMITED, London, England. Filed Oct. 10, 1935.

PIVOT

For Engine and Machine Packings and Jointings Made of Asbestos and/or Canvas with Rubber and/or Metal Used for Preventing the Escape of Steam or Other Fluid or Vapor Between the Working Parts and for Inserting Between Stationary Joints.
Claims use since 1930.

Ser. No. 371,261. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Nov. 4, 1935.

Supreme

For Tire-Repair Gum Materials in Sheet Form—Namely, Camel-Back-Tread Gum or Rubber Stock for Use in Tire Repairing.
Claims use since May 24, 1920.

Ser. No. 371,702. PAINT LOUIS ENGLERT, doing business as Rhodes Packing Company, Chatham, N. J. Filed Nov. 13, 1935.

STOPAX

For Sealing Box Packing of a Semi-Metallic Nature.
Claims use since Nov. 5, 1935.

CLASS 37

Paper and Stationery

Ser. No. 367,483. HOWARD PAPER & PRINT COMPANY, Green Bay, Wis. Filed July 13, 1935.

Puff

For Toilet Paper, Paper Towels, and Paper Napkins.
Claims use since Mar. 11, 1934.

Ser. No. 369,220. ROSSER CORPORATION, Brooklyn, N. Y. Filed [illegible]

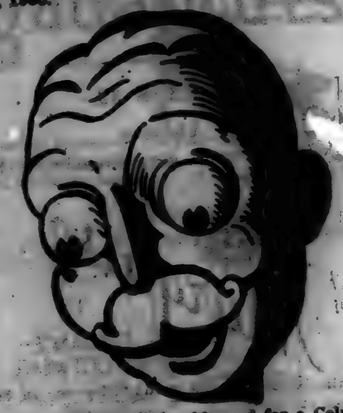
MOTHEX

For Tar Paper for Wrapping and Storage Purposes.
Claims use since Nov. 5, 1931.

CLASS 38

Prints and Publications

Ser. No. 368,[illegible]. [illegible], Inc., Chicago, Ill. Filed Aug. 19, 1935.



For Publication Issued Monthly and for a Column in a Newspaper Issued Weekly.
Claims use since Dec. 24, 1932.

Ser. No. 369,569. ROMAN MFG. CO. INC., Emaus, Pa. Filed Sept. 30, 1935.

FACT DIGEST

For Magazine.
Claims use since [illegible]

Ser. No. 370,667. AMERICAN INSTITUTE OF PUBLIC OPINION, Princeton, N. J. Filed Oct. 5, 1935.

American Speaks
THE NATIONAL WEEKLY POLL OF PUBLIC OPINION

For Newspaper Editorial Features Published in a Continuing Series.
Claims use since Aug. 22, 1935.

Ser. No. 370,671. PUBLIC LEDGER, Inc., Philadelphia, Pa. Filed Oct. 22, 1935.

Check Your Knowledge

For Newspaper Syndicated Feature Column.
Claims use since May 15, 1933.

Ser. No. 370,672. PUBLIC LEDGER, Inc., Philadelphia, Pa. Filed Oct. 22, 1935.

WHAT TO DO-

For Newspaper Syndicated Feature Column.
Claims use since Oct. 1, 1935.

Ser. No. 370,925. Lancaster Newspapers, Inc., Lancaster, Pa. Filed Oct. 26, 1935.

The Lancaster Inquirer

For Newspaper.
Claims use since 1794.

CLASS 39

Clothing

Ser. No. 365,694. Wohl Shoe Company, St. Louis, Mo. Filed July 3, 1934.

Marquise
-ELEGANCE-
IN FOOTWEAR

No claim is made to the words "Elegance In Footwear" apart from the mark.
For Shoes—Particularly Ladies' and Misses' Shoes Made of Leather or Fabric or Combinations of the Same.
Claims use since June 25, 1934.

Ser. No. 354,005. Freeman Shoe Corporation, Beloit, Wis. Filed Aug. 2, 1933.

Freeman
"FREE-FLEX"

For Boots and Shoes of Leather, Fabric, or Combinations Thereof.
Claims use since July 15, 1934.

Ser. No. 362,419. Hahlo & Solomon Inc., New York, N. Y. Filed Mar. 12, 1935.

FINESSE

The word "Finesse" is disclaimed apart from the mark.
For Men's and Women's Clothing—Namely, Men's Suits, Including Coats, Vests, and Trousers, Overcoats, and Top Coats, and Women's Suits and Coats.
Claims use since Feb. 26, 1935.

Ser. No. 366,060. O'Sullivan Rubber Company, St. Paul, Minn. Filed Apr. 17, 1935.

The Superior Kind of Rubber Heels

The words "Superior" and "Kind" are disclaimed apart from the mark.
For Shoes Made of Leather.
Claims use since Feb. 1, 1933.

Ser. No. 368,081. Hamilton, Brown Shoe Company, St. Louis, Mo. Filed May 13, 1935.

Modes du Présent
HB
STYLED BY ARTISTS
DESIGNED BY EXPERTS
PROMISED BY ALL

The expressions "Modes du Present", "Styled by Artists", "Designed by Experts", "Promised by All", "Quality", and "St. Louis, Mo." are disclaimed.
For Men's Leather and Fabric Shoes.
Claims use since Apr. 17, 1935.

Ser. No. 367,302. The Juvenile Manufacturing Company, Inc., San Antonio, Tex. Filed July 16, 1935.

BABYETTE

For Infants' Dresses and Boys' Suits.
Claims use since October, 1934.

Ser. No. 368,092. Cosmos, Inc., Kenosha, Wis. Filed Aug. 26, 1935.

Y-FRONT

For Men's Underwear—Namely, Shirts and Shorts.
Claims use since Aug. 10, 1935.

Ser. No. 368,486. Gotham Hosiery Knitting Mills, Inc., Bethlehem, Pa. Filed Sept. 17, 1935.

Trade-mark consists of a substantially triangular area extending rearwardly from the point of the toe of the stocking colored in orange of a golden or yellowish shot. The representation of a stocking is disclaimed.
For Hosiery.
Claims use since Jan. 30, 1935.

Ser. No. 369,418. Quality Glove Corporation, New York, N. Y. Filed Sept. 17, 1935.

'Knit-Bar'

The word "Knit" is disclaimed apart from the mark.
For Gloves Made of Fabric.
Claims use since Aug. 20, 1935.

Ser. No. 370,290. Henry M. Peyser Company, New York, N. Y. Filed Oct. 9, 1935.

BEL-O-TEX

For Gloves of Knitted and Woven Materials.
Claims use since Sept. 1, 1935.

Ser. No. 370,822. Holland-Hudson Co. Inc., New York, N. Y. Filed Oct. 18, 1935.

TWIN-SIZE

The word "Size" is disclaimed apart from the mark.
For Pajamas, Pajama-Sweaters in the Nature of Undershirts, Chemises, Nightgowns, Kimonos, Bandeau or Underwaists, Combinations, Step-Ins, Panties, Brassieres, Bloomers and Night Gowns, Made of Knitted Fabrics, or Woven or Knit Fabrics of Cotton, Linen, Silk, Artificial Silk and Textile Fabrics of Cotton, Linen, Silk, Artificial Silk and All Mixtures or Combinations of Said Materials.
Claims use since Sept. 20, 1934.

Ser. No. 370,407. David S. Gross, Brooklyn, N. Y. Filed Oct. 17, 1935.

gadabouts

For Ladies' Shoes and Slippers Made of Leather, Fabric and/or Combinations Thereof.
Claims use since November, 1934.

Ser. No. 370,836. H. C. Aberle Co., Philadelphia, Pa. Filed Oct. 26, 1935.

ABERLE

No claim is made to the surname "Aberle" apart from the mark. The picture is fanciful.
For Hosiery.
Claims use since February, 1934.

Ser. No. 371,106. Interwoven Stocking Company, New Brunswick, N. J. Filed Nov. 2, 1935.

N11 MAGIC TOP

The word "Top" is disclaimed apart from the mark.
For Hosiery.
Claims use since Oct. 25, 1935.

871,136. Hat Corporation of America, Norwalk, Conn. Filed Nov. 4, 1935.

Bergster

For Hats for Men.
Claims use since 1920.

Ser. No. 371,173. O'Connor & Goldberg, Chicago, Ill. Filed Nov. 4, 1935.

O.G. BROADSTEP

For Women's Shoes Made of Fabric and Leather and Combinations of Fabric and Leather.
Claims use since Oct. 15, 1935.

Ser. No. 371,174. O'Connor & Goldberg, Chicago, Ill. Filed Nov. 4, 1935.

O-G VAGA-BAND

The word "Band" is disclaimed except as shown.
For Women's Shoes Made of Fabric and Leather and Combinations of Fabric and Leather.
Claims use since Oct. 15, 1935.

Ser. No. 371,181. I. Schneiderson & Sons, Inc., New York, N. Y. Filed Nov. 4, 1935.

NU-VEE

For Ladies' Chemises, Princess Slips, Bloomers, Step-ins, and Nightgowns of a Textile Fabric.
Claims use since June 11, 1935.

Ser. No. 371,209. Mangel Stores Corporation, New York, N. Y. Filed Nov. 6, 1935.

Queen Lee

For Ladies' Garments—Namely, Dresses.
Claims use since Sept. 11, 1935.

Ser. No. 371,437. F. G. Montarbet Co., Inc., New York, N. Y. Filed Nov. 11, 1935.

SNUGGEE

For Linings and Sweat Bands for Hats.
Claims use since Nov. 4, 1935.

Ser. No. 371,651. Rosenau Bros., Inc., Philadelphia, Pa. Filed Nov. 16, 1935.

Littlest Rebel

For Children's Dresses, Rompers, and Playsuits.
Claims use since Nov. 5, 1935.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 367,940. Scovill Manufacturing Company, Waterbury, Conn. Filed Aug. 2, 1935.

PRESLOK

The expression "Preslok" is disclaimed except as shown.
For Garment Buttons.
Claims use since June 26, 1935.

Ser. No. 367,942. Scovill Manufacturing Company, Waterbury, Conn. Filed Aug. 2, 1935.

KNITSNAP

The expression "Knitsnap" is disclaimed except as shown.
For Garment Buttons.
Claims use since July 19, 1935.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 370,789. Bellman Broom Bleachery Co., Fairview, N. J. Filed Oct. 25, 1935.

Bellmanized

For Cotton, Silk, Rayon, and Linen Goods in the Piece.
Claims use since Oct. 22, 1935.

Ser. No. 370,792. Schmitt Bleachery & Co. Inc., New York, N. Y. Filed Oct. 25, 1935.

Doepac

For Pile Fabrics in the Piece.
Claims use since Dec. 10, 1932.

Ser. No. 370,826. The Erwin Cotton Mills Co., West Durham, N. C. Filed Oct. 26, 1935.

COOLEEMEE

The name "Cooleemee" is disclaimed apart from the mark.
For Sheetings.
Claims use since November, 1935.

Ser. No. 370,835. Sears, Roebuck and Co., Chicago, Ill. Filed Oct. 28, 1935.

Lady Anne

For Hair Nets.
Claims use since Aug. 6, 1935.

Ser. No. 371,003. Leewood Fabrics, Inc., New York, N. Y. Filed Nov. 1, 1935.

LEEWOOD

For Pile Fabrics in the Piece.
Claims use since Sept. 4, 1935.

Ser. No. 371,006. Kenosha Worsted Hat Goods Corporation, New York, N. Y. Filed Nov. 6, 1935.

Dress-Well

For Woolen and Silk Piece Goods.
Claims use since Oct. 17, 1935.

Ser. No. 371,007. American Woolen Company, New York, N. Y. Filed Nov. 11, 1935.

BEAVERBROOK

For Blankets Composed Wholly or in Part of Wool.
Claims use since Nov. 9, 1931.

CLASS 43

Thread and Yarn

Ser. No. 370,737. American Silk Spinning Co., Providence, R. I. Filed Oct. 25, 1935.

SPIRAL SPUN

The words "Spiral Spun" are disclaimed apart from the mark.
For Silk Yarns.
Claims use since Nov. 20, 1917.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 371,065. Hamilton C. Bates, doing business as C. J. Bates & Son, Chester, Conn. Filed Nov. 18, 1935.

Barbara Bates

Trade mark is a facsimile signature of a person of that name.
For Manicure Articles—Namely, Nail Brushes, Nail Buffers, Nail Files, Nail Clippers, Cuticle Knives, Scissors, Manicure Sticks, Tweezers, Emery Boards, Pumice Boards, and Nail Polishers.
Claims use since Nov. 8, 1934.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 352,806. Farm Products Sales Co., Inc., Hayward, Calif., assignor to Cunha Bros. Co., Hayward, Calif., a corporation of California. Filed June 20, 1934.

GARDEN OF EDEN

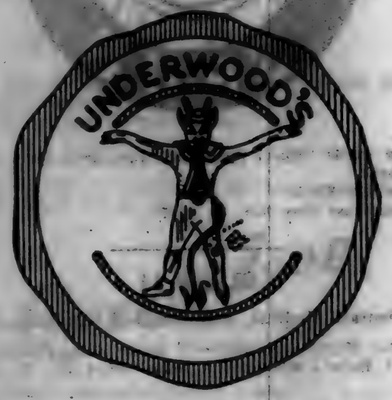
For Fresh Vegetables, Fresh Citrus Fruits, Fresh Deciduous Fruits.
Claims use since September, 1933.

Ser. No. 364,864. SWING-VEE ALLEGAN DAIRY COMPANY, Louisville, Ky. Filed Aug. 14, 1934.

EVA

For Evaporated Milk.
Claims use since May 1, 1934.

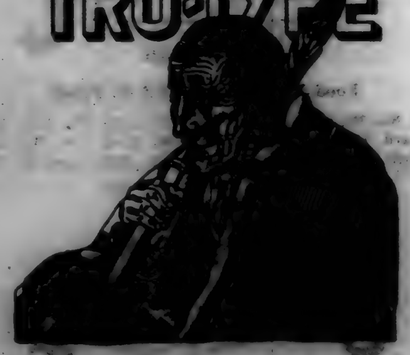
Ser. No. 368,463. WILLIAM UNDERWOOD COMPANY, Watertown, Mass. Filed Nov. 20, 1934.



For Canned Food Products—Namely, Soups, Codfish Cake Material, Ham Hash, and Canned Fish, Shellfish, and Shellfish Products—Namely, Sardines, Clams, Clam Bouillon, and Clam Chowder.
Claims use since July 21, 1914.

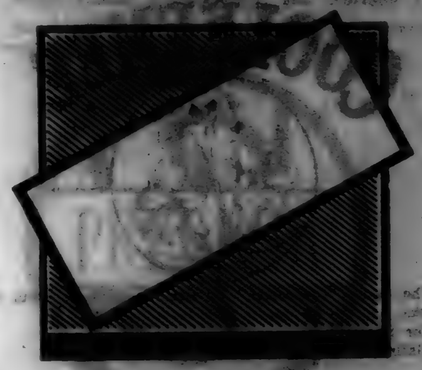
Ser. No. 365,040. WINTER HAVEN FRUIT SALES CORPORATION, Winter Haven, Fla. Filed May 17, 1935.

TRU-TYPE



No claim is made to the words "Tru-Type" apart from the mark.
For Fresh Citrus Fruits—Namely, Oranges, Grapefruit, and Tangerines.
Claims use since Oct. 29, 1932.

Ser. No. 365,305. THOMSON BRAND INCORPORATED, New York, N. Y. Filed June 6, 1935.



The drawing is not lined for color.
For Baking Powder.
Claims use since July, 1934.

Ser. No. 367,169. PEPSI LABORATORIES, INC., Wilmington, Del. Filed July 11, 1935.



Applicant is the owner of trade-mark registration No. 192,088. The word "MILK" is disclaimed apart from the mark. The portrait is fanciful.
For Preparation in Powdered Form Containing Milk, Cocoa, and Malt for Use in Making a Nutritious Beverage.
Claims use since June 6, 1935.

Ser. No. 367,305. PEVELY DAIRY COMPANY, St. Louis, Mo. Filed July 11, 1935. Under 10-year proviso.

PEVELY

For Dairy Products—Namely, Cream, Milk, Acidophilus Milk, Chocolate Buttermilk, Chocolate Buttermilk, Cottage Cheese, Cream Cheese; Cocoa Drink Made of Milk, Cocoa, and Sugar; Ice Cream, Butter, and Evaporated Milk.
Claims use since 1907.

Ser. No. 370,744. THE STEGAL, Laredo, Webb, Tex. Filed Oct. 11, 1935.

Liberty Queen

For Wheat Flour.
Claims use since Mar. 1, 1935.

Ser. No. 370,826. P. & S. FLEW, Ltd., Copenhagen, Denmark. Filed Oct. 15, 1935.



No claim is made to the representation of the cheese or to the words "Product of Denmark", "Brand", "Swiss Cheese" apart from the mark.
For Swiss Cheese.
Claims use since 1934.

Ser. No. 370,843. JOSEPH D'ACCARDO, doing business as Hi-Jump Fruit Company, Modesto, Calif. Filed Oct. 10, 1935.

Theresa

The picture is fanciful.
For Fresh Fruit—Namely, Fresh Grapes.
Claims use since Aug. 8, 1935.

Ser. No. 370,930. GEO. E. ERSKINE, Milwaukee, Wis. Filed Oct. 21, 1935.

JOYEATO

LUEPCO

For Pecan Pies.
Claims use since Oct. 9, 1935.

Ser. No. 370,700. SIDNEY A. HARAN, New York, N. Y. Filed Oct. 28, 1935.

COCKTAIL SNACKS

For Canned Anchovies and Herring.
Claims use since Sept. 2, 1935.

Ser. No. 370,919. VICTOR MATARAZZO, doing business as Isle of Kapri Packing Co., New York, N. Y. Filed Oct. 25, 1935.



For Prepared Olives.
Claims use since Oct. 1, 1935.

Ser. No. 370,864. ROCKWOOD & Co., Brooklyn, N. Y. Filed Oct. 24, 1935.

WAFER TRIO

The word "Wafer" is disclaimed except as shown.
For Chocolates.
Claims use since July 18, 1935.

Ser. No. 371,145. STANLEY W. FENSTROM, INC., doing business as Tom-Kin Tea Co., Boston, Mass. Filed Nov. 4, 1935.

TOM-KIN

For Orange Pekoe and Pekoe Tea.
Claims use since October, 1932.

Ser. No. 371,262. GENERAL MILLS, INC., Minneapolis, Minn. Filed Nov. 6, 1935.

COLONEL BOB

For Wheat Cereals Prepared and Preparations Thereof, Particularly Wheat Germ, Wheat Flour, and Breakfast Foods.
Claims use since Oct. 16, 1935.

Ser. No. 371,330. CALIFORNIA AND HAWAIIAN SUGAR REFINING CORPORATION, LIMITED, San Francisco, Calif. Filed Nov. 8, 1935.

COCKTAIL CUBES

The word "Cubes" is disclaimed apart from the mark.
For Raw and Refined Sugars.
Claims use since Oct. 22, 1935.

Ser. No. 871,390. ISENHART BROTHERS, INCORPORATED, Evansville, Ind. Filed Nov. 9, 1935.

PLAY-LAND

For Wheat Flour.
Claims use since Sept. 30, 1935.

Ser. No. 871,422. ELKHART LAKE CANNING COMPANY, Elkhart Lake, Wis. Filed Nov. 11, 1935.

WHITE ROOSTER

For Canned Peas.
Claims use since January, 1926.

Ser. No. 871,431. GENERAL MILLS, INC., Minneapolis, Minn. Filed Nov. 11, 1935.

PLAY BOY

For Flour, Particularly Wheat Flour.
Claims use since Oct. 30, 1935.

Ser. No. 871,521. H. C. BRILL COMPANY, INC., Newark, N. J. Filed Nov. 14, 1935.

HOTCO

For Food Preparation for Making a Hot or Cold Chocolate Drink.
Claims use since Feb. 11, 1935.

Ser. No. 871,704. MOUNTAIN LAKE CORPORATION, Lake Wales, Fla. Filed Nov. 18, 1935.

CREST O'PINES

For Fresh Citrus Fruits.
Claims use since Oct. 12, 1935.

Ser. No. 871,941. SICURO BROTHERS, Brooklyn, N. Y. Filed Nov. 19, 1935.



For Whipped Butter.
Claims use since Nov. 7, 1935.

Ser. No. 871,925. MCCALLUM-LINDAS FISH COMPANY, INC., Seattle, Wash. Filed Nov. 22, 1935.

SEAFROST

For Fresh Frozen Fish—Namely, Salmon and Halibut.
Claims use since Feb. 16, 1933.

Ser. No. 871,935. ANIMAL FOODS COMPANY, doing business as Delight Dog Food Co., San Jose, Calif. Filed Nov. 25, 1935.

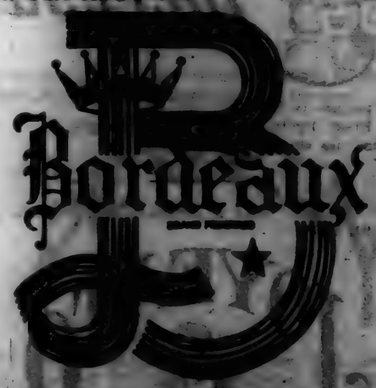
DELIGHT

For Canned Foods for Dogs, Cats, Foxes, and Other Carnivorous Animals.
Claims use since Nov. 16, 1935.

CLASS 47

Wines

Ser. No. 870,888. A. CRESSOY & COMPANY, INC., Denver, Colo. Filed Oct. 24, 1935.



The words "Bordeaux Brand Preferred" are disclaimed except as shown.
For Wines.
Claims use since June, 1933.

CLASS 48

Malt Beverages and Liquors

Ser. No. 847,884. CLARKE BREWERY LIMITED, Saint John, New Brunswick, Canada. Filed Feb. 19, 1934.





No claim is made to any words except "Red Ball" and "Simeon Jones Ltd." The drawing is lined for red.
For Beer, Stout, and Ales.
Claims use since Jan. 1, 1932.

Ser. No. 872,155. AUTO CITY BREWING CO., Hamtramck, Mich. Filed Dec. 2, 1935.

Altweiser

For Beer.
Claims use since Nov. 25, 1935.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 871,532. GILBEY BROTHERS, INC., New York, N. Y. Filed Nov. 14, 1935.

TOWN & RACQUET

For Whiskey.
Claims use since Aug. 9, 1935.

Ser. No. 871,534. GILBEY BROTHERS, INC., New York, N. Y. Filed Nov. 14, 1935.

WATKINS GROVE

For Whiskey.
Claims use since Aug. 9, 1935.

Ser. No. 871,806. MARNIER & Co., Cognac, France. Filed Nov. 19, 1935.



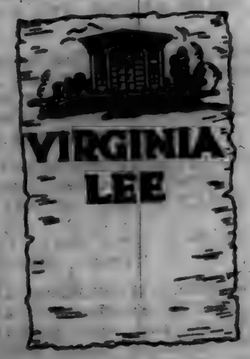
No claim is made to the word "Cognac" nor to the representation of a metallic cap apart from the mark.
For Brandy.
Claims use since Feb. 25, 1922.

Ser. No. 872,065. SAZERAC COMPANY, INCORPORATED, New Orleans, La. Filed Nov. 27, 1935.

Kentucky Dale

For Whiskey.
Claims use since Oct. 1, 1935.

Ser. No. 872,080. WALKER'S OF BOSTON, INC., Boston, Mass. Filed Nov. 27, 1935.



For Gin, Whiskey, and Brandy.
Claims use since Jan. 24, 1935.

Ser. No. 372,099. Frankfort Distilleries, Incorporated, Louisville, Ky. Filed Nov. 29, 1935.

DAWN OF KENTUCKY

For Whiskey.
Claims use since Oct. 22, 1935.

Ser. No. 372,106. L. Klein, Inc., Chicago, Ill. Filed Nov. 29, 1935.

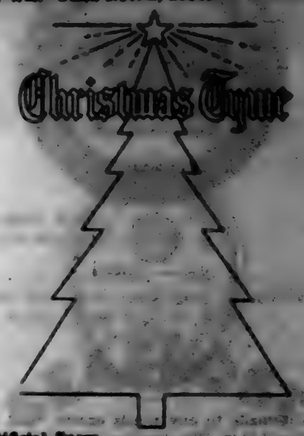
Elkay

For Brandy.
Claims use since Nov. 1, 1934.

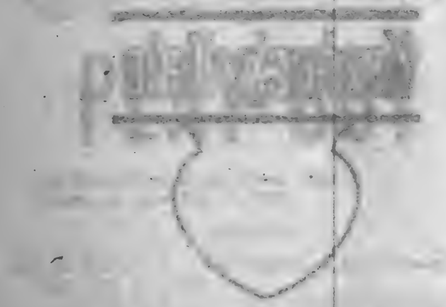
CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 371,692. Charles A. Krause Milling Co., Milwaukee, Wis. Filed Nov. 1, 1935.



For Artificial Snow.
Claims use since Aug. 16, 1935.



331,366. MEN'S WEAR—NAMELY, PAJAMAS, BATH ROBES, BEACH ROBES, LOUNGING ROBES, HOSIERY, SWEATERS, NECKTIES, UNDERSHIRTS, DRAWERS, UNION SUITS, ETC. L. BAMBERGER & COMPANY, Newark, N. J.
Filed July 29, 1935. Serial No. 367,783. PUBLISHED OCTOBER 22, 1935. Class 39.

331,367. MEMBRANEOUS AND RUBBER PROPHYLACTIC ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. EDGAR GRAVES FLETCHER, Cincinnati, Ohio.
Filed July 24, 1935. Serial No. 367,648. PUBLISHED OCTOBER 29, 1935. Class 44.

331,368. WOMEN'S LEATHER AND FABRIC SHOES AND SANDALS. A. S. BECK SHOE CORPORATION, New York, N. Y.
Filed July 26, 1935. Serial No. 367,704. PUBLISHED OCTOBER 22, 1935. Class 29.

331,369. MEN'S, WOMEN'S, AND CHILDREN'S LEATHER AND FABRIC SHOES. FRANKLIN SIMON & CO. INC., New York, N. Y.
Filed July 23, 1935. Serial No. 367,661. PUBLISHED OCTOBER 22, 1935. Class 39.

331,370. FUR COATS, FUR WRAPS, FUR NECKPIECES, FUR MUFFS, AND FUR SCARFS. RICE'S FASHION CORNER INC., Norfolk, Va.
Filed July 22, 1935. Serial No. 367,543. PUBLISHED OCTOBER 22, 1935. Class 39.

331,371. WINES. VINTAGE WINES, INC., New York, N. Y.
Filed July 20, 1935. Serial No. 367,520. PUBLISHED OCTOBER 29, 1935. Class 47.

331,372. HOUSE BROOMS MADE OF BROOM CORN. EDMUND B. QUINEY, Tampa, Fla.
Filed July 20, 1935. Serial No. 367,519. PUBLISHED OCTOBER 29, 1935. Class 29.

331,373. LADIES' LINGERIE—NAMELY, UNDERWEAR, BRASSIÈRES, CHEMISES, NIGHTGOWNS, PAJAMAS, AND UNDERSKIRTS, OUTERSKIRTS, GLOVES OF LEATHER AND FABRIC, BATHING SUITS, CORSETS, SPORTS PAJAMAS, BLOUSES, AND HOSIERY. H. & A. GALINSKY INC., New York, N. Y.
Filed July 19, 1935. Serial No. 367,465. PUBLISHED OCTOBER 22, 1935. Class 39.

331,374. FOOTWEAR—NAMELY, SHOES MADE OF LEATHER, RUBBER, AND FABRIC MATERIAL; LEATHER AND FABRIC SANDALS; AND LEATHER AND RUBBER BOOTS. MUNICIPAL SHOE CO., INC., Brooklyn, N. Y.
Filed July 18, 1935. Serial No. 367,442. PUBLISHED OCTOBER 22, 1935. Class 29.

331,375. ELECTRICAL EQUIPMENT, INCLUDING: INDUSTRIAL SWITCHES, METER SERVICE SWITCHES, COMPENSATOR SWITCHES, INDOOR AND OUTDOOR METER BOXES, ETC. SQUARE D COMPANY, Detroit, Mich.
Filed March 22, 1935. Serial No. 362,884. PUBLISHED OCTOBER 29, 1935. Class 21.

331,376. DISINFECTANTS AND PHARMACEUTICAL PREPARATIONS—NAMELY, FOR THE TREATMENT OF GLANDS. SOCIÉTÉ ANONYME PUBLICITÉ FRANCO AMERICAINE, Paris, France.
Filed March 21, 1935. Serial No. 362,846. PUBLISHED OCTOBER 22, 1935. Class 6.

331,377. DISINFECTANTS AND PHARMACEUTICAL PREPARATIONS—NAMELY, FOR THE TREATMENT OF GLANDS. SOCIÉTÉ ANONYME PUBLICITÉ FRANCO AMERICAINE, Paris, France.
Filed March 21, 1935. Serial No. 362,845. PUBLISHED OCTOBER 22, 1935. Class 6.

331,378. TOILET PREPARATION FOR BEAUTIFYING THE SKIN AND COMPLEXION. MORSON MANUFACTURING CORPORATION, doing business as Cu-Cream Company, Lynchburg, Va.
Filed August 9, 1935. Serial No. 368,144. PUBLISHED OCTOBER 22, 1935. Class 6.

331,379. SHAVING CREAM AND BRUSHLESS SHAVE CREAM. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed August 9, 1935. Serial No. 368,122. PUBLISHED OCTOBER 29, 1935. Class 4.

331,380. SHAVING CREAM AND BRUSHLESS SHAVE CREAM. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed August 9, 1935. Serial No. 368,123. PUBLISHED OCTOBER 29, 1935. Class 4.

331,381. CORSETS AND FOUNDATION GARMENTS. INTERNATIONAL CORSET COMPANY, Aurora, Ill.
Filed August 6, 1935. Serial No. 368,105. PUBLISHED OCTOBER 22, 1935. Class 39.

331,382. FLOOR AND AUTOMOBILE WAX. MORTON WINSTON, doing business as Morton Products, Bronx, N. Y.
Filed August 7, 1935. Serial No. 368,091. PUBLISHED OCTOBER 15, 1935. Class 18.

331,383. FRESH VEGETABLES AND MELONS. SMITH-THORNBURG COMPANY, Phoenix, Ariz.
Filed August 7, 1935. Serial No. 368,063. PUBLISHED OCTOBER 29, 1935. Class 46.

331,384. SOCKET SET SCREWS, SOCKET HEAD CAP SCREWS, SOCKET HEAD SHOULDER SCREWS, AND SQUARE HEAD DOG POINT SCREWS. THE CHICAGO SCREW COMPANY, Chicago, Ill.
Filed August 22, 1935. Serial No. 368,680. PUBLISHED OCTOBER 29, 1935. Class 13.

331,385. WINES. JOSÉ RAMIREZ & CO. LIMITED, London, England.
Filed August 19, 1935. Serial No. 368,456. PUBLISHED OCTOBER 29, 1935. Class 47.

331,386. LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. CARLISLE SHOE COMPANY, Carlisle, Pa., and New York, N. Y.
Filed August 19, 1935. Serial No. 368,441. PUBLISHED OCTOBER 29, 1935. Class 39.

331,387. KNITTED FABRIC OF SILK, COTTON, WOOL, AND/OR RAYON IN THE PIECE AND RULE. KNITWEAR MFR. CO., INC., Brooklyn, N. Y.
Filed August 17, 1935. Serial No. 368,428. PUBLISHED OCTOBER 22, 1935. Class 42.

331,388. GIN AND WHISKEY. SOUTHERN DISTRIBUTORS, INC., Phoenix, Ariz.
Filed September 21, 1935. Serial No. 369,582. PUBLISHED OCTOBER 29, 1935. Class 46.

331,389. GIN. OSTROCON DISTILLED PRODUCTS CO., INC., New York, N. Y.
Filed September 21, 1935. Serial No. 369,582. PUBLISHED OCTOBER 29, 1935. Class 46.

331,390. WHISKEY. OSTROCON DISTILLED PRODUCTS CO., INC., New York, N. Y.
Filed September 21, 1935. Serial No. 369,580. PUBLISHED OCTOBER 29, 1935. Class 46.

331,391. WHISKEY. OSTROCON DISTILLED PRODUCTS CO., INC., New York, N. Y.
Filed September 21, 1935. Serial No. 369,579. PUBLISHED OCTOBER 29, 1935. Class 46.

331,392. WHISKEY, BRANDY, GIN, RUM, AND ALCOHOLIC CORDIALS. JOSEPH S. FINCH AND COMPANY, New York, N. Y.
Filed September 21, 1935. Serial No. 369,567. PUBLISHED OCTOBER 29, 1935. Class 46.

331,393. WHISKEY. GEORGE SMITH BOOZE, INC., St. Paul, Minn.
Filed September 20, 1935. Serial No. 369,322. PUBLISHED OCTOBER 29, 1935. Class 46.

331,394. WINES. ITALIAN SWISS COLONY, San Francisco, Calif.
Filed September 6, 1935. Serial No. 369,152. PUBLISHED OCTOBER 29, 1935. Class 47.

331,395. ADHESIVE LATEX PASTE. BOSTIK & SEIBEL CO., New York, N. Y.
Filed September 7, 1935. Serial No. 369,673. PUBLISHED OCTOBER 29, 1935. Class 2.

331,396. WHISKIES. JOSEPH THEOBALD CORPORATION, Chicago, Ill.
Filed September 5, 1935. Serial No. 369,066. PUBLISHED OCTOBER 29, 1935. Class 46.

331,397. LUBRICANTS CONTAINING GRAPHITE WITH OIL, WATER, OR OTHER VEHICLE. HARRY M. REYNOLDS, doing business as Reynolds Sales Company, Columbus, Ohio.
Filed September 6, 1935. Serial No. 369,093. PUBLISHED OCTOBER 22, 1935. Class 15.

331,398. BILLIARD TABLES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed September 16, 1935. Serial No. 369,134. PUBLISHED OCTOBER 29, 1935. Class 22.

331,399. POCKET-BILLIARD BALLS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed September 16, 1935. Serial No. 369,136. PUBLISHED OCTOBER 29, 1935. Class 22.

331,400. AIR CONDITIONING UNITS AND STRUCTURAL PARTS THEREOF. CHRYSLER CORPORATION, Highland Park, Mich.
Filed September 16, 1935. Serial No. 369,333. PUBLISHED OCTOBER 29, 1935. Class 34.

331,401. DISTILLED DRY GIN. LYONS-MAGNUS, INC., doing business as The H. G. Lyons & Ross Co., San Francisco, Calif.
Filed September 16, 1935. Serial No. 369,362. PUBLISHED OCTOBER 29, 1935. Class 46.

331,402. ALE AND BEER. STANDARD BREWING COMPANY, INC., Rochester, N. Y.
Filed September 17, 1935. Serial No. 369,422. PUBLISHED OCTOBER 29, 1935. Class 46.

331,403. TOILET SOAPS. JOHN WANAMAKER, PHILADELPHIA, Philadelphia, Pa.
Filed September 17, 1935. Serial No. 369,425. PUBLISHED OCTOBER 29, 1935. Class 4.

331,404. CANNED OLIVES. V. E. SMITH, doing business as V. E. Smith Olive Co., Lindsay, Calif.
Filed September 3, 1935. Serial No. 369,020. PUBLISHED OCTOBER 29, 1935. Class 46.

331,405. COFFEE. WHOLESALE DISTRIBUTORS, INC., Kansas City, Mo.
Filed September 3, 1935. Serial No. 369,005. PUBLISHED OCTOBER 29, 1935. Class 46.

331,406. SHOES PRINCIPALLY OF LEATHER, SHOES PRINCIPALLY OF FABRIC, AND SHOES OF A COMBINATION OF LEATHER AND FABRIC. D. ARMSTRONG & COMPANY, INC., Rochester, N. Y.
Filed August 12, 1935. Serial No. 368,214. PUBLISHED OCTOBER 22, 1935. Class 29.

331,407. ABSORBENT FACE CLEANSING SHEETS MADE OF PAPER. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed August 12, 1935. Serial No. 368,228. PUBLISHED OCTOBER 29, 1935. Class 37.

331,408. NON-FIBROUS CELLULOSIC PRODUCTS IN THE FORM OF SHEETS, FILMS, BANDS, TUBING, AND HOLLOW BODIES, WHETHER TRANSPARENT OR OPAQUE, COLORED OR UNCOLORED, EMBOSSED, COATED OR IMPREGNATED. SYLVANIA INDUSTRIAL CORPORATION, New York, N. Y.
Filed August 13, 1935. Serial No. 368,274. PUBLISHED OCTOBER 29, 1935. Class 1.

331,409. ARTICLES OF JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES, BUT INCLUDING FINGER RINGS, GOOD LUCK CHARMS, AND CURIOS INTENDED TO BE WORN OR CARRIED ON THE PERSON. CHARLES MEYER, Chicago, Ill.
Filed August 14, 1935. Serial No. 368,302. PUBLISHED OCTOBER 29, 1935. Class 28.

331,410. SILK PIECE GOODS. CROMPTON SILK COMPANY, INC., New York, N. Y.
Filed August 16, 1935. Serial No. 368,345. PUBLISHED OCTOBER 29, 1935. Class 42.

331,411. COVER PAPERS AND BOOK PAPERS. PEERLESS PAPER COMPANY, Ypsilanti, Mich.
Filed August 15, 1935. Serial No. 368,331. PUBLISHED OCTOBER 29, 1935. Class 37.

331,412. FACE POWDER. COTY, INC., Wilmington, Del.
Filed August 16, 1935. Serial No. 368,371. PUBLISHED OCTOBER 22, 1935. Class 6.

331,413. MEN'S, WOMEN'S, AND CHILDREN'S SHOES OF LEATHER, CLOTH, AND COMBINATIONS OF LEATHER AND CLOTH. NATIONAL SHOE STORES, INC., New York, N. Y.
Filed August 15, 1935. Serial No. 368,378. PUBLISHED OCTOBER 22, 1935. Class 39.

331,414. TOY PISTOLS. PERCY RIMES, Brooklyn, N. Y.
Filed May 31, 1935, Serial No. 365,780. PUBLISHED OCTOBER 29, 1935. Class 22.

331,415. FOUNDATION GARMENTS—NAMELY, BRASSIÈRES, CORSELETS, CORSETS, BANDEAUX, PANTIES, GIRDLES, AND GARTER BELTS. PERMACOR FOUNDATIONS, INC., New York, N. Y.
Filed June 5, 1935. Serial No. 365,816. PUBLISHED OCTOBER 22, 1935. Class 39.

331,416. BREAD AND FISH FOOD. THOMAS E. QUINN, Flushing, N. Y.
Filed June 5, 1935. Serial No. 365,817. PUBLISHED OCTOBER 29, 1935. Class 46.

331,417. PERFUMES AND COSMETIC CREAMS. LETHERIC, INCORPORATED, New York, N. Y.
Filed June 8, 1935. Serial No. 365,949. PUBLISHED OCTOBER 22, 1935. Class 6.

331,418. PERFUMES AND COSMETIC CREAMS. LETHERIC, INCORPORATED, New York, N. Y.
Filed June 8, 1935. Serial No. 365,950. PUBLISHED OCTOBER 22, 1935. Class 6.

331,419. CANNED FRUITS AND VEGETABLES, COFFEE, EVAPORATED MILK, AND SALT. W. A. BAUER CO., Norristown, Pa.
Filed June 10, 1935. Serial No. 365,975. PUBLISHED OCTOBER 29, 1935. Class 46.

331,420. DRESS, NEGLIGEE, AND WORK SHIRTS. UNION SHIRT COMPANY, New York, N. Y.
Filed June 10, 1935. Serial No. 366,041. PUBLISHED OCTOBER 15, 1935. Class 39.

331,421. CUTICLE SCISSORS, MANICURE IMPLEMENTS, NAIL FILES, AND TWEEZERS. THE HENKEL-CLAUSS COMPANY, Fremont, Ohio.
Filed June 12, 1935. Serial No. 366,093. PUBLISHED OCTOBER 29, 1935. Class 44.

331,422. BANK CHECKS AND NEGOTIABLE INSTRUMENTS. STANFORD-LOWDON COMPANY, Fort Worth, Tex.
Filed June 19, 1935. Serial No. 366,280. PUBLISHED OCTOBER 29, 1935. Class 37.

331,423. JEWELRY—NAMELY, VEST, KEY, SPORT, AND WALDEMAR CHAINS; BRACELETS; PENDANTS; BROOCHES; BAR PINS; LOCKETS; BRACELET AND RING SETS; BRACELET AND PENDANT SETS, ETC. BAUMAN-MASSA JEWELRY COMPANY, St. Louis, Mo.
Filed June 22, 1935. Serial No. 366,501. PUBLISHED SEPTEMBER 24, 1935. Class 28.

331,424. SOCK LINERS COMBINED WITH A METATARSAL PAD AND/OR A SPONGE RUBBER ARCH PAD USED FOR THE RELIEF OF TIRED AND ACHING FEET. CLARENCE H. SIMMONS, doing business as C. H. Simmons Mfg. Co., Kansas City, Mo.
Filed June 24, 1935. Serial No. 366,605. PUBLISHED OCTOBER 29, 1935. Class 44.

331,425. FURNITURE AND AUTOMOBILE POLISH. OSCAR BIENSTOCK, Brooklyn, N. Y.
Filed June 27, 1935. Serial No. 366,711. PUBLISHED OCTOBER 29, 1935. Class 18.

331,426. SHAVING CREAM HAVING INCIDENTAL PROPERTIES AS A FACIAL CREAM. TWOR, INC., Danbury, Conn.
Filed July 1, 1935. Serial No. 366,859. PUBLISHED OCTOBER 29, 1935. Class 4.

331,427. CANNED FOOD FOR DOGS, CATS, AND CARNIVOROUS ANIMALS. THE FOSTER CANNING CO., INC., doing business as Glendale Canning Co., Glendale, N. Y.
Filed July 2, 1935. Serial No. 366,937. PUBLISHED OCTOBER 29, 1935. Class 46.

331,428. LADIES', MISSES', AND CHILDREN'S READY-TO-WEAR, TRIMMED AND UNTRIMMED HATS, BONNETS, CAPS, TAMS, BERETS, AND HAT FRAMES AND HAT LININGS AND SWEAT BANDS. SOLOMON I. HYMAN, doing business as National Wholesale Millinery Company, and National Millinery Company, Baltimore, Md.
Filed July 3, 1935. Serial No. 366,941. PUBLISHED OCTOBER 22, 1935. Class 39.

331,429. ADHESIVE PASTE. LEMP BROS., INC., Minneapolis, Minn.
Filed July 8, 1935. Serial No. 367,074. PUBLISHED OCTOBER 29, 1935. Class 5.

331,430. PAINT ENAMEL. MOUND CITY PAINT & COLOR COMPANY, St. Louis, Mo.
Filed July 10, 1935. Serial No. 367,132. PUBLISHED OCTOBER 29, 1935. Class 16.

331,431. VARNISH LINOLEUM FINISH. MOUND CITY PAINT & COLOR COMPANY, St. Louis, Mo.
Filed July 10, 1935. Serial No. 367,133. PUBLISHED OCTOBER 29, 1935. Class 16.

331,432. INCINERATORS AND PARTS THEREOF. J. C. ROCHESTER & CO., INC., New York, N. Y.
Filed July 12, 1935. Serial No. 367,200. PUBLISHED OCTOBER 29, 1935. Class 34.

331,433. GELATIN. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed July 13, 1935. Serial No. 367,266. PUBLISHED OCTOBER 29, 1935. Class 46.

331,434. AIRPLANES. NORTH AMERICAN AVIATION, INC., Dundalk, Md.
Filed May 31, 1935. Serial No. 365,646. PUBLISHED OCTOBER 29, 1935. Class 19.

331,435. READY-MIXED PAINT. THERMIC COMPANY INC., Kansas City, Mo.
Filed May 27, 1935. Serial No. 365,499. PUBLISHED OCTOBER 29, 1935. Class 16.

331,436. KNITTED AND WOVEN GOODS COMPRISING UNDERSHIRTS, UNDERDRAWERS, UNION SUITS, BATHING SUITS, SWEATERS, AND HOSIERY FOR MEN, WOMEN, AND CHILDREN, OF VARIOUS MATERIALS COMPRISING CASHMERE, CASHMERE WOOL, WOOL, MERINO, PURE LINEN, PURE SILK, SILK MIXED, COTTON, LISLE THREAD, AND RAYON OR ARTIFICIAL SILK AND MIXTURES OF THE SAME. AMERICAN HOSIERY COMPANY, New Britain, Conn.
Filed May 17, 1935. Serial No. 365,015. PUBLISHED OCTOBER 22, 1935. Class 36.

331,437. RIBBONS SOLD BY THE BOLT AND PIECE GOODS OF SILK, RAYON, AND METALLIC CLOTH. W-B-R RIBBON CORPORATION, New York, N. Y.
Filed September 24, 1934. Serial No. 356,393. PUBLISHED OCTOBER 22, 1935. Class 43.

331,438. ACID-PROOF BRICK. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa.
Filed September 24, 1934. Serial No. 356,344. PUBLISHED MAY 14, 1935. Class 17.

331,439. WIRE EGG BEATERS, WIRE POTATO MASHERS, AND WIRE ICING GRATERS. MINNESOTA WIRE GOODS CORPORATION, New York, N. Y.
Filed September 7, 1934. Serial No. 355,611. PUBLISHED OCTOBER 29, 1935. Class 28.

331,440. MASSAGE DEVICES. VICTOR E. ANDERSON, doing business as Anderson Arch and Health Rebuilder Co., East Orange, N. J.
Filed September 6, 1934. Serial No. 355,782. PUBLISHED OCTOBER 29, 1935. Class 44.

331,441. WHISKEY. JOSEPH B. STRAUSS & SONS, INC., Lawrenceburg, Ind.
Filed August 30, 1934. Serial No. 355,606. PUBLISHED OCTOBER 29, 1935. Class 49.

331,442. CANDLES. COLUMBIA WAX WORKS, Green Park, N. Y.
Filed August 28, 1934. Serial No. 355,554. PUBLISHED OCTOBER 22, 1935. Class 18.

331,443. STAMP PADS AND RUBBER STAMP INK. FULTON SPECIALTY COMPANY, Elizabeth, N. J.
Filed March 12, 1934. Serial No. 346,425. PUBLISHED OCTOBER 29, 1935. Class 11.

331,444. DYED SKINS. AMERICAN FUR DESIGN COMPANY, North Bergen, N. J.
Filed July 24, 1933. Serial No. 340,097. PUBLISHED OCTOBER 29, 1935. Class 1.

331,445. CORRECTIVE SHOES FOR CRIPPLED AND/OR DEFORMED FEET. THE FOOT-HEALTH INSTITUTE, Philadelphia, Pa., assignor to Dr. H. B. Norton Shoe Company, a corporation of Pennsylvania.
Filed April 11, 1933. Serial No. 329,443. PUBLISHED JUNE 5, 1934. Class 44.

331,446. FLOOR TILE, WALL TILE, ROOFING TILE; STONE, IMITATION STONE, AND CEMENT BUILDING SLABS FOR INTERIOR OR EXTERIOR CONSTRUCTION PURPOSES; BRICK, FURNISHED CONSTRUCTION STONE, AND IMITATION STONE, RAILROAD CROSSTIES, ARTIFICIAL STONE AND CEMENT FENCE POSTS, STONE, ARTIFICIAL STONE, AND MANHOLE RAILINGS, PALINGS, AND SPINDLES, AND STONE, ARTIFICIAL STONE, AND CEMENT SIDEWALK CURBING. SCHWEIKE CORPORATION, Cleveland, Ohio.
Filed September 27, 1932. Serial No. 320,713. PUBLISHED NOVEMBER 29, 1932. Class 15.

331,447. WOOLEN PIECE GOODS. STROOCK EDWAY & CO., INC., New York, N. Y.
Filed May 14, 1935. Serial No. 364,962. PUBLISHED JULY 16, 1935. Class 42.

331,448. VITAMIN CONCENTRATE INGREDIENT TO BE ADDED TO BREAD, MILK, PEANUT BUTTER, OLEOMARGARINE, AND OTHER LIKE FOOD PRODUCTS TO INCREASE THEIR VITAMIN POTENCY. INTERNATIONAL VITAMIN CORPORATION, New York, N. Y.
Filed April 26, 1933. Serial No. 334,230. PUBLISHED OCTOBER 22, 1935. Class 6.

331,449. ENGINE AND MACHINERY PACKINGS MADE OF ASBESTOS AND/OR CANVAS WITH RUBBER AND/OR METAL USED FOR PREVENTING THE ESCAPE OF STEAM OR OTHER FLUID OR VAPOR BETWEEN THE WORKING PARTS. THE ENGLISH PACKING & RUBBER CO., LIMITED, London, England.
Filed April 6, 1933. Serial No. 333,453. PUBLISHED OCTOBER 29, 1935. Class 35.

331,450. CANNED RUSSIAN HORTICULTURAL BRAND. H. C. BARTLETT & BRO., doing business as H. C. Bartlett Bros. Co., Bartlett Bros. Co., Snowdrift Canning Company, Augusta Canning Company, and Maine Canned Foods, Inc., Brunswick, Maine.
Filed March 23, 1935. Serial No. 347,907. PUBLISHED OCTOBER 29, 1935. Class 46.

331,451. FLAT GLASS. DUPLATE CORPORATION, Pittsburgh, Pa.
Filed March 18, 1935. Serial No. 347,543. PUBLISHED OCTOBER 22, 1935. Class 32.

331,452. FLAT GLASS. DUPLATE CORPORATION, Pittsburgh, Pa.
Filed March 18, 1935. Serial No. 347,544. PUBLISHED OCTOBER 29, 1935. Class 32.

331,453. FLAT GLASS. DUPLATE CORPORATION, Pittsburgh, Pa.
Filed March 18, 1935. Serial No. 347,545. PUBLISHED OCTOBER 29, 1935. Class 32.

331,454. FLAT GLASS. DUPLATE CORPORATION, Pittsburgh, Pa.
Filed March 18, 1935. Serial No. 347,546. PUBLISHED OCTOBER 29, 1935. Class 32.

331,455. FLAT GLASS. DUPLATE CORPORATION, Pittsburgh, Pa.
Filed March 18, 1935. Serial No. 347,550. PUBLISHED OCTOBER 29, 1935. Class 32.

331,456. MEATS—NAMELY, MEAT LOAF. EASTERN MARKET SAUSAGE COMPANY, INC., Detroit, Mich.
Filed March 6, 1935. Serial No. 363,169. PUBLISHED OCTOBER 29, 1935. Class 46.

331,457. MEATS—NAMELY, MEAT LOAF. EASTERN MARKET SAUSAGE COMPANY, INC., Detroit, Mich.
Filed March 6, 1935. Serial No. 363,168. PUBLISHED OCTOBER 29, 1935. Class 46.

331,458. GUMMED PAPER IN ROLLS OR PACKAGES USED FOR BOX STAYS. LOUIS SCHEUMAN CO., INC., New York, N. Y.
Filed January 5, 1935. Serial No. 360,982. PUBLISHED OCTOBER 29, 1935. Class 37.

331,459. RUM. COMPAÑIA RON BACARDI, S. A., Santiago, Cuba.
Filed December 21, 1934. Serial No. [illegible]. PUBLISHED OCTOBER 29, 1935. Class 49.

331,460. RUM. COMPAÑIA RON BACARDI, S. A., Santiago, Cuba.
Filed December 21, 1934. Serial No. 360,818. PUBLISHED OCTOBER 29, 1935. Class 49.

331,461. STARCH PRODUCTS ORDINARILY USED FOR INDUSTRIAL PURPOSES. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed December 15, 1934. Serial No. 359,574. PUBLISHED OCTOBER 22, 1935. Class 6.

331,462. INEDIBLE STARCH PRODUCTS FOR INDUSTRIAL PURPOSES. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed December 15, 1934. Serial No. 359,575. PUBLISHED OCTOBER 29, 1935. Class 6.

331,463. INEDIBLE STARCH PRODUCTS FOR INDUSTRIAL PURPOSES. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed December 15, 1934. Serial No. 359,576. PUBLISHED OCTOBER 22, 1935. Class 6.

331,464. ELECTRIC WATER PUMPS. DECATUR PUMP COMPANY, Decatur, Ill.
Filed November 5, 1934. Serial No. 357,892. PUBLISHED OCTOBER 29, 1935. Class 23.

331,465. PAINT ENAMEL. ACME WHITE LEAD & COLOR WORKS, Detroit, Mich.
Filed August 13, 1935. Serial No. 368,218. PUBLISHED OCTOBER 29, 1935. Class 16.

331,466. BRANDY. FRUIT DISTILLERS, INC., Los Angeles, Calif., and New York, N. Y.
Filed October 15, 1934. Serial No. 357,125. PUBLISHED OCTOBER 29, 1935. Class 49.

331,467. LADIES', MISSES', OR GIRLS' DRESSES, COATS; SHOES OF LEATHER, RUBBER, AND FABRIC; GLOVES OF LEATHER AND FABRIC; AND HATS. YOUNKER BROTHERS, INC., Des Moines, Iowa.
Filed August 10, 1935. Serial No. 368,212. PUBLISHED OCTOBER 22, 1935. Class 39.

331,468. MALT PRODUCTS, AND MORE PARTICULARLY BEER AND ALE. BOWLING BREWING, INC., Evansville, Ind.
Filed August 10, 1935. Serial No. 368,196. PUBLISHED OCTOBER 29, 1935. Class 49.

331,469. MEDICATED PLASTERS AND MEDICATED BANDAGES. T. J. SMITH & NEPHEW, LIMITED, Hull, England.
Filed August 16, 1935. Serial No. 368,191. PUBLISHED OCTOBER 29, 1935. Class 6.

331,470. CANNED GREEN CHILE SAUCE. R. C. OSUNA COMPANY, INC., Los Angeles, Calif.
Filed September 3, 1935. Serial No. 368,946. PUBLISHED OCTOBER 29, 1935. Class 46.

331,471. APPARATUS FOR THE TREATMENT OF SOLIDS SUSPENDED IN LIQUIDS AND MORE PARTICULARLY FOR SEDIMENTATION APPARATUS SUCH AS THICKENERS AND CLARIFIERS. THE DORR COMPANY, INC., New York, N. Y.
Filed September 9, 1935. Serial No. 369,226. PUBLISHED OCTOBER 29, 1935. Class 23.

331,472. MOULDED PULP PRODUCTS—NAMELY, BOTTLES AND CONTAINERS FOR AQUEOUS AND NON-AQUEOUS LIQUIDS; BOXES, CANS, AND CONTAINERS FOR DRY MATERIALS AND PULVERULENT MATERIALS; AND BOXES, CANS, AND CONTAINERS FOR PLASTIC AND SEMI-SOLID MATERIALS. PULP PRODUCTS COMPANY, INC., New York, N. Y.
Filed August 31, 1935. Serial No. 368,900. PUBLISHED OCTOBER 29, 1935. Class 2.

331,473. AUTOMOBILES. THE MARK MOTORS COMPANY, Kenosha, Wis.
Filed August 31, 1935. Serial No. 368,891. PUBLISHED OCTOBER 29, 1935. Class 12.

331,474. HANDBAGS AND PURSES. H. MANDOLIN & COMPANY, INC., New York, N. Y., and Fitchburg, Mass.
Filed August 30, 1935. Serial No. 368,856. PUBLISHED OCTOBER 29, 1935. Class 3.

331,475. COPPER. AMERICAN SMELTING AND REFINING COMPANY, New York, N. Y.
Filed August 31, 1935. Serial No. 368,874. PUBLISHED OCTOBER 29, 1935. Class 14.

331,476. FUR SKINS. A. & J. ENGEL, INC., New York, N. Y.
Filed August 10, 1935. Serial No. 368,241. PUBLISHED OCTOBER 29, 1935. Class 1.

331,477. CANDY BARS. ALLEN RISSMILLER, doing business as Rissmiller Candy Company, Milwaukee, Wis.
Filed August 28, 1935. Serial No. [illegible]. PUBLISHED OCTOBER 29, 1935. Class 46.

331,478. HAMES. U. S. HAME COMPANY, Buffalo, N. Y.
Filed August 29, 1935. Serial No. 368,536. PUBLISHED OCTOBER 29, 1935. Class 8.

331,479. BILLIARD TABLES. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed September 16, 1935. Serial No. 369,227. PUBLISHED OCTOBER 29, 1935. Class 22.

331,480. WINES. MASSENEZ WINE & SPIRITS, INC., Camden, N. J.
Filed September 16, 1935. Serial No. 369,231. PUBLISHED OCTOBER 29, 1935. Class 47.

331,481. STENCIL-PRINTING MACHINES. THE ROTOSTENCIL CO., Dayton, Ohio.
Filed September 12, 1935. Serial No. 369,245. PUBLISHED OCTOBER 29, 1935. Class 22.

331,482. SOAP PRODUCTS, PARTICULARLY TOILET SOAP, SHAVING SOAP, ETC. KIRK GUILD, INC., Utica, N. Y.
Filed September 12, 1935. Serial No. 369,250. PUBLISHED OCTOBER 29, 1935. Class 4.

331,483. SHAVING GRANULES. HARRY A. CROSBY, doing business as The Livingston Company, West Hartford, Conn.
Filed September 11, 1935. Serial No. 369,197. PUBLISHED OCTOBER 29, 1935. Class 4.

331,484. RUBBER PENCIL CAPS OR ERASERS. A. W. Faber, Inc., Newark, N. J.
Filed September 11, 1935. Serial No. 369,186. PUBLISHED OCTOBER 29, 1935. Class 37.

331,485. FASTENERS OR COUPLING DEVICES FOR UNDERGARMENTS. "Governess" Specialties Company, New York, N. Y.
Filed August 29, 1935. Serial No. 368,613. PUBLISHED OCTOBER 22, 1935. Class 40.

331,486. HYDROCARBON GASES. Standard Oil Company of New Jersey, Wilmington, Del.
Filed August 22, 1935. Serial No. 368,587. PUBLISHED OCTOBER 22, 1935. Class 6.

331,487. CANNED PIMIENTOS AND CHILE PEPPERS. R. C. Ortega Company, Inc., doing business as Pioneer Chile Packing Co., Los Angeles, Calif.
Filed September 3, 1935. Serial No. 368,948. PUBLISHED OCTOBER 29, 1935. Class 46.

331,488. RESTORATIVE AND TONIC. Elena D. Lattarulo, New York, N. Y.
Filed March 21, 1935. Serial No. 362,831. PUBLISHED OCTOBER 22, 1935. Class 6.

331,489. OVERCOATS AND TOP COATS FOR MEN. Hornstein-Newman, Inc., Galion, Ohio.
Filed May 14, 1935. Serial No. 364,819. PUBLISHED SEPTEMBER 24, 1935. Class 39.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

331,490. (CLASS 49. MALT BEVERAGES AND LIQUORS.) Russam & Horrmann Brewing Co., Stapleton, Staten Island, N. Y. Filed Nov. 26, 1935. Serial No. 372,026.

Premium

For Beer, Ale, and Porter.
Claims use since 1905.

331,491. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) The Mural Company, Inc., New Brighton, N. Y. Filed Oct. 25, 1935. Serial No. 370,927.

MURAL-COTE

For Dry Powder to be Mixed with Water and Used as a Wall Paint or Decorative Wall Coating.
Claims use since Sept. 1, 1934.

331,492. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) Blackstone Manufacturing Company, Chicago, Ill. Filed Oct. 23, 1935. Serial No. 370,746.

Perfect

For Speedometer Replacement Parts.
Claims use since Feb. 1, 1931.

331,493. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES.) Blackstone Manufacturing Company, Chicago, Ill. Filed Oct. 23, 1935. Serial No. 370,745.

Perfect

For Gaskets.
Claims use since Feb. 1, 1931.

331,494. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) W. J. Sutcliffe Co., East Rutherford, N. J. Filed Oct. 15, 1935. Serial No. 370,201.

FLOWRITE

For Paints in Ready Mixed and Paste Form and Varnishes.
Claims use since Nov. 26, 1934.

331,495. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Filed Sept. 30, 1935. Serial No. 369,597.

LOKWEAVE

For Woven Textile Rugs and Carpets.
Claims use since July 24, 1934.

331,496. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) Colbrooke Fabrics, Inc., New York, N. Y. Filed Sept. 14, 1935. Serial No. 369,298.

SUPERSHEER

For Silk Piece Goods.
Claims use since Aug. 1, 1935.

331,497. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) Termisc Company Inc., Kansas City, Mo. Filed May 27, 1935. Serial No. 365,490.

CANDENS

For Ready Mixed Paint.
Claims use since October, 1930.

331,498. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Sherriff's Limited, Toronto, Ontario, Canada. Filed Mar. 18, 1935. Serial No. 362,712.

Lushus

For Prepared Desserts—Namely, Jelly Powders.
Claims use since Aug. 18, 1927.

331,499. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) Solvo Paint & Chemical Co., Trenton, N. J. Filed Feb. 6, 1935. Serial No. 361,192.

Custom MADE

For Ready-Mixed Paints.
Claims use since November, 1934.

331,500. (CLASS 39. CLOTHING.) Richmond Wollstein, Rome, Ga. Filed Jan. 29, 1935. Serial No. 360,743.

Ruberib

For Hosiery.
Claims use since Nov. 15, 1934.

331,501. (CLASS 39. CLOTHING.) Richmond Wollstein, Rome, Ga. Filed Jan. 29, 1935. Serial No. 360,742.

Rite-Grip

For Hosiery.
Claims use since Nov. 15, 1934.

331,502. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) The Worthington Ball Company, Elyria, Ohio. Filed Dec. 12, 1934. Serial No. 359,250.

WORTHY

For Golf Balls.
Claims use since Nov. 30, 1934.

331,503. (CLASS 39. CLOTHING.) Lewis Knitting Company, Janesville, Wis. Filed Dec. 12, 1934. Serial No. 359,234.

LEWIS

French-Shorts

For Underwear for Men, Women, and Children.
Claims use since Nov. 28, 1934.

331,504. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) Dembsher's Wholesale Liquor Co., Kansas City, Mo. Filed Dec. 4, 1934. Serial No. 358,970.

Darlington

For Whiskey.
Claims use since Nov. 30, 1934.

331,505. (CLASS 39. CLOTHING.) The Manley & Carew Co., Cincinnati, Ohio. Filed Nov. 28, 1934. Serial No. 359,021.

Darvel

For Hosiery.
Claims use since Nov. 12, 1934.

331,506. CLASS 39. CLOTHING.) Ess and Jay Mfg. Co., New York, N. Y. Filed Nov. 9, 1934. Serial No. 358,049.

Miniature Modes

FOR THE PETITE MISS

For Misses' and Ladies' Dresses.
Claims use since Oct. 19, 1934.

331,307. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STERLING IMPORT & EXPORT CORP., New York, N. Y. Filed Sept. 24, 1934. Serial No. 356,280.

SIBONEY BRAND

For Prepared Canned Lobsters and Crabs, Preserved Fruits and Vegetables.
Claims use since July, 1934.

331,503. (CLASS 32. FURNITURE AND UPHOLSTERY.) FOLLMER, CLOGG & COMPANY, INC., New York, N. Y.; Philadelphia and Lancaster, Pa.; and San Francisco, Calif. Filed Apr. 26, 1934. Serial No. 350,496.

CLEAROD

For Display Stands for Goods.
Claims use since Mar. 17, 1934.

331,509. (CLASS 32. HEATING, LIGHTING, AND VENTILATING APPARATUS.) CLIFFORD F. WOOD, doing business as Newton Manufacturing Company, Roxbury, Mass. Filed Jan. 25, 1934. Serial No. 345,961.

KWICKWICK

For Oil Burner Wicks.
Claims use since January, 1932.

331,510. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Oct. 26, 1933. Serial No. 343,980.

Cornwell Whisky

For Whiskey.
Claims use since Oct. 11, 1933.

TRADE-MARK REGISTRATIONS RENEWED

13,253. FLOUR. Registered April 27, 1886. WASHBURN, CROSBY & CO., Minneapolis, Minn. Re-renewed April 27, 1926 to General Mills, Inc., Wilmington, Del., a corporation of Delaware, assignee by mesne assignments.

106,892. FISHING-TACKLE COMPRISING FISH RODS, LINES, REELS, HOOKS, NETS, BAITS, SINKERS, AND FLOATS. Registered October 26, 1915. WM. FRANKFURTH HARDWARE CO. Renewed October 26, 1935 to Frankfurth Hdw. Co., Milwaukee, Wis., a corporation of Wisconsin, by change of name.

106,903. SLATE AND ROOFING-SLATE. Registered November 2, 1915. RISING & NELSON SLATE CO. Renewed November 2, 1935 to Rising & Nelson Slate Company, West Pawlet, Vermont, a firm.

106,921. CERTAIN NAMED FOODS. Registered November 9, 1915. ACME-EVANS COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed November 9, 1935.

106,967. CERTAIN NAMED GAMES, TOYS, AND SPORTING GOODS. Registered November 9, 1915. MONTGOMERY WARD & CO., INC., New York, N. Y., Chicago, Ill., Brooklyn, N. Y., Fort Worth, Tex., Kansas City, Mo., and Portland, Oreg. Renewed November 9, 1935 to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois, assignee.

107,020. CIGARS AND CIGARETTES. Registered November 9, 1915. SOCIEDAD ANONIMA MANUFACTURA DE TABACOS PICCARDO Y COMPAÑIA LIMITADA, Buenos Aires, Argentina, a corporation of Argentina. Renewed November 9, 1935.

107,025. CANNED FISH AND PRESERVED FISH. Registered November 9, 1915. STRONEMEYER & ARPE COMPANY, New York, N. Y., a corporation of New York. Renewed November 9, 1935.

107,033. DRY BATTERIES. Registered November 9, 1915. WILLIAMS ARTICULATOR COMPANY, Chicago, Ill., a corporation of South Dakota. Renewed November 9, 1935.

107,061. COFFEE. Registered November 9, 1915. R. L. GRESHAM, Lancaster, Pa. Renewed November 9, 1935.

107,062. COFFEE. Registered November 9, 1915. R. L. GRESHAM, Lancaster, Pa. Renewed November 9, 1935.

107,310. MILK, CREAM, AND ICE-CREAM. Registered November 23, 1915. BORDEN'S CONDENSED MILK COMPANY, Jersey City, N. J., and New York, N. Y. Renewal November 23, 1935, to Borden's Farm Products Company, Inc., New York, N. Y., a corporation of New York, assignee.

107,341. CERTAIN NAMED FOODS. Registered November 23, 1915. THE INTER-STATE GROCER CO., Joplin, Mo., a corporation of Missouri. Renewed November 23, 1935.

107,355. SOLDERING-FLUX. Registered November 23, 1915. IRVING H. LEMMON, Providence, R. I. Renewed November 23, 1935.

107,497. CIGARS. Registered December 7, 1915. JULIUS C. NEWMAN. Renewed December 7, 1935, to M. & N. Cigar Manufacturers, Inc., Cleveland, Ohio, a corporation of Ohio, assignee.

107,527. FOOD-BEVERAGE COMPOUNDS. Registered December 7, 1915. POSTUM CEREAL CO., LIMITED, Battle Creek, Mich. Renewed December 7, 1935, to Postum Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

107,851. CIGARS. Registered December 28, 1915. THE MEISELMAN CO., Inc. Renewed December 28, 1935, to M. & N. Cigar Manufacturers, Inc., Cleveland, Ohio, a corporation of Ohio, assignee.

107,901. COTTON AND WOOL BATTING. Registered January 4, 1916. CALIFORNIA COTTON MILLS COMPANY, Oakland, Calif., a corporation of California. Renewed January 4, 1936.

107,917. CANNED VEGETABLES. Registered January 4, 1916. THE E-C LEMMON COMPANY. Renewed January 4, 1936, to Lace Products, Inc., Lucedale, Mississippi, a corporation of Mississippi, assignee.

107,918. CANNED VEGETABLES. Registered January 4, 1916. THE K-O LEMMON COMPANY. Renewed January 4, 1936, to Lace Products, Inc., Lucedale, Mississippi, a corporation of Mississippi, assignee.

108,119. OPHTHALMIC MOUNTINGS AND PARTS THEREOF. Registered January 18, 1916. T. A. WILLSON & CO., INC. Renewed January 18, 1936, to Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania, by change of name.

108,210. TOILET SOAPS. Registered January 18, 1916. THE ARMORY JOHNSTON CO., Cincinnati, Ohio, a corporation of Ohio. Renewed January 18, 1936.

108,250. AN OIL COMPOUND FOR USE IN CUTTING AND SHAPING OF METALS AND A RUST-PREVENTIVE. Registered January 25, 1916. E. F. HOUGHTON & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed January 25, 1936.

108,294. A NAIL ENAMEL AND BEAUTIFIER. Registered February 8, 1916. THE GLASO COMPANY, Fort Wayne, Ind. Renewed February 8, 1936, to The Glaso Company, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

108,307. WAGONS, FARM-TRUCKS, AND WAGON RUNNING-GEARS. Registered February 15, 1916. JOHN DEERE PLOW COMPANY OF OMAHA, Omaha, Nebr., a corporation of Illinois. Renewed February 15, 1936.

108,327. CERTAIN NAMED CLOTHING FOR MEN, BOYS, WOMEN, GIRLS, AND BABIES. Registered February 15, 1916. MONTGOMERY WARD & CO., INC., New York, N. Y., Chicago, Ill., Brooklyn, N. Y., Fort Worth, Tex., Kansas City, Mo., and Portland, Oreg. Renewed February 15, 1936, to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois, assignee.

108,548. BOLTS OF WOVEN FABRIC MANUFACTURED FROM WOOL, COTTON, LINEN, OR SILK OR COMBINATIONS THEREOF. Registered February 15, 1916. JOHN CULBERTSON & SONS. Renewed February 15, 1936, to John Culbertson & Sons, Philadelphia, Pa., a firm, assignee.

108,565. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS. Registered February 15, 1916. MERCK & Co., New York, N. Y. Renewed February 15, 1936, to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey, assignee.

108,576. LIQUID PETROLATUM, ALSO KNOWN AS WHITE OIL, FOR CERTAIN NAMED PURPOSES. Registered February 15, 1916. STANDARD OIL COMPANY, Richmond, Calif. Renewed February 15, 1936, to Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif., a corporation of Delaware, assignee.

108,735. CERTAIN NAMED SAWS AND SAW-FITTING TOOLS. Registered February 29, 1916. H. C. AYKINS AND COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed February 29, 1936.

108,980. WHEAT-FLOUR. Registered March 14, 1916. HENNEPIN MILL CO., Minneapolis, Minn. Renewed March 14, 1936, to Hennepin Mill Company, Wilmington, Del., a corporation of Delaware, assignee.

109,101. PASTE PAINT. Registered March 21, 1916. KEYSTONE VARNISH COMPANY. Renewed March 21, 1936, to Keystone Varnish Company, Brooklyn, N. Y., a corporation of New York. Renewed March 21, 1936.

109,105. CERTAIN NAMED CONSTRUCTION MATERIALS. Registered March 28, 1916. BUFFALO WIRE WORKS CO., Buffalo, N. Y., a corporation of New York. Renewed March 28, 1936.

109,106. CERTAIN NAMED CONSTRUCTION MATERIALS. Registered March 28, 1916. BUFFALO WIRE WORKS CO., Buffalo, N. Y., a corporation of New York. Renewed March 28, 1936.

109,208. MASTIC VEHICLE TIRES. Registered March 28, 1916. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed March 28, 1936.

109,236. CITRUS FRUITS. Registered March 28, 1916. STRATHMORE PACKING HOUSE CO., Strathmore, Calif., a corporation of California. Renewed March 28, 1936.

109,238. FACE CLOTHS OR TOWELS AND HANDKERCHIEFS. Registered March 28, 1916. FRANK J. ROWEN, Pawtucket, R. I. Renewed March 28, 1936.

109,267. GLOVES. Registered April 4, 1916. OPPENHEIM, COLLINS & COMPANY, New York, New York, N. Y. Renewed April 4, 1936, to Oppenheim, Collins & Co., Inc., Wilmington, Del., New York, Brooklyn, and Buffalo, N. Y., and Philadelphia, Pa., a corporation of Delaware, successors.

109,295. MEDICINAL TONIC. Registered April 4, 1916. BOERICKE & TAFEL, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Renewed April 4, 1936.

109,420. SALT. Registered April 4, 1916. THE UNION SALT COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed April 4, 1936.

109,453. PASTE PAINTS, SEMIPASTE PAINTS, LIQUID PAINTS, AND VARNISHES. Registered April 11, 1916. THE FOREST CITY PAINT & VARNISH COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed April 11, 1936.

109,461. COFFEE. Registered April 11, 1916. KANSAS CITY WHOLESALE GROCERY COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed April 11, 1936.

109,490. SMOKING-TOBACCO. Registered April 11, 1916. THE SOBRO TOBACCO CO., INC., New York, N. Y., a corporation of New York. Renewed April 11, 1936.

109,527. CERTAIN NAMED EMBALMING DEVICES AND RECEPTACLES FOR SAME. Registered April 11, 1916. THE EMBALMERS SUPPLY CO., Westport, Conn., a corporation of Connecticut. Renewed April 11, 1936.

109,535. WRITING AND WRAPPING PAPER. Registered April 11, 1916. HOLLINGSWORTH & WHITNEY COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed April 11, 1936.

109,539. VARNISH. Registered April 11, 1916. KEYSTONE VARNISH CO., New York, N. Y. Renewed April 11, 1936, to Keystone Varnish Company, Brooklyn, N. Y., a corporation of New York.

109,545. UNDERWEAR—VIZ., MEN'S AND BOYS' UNION SUITS MADE OF TEXTILE OR KNITTED MATERIALS. Registered April 11, 1916. ROBERT REIS & Co., New York, N. Y., a corporation of New York. Renewed April 11, 1936.

109,547. CHILDREN'S AND INFANTS' SHOES OF LEATHER AND COMBINATION OF LEATHER AND FABRICS. SCHOENHUT, ROO. & Co. Renewed April 11, 1936, to Abraham Wehane, Chicago, Ill., assignee.

109,560. PRIMERS AND FILLERS. Registered April 11, 1916. KEYSTONE VARNISH CO., New York, N. Y. Renewed April 11, 1936, to Keystone Varnish Company, Brooklyn, N. Y., a corporation of New York.

109,609. SOAP. Registered April 11, 1916. THE ANDREW JERGENS CO., Cincinnati, Ohio, a corporation of Ohio. Renewed April 11, 1936.

109,672. CUTTING-TORCHES, WELDING-TORCHES, EXPANSION-TANKS, HANDLES FOR CUTTING AND WELDING APPARATUS. K-G WELDING & CUTTING COMPANY, Inc., New York, N. Y., a corporation of Delaware. Renewed April 11, 1936.

109,674. READY-MIXED AND PASTE PAINT. Registered April 11, 1916. KEYSTONE VARNISH CO., New York, N. Y. Renewed April 11, 1936, to Keystone Varnish Company, Brooklyn, N. Y., a corporation of New York.

109,687. A LAXATIVE. Registered April 11, 1916. VITO A. PETRARO, New York, N. Y. Renewed April 11, 1936.

109,721. AN ANTISEPTIC, DISINFECTANT, DEODORIZER, AND BLEACH. Registered April 18, 1916. THE FOOD CHEMICAL CO., Dayton, Ohio. Renewed April 18, 1936, to Hooker Products Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

109,783. SINK, BATH, AND BASIN STOPPERS, PLUGS, BUMPER FORCE CUPS, AND HAND-CUPS. Registered April 18, 1916. SCHACHT RUBBER MFG. CO., Huntington, Ind., a corporation of Indiana. Renewed April 18, 1936.

109,807. SILK UNDERWEAR—VIZ., LADIES' BODICES, CORSET-COVERS, COMBINATIONS, CHEMISE, GOWNS, AND PETTICOATS. Registered April 18, 1916. HARRY A. WILMUS, New York, N. Y. Renewed April 18, 1936.

109,837. SILK PIECE GOODS. Registered April 18, 1916. H. R. MALLINSON & CO. Renewed April 18, 1936, to H. R. Mallinson & Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

109,838. SILK PIECE GOODS. Registered April 18, 1916. H. R. MALLINSON & CO. Renewed April 18, 1936, to H. R. Mallinson & Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

109,863. CHEESE AND BUTTER. Registered April 18, 1916. GALLOWAY-WEST CO. Renewed April 18, 1936, to Galloway-West Company, Inc., Fond du Lac, Wis., a corporation of Delaware, assignee by mesne assignments.

109,947. DOOR-CHECKS AND DOOR-SPRINGS. Registered April 25, 1916. NORTON DOOR CHECK CO., Chicago, Ill. Renewed April 25, 1936, to The Yale & Towne Manufacturing Company, New York, N. Y., a corporation of Connecticut, assignee.

109,970. GRAPE-JUICE. Registered April 25, 1916. THE WELCH GRAPE JUICE COMPANY, Westfield, N. Y., a corporation of New York. Renewed April 25, 1936.

110,078. DENTIFRICES. Registered May 2, 1916. THE PEPSODENT COMPANY. Renewed May 2, 1936, to The Pepsodent Co., Chicago, Ill., a corporation of Illinois, assignee.

110,115. BUTTER. Registered May 2, 1916. BEATRICE CREAMERY COMPANY. Renewed May 2, 1936, to Beatrice Creamery Company, Chicago, Ill., a corporation of Delaware, assignee.

110,152. BOLT AND NUT AND RIVET FORGING MACHINES AND WIRE-NAIL MACHINERY. Registered May 9, 1916. THE NATIONAL MACHINERY CO., Tiffin, Ohio, a corporation of Ohio. Renewed May 9, 1936.

110,188. FERTILIZERS. Registered May 9, 1916. F. S. ROYSTER GUANO CO., Norfolk, Va., a corporation of Virginia. Renewed May 9, 1936.

110,196. ROUGH LUMBER, COMMON LUMBER DRESSED ON ONE SIDE ONLY, AND DRESSED LUMBER. Registered May 9, 1916. ARKANSAS SOFT PINE BUREAU, Little Rock, Arkansas, a voluntary association. Renewed May 9, 1936.

LABELS

REGISTERED JANUARY 7, 1936

46,940.—*Title:* "ITALIAN COOK" AN AMERICAN BRAND. For Salad Oil Which Is a Product Highly Refined from Oil Produced Only from Various Types of Vegetable Seed, and Does Not Contain Olive Oil. ASAHI REFINING CORPORATION, Brooklyn, N. Y. Published December 2, 1935.

46,941.—*Title:* PEACOCK. For Buckwheat and Wheat Flour. ALBERS BROS. MILLING CO., Portland, Oreg., San Francisco, Oakland, Los Angeles, etc., Calif., and Seattle, Wash. Published August 25, 1934.

46,942.—*Title:* VERDENT VALLEY BUTTER. For Butter. M. AUCHINCLOCK & BRO., INC., Newark, N. J. Published November 20, 1935.

46,943.—*Title:* BEECH-NUT HONEY NOUGAT. For Honey Nougats. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published November 21, 1935.

46,944.—*Title:* BEECH-NUT ANISE DROPS. For Anise Drops. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published November 20, 1935.

46,945.—*Title:* BEECH-NUT LIME DROPS. For Lime Drops. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published December 6, 1935.

46,946.—*Title:* OUR FAVORITE. For Salad Dressing. BLUE BIRD SPECIALTY CO., Dallas, Fort Worth, and Houston, Tex. Published December 5, 1935.

46,947.—*Title:* BORDEN'S FERNCREST BRAND FINEST QUALITY GUARANTEED WHITE EGGS. For Eggs. BORDEN'S FARM PRODUCTS COMPANY, INC., New York, N. Y. Published September 9, 1935.

46,948.—*Title:* BURGESS TWIN-SIX LANTERN. For Electric Lanterns. BURGESS BATTERY COMPANY, Freeport, Ill. Published November 28, 1935.

46,949.—*Title:* COLLINGBOURNE'S HEATHER TWEED SPORTS APPAREL WOOL ART. 622 ¼ OZ. COLOR, STYLE, QUALITY. For Apparel Wool for the Making of Wearing Apparel. COLLINGBOURNE MILLS, INC., doing business as Dexter, Collingbourne's Virginia Snow Studios, Japalik Co., and Berkshire & Becket Silk Co., Elgin, Ill. Published August 15, 1933.

46,950.—*Title:* COLLINGBOURNE'S SUPER VALUE MERCERIZED CORDELLE. ART. 850, SIZE 80, 4-PLY. For Mercerized Cordelle. COLLINGBOURNE MILLS, INC., doing business as Collingbourne's Virginia Snow Studios, Japalik Co., and Berkshire & Becket Silk Co., Elgin, Ill. Published October 15, 1935.

46,951.—*Title:* DAIRYLEA SPRAY PROCESS DRIED SKIM MILK. For Skim Milk. DAIRYMEN'S LEAGUE CO-OPERATIVE ASSOCIATION, INC., Utica and New York, N. Y. Published June 15, 1932.

46,952.—*Title:* TO ECONOMIZE GALVANIZE AT ENTERPRISE. For Metalware. ENTERPRISE GALVANIZING COMPANY, Philadelphia, Pa. Published September 14, 1934.

46,953.—*Title:* JOHNSON'S FLOOR VARNISH. For Floor Varnish. S. C. JOHNSON & SON, INC., Racine, Wis. Published November 15, 1935.

46,954.—*Title:* JOHNSON'S PRIMA PRIME. For First Coater Paint. S. C. JOHNSON & SON, INC., Racine, Wis. Published November 15, 1935.

46,955.—*Title:* JOHNSON'S 70 VARNISH. For Varnish. S. C. JOHNSON & SON, INC., Racine, Wis. Published November 15, 1935.

46,956.—*Title:* JOSÉ LOPEZ. For Cigars. JOSÉ LOPEZ, New York, N. Y. Published November 30, 1935.

46,957.—*Title:* TOP ROW. For Whiskey. LOS ANGELES BREWING CO., Los Angeles Calif. Published September 18, 1935.

46,958.—*Title:* MOTHERS HOME MADE BREAD. For Bread. MOTHER'S HOME MADE FOOD, INC., New Orleans, La. Published October 4, 1935.

46,959.—*Title:* UNIVERSAL BATTERY CLIPS. For Battery Clips. MUELLER ELECTRIC COMPANY, Cleveland, Ohio. Published December 1, 1935.

46,960.—*Title:* ONE STAR. For Fresh Oranges. MURPHY RANCH, Whittier, Calif. Published July 17, 1935.

46,961.—*Title:* SUBLIME. For Fresh Lemons. MURPHY RANCH, Whittier, Calif. Published January 1, 1932.

46,962.—*Title:* PINE TAR SHAMPOO. For Pine Tar Shampoo. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published May 14, 1935.

46,963.—*Title:* FOOT POWDER. For Foot Powder. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published May 14, 1935.

46,964.—*Title:* MADAM JONES VEGETABLE COMPOUND. For a Vegetable Compound. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published May 14, 1935.

46,965.—*Title:* VALMOR HEADACHE TABLETS. For Headache Tablets. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published May 14, 1935.

46,966.—*Title:* OLE'S. For Chili Con Carne. OLE'S CHILI PRODUCTS, Chicago, Ill. Published June 15, 1935.

46,967.—*Title:* GAVIOTA, THE ALL SEASON FERTILIZER. For a Fertilizer. PACIFIC GUANO COMPANY, San Francisco, Calif. Published September 25, 1935.

46,968.—*Title:* MELLO-TOAST. For Bread. POLLOCK PAPER & BOX COMPANY, Dallas, Tex. Published July 23, 1935.

46,969.—*Title:* ON-A-DOOR ON-A-CHAIR IN-THE-HOUSE EVERYWHERE. For Basket Ball Paraphernalia. SCHARING, INC., Omaha, Nebr. Published November 30, 1935.

46,970.—*Title:* DOANBROOK. For Blended Whiskey. SIEGFRIED LOEWENTHAL COMPANY, Cleveland, Ohio. Published November 15, 1935.

46,971.—*Title:* 2-X. For Champagne Type Beer. SOUTHERN BREWING COMPANY, Houston, Tex. Published October 2, 1935.

46,972.—*Title:* STANDARD FRESH BOURBON BLEND PURE COFFEE. For Coffee. STANDARD COFFEE COMPANY, INCORPORATED, New Orleans, La. Published May 30, 1935.

46,973.—*Title:* CARDINAL BRAND COFFEE. For Coffee. G. H. WHITEBAU & SONS GROCER CO., St. Louis, Mo. Published October 28, 1935.

PRINTS

REGISTERED JANUARY 7, 1936

15,545.—*Title:* WHERE YOUR DOLLARS ARE BIG DOLLARS. For Radios. BOYLE FURNITURE CO., INC., Ogden, Utah. Published September 30, 1934.

15,546.—*Title:* EATON'S HIGHLAND LINEN WRITING PAPERS. For Writing Paper. EATON PAPER CORPORATION, Pittsfield, Mass. Published October 28, 1935.

15,547.—*Title:* CIRC-AIR. For Tempering Furnaces. INDUSTRIAL HEATING EQUIPMENT COMPANY, Detroit, Mich. Published December 3, 1935.

15,548.—*Title:* DIRECT-READING FREEZEMETER. For Hydrometers. KIMBLE GLASS COMPANY, Vineland, N. J. Published November 19, 1935.

15,549.—*Title:* RED TOP PRIVATE STOCK WHISKEY. For Whiskey. MAJESTIC WINE & LIQUOR CORPORATION, New York, N. Y. Published November 1, 1935.

15,550.—*Title:* RED TOP PRIVATE STOCK WHISKEY. For Whiskey. MAJESTIC WINE & LIQUOR CORPORATION, New York, N. Y. Published November 1, 1935.

15,551.—*Title:* THE IDEAL GIFT . . . . MARKWELL FASTENER. For Fasteners. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Published November 29, 1935.

15,552.—*Title:* NUTRENA, THE EGG-PRODUCING FEED FOR POULTRY. For Poultry Feed. NUTRENA MILLS, INC., Kansas City, Mo. Published November 30, 1935.

15,553.—*Title:* A TRUE STORY OF MY OWN EXPERIENCE. For a Hair Tonic and Scalp Treatment Preparation. GEORGE S. PAUL, doing business as Melo-Chroma Company, Salina, Kans. Published October 17, 1935.

REISSUES

JANUARY 7, 1936

19,294
TREATMENT OF MOTOR FUEL

Wayne L. Benedict, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Original No. 2,014,982, dated September 17, 1935, Serial No. 711,455, February 14, 1934. Application for reissue November 21, 1935, Serial No. 50,626

16 Claims. (Cl. 44—9)

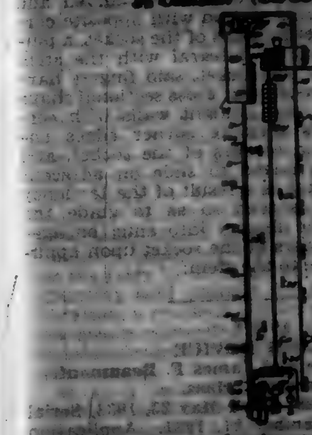
6. Motor fuel comprising cracked gasoline containing a relatively small amount of the reaction product formed by the admixture of a wood tar inhibitor and an alkyl amine.

19,295
ELEVATOR

Charles E. Ellis, Jr., Mishawah, N. J., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois

Original No. 1,979,579, dated November 6, 1934, Serial No. 644,176, November 24, 1932. Application for reissue March 5, 1935, Serial No. 10,662

24 Claims. (Cl. 187—29)



1. In an elevator having a car operable past a plurality of floors, an auxiliary device, a motor for operating the said device in accordance with the movements of the car, means responsive to operation of the car for starting said motor in operation, means responsive to movement of the device a predetermined distance for stopping the motor, and means responsive to a reversing operation of the car for reversing said motor.

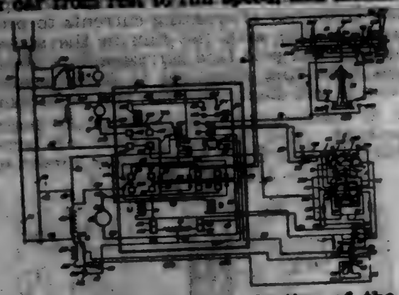
19,296
ELECTRIC ELEVATOR SYSTEM

Graham R. Grosvenor, New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J., a corporation of New Jersey

Original application May 23, 1932, Serial No. 613,604. Divided and application October 1, 1935, Serial No. 43,613, Patent No. 1,982,220, dated June 14, 1937. This application for reissue June 22, 1936, Serial No. 86,269

73 Claims. (Cl. 187—29)

1. An elevator system comprising an elevator car, a plurality of landings including at least one intermediate landing, means for bringing the elevator car from rest to full speed, and means for



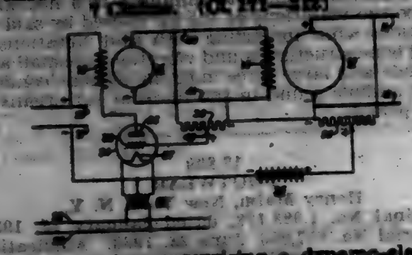
automatically initiating a reduction of the elevator car speed at different distances from any one of said landings.

19,297
REGULATOR COMPENSATOR

Finn H. Gulliksen, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Original No. 1,969,194, dated May 16, 1933, Serial No. 563,532, October 12, 1931. Application for reissue December 27, 1934, Serial No. 759,417

7 Claims. (Cl. 171—252)



1. In a system comprising a dynamo-electric machine, means for supplying an exciting current thereto, and a voltage regulator comprising an electronic tube adapted to control said current and a circuit for impressing upon said tube a control potential determined by the machine voltage, the combination of means for introducing into said control circuit a machine-excitation-determined potential which causes the regulator to impart to the machine a rising voltage-with-load characteristic.

19,298
VIBRATION INSTRUMENT FOR BONE AUDITION

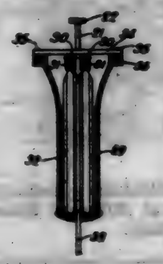
Frederick W. Kranz, Fort Wayne, Ind., assignor, by mesne assignments, to Sonotone Corporation, New York, N. Y., a corporation of New York

Original No. 1,949,752, dated June 9, 1925, Serial No. 622,822, March 29, 1932. Application for reissue July 1, 1932, Serial No. 622,699

1 Claim. (Cl. 179—107)

In a bone audition vibrating apparatus for translating sound-frequency alternating currents into hearing-inducing mechanical vibrations impressed to hearing-inducing bone structure of a

person, a magnetic core structure having a pole face for producing a continuous magnetic field flux concentrated in an air space adjoining said pole face, an elastic diaphragm bar having an intermediate portion disposed adjacent said pole face, means for clamping the ends of said diaphragm bar on the opposite sides of the intermediate portion thereof relatively to said core structure, means including windings for applying sound-frequency alternating currents to produce in combination with the flux in the air space adjoining said pole face corresponding vibratory forces imparting vibrations to the intermediate portion of said diaphragm bar, and contact means



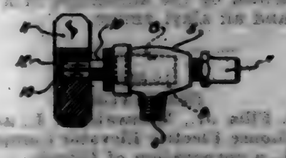
actuated by the intermediate portion of said diaphragm bar for mechanically coupling the intermediate portion of said diaphragm bar to hearing-inducing bone structure of a person and transmitting hearing-inducing vibratory forces to said bone structure, the stiffness of said diaphragm bar being sufficiently large and the area of said diaphragm bar in contact with the air being sufficiently small to minimize to a negligible value the vibrations of the air caused by said vibrations while imparting with said vibrations to said bone structure sound vibrations of small amplitude and large force inducting by bone conduction audible sound in the internal ear organs of the person.

19,809
FOOTWEAR
Henry Malm, New York, N. Y.
Original No. 1,983,123, dated January 15, 1935, Serial No. 677,963, June 28, 1933. Application for reissue March 16, 1935, Serial No. 11,512
6 Claims. (Cl. 36—7.6)



4. A sandal-type half over-shoe including a sole, an upper adapted to cover the sides and toe of a shoe and open in the instep arch area above the sides, an abbreviated shank adapted to cover the lower part of the shoe shank extending rearwardly and upwardly from the sole and integral with the upper, and a single elastic retaining strap spanning the instep space opposite the shank and being integral at its opposite ends with the rear portions of the opposite sides of the upper just rearwardly of the meeting of the shank with the sole, said strap constituting with the corresponding parts of the sides and the shank a circumferentially continuous portion adapted in its upper part to extend only over the forward instep arch area and in its lower part fitting the lower shank area and adjoining side parts of the shoe well forward of the heel.

19,810
GAS COCK
Eugene E. Meany, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Original No. 1,996,154, dated April 2, 1935, Serial No. 733,829, July 5, 1934. Application for reissue November 11, 1935, Serial No. 49,318
4 Claims. (Cl. 251—53)



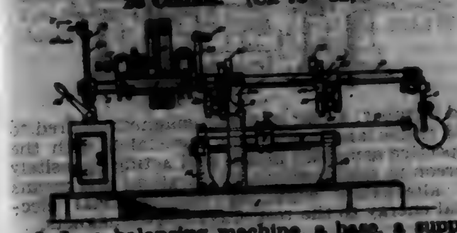
4. In combination with a rotatable member having a stem projecting therefrom and a handle to turn the same, the handle having a socket of non-circular shape and comprising curved and straight walls in cross section with opposite corners defined by meeting walls of the socket, a plurality of spring fingers integral with the stem and insertable into the socket, said fingers having a composite non-circular cross sectional shape comprising curved and straight walls with certain meeting walls forming corner edges engageable in the said corners of the socket, and having surfaces arranged to slide on adjacent surfaces of the socket as a result of the tendency of said fingers to spread so as to guide the corner edges of the fingers into snug engagement with said corners of the socket upon application of the handle to the stem.

19,811
MIXING DEVICE
George D. Moore and James F. Beaumont, Worcester, Mass.
Original No. 1,919,929, dated May 23, 1933, Serial No. 542,994, September 21, 1931. Application for reissue March 23, 1935, Serial No. 12,724
5 Claims. (Cl. 48—180)



1. An attachment for a carburetor comprising a conduit extending from the carburetor into the intake manifold, said conduit having an annular transverse flat flange at the end thereof extending inwardly substantially at right angles with the axis of said conduit, a lining for the conduit spaced inwardly from the wall thereof and extending at the end nearly but not quite to said flange, and means for introducing external air into the conduit behind the lining, whereby the flange will project the air current radially inwardly into the air-and-fuel stream and force the air to be mixed with the fuel mixture passing through the conduit.

19,812
BALANCING MACHINE
Amos F. Mayer, Minneapolis, Minn., and Francis T. MacDonough, deceased, late of Madison, Wis., by Precision Balancing Machine Company, East Claire, Wis., assignee, by mesne assignments
Original No. 1,812,353, dated June 30, 1931, Serial No. 710,595, May 2, 1924. Renewed October 21, 1927. Application for reissue February 5, 1932, Serial No. 591,996½
26 Claims. (Cl. 73—51)



1. In a balancing machine, a base, a support connected to said base to oscillate and to revolvably carry, a test body, means to rotate the body, retaining means on said support, means mounted on said base for exerting pressure on said retaining means and for gradually releasing said pressure, and resilient frictional means interposed between said retaining means and pressure exerting means, whereby said support may be frictionally retained against oscillation, or said friction may be gradually reduced to permit said support to oscillate while said body is rotating.

4. In a balancing machine, an oscillatable support for a revolving test body, a graduated oscillation amplitude indicator, means including a frictionless element operatively connecting said indicator to said support, and means for adjusting a connection relative to said frictionless element operative to vary the ratio between the oscillatory movements of said support and the movements shown by said indicator.

9. In a balancing machine, a base, a support for the body to be balanced, means on said base mounting said support for substantially pivotal vibration, a resilient cantilever on said base, flexible means connected to said cantilever, and adjustable means connecting said flexible means and said support.

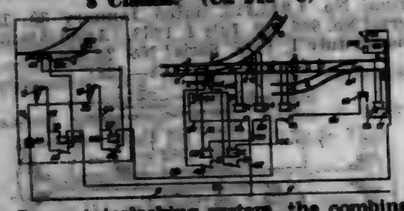
24. In a balancing machine, a frame for rotatably supporting a test body and mounted for vibration about a pivot, a headstock with a revolvable shaft having means for applying balancing correction and mounted on said frame coaxially with the test body, and flexible means for applying tangential forces between said shaft and said test body whereby said body may be revolved by said shaft.

19,813
CAKE PLATE
Erich O. Stendel, Chicago, Ill.
Original No. 1,979,811, dated November 6, 1934, Serial No. 643,644, November 21, 1932. Application for reissue June 29, 1935, Serial No. 29,694
9 Claims. (Cl. 65—15)



1. A device of the kind described comprised of a plate, said plate having a portion between its center and edge formed to provide a substantially endless projection extending laterally of the plane of one side of said plate, said plate being formed to provide a plurality of projections extending laterally of the plane of the other side of said plate which are of a length to provide supports for said plate, the material surrounding said plurality of projections being in the same plane.

19,814
INTERLOCKING SYSTEM FOR RAILROADS
Sedgwick N. Wight, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Original No. 1,894,181, dated September 22, 1931, Serial No. 379,176, July 18, 1929. Application for reissue September 9, 1933, Serial No. 692,437
8 Claims. (Cl. 246—3)



2. In an interlocking system, the combination with a plurality of levers in an interlocking tower free to be moved to any position at any time, a traffic controlling device for each lever controlled by such lever and located at a distant way station, a circuit controlled by one of said levers for controlling a particular traffic controlling device including contacts controlled by other and conflicting traffic controlling devices closed only when such other conflicting traffic controlling devices are in their non-conflicting positions, and means included in series in said circuit at a point in said interlocking tower for indicating at said tower the flow of current through said particular traffic controlling device and thereby indicating if any of said conflicting traffic controlling devices are in a conflicting position.

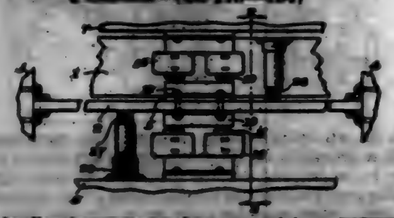
19,815
INTERCHANGEABLE CONTAINER FREIGHT CAR
Graham C. Woodruff, Bronxville, N. Y., assignor to The I. C. L. Corporation, a corporation of Delaware
Original No. 1,754,451, dated April 15, 1930, Serial No. 272,471, April 24, 1928. Application for reissue April 12, 1932, Serial No. 605,104
8 Claims. (Cl. 105—366)



6. In a car of the class described, the combination with a car underframe, of a plurality of bulkheads extending from side to side of the underframe and dividing the car into a plurality of container compartments, each open at its ends to form doorways at opposite sides of the car, posts extending upwardly at the sides of the underframe and connected to and forming stiffening members for the ends of the bulkheads and also forming jambs at the opposite sides of the door-

ways, swinging side sections at opposite sides of the car forming doors for closing the doorways, said sections being hinged at their lower edges to swing upwardly between the posts and downwardly flush with the floors of the compartments to serve as gangways at an elevation to allow a container lift truck to travel over a let down side section onto the bottom of a container compartment beneath the bottom of a container therein, and coacting locking means on the side sections and posts to lock the side sections in closed position.

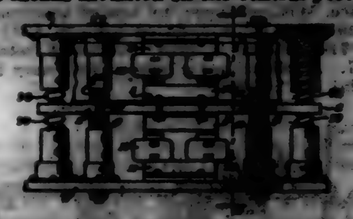
19,816
ELECTROMAGNETIC VIBRATING APPARATUS
Hugh E. Warrbach and Clyde H. Kenald, Magna, Utah
Original No. 1,945,015, dated January 30, 1934, Serial No. 620,348, July 1, 1932. Application for reissue July 1, 1935, Serial No. 29,266
4 Claims. (Cl. 172—126)



1. A vibratory apparatus comprising: a frame; an elongated resilient vibratory member mounted on said frame at its ends so as to permit vibration of the intermediate portion of said member in a direction perpendicular to the length thereof; operated means secured to said intermediate portion of said vibratory member; two separate non-polarized armature means mounted on said intermediate portion of said vibratory member at opposite sides of said member in the direction of vibration thereof; a pair of electromagnets secured to said frame and operatively associated with the respective armature means and acting oppositely thereon in said direction of vibration; and means for alternately supplying unidirectional energy to the respective electromagnets.

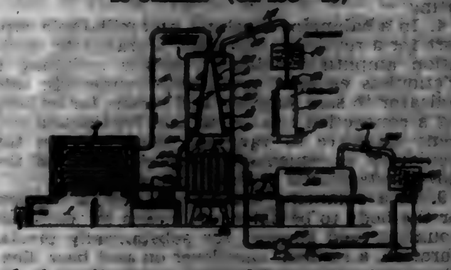
19,817
ELECTROMAGNETIC VIBRATING APPARATUS
Hugh E. Warrbach and Clyde H. Kenald, Magna, Utah
Original No. 1,945,015, dated January 30, 1934, Serial No. 620,348, July 1, 1932. Reissue No. 19,816, dated January 7, 1936, Serial No. 29,266, July 1, 1935. Divided and this application for reissue October 7, 1935, Serial No. 45,892
2 Claims. (Cl. 172—126)

1. A vibratory apparatus comprising: a frame structure; an elongated rigid vibratory member resiliently disposed on said frame structure and adapted for vibratory motion in a direction transverse to the length thereof, said vibratory member being resiliently engaged by resilient supporting means secured to said frame structure at opposite sides of the central portion of said vibratory member; two separate non-polarized armature means mounted on the central portion of



said member; a pair of electromagnets secured to said frame and operatively associated with the respective armature means and acting oppositely thereon in said direction of vibration; and means for alternately supplying unidirectional electrical energy to the respective electromagnets.

19,818
PROCESS FOR TREATING HYDROCARBONS
Lester Kirschbraun, Lincoln, N. J., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Original No. 1,924,215, dated September 26, 1933, Serial No. 550,943, November 1, 1922. Renewed November 25, 1930. Application for reissue September 15, 1933, Serial No. 692,572
19 Claims. (Cl. 196—49)



1. A continuous process for cracking hydrocarbon oil, consisting in raising the oil to a cracking temperature while flowing in a restricted stream through a heating zone, in delivering the heated oil to an enlarged reaction zone, through which the oil is caused to flow downwardly and undergo substantial vaporization, in causing vapors released from the oil during the downward flow of the oil to rise in an annular stream through said reaction zone, while out of contact with the downflowing oil, in collecting condensate separated from the vapors rising in said annular stream and in removing the same from said reaction zone, without permitting the same to contact with unvaporized oil therein, and in returning such condensate to said heating zone, in taking off uncondensed vapors from said reaction zone and in subjecting the same to condensation, and in collecting the resulting distillate;

PATENTS
GRANTED JANUARY 7, 1936

2,026,516
TONG
John B. Clermont and Richard K. Hertel, Los Angeles, Calif., assignors to Byron-Jackson Co., Los Angeles, Calif., a corporation of Delaware
Application April 26, 1934, Serial No. 723,736
5 Claims. (Cl. 81—99)



1. A pipe tong comprising a handle having a head rigid therewith, said head having a pair of oppositely disposed prongs forming a constantly open receiving socket for receiving the pipe, an arcuate jaw pivoted to one prong, having two bearing points for engaging the pipe separated from each other circumferentially, and engaging the side of the pipe on the pivot side of a diametrical line through the pipe, the opposite prong having a smooth wedge face inclined so as to engage the pipe with a wedging action when the handle is swung forward, spring means for urging the outer bearing point of the jaw against the pipe, and a stop engaged by the arcuate jaw and cooperating with the spring means to hold the arcuate jaw in a position to maintain the receiving socket open.

2,026,517
ANTIOXIDANT
Albert M. Clifford, [illegible], Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 11, 1932, Serial No. 598,201
12 Claims. (Cl. 12—33)

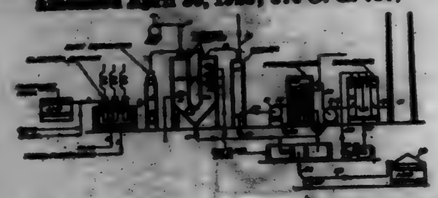
1. A method of preserving rubber which comprises treating the same with the reaction product of an amino derivative of a diphenylene oxide and an aliphatic aldehyde.

2,026,518
TRIGGER MOTOR
Richard C. Overstreet, United States Army, Norfolk, Va.
Application October 4, 1934, Serial No. 744,631
2 Claims. (Cl. 81—57)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



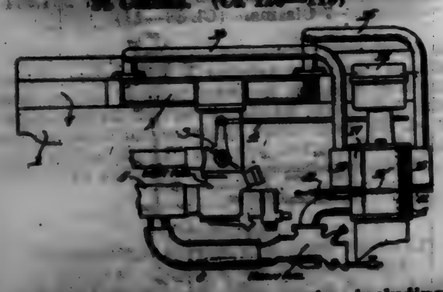
1. In a trigger motor, a housing, a guide in one end of the housing, a plunger in the housing comprising a bolt and a nut threaded thereon, the bolt slidably and non-rotatably mounted in the guide, a spring normally urging the plunger in one direction, a cable connected to the bolt and adapted to retract the plunger, a bell-crank lever pivotally mounted in the other end of the housing, a link having a relatively rotatable connection with the nut and a pivotal and sliding connection with the lever, a trigger pivotally carried by the lever, a spring carried by the lever and normally moving the trigger away from the lever, and means for limiting movement of the trigger under action of its spring.

2,026,519
APPARATUS FOR MAKING PHOSPHORIC ACID
Harry A. Curtis, Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala., a corporation
Application May 15, 1935, Serial No. 21,564
5 Claims. (Cl. 23—163)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An apparatus for the combined oxidation and hydration of elemental phosphorus comprising the combination of a combined oxidizer-hydrator comprising an enclosed U-shaped chamber, a burner at top of one column of chamber, means for maintaining aqueous spray throughout the lower portion of said column of chamber, means for maintaining aqueous spray thruout the other column of the chamber; a vapor line from top of last mentioned column of the U-shaped chamber to top of vertical cooling chamber; a vertical cooling chamber with means for admitting air at top; means for propelling vapors thru the oxidizer-hydrator and vapor cooler so that a pressure, substantially equal to the prevailing atmospheric pressure, is maintained at the vapor outlet of the furnace; and means for withdrawing liquid separating from the bottom of the oxidizer-hydrator and vapor cooler, respectively.

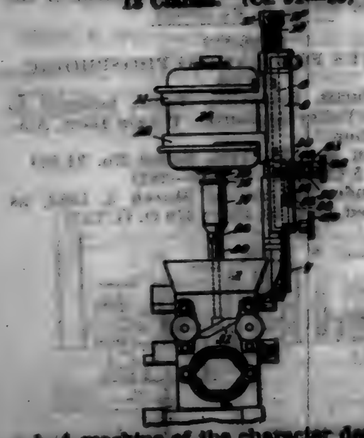
2,026,520
INTERNAL COMBUSTION ENGINE
Joseph Roy Davis, Clarksburg, W. Va.
Application July 3, 1929, Serial No. 376,311
24 Claims. (Cl. 123—119)



1. An internal combustion engine including a cylinder, an admission manifold, a throttle valve, a valve for controlling the admission of gases from

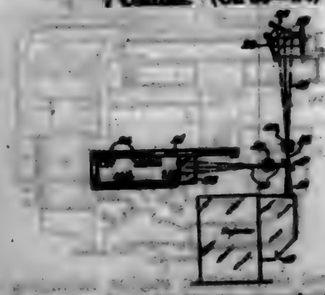
the manifold to the cylinder, and means for causing a controllable quantity of the gases in the admission manifold to flow away from the cylinder.

2,026,521
MACHINE FOR COATING STRIPS OF LUMBER
Irvin F. Dittmar, Williamsport, Pa., assignor to The Cremar Co., Williamsport, Pa., a corporation of Pennsylvania
Application December 7, 1929, Serial No. 324,250
Renewed December 12, 1934
13 Claims. (Cl. 91—46)



1. A machine of the character described comprising a receptacle for applying semi-liquid to a strip in its passage therethrough, a shaft rigidly supported and extending up above the receptacle, a frame oscillating on said shaft, brackets carried by the frame and extending inwardly over the receptacle, a motor mounted on said brackets and having its shaft extending into the receptacle, a pressure member carried by the lower end of the shaft, an arm rigidly carried by the rigidly supported shaft and extending outwardly beyond the frame, a hand screw carried by the outer end of the arm and screwed into a pivoted member carried by the frame whereby the frame can be swung on the shaft for moving the pressure member to or from the strip in its passage through the receptacle.

2,026,522
STOCK QUOTATION PROJECTING DEVICE
August D. Stiess, New York, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York
Application April 16, 1929, Serial No. 354,934
7 Claims. (Cl. 88—24)



1. In a stock quotation projecting machine having a ticker adapted to mark and discharge tape with reading matter readable longitudinally of the tape, the combination with a pair of independent and separated elongated narrow daylight display screens, of a projecting device removed from said screens through which device the marked tape passes, said device including a source of light, and elongated light aperture along which the tape passes to receive the light rays from said source of light and form images of the markings on said tape, means for splitting said light rays into two subordinate beams after passing through said tape, and sets of reflectors so arranged as to direct said last-named beams toward and onto said screens respectively so as to produce erect and unreversed images on each screen movable and readable longitudinally of such screen.

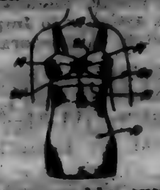
2,026,523
APPARATUS FOR PACKING
Fred G. Fear, Hillside, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application October 22, 1930, Serial No. 490,681
2 Claims. (Cl. 226—82)



2. In a vacuumizing and closing machine for filled friction top containers, the combination of concentric heads or chucks, the outer head being hollow and annular and having means for engaging the top edge of the container body and forming a vacuum chamber in conjunction therewith, said outer head having a perforated neck and shaft bearing, means for engaging said neck, means for reciprocating said engaging means to lift the head or to apply the same to the container edge with a sealing pressure, a pressure shaft slidably mounted in said bearing and tightly fitting within said neck and fixed to the inner head, and an exhaust pipe for withdrawing air from within the outer head, said shaft being movable to actuate the inner head to apply a sealing friction cover to the exhausted container body.

2,026,524
GARMENT
Maude C. Fitzhugh, Los Angeles, Calif.
Application September 18, 1933, Serial No. 689,990
2 Claims. (Cl. 2—39)

1. In an undergarment, the combination of: a body garment adapted to encircle the torso of the wearer; and a brassière comprising joined bust-receiving portions and a band at the lower edge of said brassière, said band being adapted to lie in close contact with the body of the wearer immediately beneath the bust; the upper front of the body garment being attached to the brassière above the said band and between the bust-receiving portions, in movably overlapping relation, whereby the band of said brassière may move with the body and relatively to said body garment.



2,026,525
BOTTLE CARRIER
Charles Korte, Teaneck, N. J., assignor to Lowe Paper Company, Ridgefield, N. J., a corporation of New Jersey
Application June 16, 1931, Serial No. 544,794
11 Claims. (Cl. 229—15)



1. A combined display and carrier receptacle comprising a relatively long oblong body of sheet material folded on transverse lines equally spaced from the ends thereof, the material between said lines forming the bottom of the receptacle, and the remaining two portions of the material forming front and rear walls for the receptacle, and another oblong body of sheet material encircling and attached to one of said walls and cooperating with the same to provide end walls for the receptacle and forming an open top receptacle having extended front and rear walls, said front wall having two transverse scores therein, permitting the same to be folded downwardly and under the bottom of the receptacle to display the contents of the receptacle.

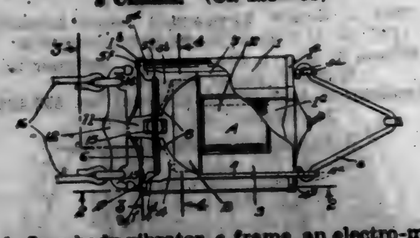
2,026,526
PRETZEL FORMING MACHINE
Harrison S. Gipe, York, Pa., assignor to Quinlan Pretzel Co. Inc., Reading, Pa., a corporation of Pennsylvania
Application June 21, 1933, Serial No. 676,855
18 Claims. (Cl. 107—8)

1. In a pretzel forming machine, a forming unit comprising a base plate, means carried by the base plate to pick up and support a dough string in inverted U-form, a twister unit positioned to engage the depending ends of the supported U-form, means to move the unit as an entirety, means incident upon the movement to rotate the twister unit, means further actuated by the movement of the unit to fold the twister member to bring the free ends of the dough string into engagement with the bow of the U, and means to pretrim the ends of the dough string



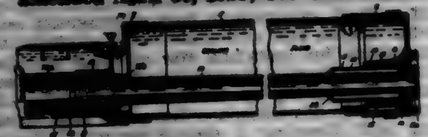
to proper length to coincide with the U part when so engaged.

2,026,527
BODY VIBRATOR
Robert R. Gossett, Los Angeles, Calif.
Application June 25, 1932, Serial No. 619,195
Renewed March 25, 1935
5 Claims. (Cl. 128—63)



1. In a body vibrator, a frame, an electro-magnet mounted at one end thereof, a laminated leaf spring mounted at the opposite end thereof and supported at its ends on said frame, an armature operatively mounted on said spring and positioned between said electro-magnet and said spring, a support for said armature secured to said spring and extending past said frame and provided with a bifurcated end, and a strap secured to the bifurcated end of said support.

2,026,528
PACKED JOINT FOR GUNS
Samuel G. Green, Gray, Ga.
Application November 23, 1931, Serial No. 576,819
5 Claims. (Cl. 89—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. A sleeve for fluid cooled reciprocating gun barrels embodying a tubular member, inturned ends on the tubular member adapted to engage a gun barrel, and ports spaced about the sleeve and inclined at an angle other than 90° to the longitudinal axis of the gun barrel, the inclination of all ports being in the same direction.

2,026,529
COMBINED INK WELL AND BOTTLE
Carey G. Gregory, Los Angeles, Calif.
Application May 28, 1934, Serial No. 728,026
15 Claims. (Cl. 120—59)

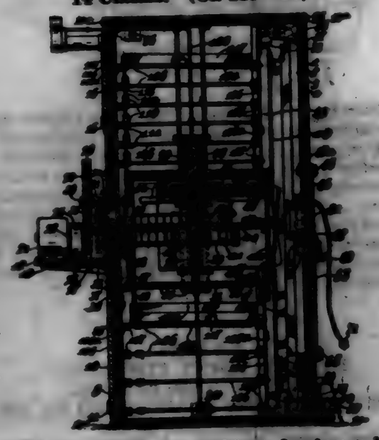
1. In a device of the class described, a container forming an ink receiver, a pen receiving

reservoir constituted by a tubular member extending at an acute angle to the base of said receiver and projecting through one wall of said receiver, and a main reservoir for ink mounted



in inverted position in said container and maintained in a predetermined position above the bottom of said container by abutment with the inclined wall of said pen receiving reservoir.

2,026,530
INCUBATOR
Wilson T. Hager, Erwinna, Pa., assignor to Willet V. Hager, Erwinna, Pa.
Application July 22, 1931, Serial No. 552,426
14 Claims. (Cl. 119—37)

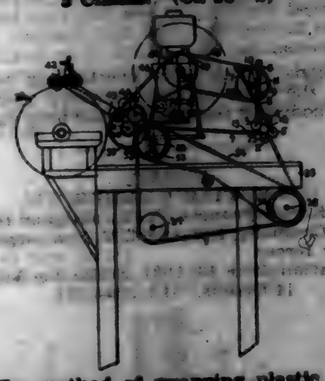


1. In an incubator, a cabinet having a hatching space with means therein for supporting egg trays in tiers, said cabinet having intake air vents at the bottom and outlet air vents adjacent the top, means for agitating the air and directing it from the back to the front of the cabinet, and means for causing an undulating course of the air centrally of said space from the back to the front and directing it centrifugally to all portions of the hatching space and maintaining a uniform distribution thereof.

2,026,531
PROPELLENT POWDER
George C. Hale and Donald R. Cameron, Dover, N. J.
No Drawing. Application March 29, 1934, Serial No. 716,515
2 Claims. (Cl. 52—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

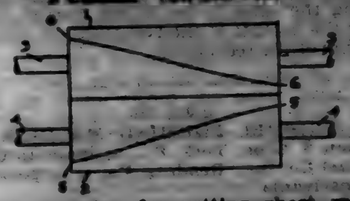
1. A propellent powder consisting of nitrocellulose, trinitrotoluene and triacetin two to ten per cent.

2,026,532
METHOD AND APPARATUS FOR WRAPPING CYLINDRICAL ARTICLES
Albertus Hendrik Haupt, Somerset West, Union of South Africa, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application March 31, 1934, Serial No. 718,496
In Great Britain April 1, 1933
5 Claims. (Cl. 93—8)



1. The method of wrapping plastic explosive material which comprises arranging the material in a longitudinally extended series of individual cylinders with the cylinders spaced the one from the other, and with individual wrapping sheets interspersed among the cylinders, feeding the thus-arranged assembly forward and arresting the forward travel of each cylinder in turn, confining the cylinder and imparting rotation thereto, feeding the wrapping sheet that is immediately behind such cylinder into contact with the under side thereof, turning the edge of such sheet upward about such cylinder and into confinement therewith, and continuing the rotation of such cylinder while so confined until it is wrapped.

2,026,533
APPARATUS FOR CUTTING PAPER OR OTHER MATERIAL
Albertus Hendrik Haupt, Somerset West, Union of South Africa, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application August 7, 1934, Serial No. 739,630
In Great Britain August 12, 1933
5 Claims. (Cl. 164—68)



4. An apparatus for cutting sheet material obliquely into pieces of predetermined length, which comprises a pair of rotatable axially parallel cylinders, the first of which is provided with a peripheral, helical knife the angle of inclination of which is equal to the angle at which it is desired to cut said paper, while the second of said cylinders is provided with a cooperating, peripheral, helical knife the angle of inclination of which is slightly greater than that of the helical knife of the first cylinder, the cooperation of the respective helical knives being such that rotation

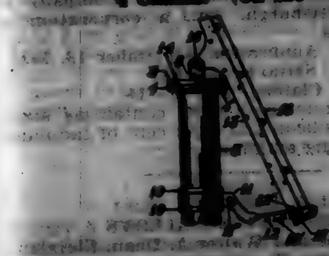
imparted directly to the first cylinder causes the second cylinder to rotate at a slightly greater speed.

1,984,134
TRUCK
William C. Hedgcock, Wilmette, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 31, 1931, Serial No. 553,185
12 Claims. (Cl. 105—182)



1. In a car truck, the combination of a side frame having a bolster opening, and having pedestals spaced to guide a journal box therebetween, a journal box disposed between said pedestals and having spring seats thereon below the journal box collar, spring seats on said side frame adjacent said pedestals and substantially at axle level, springs between said journal box and side frame and disposed on opposite sides of said journal box, a bolster extending into said bolster opening, and springs supporting said bolster on said side frame, said last named springs having a different period of oscillation from said first named springs.

2,026,535
LADDER MOUNT
Thomas Hooker, Wilmington, Del.
Application April 1, 1932, Serial No. 602,995
4 Claims. (Cl. 280—6)



1. A ladder mount comprising a circular supporting column, a sleeve rotatably mounted on said column, a ladder pivotally secured to said rotatable sleeve, and means for removably securing the lower end of said ladder to said column, said means comprising a collar, means for limiting the raising and lowering of said collar without restricting its rotative movement, and rigid means for connecting the ladder to the collar.

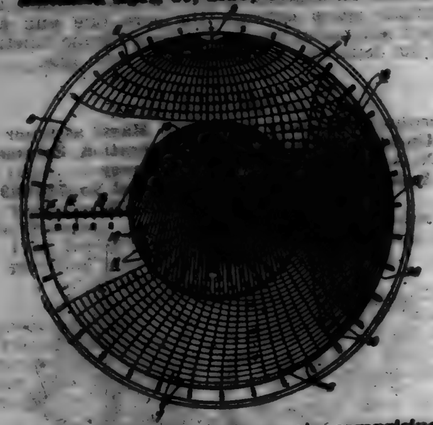
2,026,536
HANDLE FOR PAILS
John M. Rothensall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 2, 1934, Serial No. 713,538
3 Claims. (Cl. 220—57)

2. A handle for pails, comprising a curved wire bail and a sheet metal hand guard substantially conforming in curvature to the bail and having a portion disposed beneath the latter for the entire length of the guard, the side edges of the guard intermediate its end portions being rolled into upwardly and inwardly extending beads to reenforce the bail and the guard against deformation during use, the end portions of said beads



merging into portions engaging the top of the bail to secure the bail and guard together.

2,026,537
NAVIGATIONAL INSTRUMENT
Henry M. Jessen, United States Navy
Application December 16, 1932, Serial No. 647,712
6 Claims. (Cl. 72—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

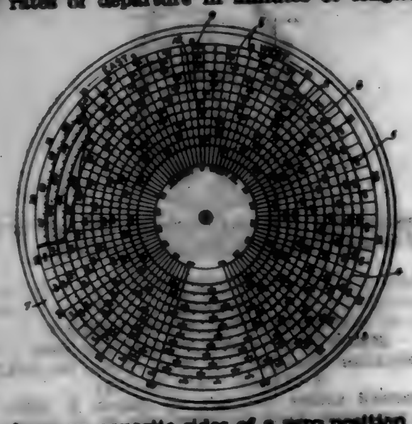


3. A navigational instrument, comprising a base and a transparent disk rotatably mounted thereon, there being on said disk a compass rose and on said base a plurality of convergent lines spaced at equal angles from each other with the medial one passing through the axis of said disk, a plurality of spirally disposed lines about said axis intersecting said convergent lines and a plurality of lines spaced at equal angles radiating from said axis, the said rose and three sets of lines being conjointly usable to determine the wind direction and wind velocity when the air speeds and the angles of drift on two different courses flown are known.

2,026,538
NOON INTERVAL CALCULATOR
Henry M. Jessen, United States Navy
Application June 6, 1934, Serial No. 729,258
3 Claims. (Cl. 235—84)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

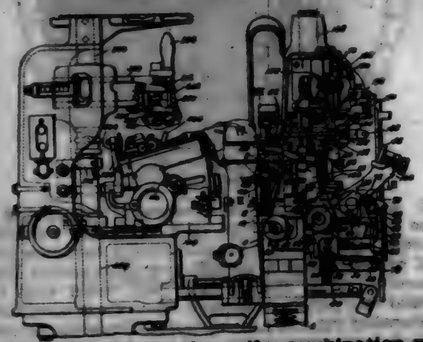
1. A computing instrument, comprising a base having thereon a spiral graduated in logarithmic angular intervals that represent local apparent hour angles at intervals of 1 minute and subdivided into intervals of 5 seconds, the linear distances between any two adjacent like unit division marks being substantially constant, and

a transparent disk rotatably mounted on said base with its center at the origin of the spiral, said disk bearing spaced radial lines representing rates of departure in minutes of longitude



per hour on opposite sides of a zero position, the angular space between the zero line and any other said radial line being a logarithmic function of the departure represented by such line.

2,026,539
LASTING MACHINE
Bernhardt Jorgensen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 5, 1934, Serial No. 714,669
28 Claims. (Cl. 12—12)



1. In a lasting machine, the combination with toe-lasting mechanism, of a support for a last and shoe movable in directions lengthwise of the shoe, clamping means arranged to engage the heel-end face of the shoe and to determine by such engagement the position of the toe-end face of the last relatively to the toe-lasting mechanism, a spring for moving said support to carry the last and shoe toward said clamping means, and mechanism for holding said support initially retracted against the resistance of said spring and for releasing it to the action of the spring.

2,026,540
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 18, 1933, Serial No. 689,677
1 Claim. (Cl. 75—1)

An aluminum base alloy containing from about 4 to 12 per cent of copper, from about 0.05 to 1.5 per cent of cadmium, and between about 0.1 and 10 per cent of lead, 0.05 and 1.5 per cent of bismuth, and 0.05 and 2 per cent of thallium, the balance being aluminum.

2,026,541
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 18, 1933, Serial No. 689,679
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 0.5 to 4 per cent of magnesium, from about 0.5 to 4 per cent of silicon, and from about 1 to 4 per cent each of lead and bismuth, the balance being aluminum.

2,026,542
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 18, 1933, Serial No. 689,680
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing about 12 per cent of silicon, and about 4 per cent of lead, the balance being aluminum.

2,026,543
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 18, 1933, Serial No. 689,681
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing about 12 per cent of silicon and 4 per cent of cadmium, the balance being aluminum.

2,026,544
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 18, 1933, Serial No. 689,682
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing about 12.5 per cent of silicon, 0.2 per cent of nickel, 1.15 per cent of magnesium, 0.5 per cent of copper, and 3 per cent of lead, the balance being aluminum.

2,026,545
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 18, 1933, Serial No. 689,683
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing about 9.5 per cent of zinc, 2.5 per cent of copper, 1.5 per cent of magnesium, 0.5 per cent of manganese, and 4 per cent of lead, the balance being aluminum.

2,026,546
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 18, 1933, Serial No. 689,684
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing about 1 per cent each of bismuth and thallium, the balance being aluminum.

2,026,547
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 18, 1933, Serial No. 689,685
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing about 6.0 per cent of copper, about 0.1 per cent of tin and about 1.0 per cent of lead, the balance being aluminum.

2,026,548
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 18, 1933, Serial No. 689,687
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 2 to about 7 per cent of copper, from about 0.2 to 2 per cent of magnesium, from about 0.1 to about 1 per cent of manganese, from about 0.1 to about 10 per cent of lead, and from about 0.05 to about 10 per cent of bismuth, the balance being aluminum.

2,026,549
FREE CUTTING ALLOYS
Walter A. Dean and Charles G. Jancura, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 18, 1933, Serial No. 689,688
2 Claims. (Cl. 75—1)

1. An aluminum-copper alloy containing from about 2 per cent to about 12 per cent of copper and from about 0.05 per cent to 10 per cent of lead, the balance being aluminum.

2,026,550
FREE CUTTING ALLOYS
Walter A. Dean and Charles G. Jancura, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 18, 1933, Serial No. 689,689
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing about 4.4 per cent of copper, about 0.5 per cent of silicon, about 0.6 per cent of manganese and about 2.8 per cent of lead, the balance being aluminum.

2,026,551
FREE CUTTING ALLOYS
William L. Fink, Oakmont, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 18, 1933, Serial No. 689,691
2 Claims. (Cl. 75—1)

1. An aluminum-copper alloy containing from about 5 per cent to about 12 per cent of copper and between about 0.05 per cent and 1.5 per cent of cadmium, the balance being aluminum.

2,026,552
FREE CUTTING ALLOYS
Howard L. Hopkins, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,690. Divided and this application October 13, 1934, Serial No. 748,214
4 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 3 to 5.5 per cent of copper, from about 0.25 to 1.5 per cent of manganese, from about 0.25 to 2 per cent of silicon, and a total of between about 0.05 and 1.5 per cent of the free machining elements bismuth and cadmium, the balance being aluminum.

2,026,553
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,677. Divided and this application May 3, 1935, Serial No. 19,696
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 4 per cent to about 12 per cent of copper, from about 0.05 per cent to 1.5 per cent of cadmium, and from about 0.05 per cent to about 1.5 per cent of bismuth, the balance being aluminum.

2,026,554
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,677. Divided and this application May 3, 1935, Serial No. 19,695
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 4 per cent to about 12 per cent of copper, from about 0.05 per cent to 1.5 per cent of cadmium and from about 0.1 per cent to 10 per cent lead, the balance being aluminum.

2,026,555
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,677. Divided and this application May 3, 1935, Serial No. 19,696
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 4 to 12 per cent of copper, from about 0.05

to 1.5 per cent of cadmium, from about 0.1 to 10 per cent of lead, and from about 0.05 to 1.5 per cent of bismuth, the balance being aluminum.

2,026,536
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 13, 1932, Serial No. 633,806. Divided and this application May 3, 1935, Serial No. 19,697
4 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 3 to 15 per cent of silicon, from about 1.5 to 6 per cent of cadmium and from about 0.05 to 10 per cent of lead, the balance being aluminum.

2,026,537
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 3, 1935, Serial No. 19,624
4 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 3 to 15 per cent of silicon, from about 0.05 to 10 per cent of lead and from about 1.5 to 6 per cent of bismuth, the balance being aluminum.

2,026,538
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 3, 1935, Serial No. 19,669
4 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 3 to 15 per cent of silicon, from about 0.05 to 10 per cent of lead, at least about 1.5 per cent of cadmium and at least about 1.5 per cent of bismuth, the total amount of cadmium and bismuth being between 3 and 10 per cent, the balance being aluminum.

2,026,539
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 3, 1935, Serial No. 19,616
4 Claims. (Cl. 75—1)

1. An aluminum base alloy containing about 3 to 15 per cent of silicon, about 0.1 to 5 per cent of copper, about 0.1 to 1.5 per cent of magnesium and about 0.05 to 10 per cent of lead, the balance being aluminum.

2,026,540
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 3, 1935, Serial No. 19,611
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing about 3 to 15 per cent of silicon, about 0.1 to 5 per cent of copper, about 0.1 to 1.5 per cent of magnesium and about 1.5 to 6 per cent of bismuth, the balance being aluminum.

2,026,541
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 3, 1935, Serial No. 19,615
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing about 3 to 15 per cent of silicon, about 0.1 to 5 per cent of copper, about 0.1 to 1.5 per cent of magnesium and about 1.5 to 6 per cent of cadmium, the balance being aluminum.

2,026,542
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 3, 1935, Serial No. 19,613
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing about 3 to 15 per cent of silicon, about 0.1 to 5 per cent of copper, about 0.1 to 1.5 per cent of magnesium, about 0.05 to 10 per cent of lead and about 1.5 to 6 per cent of bismuth, the total amount of lead and bismuth not exceeding 10 per cent, the balance being aluminum.

2,026,543
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 3, 1935, Serial No. 19,614
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing about 3 to 15 per cent of silicon, about 0.1 to 5 per cent of copper, about 0.1 to 1.5 per cent of magnesium, about 0.05 to 10 per cent of lead and about 1.5 to 6 per cent of cadmium, the total amount of lead and cadmium not exceeding 10 per cent, the balance being aluminum.

2,026,544
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 3, 1935, Serial No. 19,615
2 Claims. (Cl. 75—1)

1. An aluminum base alloy containing about 3 to 15 per cent of silicon, about 0.1 to 5 per cent of copper, about 0.1 to 1.5 per cent of magnesium, about 1.5 to 6 per cent of bismuth, and about 1.5 to 6 per cent of cadmium, the total amount of cadmium and bismuth being not in excess of 10 per cent, the balance being aluminum.

2,026,545
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,231. Divided and this application May 3, 1935, Serial No. 19,617
4 Claims. (Cl. 75—1)

1. An aluminum base alloy containing about 12 per cent of silicon, 2 per cent of cadmium and 2 per cent of bismuth, the balance being aluminum.

2,026,547
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,232. Divided and this application May 3, 1935, Serial No. 19,618
5 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 7 to 15 per cent of silicon, from about 0.3 to 4 per cent of copper, from about 0.3 to 3 per cent of magnesium, from about 0.3 to 7 per cent of nickel, at least 0.1 per cent of lead and at least about 0.1 per cent of bismuth, the total amount of lead and bismuth being not over about 6 per cent, the balance being aluminum.

2,026,548
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,232. Divided and this application May 3, 1935, Serial No. 19,618
4 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 7 to 15 per cent of silicon, from about 0.3 to 4 per cent of copper, from about 0.3 to 3 per cent of magnesium, from about 0.3 to 7 per cent of nickel, from about 0.3 to 4 per cent of copper, from about 0.3 to 3 per cent of magnesium, and from about 0.1 to 6 per cent of bismuth, the balance being aluminum.

2,026,549
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,232. Divided and this application May 3, 1935, Serial No. 19,619
4 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 7 to 15 per cent of silicon, from about 0.3 to 4 per cent of copper, from about 0.3 to 3 per cent of magnesium, from about 0.3 to 7 per cent of nickel, at least 0.1 per cent of bismuth and at least 0.1 per cent of cadmium, the total amount of bismuth and cadmium being not more than 6 per cent, the balance being aluminum.

2,026,570
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,232. Divided and this application May 3, 1935, Serial No. 19,621
4 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 7 to 15 per cent of silicon, from about 0.3 to 7 per cent of nickel, from about 0.3 to 4 per cent of copper, from about 0.3 to 3 per cent of magnesium, at least 0.1 per cent of bismuth and at least 0.1 per cent of cadmium, the total amount of bismuth and cadmium being not more than 6 per cent, the balance being aluminum.

2,026,571
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,233. Divided and this application May 3, 1935, Serial No. 19,622
3 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 7 to 15 per cent of silicon, from about 0.3 to 7 per cent of nickel, from about 0.3 to 4 per cent of copper, from about 0.3 to 3 per cent of magnesium, at least 0.1 per cent of lead and at least 0.1 per cent of cadmium, the total amount of the lead and cadmium being not more than 6 per cent, the balance being aluminum.

2,026,572
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,231. Divided and this application May 3, 1935, Serial No. 19,623
3 Claims. (Cl. 75—1)

1. An aluminum base alloy containing 7 to 15 per cent of silicon, from about 0.3 to 7 per cent of nickel, from about 0.3 to 4 per cent of copper, from about 0.3 to 3 per cent of magnesium, at least 0.1 per cent of lead, at least 0.1 per cent of cadmium and at least 0.1 per cent of bismuth, the total amount of lead, cadmium and bismuth being not over 6 per cent, the balance being aluminum.

2,026,573
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,232. Divided and this application May 3, 1935, Serial No. 19,624
3 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 7 to 15 per cent of zinc, from about 0.3 to 2.5 per cent of copper, from about 0.2 to 2.5 per cent of magnesium, from about 0.1 to 1.5 per cent of manganese, from about 0.1 to 6 per cent of lead, and from about 0.1 to 6 per cent of bismuth, the balance being aluminum.

2,026,574
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,825. Divided and this application May 3, 1935, Serial No. 19,625
7 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 7 to 15 per cent of zinc, from about 0.5 to 2.5 per cent of copper, from about 0.2 to 2.5 per cent of magnesium, from about 0.1 to 1.5 per cent of manganese and from about 0.1 to 6 per cent of bismuth, the balance being aluminum.

2,026,575
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,826. Divided and this application May 3, 1935, Serial No. 19,626
3 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 4 per cent to about 12 per cent of copper, from about 0.01 to 2 per cent of tin and from about 0.05 to 1.5 per cent of bismuth, the balance being aluminum.

2,026,576
FREE CUTTING ALLOYS
Louis W. Kempf and Walter A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,836. Divided and this application May 3, 1935, Serial No. 19,627
3 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 4 to about 12 per cent of copper, from about 0.01 to about 2 per cent of tin, from about 0.1 to 10 per cent of lead, and from about 0.05 to 1.5 per cent of bismuth, the balance being aluminum.

2,026,577
FREE CUTTING ALLOYS
Walter A. Dean and Charles G. Jancura, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,830. Divided and this application May 3, 1935, Serial No. 19,628
4 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 3.0 to about 5.5 per cent of copper, from about 0.25 to about 1.5 per cent of manganese, from about 0.25 to about 2.0 per cent of silicon, from about 0.05 to 10.0 per cent of lead, and from about 0.05 to 1.5 per cent of bismuth, the balance aluminum.

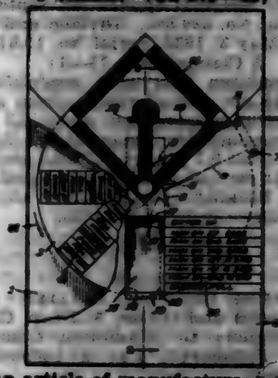
2,026,578
FREE CUTTING ALLOYS
Walter A. Dean and Charles G. Jancura, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,832. Divided and this application May 3, 1935, Serial No. 19,629
4 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 3.0 to about 5.5 per cent of copper, from about 0.25 to about 1.5 per cent of manganese, from about 0.25 to 2.0 per cent of silicon, from about 0.05 to 10.0 per cent of lead, and from about 0.05 to 1.5 per cent of cadmium, the balance aluminum.

2,026,579
FREE CUTTING ALLOYS
Walter A. Dean and Charles G. Jancura, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application September 18, 1933, Serial No. 689,833. Divided and this application May 3, 1935, Serial No. 19,630
3 Claims. (Cl. 75—1)

1. An aluminum base alloy containing from about 3.0 to 5.5 per cent of copper, from about 0.25 to 2.0 per cent of silicon, from about 0.05 to 10.0 per cent of lead, from about 0.05 to 1.5 per cent of bismuth, and from about 0.05 to 1.5 per cent of cadmium, the balance aluminum.

2,026,580
GAME
Leonard B. Krell, Sterling, Ill.
Application October 5, 1934, Serial No. 747,333
8 Claims. (Cl. 273—93)



1. As an article of manufacture, a game device provided with a top wall having a game field pictured thereon, a movable member on said top wall, stationary indications disposed at intervals along the path of travel of said member, said member having an opening therein, which opening can be disposed opposite any one of said indications, by movement of said member and its opening bodily, a rotary disk below said wall, suitable indications in fixed position on said disk, and means for causing the disk to spin freely, so that it is free to rotate and stop of its own accord, to prevent picking of a play, the indications on the disk being observable one at a time through said opening, depending upon the position of the latter.

2,026,581
CLAW BAR
John Therne Lane, Los Angeles, Calif.
Application July 25, 1934, Serial No. 736,286
12 Claims. (Cl. 254—94)

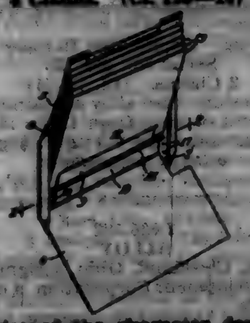
1. A claw bar or the like including a lever arm, a fulcrum head rigidly secured thereto, said fulcrum head being formed with a pair of substantially parallel vertically alined arms, a pair of gripping jaws disposed between said arms and projecting forwardly thereof in immediate in-

wedge members between which a V-shaped throat occurs, a fixed pivot for said wedge members so that they may swing vertically with relation to the head, said gripping jaws being capable of lateral movement with relation to each other and their pivotal axis, a fulcrum point occurring between the contiguous faces of said gripping jaws at a point intermediate their lengths and between the fixed pivot and the apex of the throat



whereby the jaws may swing laterally to narrow and widen the V-shaped throat between their forward ends, and means whereby downward swinging movement of the lever arm and the fulcrum head in an effort to produce a prying action by the outer ends of said gripping jaws will apply lateral force against the portions of the gripping jaws in advance of said fulcrum point tending to force said jaws together and reduce the angle of the V-shaped throat.

2,026,582
CARD INDEX AND THE LIKE
Frederick H. Leveridge, Coldwater, Mich., and Edwin H. Smythe, Evanston, Ill.; Gabrielle L. Clark and Herman L. Leveridge, trustees under the will of said Frederick H. Leveridge, deceased
Application July 15, 1932, Serial No. 622,160
4 Claims. (Cl. 129—16)



2. A device of the character described comprising a plurality of card-like elements adapted to receive legends or the like and means for mounting said elements comprising a support having a back portion and holding members detachably receiving said elements including spring members individual to said elements tending to yieldingly swing them against the back portion.

2,026,583
PROCESS OF CHANGING THE SOLUBILITY OF MIXED ESTERS OF CELLULOSE AND THE PRODUCT RESULTING THEREFROM
Carl J. Malm and Claude L. Fletcher, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application July 17, 1931, Serial No. 551,548
21 Claims. (Cl. 260—102)

1. A process of partially de-esterifying acetone soluble cellulose acetate-propionate the acyl content of which comprises at least 15% propionyl which comprises treating it with a hydrolyzing agent and terminating the hydrolysis before the total acyl content of the acetate has been reduced to less than 37%.

2,026,584
METHOD OF LIBERATING FIBERS
Joseph A. Manahan, Boston, Mass.
No Drawing. Application January 11, 1935, Serial No. 1,252
19 Claims. (Cl. 92—9)

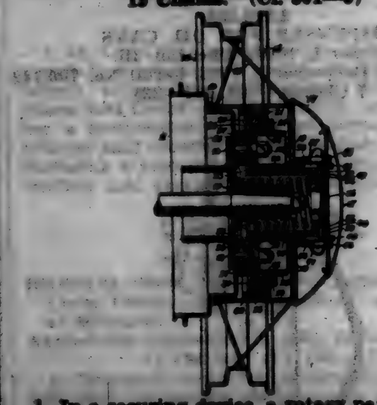
1. That method of liberating plant fiber from connective tissue which comprises treating the raw material with water containing an emulsifying agent, thereafter treating the material with a water solution of a mild alkaline salt, rinsing the material, and treating the material with a softening agent prior to spinning.

2,026,585
TRIM PANEL ASSEMBLY
William Marshall, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application September 29, 1933, Serial No. 691,641
6 Claims. (Cl. 45—138)



1. A trim panel comprising a non-metallic backing sheet, a fabric covering for said sheet, an ornamental riser strip interposed between said fabric and sheet at the outer face of the latter, parallel lines of stitching extending along the opposite longitudinal edges of the riser for securing said fabric to the backing sheet, said riser strip having a preformed continuous groove in its outer face, and a line of stitching for securing the riser to the backing sheet and housed within said groove beneath said fabric.

2,026,586
SECURING DEVICE
Thomas C. McVeagh, Honolulu, Territory of Hawaii
Application March 31, 1934, Serial No. 718,461
19 Claims. (Cl. 301—9)



1. In a securing device, a rotary part, a second part fixed on the rotary part to rotate therewith, a securing part engageable with the second part

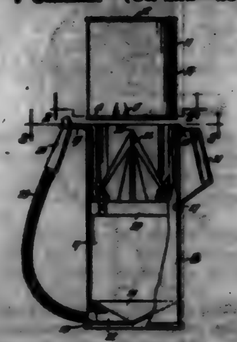
for rotation therewith and axial movement with respect thereto, a third part engageable with the second part to prevent axial movement of the third part with respect thereto, said securing part being engageable with the third part by the axial movement of the securing part in one direction into a securing position to secure the third part to rotate with the rotary part, and resilient means to retain said securing part in its securing position, and yieldable to allow said securing part to be moved to a releasing position, for the purpose of detaching said third part, and in combination, means operable to move said securing part against the action of the resilient means into its releasing position, and to retain it in said position, for the aforesaid purpose.

2,026,587
JOINT FOR ELECTRIC CABLES
Fred C. Meyer, Paterson, and George E. Moffitt, East Paterson, N. J., assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application December 18, 1933, Serial No. 703,593
3 Claims. (Cl. 247—8)



1. A joint for high tension electric cables of the type in which the insulated cable conductors are laid in a pipe filled with oil under high pressure in which the conductors and their insulation are submerged, comprising in combination an enclosing joint casing, joint sleeves aligned with the adjacent ends of the cable pipes, a barrier plate attached to the inner end of each joint sleeve, thimbles in said barrier plates for receiving and supporting the insulated cable conductors which are to be joined within said casing, a coupling sleeve at each end of the joint surrounding the ajacent ends of said joint sleeves and cable pipes, said joint casing overlapping the said joint sleeves, a ring attached to each end of the joint casing, a ring on each cable pipe and movable longitudinally thereof, packing intermediate the ends of the coupling sleeves and said rings, and bolts for drawing the pipe rings and coupling sleeves toward the joint casing rings to provide a fluid tight connection between the cable pipes and the said joint sleeves.

2,026,588
DISPENSER FOR OIL CANS
Elmer L. Nall, Wheaton, Ill.
Application December 2, 1933, Serial No. 700,743
7 Claims. (Cl. 221—83)



1. A dispenser for opening containers filled with a liquid and for dispensing said liquid, comprising a holder for said container and the liquid to be dispensed, a cutter secured within said holder adapted to open a wall of said container, a wall of said dispenser being formed with key elements corresponding with like elements in said container to exclude containers lacking said elements.

2,026,589
ALLOY
Roy E. Paine, Cleveland, Ohio, assignor to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application October 4, 1933, Serial No. 692,128
2 Claims. (Cl. 75—1)

1. A magnesium-base alloy containing from about 0.5 per cent to about 23.0 per cent of lead and from about 1.0 per cent to about 10.0 per cent of cadmium, the balance being magnesium.

2,026,590
ALLOY
Roy E. Paine, Cleveland, Ohio, assignor to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application October 4, 1933, Serial No. 692,129
2 Claims. (Cl. 75—1)

1. A magnesium-base alloy containing from 0.5 to 22.0 per cent of lead and from 1.0 to 15.0 per cent of aluminum, the balance being magnesium.

2,026,591
ALLOY
Roy E. Paine, Cleveland, Ohio, assignor to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application October 4, 1933, Serial No. 692,135
2 Claims. (Cl. 75—1)

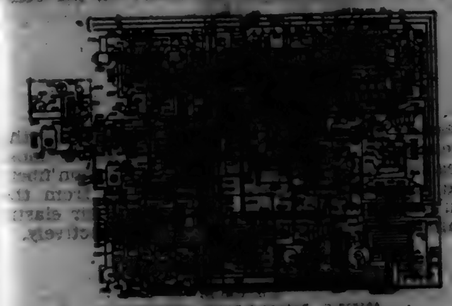
1. A magnesium-base alloy containing from 0.5 to 22.0 per cent of lead, from 1.0 to 15.0 per cent of aluminum, and from 1.0 to 15.0 per cent of tin, the balance being magnesium.

2,026,592
ALLOY
Roy E. Paine, Cleveland, Ohio, assignor to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application October 4, 1933, Serial No. 692,136
2 Claims. (Cl. 75—1)

1. A magnesium-base alloy containing 0.5 to 22.0 per cent of lead, 1.0 to 15.0 per cent of aluminum, 0.1 to 1.0 per cent of manganese and 0.1 to 2.0 per cent of calcium, the balance being magnesium.

2,026,593
SYSTEM FOR THE REMOTE OPERATION OF POWER PLANTS
Erick Pearson, Minneapolis, Minn.
Application March 21, 1931, Serial No. 524,426
22 Claims. (Cl. 290—4)

6. A control system for a prime mover-generator unit and a source of operating fluid for said prime mover, including a gate for controlling the flow of said fluid to said prime mover, means for moving said gate, manually and automatically controlled operating means for controlling the actuation of said prime mover and said moving means, said a circuit including remote control means for selecting one of said operating means to control the actuation of said prime mover and moving means.



10. A control system for a prime mover-generator unit connected to a line, and a source of operating fluid for said prime mover, including a gate for controlling the flow of said fluid to said prime mover, a speed governor driven with said prime mover, means controlled by said speed governor for moving said gate, and means responsive to the amount of fluid in said source for limiting the degree of opening of said gate proportionately to the amount of fluid available at said source.

23. A control system for a prime mover-generator unit and a line connectable to said generator, including means for controlling the supply of energy to said prime mover, a circuit breaker for connecting said generator to said line, and means for effecting the opening of said circuit breaker and including means for operating said controlling means to slowly reduce the flow of energy to said prime mover to below a predetermined rate prior to opening said circuit breaker.

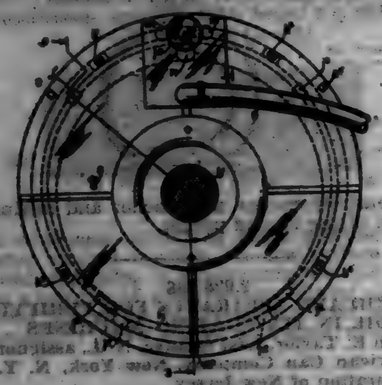
2,026,594
FLOORING MATERIAL AND METHOD OF MAKING SAME
Herman William Bleiler, Bridgewater, Mass.
No Drawing. Application May 4, 1931, Serial No. 535,082
3 Claims. (Cl. 154—60)

1. A method of laminating a plurality of sheets consisting in preheating each of the sheets, applying an asphalt emulsion to the surfaces to be united and pressing said sheets together without further heating, the preheating being sufficient to evaporate substantially all of the water of the emulsion and to produce a weld between the pressed sheets.

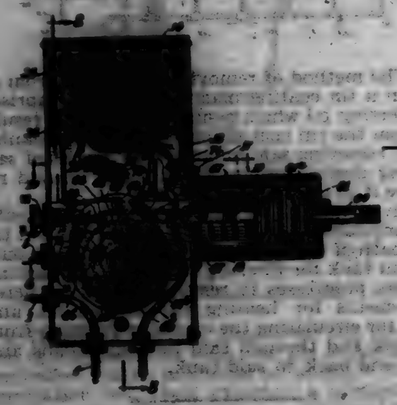
2,026,595
VEHICLE BRAKE
Clifford H. Rogers, Portland, Oreg., assignor of twenty-four per cent to John Kaufman and twenty-four per cent to J. K. Carr, both of Portland, Oreg.
Application July 22, 1931, Serial No. 552,719
10 Claims. (Cl. 188—60)

1. In vehicle braking mechanism, a brake element of the pump type, a closed conduit joining the discharge side of said brake element to the intake side thereof, a single intake port arranged on the intake side of said brake element and a plurality of discharge ports arranged in spaced relation along the discharge side of said element, a plurality of by-passes discharging into

said conduit, and a restricting orifice operatively arranged in certain of said branches, thereby adapted to regulate the resistance to flow thru said branches.



2,026,596
AUTOMATIC CONTROLLING DEVICE
John D. Rose, Bangor, Maine
Application May 26, 1926, Serial No. 111,469
32 Claims. (Cl. 219—20)

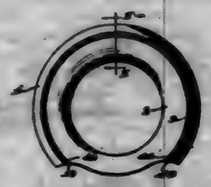


1. In a controlling apparatus, in combination, a switch, a mechanical motor for operating said switch, escapement mechanism interposed between said motor and said switch, means including a temperature-responsive element for controlling said escapement mechanism, and means including a pressure-responsive element for controlling said escapement mechanism.

1,025,577
TIRE COVER
Reuben M. Short, Detroit, Mich., assignor to Lyon Cover Company, Detroit, Mich., a corporation of Michigan
Application September 9, 1933, Serial No. 688,257
11 Claims. (Cl. 150—54)

1. Tire cover construction comprising tread and side wall protecting portions, an anchor substantially coextensive with said portions and having an offset marginal extending at an acute angle with one of said portions to provide a cir-

cumferential pocket, and a coextensive strip of molding cooperating with the cover to substan-



tially entirely enclose said anchor and having a portion fitting in said pocket.

2,026,598
METHOD AND APPARATUS FOR PURIFYING OIL IN TIN COATING MACHINES
William E. Taylor, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 27, 1929, Serial No. 381,659
10 Claims. (Cl. 91—70.2)

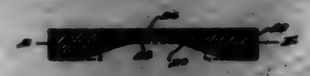


1. The method of removing impurities from oil used in a tin coating machine, which comprises, transferring oil which contains impurities resulting from the tin coating operation, to a cleaning device, removing said impurities by means of said cleaning device, heating the purified oil and returning it to said coating machine.

9. An apparatus for coating sheet metal with tin, comprising a tank for containing molten tin and a bath of oil upon the molten tin, means outside said tank for filtering said oil as the tinning of sheets progresses to remove impurities therefrom, means for heating the filtered oil, and means for circulating the oil under pressure from said tank and through said filtering means and heater and back to said tank.

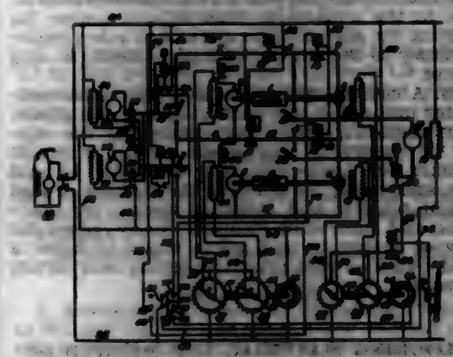
2,026,569
LEAF SPRING
William H. Wallace, Detroit, Mich.
Application September 4, 1931, Serial No. 561,184
3 Claims. (Cl. 267—47)

1. A spring leaf having a cross-section the tension side of which is substantially flat and the compression side of which has a concavity which is formed by a longitudinal groove the sides of which are divergent toward the compression side of the leaf and which is symmetrically positioned with respect to the edges of the leaf, the portions of said compression side that are adjacent to the edges of the leaf being substantially flat and parallel with said tension side, the central portion of said concavity extending across the neutral axis and into the tension area of the section, and the compression portion of the cross-section of the leaf being of such area and so arranged in relation to the neutral axis that, for a given working deflection of the leaf, the total stress to which the fibers on the tension side of the neutral axis are subjected shall be maintained substantially at a minimum to support the load producing the deflection and bear substantially the same relation to the tensile strength of the cross-sectional area in tension, that the total stress in the fibers on the com-



pression side of the neutral axis bears to the strength in compression of the cross-sectional area that is in compression, and the tension fibers and compression fibers most remote from the neutral axis will not be stressed to their elastic limits in tension and compression respectively.

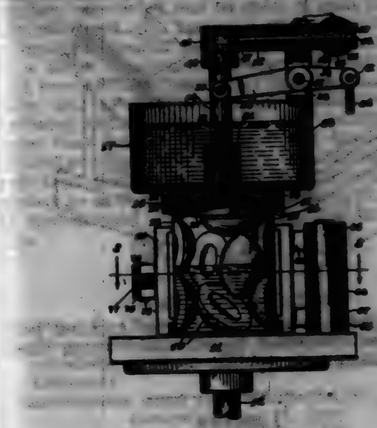
2,026,580
WELL DRILLING SYSTEM
Nathan Wildinson, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application June 28, 1933, Serial No. 678,215
Renewed February 13, 1935
22 Claims. (Cl. 255—19)



4. A well drilling rig comprising means for hoisting selected parts of the rig, means for drilling, an electric motor, mechanism operable to selectively connect said electric motor either with said hoisting means or with said drilling means, a pair of electric generators of different capacities, prime mover means arranged to drive said generators, and means for connecting said motor to the generator of larger capacity when said hoisting means is operable and to the generator of smaller capacity when said drilling means is operable, and for permitting variation of the speed of said motor in its hoist and drill driving operations independently of the speed of operation of said prime mover means.

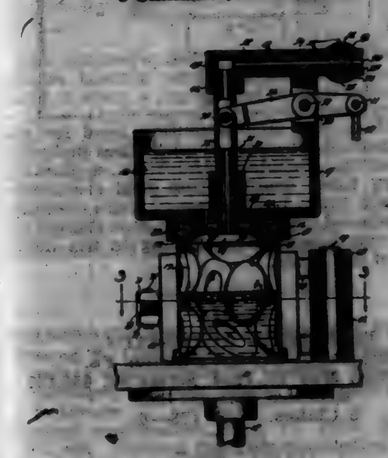
2,026,581
METHOD OF CANNING
John M. Young, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 8, 1933, Serial No. 688,833
8 Claims. (Cl. 226—116)

1. The method of canning and protecting open-end containers against collapse while under high vacuum, which comprises partially covering and holding against outward movement the greater part of the outside cylindrical part of the container to prevent atmospheric pressure from coming in contact with the enveloped part thereof



while supporting its interior wall adjacent its open end.

2,026,582
APPARATUS FOR CANNING
John M. Young, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 7, 1931, Serial No. 507,999
6 Claims. (Cl. 226—116)



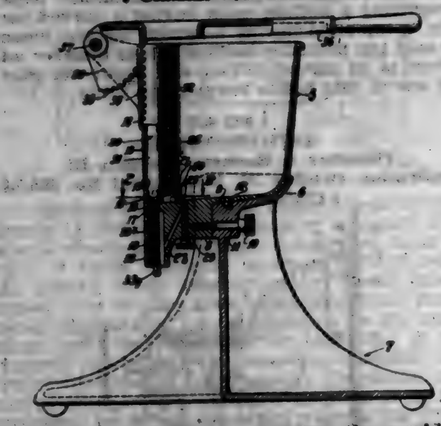
1. Apparatus for canning under vacuum, comprising in combination: a vacuum head connected with a source of vacuum, means for controlling said vacuum, means for supporting a partially filled can to be vacuumized in operative relation to said head, a syrup tank communicating with said vacuum head, a valve member mounted in said head for controlling the supply of syrup to said can, and means pivotally mounted on said can supporting means and movable into and out of engagement with the side walls of said can to support the latter against collapse when the vacuum is drawn, said pivotally mounted means substantially conforming to the cross-sectional configuration of the can when in can engaging position.

2,026,603
ETCHING PROCESS
Robert A. Zarse, West Allis, Wis.
Application April 25, 1933, Serial No. 667,895
3 Claims. (Cl. 41—42)



2. A process of etching metal printing forms having enamel coatings on the surface to be etched, consisting in introducing the said forms into a mixture of a solution containing approximately one gallon of chloride of iron and approximately three ounces of sodium chloride.

2,026,604
EMULSIFYING APPARATUS
Terris H. Alfreds, Park Ridge, Ill., assignor to Herbert J. Tayler, Park Ridge, Ill.
Application October 6, 1934, Serial No. 747,155
7 Claims. (Cl. 99—3)



1. In an emulsifying apparatus, the combination of a cylinder for receiving the material to be emulsified, means providing an aperture in communication with said cylinder, a plunger relatively movable with respect to said aperture and having a projecting end part of a different diameter extending into said aperture and coacting therewith in forming an annular emulsifying passage, and means for causing a relative movement between said means and said plunger to extrude the material in said cylinder through said passage.

2,026,605
METHOD FOR WORKING AND TREATING METALS
Frank L. Antisell, Wilkinsburg, Pa., assignor to Copperweld Steel Company, Glassport, Pa., a corporation of Pennsylvania
Application January 9, 1933, Serial No. 650,913
9 Claims. (Cl. 148—11.5)

2. A method of making a coherent, integral mass of metal from a series of layers thereof including the steps of successively compacting portions of each layer to refine the grain structure thereof, leaving the intermediate portions in their original coarse-grained state to anchor the

layers together, and annealing the layers whereby the intrusive effect of the compacted portions



extends to adjacent layers wiping out boundaries therebetween and uniting the layers.

2,026,606
MEANS FOR MAKING OPHTHALMIC LENSES

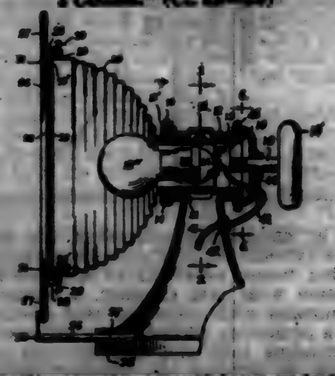
William Bausch, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 31, 1932, Serial No. 603,541
4 Claims. (Cl. 49—53.1)



1. Apparatus for making ophthalmic lenses comprising a bottom mold having a curved surface, a top mold having a curved surface, means on said top mold for holding a lens member adjacent to its curved surface and means for moving one of said molds towards the other.

2,026,607
ASTIGMOMETER

Theodore A. Bennett, Chicago, Ill.
Application October 28, 1933, Serial No. 695,744
3 Claims. (Cl. 88—39)



1. An astigmometer comprising a pedestal having a bearing thereon, a bushing journalled in said bearing for rotative movement, a reflector carried by said bushing rotatable therewith, and having an open side, illuminating means within said reflector, a transparent chart arranged over said open side, and indicating means for indicating the angular position of said chart.

2,026,608
ROOF CONSTRUCTION

Salvator S. Calafati, New York, N. Y., assignor of three-fourths to Salvator S. Calafati, Jr., and one-fourth to John M. Cole, both of New York, N. Y.
Application July 6, 1933, Serial No. 679,996
7 Claims. (Cl. 189—6)

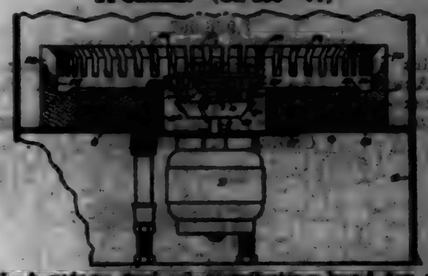
1. The method of building roofs which consists in securing pieces of insulating board to a suitable support and in overlapping, shingle-like relation, the lower edges of the insulating board being spaced away from the upper surface of the next lower piece of insulation board, applying a coat-



ing of impervious material to the exposed portions of the insulation board, and forcing some of said coating material into said space.

2,026,609
OIL BURNER

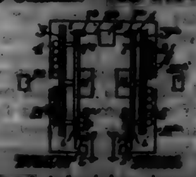
John W. Cannon, Plainfield, N. J.
Application June 18, 1932, Serial No. 618,008
14 Claims. (Cl. 158—77)



1. A rotary fuel oil distributing head for use with furnaces of the character described including an oil receiving receptacle and a fan, a plurality of delivery tubes leading from said receptacle, each of said tubes having one or more openings therein disposed intermediate the ends thereof for reducing the danger of breathing to the delivery ends of the tubes.

2,026,610
TELEVISION APPARATUS

Aloysius J. Cawley, Pittston, Pa.
Application May 22, 1934, Serial No. 726,127
Renewed May 24, 1935
3 Claims. (Cl. 178—6)

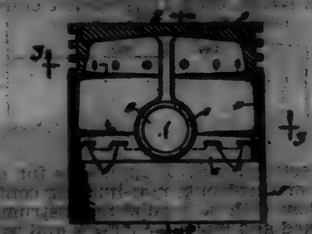


1. A combined television transmitter and receiver consisting of a motor, optical means for forming an image, a rotatable element in the plane of said image operatively connected to said motor to be rotated thereby, a group of photoelectric cells and a group of glow lamps carried on said rotatable element and being rotatable in said image plane thereby, said image plane being of the order of magnitude of said rotatable element, a transmitting conductor connected to

one terminal of each of said photoelectric cells, a receiving conductor connected to one terminal of each of said lamps, a plurality of contact brushes connected one to each of said photoelectric cells and said lamps, a commutator capable of making contact with but one of said brushes at a time, a transmission circuit connected to said transmitting conductor and to said commutator and a receiving circuit connected to said receiving conductor and to said commutator in order that said photoelectric cells shall be intermittently connected to said transmission circuit and that said lamps shall be alternately connected to said receiving circuit that images may be transmitted and received in the same image area.

2,026,611
COMPOSITE PISTON

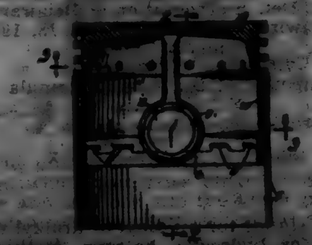
Theron F. Chase, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 15, 1933, Serial No. 666,249
Renewed May 27, 1935
1 Claim. (Cl. 309—16)



In a composite piston, a circumferentially continuous bearing sleeve of open running sheet metal or alloy, a cast shaped body of a light metal or alloy which has a higher temperature coefficient of expansion than the metal or alloy of which the bearing sleeve is made and whose open end embeds said into the bearing sleeve, a ring which is seated within the bearing sleeve and secured to it between its ends and spaced approximately horizontal projections on the ring and embedded in the cup shaped body.

2,026,612
MANUFACTURE OF COMPOSITE PISTONS

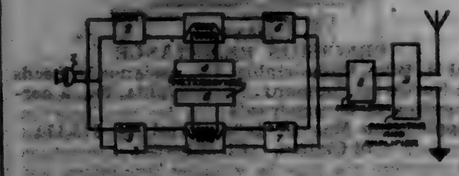
Theron F. Chase, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application April 13, 1933, Serial No. 665,969, [illegible] and this application September 15, 1933, Serial No. 689,324.
1 Claim. (Cl. 29—156.4)



That method of forming a composite piston which includes, producing a skirt or bearing sleeve of a wear resisting metal having a relatively low temperature coefficient of expansion, securing to the skirt or bearing sleeve interiorly thereof and between its ends a ring on which sleeve are provided substantially horizontal, inwardly directed projections, heating the skirt or bearing sleeve and the ring to such a temperature that the outer surface of the head or body will contact tightly circumferentially with the inner surface of the skirt or bearing sleeve and the inner surface of the ring when the piston cools to ordinary engine operating temperatures, and casting into the interior of the skirt or bearing sleeve and the ring while they are at the mentioned temperature, a head or body of a light metal or alloy which has a relatively high temperature coefficient of expansion so as to embed therein the projections on the ring.

2,026,613
SECRECY SYSTEM

Henri Chrétien and Raymond Villeon, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil, Paris, France, a corporation of France
Application August 1, 1933, Serial No. 683,134
In France August 12, 1932
2 Claims. (Cl. 179—1.5)



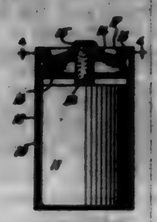
1. Method of secret radio communication consisting of dividing the modulator spectrum into several channels, filtering a determined band in each of these channels, separately transposing the filtered bands, separating new bands determined after transposition, combining these latter bands, modulating the transmission by the combined spectrum, changing the frequency of the received modulated transmission, selecting different bands of the modulating frequency and carrier wave in the spectrum resulting from the changing, applying the carrier wave to the other selected bands, detecting the obtained bands, eliminating undesirable parts of these bands after detection, changing the frequency in order to reconstitute the parts of the original spectrum and recombining these parts in order to obtain the entire spectrum.

2,026,614
PAVING COMPOSITION AND PROCESS OF PRODUCING SAME

Joseph H. Cornelison, Birmingham, Ala., assignor to Alabama Asphaltic Limestone Company, Birmingham, Ala., a corporation of Alabama
No Drawing. Application January 8, 1934, Serial No. 705,733
7 Claims. (Cl. 106—31)

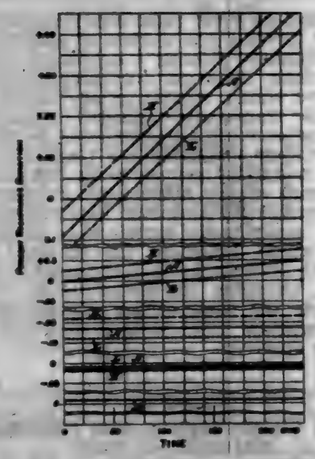
1. The process of producing a cold laid paving mixture of the character described, which comprises adding to crushed rock asphalt a volatile solvent for bitumen in an amount merely sufficient to soften the hard native asphalt in the rock asphalt and facilitate the fluxing of this native asphalt with the asphalt in the bonding medium, adding an aqueous asphalt emulsion and agitating said materials in a mixture until a homogeneous mixture results.

2,026,615
DRY CELL
Peter Corigliano, St. Albans, and Louis Flatzman, Brooklyn, N. Y., assignors to Bright Star Battery Company, Hoboken, N. J., a corporation of New York
Application March 2, 1933, Serial No. 656,222
2 Claims. (Cl. 136—133)



1. A dry cell comprising a metal cup containing a cartridge having a centrally arranged electrode, and a continuous metal cover having a rigid sealing connection between its periphery and the rim of said cup, said cover and electrode being in electrical contact with each other and said cover being insulated from said cup.

2,026,616
PRECISION RESISTANCE
Paul H. Dike, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 27, 1933, Serial No. 673,171
14 Claims. (Cl. 201—67)

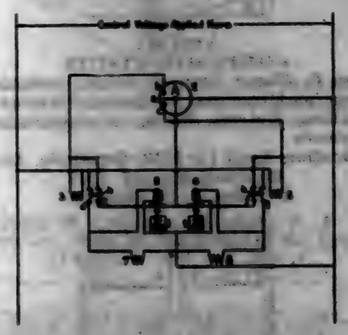


1. An unsealed precision resistor comprising a resistance conductor having low temperature coefficient, and means for reducing the changes of resistance of said conductor due to variations of humidity comprising a covering consisting of a mixture of natural vegetable fibre and animal fibre.

5. An unsealed precision resistor comprising a fabricated corrodible resistance conductor, having a temperature coefficient less than 500×10^{-6}, and having a covering of natural vegetable fibre, the whole impregnated with a chemically neutral wax, such as ceresin.

8. An unsealed precision resistor comprising a resistance conductor of corrodible material having a temperature coefficient less than 500×10^{-6} and means for substantially eliminating permanent drift from the nominal value of said resistor comprising an enamel coating on said resistance conductor.

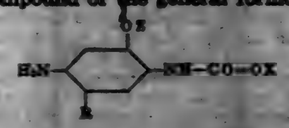
2,026,617
MEANS FOR PREVENTING ARCING OF THE CONTACTS OF ELECTRICAL REGULATING INSTRUMENTS
Milton Eaton, Shawinigan Falls, Quebec, Canada
Application April 8, 1931, Serial No. 528,558
8 Claims. (Cl. 175—275)



1. In electrical control apparatus for effecting a floating or throttling, non-hunting control, the combination with a regulating instrument including fixed and moving contacts and with electrical apparatus controlled thereby and with primary means electrically connected between said elements to make and break the powering circuit of said controlled apparatus; of a timing device and a holding circuit for said primary means controlled by said timing device and adapted, upon closure of the circuit by said primary means, to shunt the regulating instrument contacts thereby to avoid arcing thereat when the moving contact is making imperfect contact with either of the fixed contacts and, through the instrumentality of said primary means, to hold the circuit through the controlled apparatus for a period of time determined by the timing device irrespective of the controlled condition and the resulting relation of the regulating instrument contacts.

2,026,618
ESTERS OF N-P-AMINOARYL-CARBAMIC ACIDS AND PROCESS OF PRODUCING THE SAME
Robert E. Etzelmiller, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 18, 1934, Serial No. 735,819
7 Claims. (Cl. 260—165)

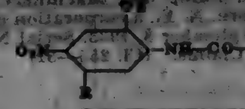
1. A compound of the general formula



wherein X stands for an alkyl or aralkyl radical, R stands for hydrogen, halogen, methyl or a lower alkoxy group, and Z stands for methyl or ethyl.

PROCESS FOR PRODUCING N-P-AMINO-ARYL-CARBAMIC ACIDS
Robert Eugene Etzelmiller, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 18, 1934, Serial No. 735,820
9 Claims. (Cl. 260—165)

5. A compound of the general formula



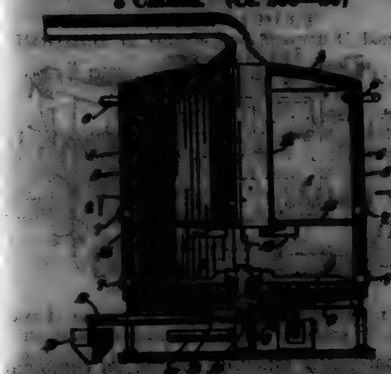
wherein X stands for an alkyl or aralkyl radical, R stands for a lower alkyl or alkoxy group, and Z stands for a lower alkyl group.

2,026,619
LAST MANUFACTURE
Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 11, 1930, Serial No. 502,185
23 Claims. (Cl. 12—142)



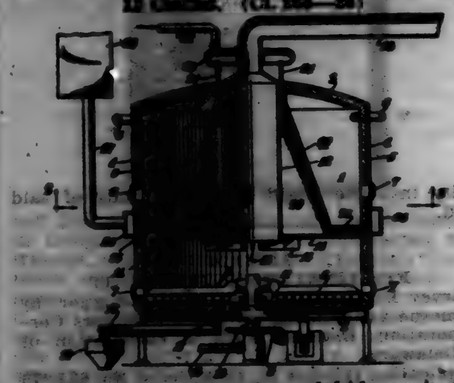
1. That improvement in methods of making lasts which consists in distorting a readily deformable pattern of a regular last, and reproducing a last having a portion corresponding in shape to the distorted pattern and another portion corresponding in shape to the regular last.

2,026,620
ROASTING SULPHIDE ORES
Edward P. Flemlng, Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application July 18, 1933, Serial No. 681,062
8 Claims. (Cl. 266—20)



1. The process of roasting sulphide ore in suspension which comprises tangentially introducing air and said ore into the upper portion of a preheated roasting chamber thereby establishing a concurrent roasting zone, progressively increasing the peripheral velocity of said air and ore as it descends within said chamber thereby to deposit the solids close to the outer periphery of the chamber, establishing a countercurrent roasting zone by introducing additional air into the lower portion of said chamber in countercurrent flow to the descending ore particles thereby establishing a neutral zone at the interface of said concurrent and countercurrent zones and withdrawing the resultant gases from said neutral zone.

2,026,621
ROASTING SULPHIDE ORES
Edward P. Flemlng, Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application January 31, 1934, Serial No. 708,187
12 Claims. (Cl. 266—20)



1. The process of roasting sulphide ore in suspension which comprises tangentially introducing air and said ore into the upper portion of a preheated roasting chamber thereby establishing a concurrent roasting zone, progressively increasing the peripheral velocity of said air and ore as it descends within said chamber thereby to deposit the solids close to the outer periphery of the chamber, establishing a countercurrent roasting zone by introducing additional air into the lower portion of said chamber in countercurrent flow to the descending ore particles thereby establishing a neutral zone at the interface of said concurrent and countercurrent zones and withdrawing the resultant gases from said neutral zone.

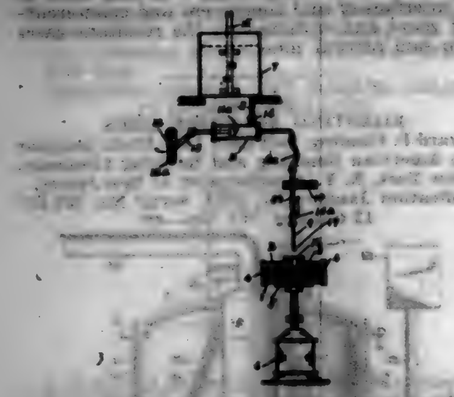
2,026,622
VAT DYESTUFF PASTE AND PROCESS FOR PRODUCING THE SAME
Maurice H. Fleysher and James Ogilvie, Buffalo, N. Y., assignors to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 11, 1932, Serial No. 610,704
24 Claims. (Cl. 260—41)

22. In the process of producing a pigment by dissolving a vat dyestuff in sulfuric acid and drowning the mass in water, the improvement which comprises using substantially boiling water as the drowning medium.

2,026,624
MANUFACTURE OF EARTHENWARE
Wesley B. Flower, East Liverpool, Ohio
Application October 16, 1934, Serial No. 748,845
16 Claims. (Cl. 25—39)

14. In the production of ceramic-ware, the herein described method which comprises supplying a mixture of ceramic material in an excess of liquid, agitating said supply mixture, rotating a substantially closed, liquid permeable mold, feeding said fluid mixture from said agitated

supply and into the cavity of said rotating mold, and drawing liquid from the mixture in said mold



cavity into the liquid permeable body of said mold.

2,026,625
RESILIENT MOUNTING UNIT
Harvey D. Geyer, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 26, 1933, Serial No. 695,275
6 Claims. (Cl. 248—23)



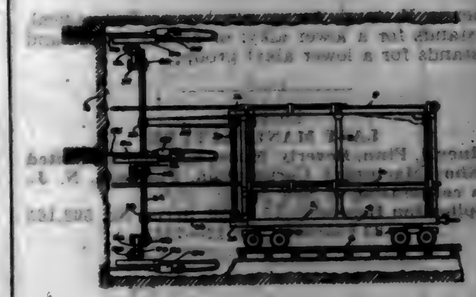
6. In combination, a support, a member supported thereby, a yielding mounting unit connecting said member to said support, said unit comprising: a metal housing fixed to said support and having a central aperture in its upper wall, a metal head within said housing and having a shank projecting upwardly through said aperture in spaced relation therewith and fixed to said supported member, and a resilient rubber block substantially dome-shaped when in non-distorted condition and having its larger end extending upwardly and bonded by vulcanization to said metal housing and having its smaller end extending downwardly and bonded to said metal head, said dome-shaped block yieldably sustaining said supported member by tension in the sloping walls thereof.

2,026,626
CONTAINER
Paul M. Gilfillan, Chicago, Ill., assignor to Shellmar Products Company, Chicago, Ill., a corporation of Delaware
Application July 16, 1934, Serial No. 735,286
5 Claims. (Cl. 206—44)



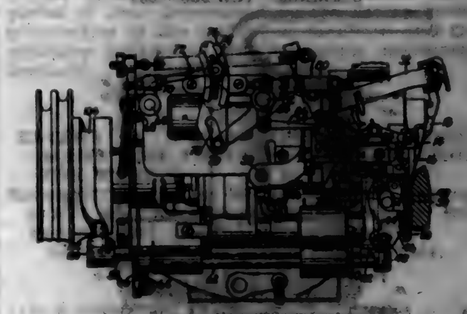
2. A container of the type described, comprising a cardboard backing member, a transparent cellulose facing member, and a resilient insert suitably scored and folded to produce two outer ridges of inverted V formation for defining the shape of the container and an intermediate compartment for receiving an article to be packaged.

2,026,627
PORTABLE DRILLING RIG
George H. Gilman, Newark, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a corporation of Virginia
Application September 8, 1932, Serial No. 632,554
6 Claims. (Cl. 255—61)



1. In a portable drilling rig, a wheeled carriage, standards rigidly attached to said carriage at one end thereof, arms arranged in vertical pairs and adjustably carried by said standards, said arms swingable to horizontal planes, a vertical tool carrying bar adjustably carried by each pair of said arms, and horizontal tool carrying bars adjustably carried by said vertical tool carrying bars.

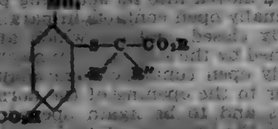
2,026,628
MACHINE FOR EDGESETTING AND CHANNELING SOLES
John B. Hadaway, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 22, 1933, Serial No. 672,160
20 Claims. (Cl. 12—13)



1. A channeling machine having, in combination, sole positioning devices, an intermittently moved channel knife, a trimming knife operated to make a complete reciprocation between successive cutting movements of the channel knife, and a sticker point operated independently of the trimming knife and in different time relation.

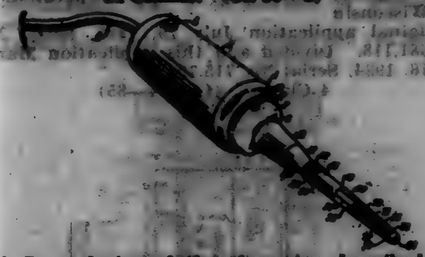
2,026,629
DYESTUFF INTERMEDIATE
Norman Bolton Haddock, Blackley, Frank Lodge, Manchester, and Robert Robinson, Oxford, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application December 19, 1933, Serial No. 703,154. In Great Britain December 20, 1932.
7 Claims. (Cl. 260—165)

5. An organic compound which in the form of its free acid corresponds to the formula



wherein R, R' and R'' individually represent hydrogen or an alkyl, aryl or aralkyl group.

2,026,630
SHEARING DEVICE
Artie B. Harris, Kansas City, Mo.
Application June 19, 1933, Serial No. 676,597
21 Claims. (Cl. 30—1)



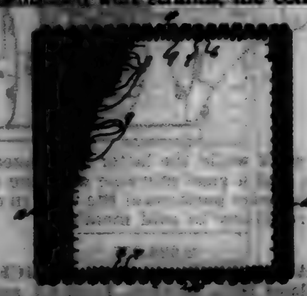
1. In a device of the character described, a guard support, a toothed guard on the support, a cutter including a flexible helical ribbon rotatable within the guard and having teeth cooperating with the teeth of the guard, and means rotatably mounted in the guard support for rotating the cutter.

2,026,631
EGG PRODUCT
Benjamin R. Harris and Marvin C. Reynolds, Chicago, Ill.
No Drawing. Application January 11, 1934, Serial No. 706,178
9 Claims. (Cl. 99—11)

1. A composition consisting essentially of oat material and a proportion of a relatively high molecular weight fatty acid ester of a polyglycerol, said ester containing at least one free hydroxy group in the polyglycerol nucleus.

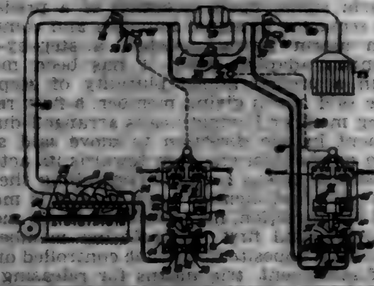
2,026,632
POT CLOTH
Ralf L. Hartwell, Orange, N. J., assignor to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware
Application December 12, 1932, Serial No. 702,199
2 Claims. (Cl. 15—226)

1. A pot-cloth comprising a soft fabric backing layer consisting of warp strands of soft cotton yarn of relatively large diameter and unusually spaced weft strands of relatively small diameter knitted transversely across said cotton warp strands, an abrasive forward layer consisting of warp strands with a crimping of ribbon-like metallic material about the same, spaced weft strands knitted transversely across said second mentioned warp strands and their metallic crimping to segregate the latter into individual coil groups with the connecting portions between longitudinally adjacent coil groups embraced and gripped in and by the knitted stitches of said second mentioned weft strands, the coils of said



coil groups being of relatively large diameter in comparison to said second mentioned warp strands, and stitching extending through the opposite side margins of said layers to unite the same into a unitary fabric, said soft warp strands of the backing layer providing a resilient cushioning body to back the coil groups of said abrasive forward layer and to project the same outwardly from the warp strands carrying the same.

2,026,633
APPARATUS FOR SEPARATING MATERIALS BY FLUID STREAMS
Mack E. Haworth, Pittsburgh, Pa., assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application May 26, 1931, Serial No. 540,959
15 Claims. (Cl. 209—302)

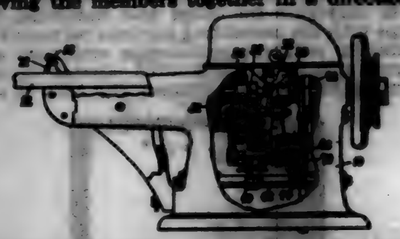


4. In a system for separating materials by fluid streams, the combination with a bed for supporting material to be separated, of means for maintaining substantially constant the buoyancy of air flow through said bed, regulating mechanism comprising an electrically operated damper, a motor for controlling said damper, and air pressure responsive mechanism responsive to the velocity head of the air flowing through said deck for automatically controlling said motor.

2,026,634
MACHINE FOR OPERATING UPON SHOE PARTS
George Hamilton, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 29, 1932, Serial No. 649,856
In Great Britain January 7, 1932
13 Claims. (Cl. 12—31)

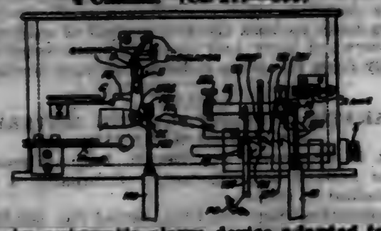
1. A machine for operating upon shoe parts comprising hammer and anvil members, means

for causing relative movement between the members to produce pressure applying operations upon work presented between the members, means for moving the members together in a direction to



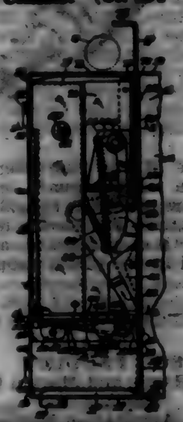
feed the work while the latter is engaged by said members, and a gage movable with the members for locating edge portions of the work in operative position relatively to said members.

2,024,635
AUTOMATIC ALARM DEVICE
Sidney Claud Hills, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application February 7, 1933, Serial No. 655,809
In Great Britain February 11, 1932
4 Claims. (Cl. 177—353)



4. An automatic alarm device adapted to give an alarm signal upon reception of a predetermined sequence of signal impulses and comprising an alarm giving member, a step-by-step mechanism adapted when it has been moved through a predetermined plurality of steps to actuate said alarm giving member, a first reciprocating member having means arranged during movement in one direction to move said step-by-step mechanism one step towards its actuating position, means for time controlling the action of said first member each time it is moved in said one direction, first electromagnetic means for moving said first reciprocating member in the direction opposite to its time controlled direction of movement, trip means for releasing the step-by-step mechanism to permit it to return to its initial position, a second reciprocating member, means for time controlling the action of said last member each time it is moved in one direction, said second reciprocating member being adapted at the end of a predetermined distance of time controlled movement to complete the circuit of said first electromagnetic means, a maintaining circuit for said first electromagnetic means, said maintaining circuit being closed automatically upon energization of said first electromagnetic means, a second electromagnetic means for moving said second reciprocating member in a direction opposite to its time controlled direction, a relay actuated by received signals for breaking the circuit of said second electromagnetic means when a signal is received, means actuated by the second reciprocating member after time controlled movement thereof exceeding a predetermined distance greater than said first predetermined distance for breaking said maintaining circuit and releasing said trip means, means for opening said maintaining circuit during movement of said second reciprocating member in a direction opposite to said time controlled movement, and means actuated by said first reciprocating member after time controlled movement exceeding a predetermined distance for independently releasing said trip means, said alarm giving member being adapted to be energized through relay contacts which are normally held open, the energizing winding of said relay being in series with normally closed contacts adapted to be opened by the step-by-step mechanism when moved into its actuating position, a pair of normally open contacts in parallel with the normally closed contacts which are adapted to be opened by the step-by-step mechanism, said normally open contacts being adapted to be closed prior to the opening of the normally closed contacts and to be again opened sufficiently long after the opening of said normally closed contacts to permit said step-by-step mechanism being released in the event of a too long duration of the final impulse substantially as described.

2,024,636
COIN CONTROLLED VENDING MACHINE
Samuel N. Hepp, Waukesha, and Paul Drath, West Allis, Wis., assignors to Gabbie-Hepp Company, West Allis, Wis., a corporation of Wisconsin
Original application July 19, 1932, Serial No. 623,113. Divided and this application March 16, 1934, Serial No. 715,794
4 Claims. (Cl. 194—65)



1. In a dispenser, the combination of article-delivery means including a swingably mounted member having a coin abutment, a movably mounted coin-driver, a second coin abutment between which and said first-named abutment a coin is urged and passed by said coin-driver to rock said swingably mounted member on an article-delivery stroke, and means controlled by the article-delivery means to prevent repeated operation of said article-delivery means by the same coin.

2,024,637
PROCESS FOR PRODUCING PIGMENTS OF THE INDANTHRONE SERIES
Frank Willard Johnson, Passaic, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 20, 1932, Serial No. 648,189
10 Claims. (Cl. 260—53)

1. In a process of producing vat colors of the indanthrone series, the step which comprises treating a sulfuric acid solution of a compound of the indanthrone series with a soluble cycloaliphatic compound under such temperature conditions that the sulfuric acid is substantially inert.

2,024,638
SCOURING IMPLEMENT
Russell R. Kingman, Orange, N. J., assignor to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware
Application May 7, 1935, Serial No. 20,516
6 Claims. (Cl. 51—181)



1. A scouring implement, comprising a foraminous resilient body, a metallic mesh enveloping portions of the surface area of said body, the marginal edge portions of said mesh being imbedded and bound within the mass of said body.

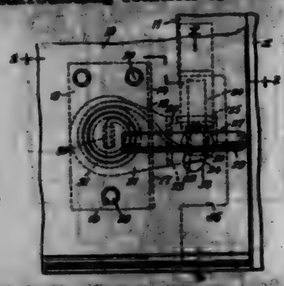
2,024,639
WORK CHUCK
Walter S. Klay and Daniel Gurney, Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa., a corporation of Pennsylvania
Application July 16, 1934, Serial No. 734,545
5 Claims. (Cl. 279—41)



1. A work chuck comprising a plate adapted to be secured to a work spindle, a ring secured to said plate, said ring having a plurality of spaced forwardly extending prongs each of said prongs having a work engaging pin extending radially inwardly and adapted to engage the periphery of the work, a disk positioned within said ring, a plunger for operating said disk, said disk having a diameter slightly greater than the inner diameter of the said ring and a pair of rings secured to the face of said first-named ring, said pair of rings having stop bars secured between them, said bars extending into the chuck and serving as means for positioning the work axially in the chuck.

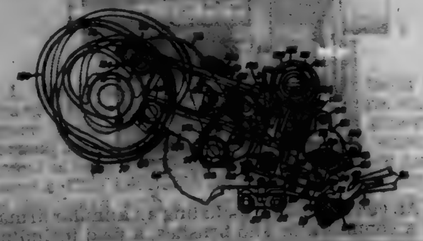
2,024,640
HOOD CATCH
Thomas T. Lapin, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application April 17, 1935, Serial No. 16,841
5 Claims. (Cl. 292—256)

1. Automobile hood fastening means for engaging a keeper disposed upon a fixed part in the location to the end of the hood, comprising a sheet metal mounting plate member adapted to be secured to the interior of the hood having a pressed out pivot bearing portion, a catch lever having an aperture engaged by said bearing portion, a coil spring secured at its inner end to said bearing portion, the outer end engaging said lever to press it in one direction, said spring overlying said catch lever in surrounding relation to said aperture to



retain said catch lever in engagement with said bearing portion, a handle secured to said lever, said catch lever adapted to be depressed in closing the hood and to spring upwardly to engage said keeper under the pressure of said spring means, the effective spring movement of said catch lever being from a point below its point of engagement with the keeper to a point above said point of engagement.

2,024,641
METHOD OF AND MACHINE FOR USE IN THE MANUFACTURE OF SHOES
Lester S. Macdonald, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 20, 1933, Serial No. 661,844
41 Claims. (Cl. 12—10)

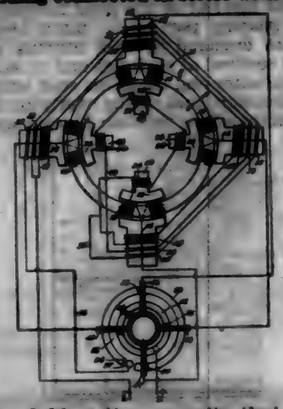


1. In a lasting machine, a member for laying the margin of an upper over an insole on a last, and means for moving said member inwardly over the insole, said member being arranged to apply to the upper and the insole an adhesive fastening to hold the upper in lasted position.

2,024,642
ELECTRIC MOTOR
James Mannix, Trenton, N. J.
Application July 15, 1934, Serial No. 734,922
5 Claims. (Cl. 172—278)

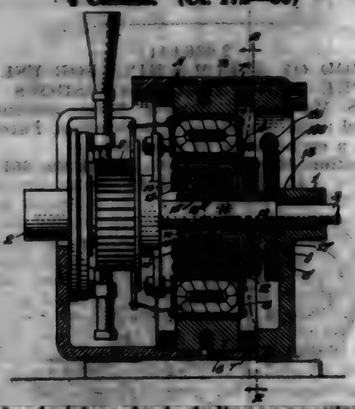
1. An electric motor comprising an annular armature, a commutator and brushes, a field including two sections one within said armature and the other outside of and concentric with the armature, each section including field cores and windings connected in series with said armature, and two corrective windings inductively related to one of said field sections, one corrective winding connected in circuit with the windings of the

inner and outer field sections and the other corrective winding connected in series with the wind-



ings of the field section opposite that to which the corrective windings are inductively related.

2,026,642
FIELD MOUNTING FOR DYNAMO-ELECTRIC MACHINES
James Mannix, Trenton, N. J.
Application July 13, 1934, Serial No. 734,823
4 Claims. (Cl. 171—36)



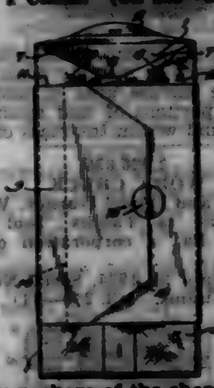
1. An electric motor including an annular armature, a commutator and brushes, a field including two sections one within the armature and one outside and concentric with the armature, and means mounting said inner field section for free movement along its axis to permit automatic alinement of its magnetic center with the magnetic centers of said outer section and said armature.

2,026,644
BRUSH HOLDER
Roy C. Meniaith, Elkhart, Ind.
Application July 10, 1933, Serial No. 20,701
1 Claim. (Cl. 171—324)



In a brush holder of the class described, a stationary supporting stud, a brush holder provided with a pair of legs, each of said legs being provided with a notch adjacent one end thereof, said notches being formed on the side of the legs and in reverse relation to each other, and said notches being adapted for successive engagement with said supporting stud from the side of the latter, a brush mounted upon said holder, and spring means for maintaining said holder in juxtaposition on said supporting stud and for urging said brush and holder into yielding relation with a commutator.

2,026,645
LAUNDRY PACKAGE
Leland E. Moss, Chicago, Ill.
Application November 18, 1933, Serial No. 702,497
1 Claim. (Cl. 223—57)



A laundry package of the character described, comprising a semi-flexible oblong board about which a shirt is adapted to be folded with the sleeve and shoulder portions thereof overlapping at the rear of said board, a thin flexible wrapping strip separate from the board and folded around the sides of the folded shirt, said wrapping strip being provided at its upper edge with a notch to accommodate the neck band of the shirt, means for securing the free ends of the wrapping strip together to form a tubular container of a length sufficient only to hold the overlapped sleeve and shoulder portions of the shirt in folded condition independently of pins or the like, and allowing portions of said shirt to project above and below said tubular container.

2,026,646
CAP FOR COLLAPSIBLE TUBES AND THE LIKE
Joseph Z. Mull, Sr., Philadelphia, and Herbert MacIlvain, Upper Darby Township, Delaware County, Pa.
Application May 11, 1935, Serial No. 21,436
3 Claims. (Cl. 221—46)

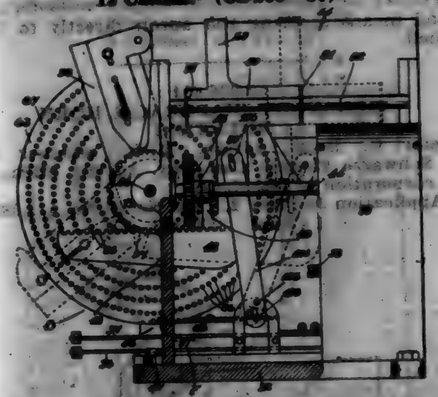


3. A closure of the type described comprising a body having an attaching section provided with an axial extension, said extension having a transverse circular recess substantially at right angles to the axis of the body, said body having a flow passage, and the extension a discharge orifice, a circular valve having means whereby it is rotatably and slidably mounted in the recess for effecting flow passage through the device, and vice versa, said means for rotating the valve means

2,026,647
PRODUCTION OF HALOGENATED INDANTHRENES
James Ogilvie, Buffalo, N. Y., assignor to National Aniline & Chemical Co., Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 2, 1934, Serial No. 723,488
12 Claims. (Cl. 260—31)

10. In the halogenation of an indanthrene, the improvement which comprises forming a suspension of an indanthrene in a chlorbenzene, and reacting a halogen selected from the group consisting of chlorine and bromine with said indanthrene.

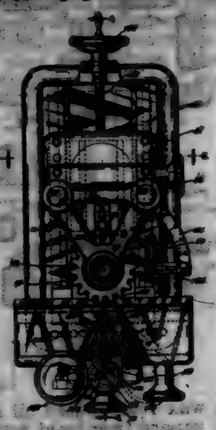
2,026,648
TIMER
Alvin O. Olshaw, St. Paul, Minn., assignor to National Traffic Signal Company, St. Paul, Minn., a corporation of Minnesota
Application July 14, 1928, Serial No. 292,824
15 Claims. (Cl. 200—38)



2. A timer comprising, an electric switch adapted to close a circuit for a street signal, a timer disc, switch operating lugs carried by said timer disc in a manner to be rotated to operate said switch, means for slidably supporting each of said lugs radially, means for adjusting one of said lugs circumferentially to change the operating position of the same, means for driving said timer disc, and means for varying the rotative speed of said timer disc.

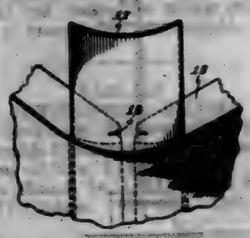
2,026,649
GEAR TESTING MACHINE
Carl G. Olson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application November 22, 1933, Serial No. 699,178
16 Claims. (Cl. 33—174)

1. A gear testing machine including a base, a work supporting frame slidably supported on said base, an indicator support slidable transversely of said work support, an indicator mechanism on said indicator support including a contactor for engaging the teeth of a supported gear, means movable with said indicator support having a friction surface, a cylindrical member corresponding in diameter with the diameter of the base circle of the gear to be tested and rotatable as a unit with the gear to be supported, a mounting for said cylinder member, and pressure applying means for maintaining frictional contact between said cylindrical member and said friction surface, said latter means acting on the periphery of said cylindrical member at a point diametrically opposite the point of engagement of said cylindrical



member with said friction surface to thereby prevent the transmission of pressure to the work support.

2,026,650
WOOD JOINT AND CORNER CONSTRUCTION
Rudolph F. Conrad, Chicago, Ill.
Application January 5, 1935, Serial No. 541
3 Claims. (Cl. 20—92)

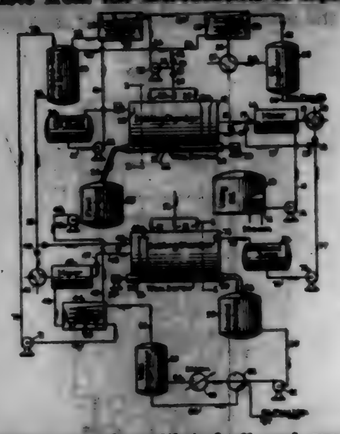


1. The process of forming a corner bend in a board which consists in cutting a groove on the inner surface of the board, which groove is formed to provide surfaces which abut when the board is bent inwardly along such groove and to leave a thin bendable layer on the outer surface of the board with a space between said bendable layer and the body of the board, filling said space with a flexible reinforcing element for the thin bendable layer of the board, and then bending the board inwardly along the groove and securing together the meeting surfaces of the groove.

2,026,651
DEWAXING
Donald E. Payne, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 31, 1931, Serial No. 560,333
12 Claims. (Cl. 196—18)

2. In apparatus of the class described, an enclosed horizontal settling chamber, means for introducing a wax bearing oil and a vaporizable liquid at one end of said settling chamber, means in said chamber for confining the agitation of the liquids to said end of the settling chamber whereby the liquids in the remainder of the settling chamber are substantially quiescent, means for removing a wax slurry from the base of said chamber, means at the end of the cham-

ber remote from the introduction of liquids for



withdrawing wax-free diluted oil and means for withdrawing vapors from said settling chamber.

2,026,652

HIGH FREQUENCY TRANSMITTER

Maurice Ponte, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, Paris, France, a corporation of France

Application November 13, 1933, Serial No. 697,776

In France January 11, 1933

5 Claims. (Cl. 250—11)



1. Short wave transmitter comprising, in combination an oscillation generator, a radiating dissymmetrical aerial located at a level different from that at which said oscillation generator is located, the level difference being of the order of several of the transmitted wavelengths, a feeder interconnecting the generator and the aerial comprising a lead connected to the aerial and a screen surrounding said lead, and means to prevent the closure on the screen of the lines of force from the aerial whereby radiation from said screen is suppressed.

2,026,653

RADIATOR SHUTTER

James F. Raleigh, River Forest, Ill., assignor to Pines Winterfront Company, Chicago, Ill., a corporation of Delaware

Application October 3, 1931, Serial No. 567,777

14 Claims. (Cl. 155—73)

3. In a radiator shutter, in combination, a series of shutters having pintles, a bearing strip of fibrous material having openings in which the pintles are rotatably supported, and sheet metal members completely enclosing and supporting said strip, said members being perforated to permit the pintles to enter the openings in the bearing strip and prevent contact of the pintles with the metal members.

11. In combination, a radiator shutter comprising a frame, shutters mounted therein, an apron extending downwardly from the frame, a radiator shell adapted to surround said shutter,



and means securing the apron directly to the shell.

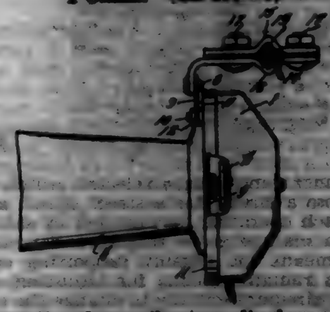
2,026,654

VIBRATORY DIAPHRAGM HORN MOUNTING

Peter C. Reek, Adrian, Mich., assignor to Schwarze Electric Company, Adrian, Mich., a corporation of Michigan

Application January 5, 1928, Serial No. 415,660

1 Claim. (Cl. 171—5)



A mounting for a vibratory diaphragm type of horn having a housing part providing a flange, a pair of spaced bolts through the flange within the diameter and adjacent the periphery thereof to assemble the diaphragm therewith, said mounting consisting of a single freely flexible spring leaf extending radially from and in a plane transversely of the axis of the diaphragm, said leaf providing a pair of spaced openings through which the bolts extend, means coacting with said bolts to rigidly secure one end of the leaf to said horn, and a rigid bracket member rigidly fixed with the remote end of said leaf.

2,026,655

CAR HEATER

Herbert C. Rice, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 11, 1933, Serial No. 660,916

6 Claims. (Cl. 257—137)

2. In a heater, a casing, a plurality of radiator elements therein, a plurality of air propelling means between the radiating elements for causing air to circulate through the radiators, a common motor for actuating the air propelling

means and a plurality of independent air inlets and outlets on corresponding sides of the radiating elements whereby air is drawn through one of the radiator elements and forced through the other.



2,026,656

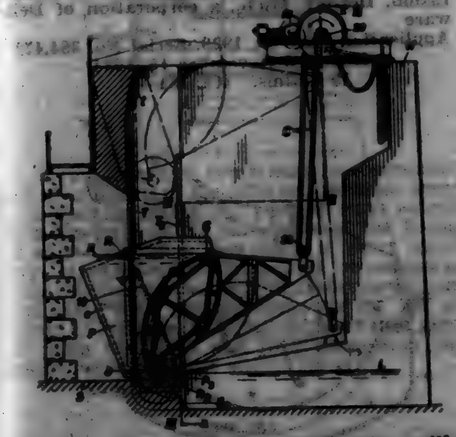
SLUICE WEIR

Karl Schön, Wansleben, Germany, assignor to firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany

Application August 24, 1933, Serial No. 741,244

In Germany August 30, 1932

3 Claims. (Cl. 61—36)



1. In a sluice weir the combination with a sluice of the type adapted to obliquely descend in a substantially vertical path of movement into its operative position, of upright walls laterally enclosing the sluice, a knife edge bearing formed at the base of the sluice and allowing the latter to be tilted, while resting on said bearing, through a relatively large angle, actuating arms formed at the body of the sluice and projecting therefrom at substantially right angles, and guiding and operating means cooperatively intervening the ends of the sluice and of the said actuating arms.

2,026,657

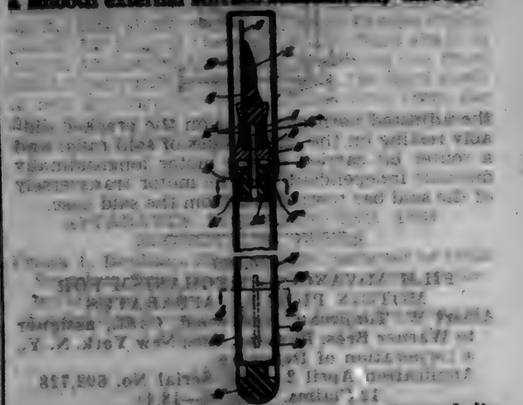
FOUNTAIN PEN

John C. Sherman, Gorham, Maine

Application January 18, 1934, Serial No. 707,118

1 Claim. (Cl. 120—43)

In a fountain pen, the combination of a head and portion in the form of a socket, a plug having an ink-feeding channel received in said socket, a nib to which said channel leads projecting from said head and portion and held in place by said plug, a holder removably secured to said head and portion and together therewith defining a hollow, a rigid ink container located within said holder and having an outlet end portion adjacent to said head and, a solid plug of resiliently compressible



tubing of material tightly engaged in said outlet end portion and having a bore therethrough commensurate with its depth through which ink may flow, and an open-ended nipple projecting from said head end portion and resiliently wedged in the bore of said plug and making an ink-tight fit therein at its external surface, said nipple having a smooth external surface substantially throughout of gradually diminishing taper toward its plug-engaging end, making pressure contact with the wall of said bore substantially throughout the wall area surrounding said nipple, and being adapted to conduct the ink from said container to the ink-feeding channel in said first-named plug and said ink container being removable by mere pulling it away from said nipple.

2,026,658

AUTOMOBILE FRAME

Donald W. Sherman, Shorewood, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application March 16, 1934, Serial No. 715,819

12 Claims. (Cl. 280—106)



1. An automobile frame adapted for independent mounting of rear wheels by means of coil springs in the manner described comprising, a pair of side bars, an auxiliary rail for each side bar attached at its forward end to the side bar at a point substantially forward of the center line of the rear wheels and extending rearwardly therefrom, said side bars and the corresponding auxiliary rails being relatively separated laterally, a seat for a coil spring disposed in the space therebetween, and suitable cross bars connecting said side bars.

2,026,659

ROUTING MACHINE

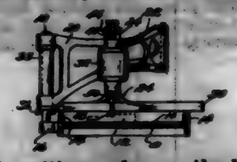
Thomas L. Siebenthaler, Kansas City, Mo.

Application April 23, 1934, Serial No. 721,491

2 Claims. (Cl. 90—15)

1. A routing machine of the kind described, comprising, a base; a plurality of rails on the base having upper edges in a common plane parallel to the plane of said base; a standard at one corner of said base; a plurality of pivotally inter-

connected arms mounted on said standard for movement thereabout; a bracket pivotally carried by the outermost arm; a motor mounted for vertical rectilinear movement on the said bracket; means for moving and holding said motor in



the adjusted position; a bar on the bracket slidably resting on the upper edges of said rails; and a router bit carried by the motor longitudinally movable independently of the motor transversely of the said bar toward and from the said base.

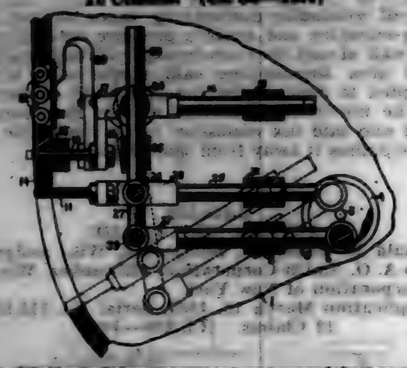
2,026,660

FILM ADVANCING MECHANISM FOR MOTION PICTURE APPARATUS

Albert W. Tendreau, Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware

Application April 2, 1932, Serial No. 602,728

12 Claims. (Cl. 88—18.4)



3. Motion picture apparatus comprising a pressure pad for the film, a register pin member, a U shaped spring between said pad and said member and fastened to one thereof and in sliding engagement with the other thereof, and means for operating said pin member.

12. Intermittent film mechanism comprising the combination of an eccentric, a connecting rod connected thereto, a bearing support providing a fixed pivot point for an intermediate portion of said connecting rod, a claw member operatively connected to said connecting rod and adapted to support claws, a register pin rod, a link having one end portion thereof operatively connected with said register pin rod, and the other end portion thereof operatively connected with said claw member, and means providing a fixed pivot point support for an intermediate portion of said link.

2,026,661

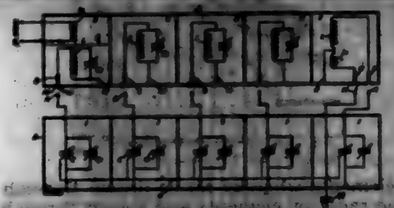
TUNING MEANS

Bertram Trevor, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 30, 1932, Serial No. 608,250

9 Claims. (Cl. 250—24)

1. A radio receiver for receiving signals over a wide band of frequencies comprising a plurality of individually shielded thermionic stages and tuning means interconnecting the stages comprising, a shielded coupling inductance for each stage, an individual equalling capacity for each inductance and contained within the shield, a



shielded tuning unit having separate compartments containing a main tuning capacity for each inductance and an equalizing capacity for each tuning capacity.

2,026,662

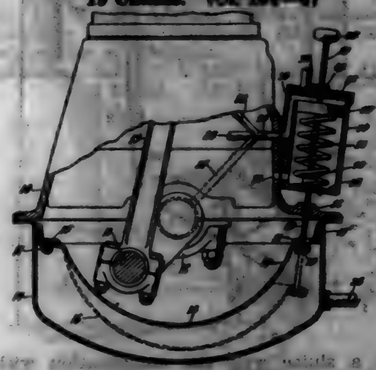
LUBRICATING SYSTEM

James B. Watson, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 20, 1930, Serial No. 454,475

Renewed November 15, 1934

19 Claims. (Cl. 184—6)



1. In an engine: means, including a movable pan, for initially splash-lubricating relatively moving parts; means for feeding a lubricant under pressure to said parts; and means, responsive to a predetermined pressure, for varying the position of said splash pan.

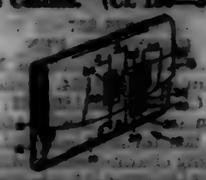
2,026,663

LADY'S HAND BAG

Morris Wunsthal, New York, N. Y.

Application October 23, 1934, Serial No. 749,297

6 Claims. (Cl. 150—24)



1. A receptacle comprising a plurality of relatively movable walls, a keeper secured to one of said walls and projecting laterally with respect to another of said walls, said keeper having an opening therein, and a pin slidably mounted on said last mentioned wall and movable into projected position to said opening in the keeper for

releasably locking said walls in closed position, said pin having a cover which engages said keeper when the pin is moved to projected position whereby opening of said cover is prevented until the pin is moved out of said opening to retracted position.

2,026,664

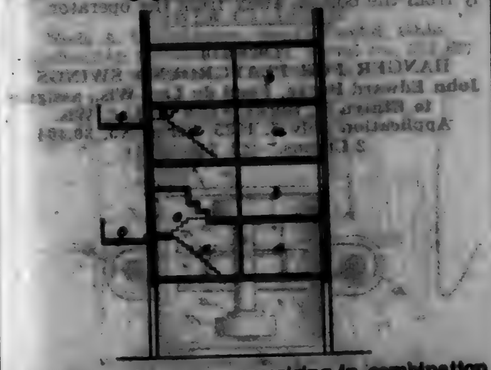
ROW OF HOUSES WITH DISPLACED GANGWAYS

Hermann Bartling, Bielefeld, Germany

Application December 10, 1931, Serial No. 580,175

In Germany February 11, 1931

3 Claims. (Cl. 20—1)



1. A row of houses, comprising in combination with the stories and the different dwellings therein, continuous street-like passage ways extending horizontally at the outer sides of the houses, one at the height of two thirds of every second story, staircases connecting said passage ways to the different stories and in unobstructed communication with the passage ways for the admission of light and ventilation for the stair cases, and main staircases and lifts connecting said passage ways with the street.

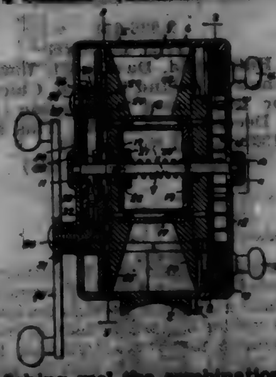
2,026,665

REEL

Charles Black Bender, San Diego, Calif.

Application April 11, 1935, Serial No. 15,597

4 Claims. (Cl. 242—84.3)



1. In a fishing reel the combination of a line spool, a shaft on which said spool is mounted, a spring adapted when unwinding to rotate said spool in a direction to draw in the line, said spring having one end secured to said shaft, a sleeve slidably mounted on said shaft, interengaging clutch means on said spool and one end of said sleeve for placing said sleeve and spool in driving engagement one with the other, a spring device yieldably retaining said interengaging clutch means unreleased, a pinion on the end of the sleeve remote from said clutch means, a gear fixed on one end of said shaft, a fixed shaft, a gear on the fixed shaft in mesh with said pinion, a pinion on the fixed shaft in mesh with the gear on the first shaft, and cam slot and roller clutch means for placing the gear on the fixed shaft in driven engagement with the pinion on the fixed shaft upon rotation of the gear on the fixed shaft in one direction for transmitting drive from the first shaft to the reel for rotating said reel in a direction to draw in the line.

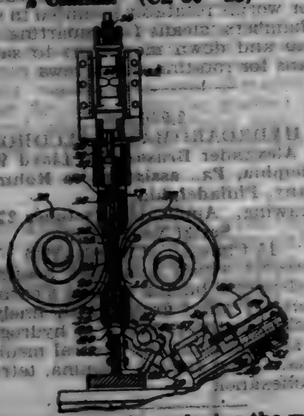
2,026,666

APPARATUS FOR REDUCING AND ELONGATING TUBES

Frank L. Benham, Shelby, Ohio, assignor to Ohio Seamless Tube Company, Shelby, Ohio, a corporation of Ohio

Application January 15, 1934, Serial No. 706,616

2 Claims. (Cl. 80—13)



1. In an apparatus for reducing the wall thickness and elongating a tubular metal blank having means for feeding the blank longitudinally and for subjecting opposite sides of the blank to reducing pressures including a mandrel within a blank and pressure rolls acting upon opposite sides of the exterior of the blank causing the blank to bulge laterally away from the mandrel, the combination therewith of guides mounted to engage opposite sides of the blank between said pressure rolls, means for reciprocating said guides in a straight line path toward and from each other and into and out of engagement with the blank as it is fed longitudinally to cause said guides alternately to limit and permit bulging of the blank, and adjustable means for changing the limits of movement of said guides with relation to said mandrel.

2,026,667

MACHINE FOR PREPARING PASTES

Mario Braibanti and Giuseppe Braibanti, Milan, Italy

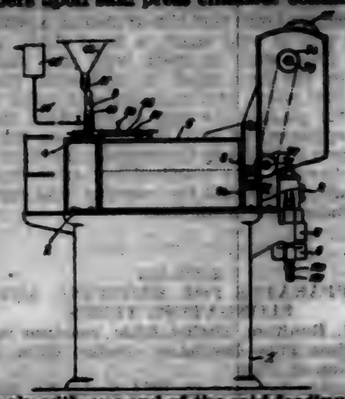
Application January 19, 1934, Serial No. 706,977

In Italy January 12, 1933

6 Claims. (Cl. 107—14)

1. A machine for preparing alimentary drawn or extruded paste from kneaded paste, having pressing and extruding means for drawing or extruding the paste, comprising a press chamber, a draw plate forming the bottom of said press

chamber, feeding means for receiving kneaded paste mass and passing the same to the pressing and extruding means, a plurality of cylindrical chambers upon said press chamber communicating freely with one end of the said feeding means, screws or worms rotatably mounted in said cylindrical chambers, means for imparting a reciprocating up and down movement to said screws, and means for rotating said screws.



2,026,068
HYDROAROMATIC ALCOHOL
Herman Alexander Bruson and Lloyd W. Covert, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application October 27, 1934, Serial No. 750,279
15 Claims. (Cl. 260—153)

1. A process which comprises heating a tertiary alkyl-phenol having at least 6 carbon atoms in the tertiary alkyl group, with finely divided active nickel, in the presence of hydrogen under pressure in a substantially neutral medium.

9. Alpha, alpha, gamma, gamma, tetramethylbutylcyclohexanol.

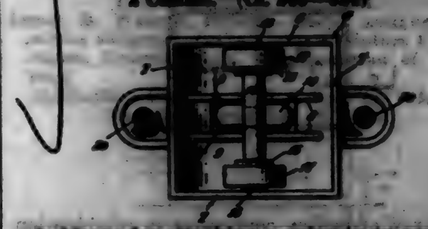
2,026,069
WINDOW SHADE
Richard C. Enck, Yonkers, N. Y.
Application September 17, 1934, Serial No. 745,670
5 Claims. (Cl. 160—16)



1. A shade comprising a plurality of horizontal inter-connected slats, means supporting the upper end of said shade, cords fixed adjacent the sides of said shade at the top and in front thereof, said cords extending down in front of, under the bottom of and up in back of said shade and being extended through the top of the shade in front thereof in position to be pulled to roll the shade upwardly from the bottom away from the operator.

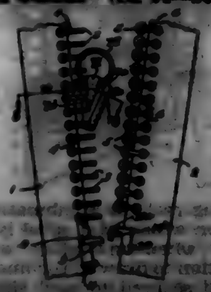
2. A shade comprising a plurality of horizontal inter-connected slats, a head strip to which one end of said shade is attached and forming therewith a passageway, cords fixed within said passageway near the ends thereof and extending down in front, under the bottom and up in back of said shade and into said passageway, one of said cords running through said passageway and both cords emerging in substantially from the same end of the passageway in front of the shade in position to be pulled to roll the shade upwardly from the bottom away from the operator.

2,026,070
HANGER FOR PLAYGROUND SWINGS
John Edward Burke, Fond du Lac, Wis., assignor to Ethlyn M. Burke, Fond du Lac, Wis.
Application July 6, 1934, Serial No. 734,604
2 Claims. (Cl. 248—324)



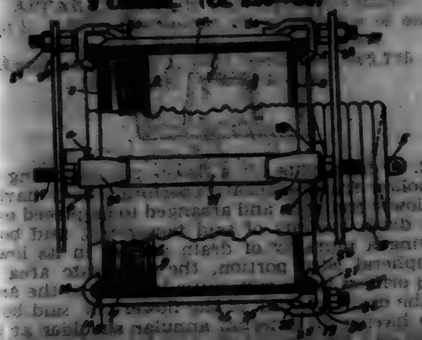
1. Means for attaching a swing to an overhead support comprising a hanger box having a seat to engage the support and a clamping element having a complemental seat for holding the box assembled with the support, said box having spaced partitions formed intermediate the ends thereof to form oil reservoirs with a slot therebetween, and a hanger comprising an inverted U-shape member having enlarged free ends terminating in trunnions extending laterally therefrom, said trunnions being provided with antifriction means adapted to be positioned in said reservoirs, and a depending arm disposed intermediate the sides of said hanger and formed integrally therewith and having a closed eye at its free end extending through said slot and below said hanger box.

2,026,071
METAL LACING
Emery E. Butterfield, Davenport, Iowa, assignor of one-half to Leland K. Ford, Chicago, Ill.
Refiled for abandoned application Serial No. 154,596, December 15, 1926. This application May 4, 1932, Serial No. 609,242
5 Claims. (Cl. 24—205)



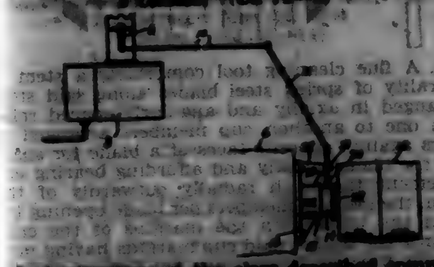
1. In a device of the class described, two pieces of fabric having opposing edges, interlacing fasteners comprising a series of rings secured to one of said edges and a series of spherical members secured to the other edge, said rings and spherical members being offset on one side of the opening between said edges, an isolated ring fastened on one of the pieces of fabric at one end of said series of rings and a slip beyond the same, a hook member on the other piece of fabric at the end of said series of spherical members for engagement with said isolated ring, and a slide operable on said series of fasteners and on said isolated ring and hook member.

2,026,072
POWER CYLINDER
Niels A. Christensen, South Euclid, Ohio
Application October 31, 1931, Serial No. 572,437
9 Claims. (Cl. 230—55)



1. The combination with a cylinder and closure plate therefor, of relatively wide transversely arcuated straps extending longitudinally of the cylinder conforming to the curvature thereof and closely engaging the same and having fastening means at opposite ends engaging the closure plate and end of the cylinder for clamping the closure plate on the cylinder and for protecting the cylinder from damage.

2,026,073
PULLEY ATTACHMENT
Abel De Land, West Salem, N. Y.
Application August 12, 1934, Serial No. 739,933
2 Claims. (Cl. 74—4)



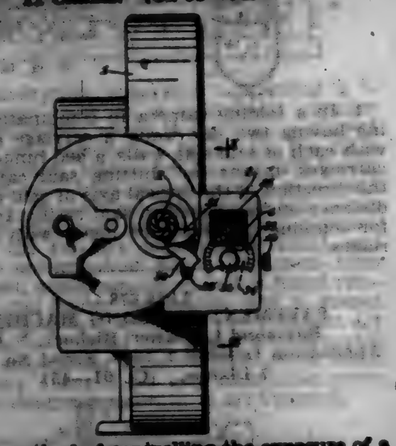
1. A structure of the class described comprising an adapter including an attaching disk, a tubular bearing carried thereby, a shaft mounted for rotation in said bearing, a pulley attached to one end of said shaft, governor means located on the interior of said pulley, a thrust sleeve slidably mounted on said bearing, said governor means surrounding said thrust sleeve, a lever attached to said adapter and adapted for connection with a carburetor throttle valve, and the lower end portion of said lever being constructed for cooperation with the adjacent end of said thrust sleeve.

2,026,074
PRESSURE STILL HEADER
Homer H. Edwards, Richmond, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Original application June 28, 1921, Serial No. 547,956, now Patent No. 1,966,923, dated February 20, 1934. Divided and this application January 19, 1934, Serial No. 707,062
6 Claims. (Cl. 285—39)



1. A fitting of the type described comprising an arcuate bend having a tangential threaded portion, wrench centering means on said bend opposite to and coaxial with said threaded portion and a nut for said threaded portion provided with spaced projections thereon with which a wrench may be engaged for turning said nut.

2,026,075
METHOD AND APPARATUS FOR CONTROLLING PHOTOGRAPHIC EXPOSURES
William A. Edwards, Santa Barbara, Calif.
Application April 2, 1935, Serial No. 14,247.
11 Claims. (Cl. 95—64)

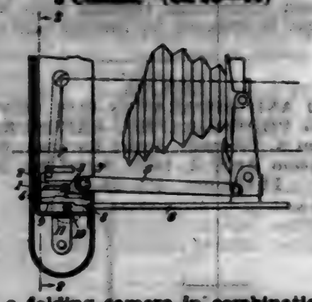


1. The method of controlling the exposure of a photographic emulsion in accordance with the luminosity of an object in a scene to be photographed, which comprises: variably illuminating a reflective member with light from a controllable source other than the scene to be photographed, said reflective member being positioned in the line of sight of an object whereby the luminosity of said reflective member in the said line of sight may be caused to visibly approximate the luminosity of the object, and controlling the exposure given a photographic film on which said scene is to be photographed in accordance with the variation in illumination used on said reflective member.

2,026,676
TREATMENT OF SOY BEANS
Lowell D. Gill, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application October 23, 1933, Serial No. 694,844
6 Claims. (Cl. 99—11)

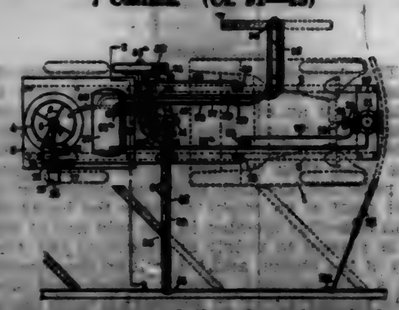
1. The process of removing objectionable flavor from soy beans in whole or in broken pieces, which comprises imparting to them an increased moisture content without extracting the solubles therefrom, then initially subjecting the beans to a temperature substantially higher than the boiling point of water and sufficiently high to remove the natural flavor but without scorching the beans; the time of said last named treatment being sufficiently long to remove substantially all of said flavor and reducing the temperature for final drying before said increased moisture content is eliminated.

2,026,677
FOLDING CAMERA
Leo Goldhammer, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application September 16, 1934, Serial No. 743,451
In Germany September 12, 1933
3 Claims. (Cl. 95—44)



1. In a folding camera in combination a casing having two side walls, a carriage connected with each of said side walls, a bed hinged to said carriages, means for shifting said carriages in the direction of the optical axis of said camera, a distance meter located in said casing and means for coupling said distance meter with said carriages.

2,026,678
PAVEMENT MARKING MACHINE
Raymond L. Hefner, Hickory, N. C.
Application October 2, 1933, Serial No. 691,837
7 Claims. (Cl. 91—45)



1. An apparatus of the class described comprising a chassis adapted for movement over the surface to be marked, an arm extending laterally from said chassis, paint applying means suspended from said arm and movable therealong and means actuated by forward movement of said chassis for causing lateral movement of said paint applying means along said arm.

2,026,679
FLOWERPOT DRAIN PLUG
Pattie Higgins, San Antonio, Tex.
Application July 19, 1935, Serial No. 32,196
2 Claims. (Cl. 47—34)



2. A drain plug for a flower pot consisting of, a hollow frusto-conical imperforate body having its lower end open and arranged to be placed over the drain opening of said flower pot, said body having a plurality of drain orifices in its lower peripheral edge portion, the aggregate area of said orifices being substantially equal to the area of the drain opening of the flower pot, said body also having an external annular shoulder at its lower end, the upper end of said shoulder extending above the orifices, whereby the pressure of the soil within the flower pot is not directed against said orifices.

2,026,680
FLUE CLEANER
Erik W. Jacobson, Chicago, Ill., assignor of one-half to Carl F. Nelson, Chicago, Ill.
Application December 17, 1934, Serial No. 757,708
4 Claims. (Cl. 15—242)



1. A flue cleaning tool comprising a stem, a plurality of spring steel blades along said stem arranged in axially and angularly spaced relation one to another, cup members arranged in pairs against opposite faces of a blade for spacing the blade axially and affording bearing engagement therewith radially outwardly of the stem, the two cup members per blade opening toward the blade with the margins of the cups against the blades, said cup margins having outwardly directed flanges with the flanges slightly curved in axial section providing bending surfaces for the blades and with the free margins of the flanges spaced from the blades to permit flexing of the blade ends in use.

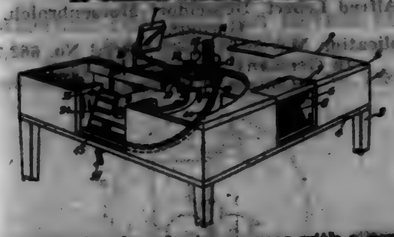
2,026,681
MEASURING DEVICE
Peter A. Jamieson, Chicago, Ill.
Application October 2, 1933, Serial No. 691,752
10 Claims. (Cl. 221—36)

1. In a dispensing device, a container and a plurality of dispensing members associated therewith, said dispensing members having a variety of different volumetric capacities, said dispensing members being positioned adjacent one end of the container and including spacing portions



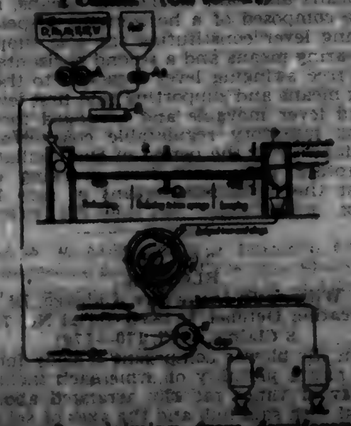
normally engaging the inner face at the end of the container, said dispensing members being pivoted for rotation about axes generally perpendicular to the end of the container.

2,026,682
APPARATUS FOR PLAYING GAMES
Oren L. Jeffries, Columbus, Ohio, assignor of one-half to L. J. Brown, Columbus, Ohio
Application May 1, 1933, Serial No. 668,725
15 Claims. (Cl. 273—144)



1. Apparatus for playing games with a number of chips having proper indicia thereon, which comprises means for receiving said chips and delivering them into a plurality of members adapted to conduct the chips to the proper players, said members being so disposed that none of the players can see or gain access to the chips disposed therein, and means for releasing chips from said members to the players.

2,026,683
TREATING FERRIFEROUS ORES
Friedrich Johannsen, Magdeburg, Germany, assignor to firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany
Application April 10, 1934, Serial No. 17,585
In Germany May 23, 1934
1 Claim. (Cl. 75—14)



Process of reclaiming from ferriferous raw materials ironlike compact metals reducible at higher temperatures than iron, which comprises causing a charge of the raw materials, mixed with reducing agents, to pass through a metallurgical furnace, agitating the charge therein and preheating it up to temperatures, at which the iron compounds of the material are converted into iron sponge—ranging from 800–900 centigrade, causing the charge to be further preheated up to temperatures, ranging from about 900–1400 centigrade, at which—while the companion metal compounds remain unreduced—the sponge iron is about to lump,—causing a current of oxidising gases to react with the preheated charge, whereby a proportion of iron of the sponge is burnt and additional heat is produced, sufficient for accomplishing the lumping of the iron of the sponge and for producing from the iron oxides and the slag forming constituents of the ore, which are fluxible by iron oxide, slags containing the companion metal compounds and iron oxides and being sufficiently liquid as to separate from the lumping iron, causing the iron oxides of said slags to be re-converted into lumped iron, while the companion metal compounds remain therein unreduced, and causing said slags and lumped iron to jointly leave the furnace and to be subsequently separated from each other.

2,026,684
DEMONSTRATION APPARATUS
Carl Edvard Johansson, Detroit, Mich.
Application October 18, 1933, Serial No. 694,077
11 Claims. (Cl. 35—19)

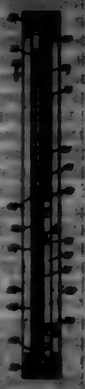


1. Demonstration apparatus comprising a U shaped metal member, a cylindrical member which normally fits snugly in the same, a support for one of said members, a holder for the other of said members, means for moving said holder toward and away from said support to cause said members to fit together periodically and hence frictionally grip each other when the temperatures of the two are substantially equal, and follow the movement of said holder away from said support, and means operating in timed relation with said holder for heating said U shaped member at intervals, when the two members are disengaged, to expand the same, whereby said members frictionally slide on each other when subsequently engaged but grip each other when the initial relative temperatures are restored.

2,026,685
SASH AND WINDOW FRAME
Godwin E. Johnson, New York, N. Y.
Application April 19, 1934, Serial No. 721,415
2 Claims. (Cl. 20—11)

1. In a sash and window frame the combination of a jamb for each vertical member of the window frame forming a sash pocket therewith, each jamb having an opening, a parting strip for each jamb, each slidably supported in said frame at the opposite sides of said parting strip, L shaped rubbers in each jamb at the upper and lower ends of its opening, each rubber comprising a horizontal member and a vertical member, a

stenchable cover for shell opening, a ribbed at the upper and lower ends of each cover, a parting strip member integral with each cover and projecting beyond the ends thereof, a projecting portion at the ends of each cover over the rabbet thereof, each cover when in closed position having its projecting portions seated in the horizontal members of the rabbet of the jamb adjacent thereto, the projecting portions of the parting strip member seated in the vertical members of the rabbets of the jamb and screws extending through the projecting portions of the cover and secured to the jambs.



2,026,636
BOLT
Arthur A. Kirby, New York, N. Y.
Application June 30, 1934, Serial No. 733,220
1 Claim. (Cl. 85—2.4)



A bolt of the nature described, comprising a shell having an outer wood screw thread and an inner machine screw thread, a split portion at one end of the said shell, the inner walls of the said shell being tapered at the said end, a screw adapted to enter the shell from the opposite end, and engage the inner thread, and a split washer on the screw abutting the unsplit shell and and the screw head for the purpose specified, the length of the screw being no longer than the combined length of the unsplit portion of the shell and the length of the washer.

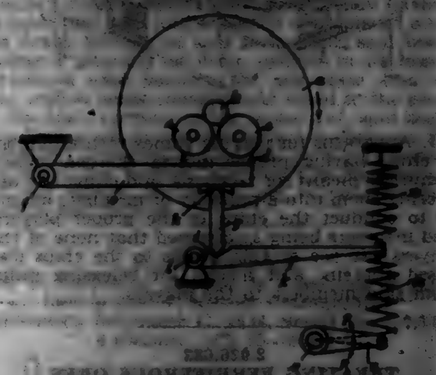
2,026,637
COMBINED FREIGHT AND TANK VEHICLE
Judge P. Lawrenson, Houston, Tex.
Application September 26, 1933, Serial No. 691,625
1 Claim. (Cl. 280—5)

A truck comprising a frame having side members formed of channel irons provided with upper and lower horizontal flanges, a body having a floor on the frame and having sides, carrier wheels on which the frame is mounted, an underslung tank of approximately the same width as that to the frame and located between the front and rear wheels and having longitudinal side flanges which are secured to the lower flanges of the frame, vertical sleeves between said upper



additionally support the load on the floor and in the tank underneath standards whose lower ends are fitted into the sleeves and to which the sides of the body are secured.

2,026,638
BALANCING MACHINE
Alfred Lebert, Duesseldorf-Obercassel, Germany
Application March 30, 1932, Serial No. 602,731
In Germany September 27, 1930
2 Claims. (Cl. 73—61)

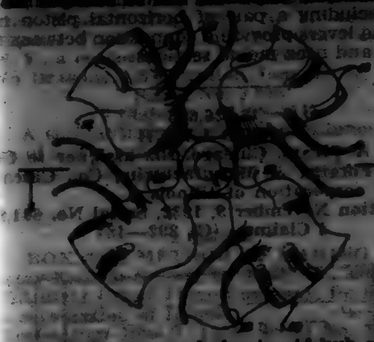


1. A balancing machine for determining the dynamic unbalance of a rotary body, comprising bearing means [illegible] means for driving said bearing means, a lever [illegible] means, a lever [illegible] said bearing means and said conditioning means, said leverage composed of a horizontally disposed free swinging lever constituting the sole support for the bearing means and a second horizontally disposed free swinging lever connected to the conditioning means and supporting said first lever, and a third lever movable and arranged for transmitting pulsatory regulatable counterforces in accordance with the period of the oscillations of said rotary body, said lever exerting directly against the conditioning means of said bearing means.

2,026,639
BLOWER
William H. Lebender, Chicago, Ill.
Application October 3, 1930, Serial No. 767,235
6 Claims. (Cl. 170—170)

1. An air blower comprising a body including a hub and a plurality of arms each including a plurality of vanes radially arranged about and integral with said hub and the arms of said vanes extending substantially parallel relative to each other and to the axis of said body, each of said

arms having an opening therethrough [illegible] an air [illegible] and [illegible] being radially arranged about said hub and providing an air fan at one axial end of the latter.



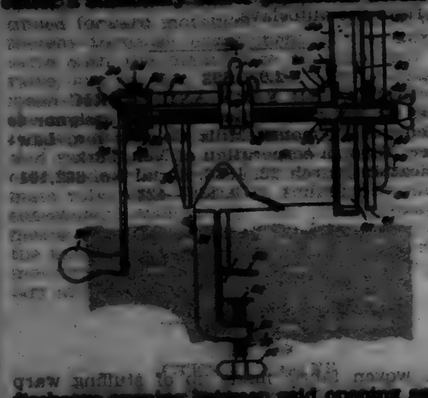
2,026,640
PRESSURE CONTROLLING DEVICE FOR GASOLINE PUMPS
David McCormick, Dunmore, Pa.
Application August 15, 1934, Serial No. 739,975
9 Claims. (Cl. 121—38)



1. In a liquid dispensing installation, including a pump, a source of liquid supply, and a discharge line for the liquid, a dynamic column device comprising a tube between the discharge line and the suction side of the pump, said tube being formed with a coiled portion to accommodate the overflow liquid, a valve means attached to one end of the tube to control the flow of liquid thereto and separate valve means at the other end of the tube to control the flow of said liquid to the pump.

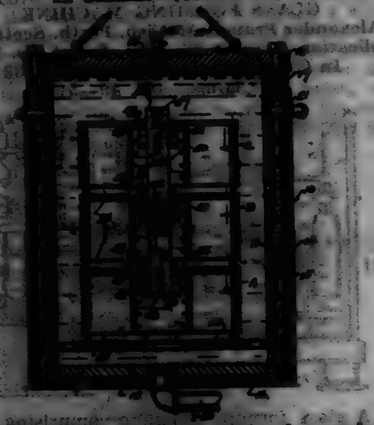
2,026,641
COMBINED SLICER, SHREDDER, AND DICER
Michael W. McArdle and Ivar Jeppesen, Chicago, Ill., assignors to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application March 28, [illegible] Serial No. [illegible]
3 Claims. (Cl. [illegible])

1. In a [illegible] rotary cutter, means for driving the cutter, a hopper provided with a discharge opening in close proximity to the cutter, and means for feeding the material in the hopper through said discharge opening and into said cutter, the combination [illegible]



discharge opening between said opening and the last mentioned rotary cutter comprising a lattice of cutter blades forming a plurality of extrusion openings, and a pressure plate carried on said feeding means, the plate having a ruled surface for entry into said extrusion openings to force the material therethrough.

2,026,642
PRESSING APPARATUS
William C. McDaniel, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application May 31, 1932, Serial No. 614,469
11 Claims. (Cl. 18—17)



11. In combination in apparatus for producing laminated sheet glass, an autoclave within which the laminated sheets are adapted to be subjected to heat and pressure, a plurality of containers for holding the laminated sheets within said autoclave, said containers being supported directly one upon the other and each comprising an imperforate vertical side wall, a plurality of spaced parallel, substantially rigid horizontal supporting members arranged within the container and upon the tops of which the laminated sheets are stood on edge and a wire netting disposed beneath said supporting members and forming the bottom of

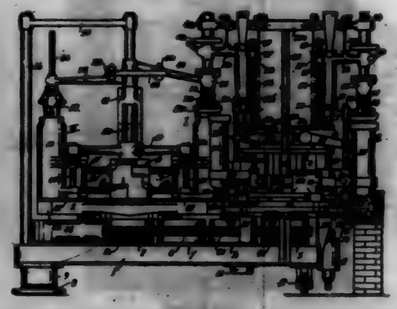
said container, means carried by certain of the containers and engaging other of said containers for aligning the same and for maintaining them in proper position relative to one another, means for detachably connecting the containers together, and means for lifting the containers vertically as a unit to place them within or remove them from the autoclave.

2,026,693
COMPOUND YARN AND FABRIC
Charles E. McLean, Methuen, Mass., assignor to Patchogue-Plymouth Mills Corporation, Lawrence, Mass., a corporation of New York
Application March 22, 1932, Serial No. 600,101
2 Claims. (Cl. 139—420)



1. A woven fabric made up of stuffing warp threads made of paper, holding warp threads made of twisted textile fibers; and a set of parallel top filling threads and a set of parallel bottom filling threads each of such filling threads being made up of a hard twisted core formed of a plurality of strands of paper slock roving twisted together and a covering of relatively thick, loosely twisted short fibers spirally coiled around such core, the filling yarn threads being longer than the core threads and being sufficiently bent by the warp threads to force the spiral covering to the top and bottom surfaces whereby relatively little of the core is exposed.

2,026,694
GLASS FORMING MACHINE
Alexander Francis McNish, Perth, Scotland
Application October 26, 1934, Serial No. 750,037
In Great Britain November 1, 1933
21 Claims. (Cl. 49—5)



1. A glass forming machine comprising a rotary blank mould table, suction blank moulds on said table, means for oscillating said table through part of a circle to move one mould on the table from a gathering position to a transfer position and to simultaneously return another mould on the table from a transfer position to a gathering position, a plurality of finishing moulds, means for transferring the charges from the blank moulds to the finishing moulds and means for imparting a to-and-fro movement to the blank moulds at the gathering position.

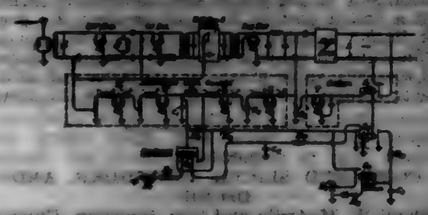
21. In a glassware forming machine, a partible neck mould including a pair of sections movable toward and away from each other along a straight line, means for imparting movement to the sections including a pair of horizontal piston motors, and levers providing connection between the motors and neck mould sections.

2,026,695
HOOD LATCH
Norton A. Mears, Chicago, Ill., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application November 9, 1932, Serial No. 641,971
4 Claims. (Cl. 292—48)



1. In an automobile hood closure having a lower edge terminating at one end at an elevation appreciably above that of the opposite end to provide a long end and a short end for said closure, means for securing the lower edge of said hood in closed position comprising a latch member adjacent to the lower edge of the hood at the short end thereof, a latch operating rock shaft extending inwardly of the hood from said short end, a second latch member adjacent to the lower edge of the hood at the long end thereof, a second latch operating rock shaft extending inwardly of the hood from said long end of the hood, said rock shafts being operatively connected respectively to the first and second mentioned latch members, and a single latch operating means positioned on said closure intermediate said latch members, and operatively connected to both of said rock shafts.

2,026,696
SIGNALING SYSTEM
Doren Mitchell, Round Brook, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 29, 1933, Serial No. 704,357
25 Claims. (Cl. 178—44)

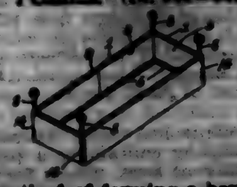


1. In a system for the reception of signals, including a receiver and means responsive to the reception and non-reception of distinctive energy for governing the receiver, the method of transmission control which consists in adjusting the gain of the receiver while the governing energy is being received in accordance with the intensity of said energy, and in the absence of said energy maintaining said gain at the value last established for a time not in excess of a predetermined period.

2,026,697
PREVENTION OF OXIDATION
Sidney Blacher, New York, N. Y., assignor to Mosher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application January 28, 1935, Serial No. 2,576
7 Claims. (Cl. 99—11)

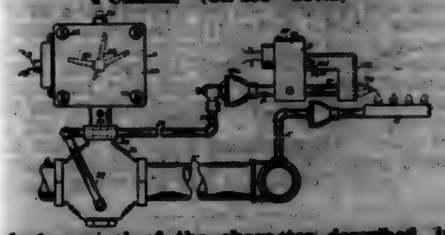
2. A substantially solid food substance in the form of discrete masses carrying a dust of protective antioxidative material on the surfaces thereof.

2,026,698
BOX AND METHOD OF MAKING IT
Gustav Reuben Nelson, De Kalb, Ill., assignor to Wurlitzer Grand Piano Company, De Kalb, Ill., a corporation of Illinois
Application June 7, 1934, Serial No. 729,435
7 Claims. (Cl. 144—309)



7. The method of forming a box corner which includes joining two adjacent box sides with a layer of flexible material, while spacing the adjacent edges of the box sides sufficiently far from each other to permit them to be bent, with the flexible material, to form a box corner, applying an adhesive to the face of the flexible material and to the ends of the box sides, positioning a heated forming member in the said space and adjacent said adhesive, bending the flexible material and moving the adjacent side members to their desired final position or angle, thereafter withdrawing the heated forming member, and positioning a permanent backing member in the space previously occupied by said heating member, while the adhesive is still soft.

2,026,699
THERMAL-ELECTRIC CONTROL
Howard W. Partlow, Utica, N. Y., assignor to The Partlow Corporation, New Hartford, Conn., a corporation of New York
Application May 6, 1935, Serial No. 19,929
4 Claims. (Cl. 158—117.1)



1. A control of the character described, including a source of fuel supply, a main burner, a pilot burner in lighting relation to the main burner and connected to the source of fuel supply of the main burner, a main valve normally biased toward closed position for controlling the fuel supply to the main burner, an auxiliary valve for controlling the supply of fuel to the pilot which upon movement in one direction opens said main valve, manually operable means, means connecting the manual means and the auxiliary valve to initially open said auxiliary valve when the manual means is moved a predetermined distance in one direction, tensioned latch means to retard further opening movement of said manual means until the pilot is ignited and thermo-magnetic means operable by said pilot to move said latch means out of the path of said manual means, whereby to permit continued forward movement of the manual means thereby to cause engagement of the auxiliary valve with the main valve to open said main valve, and to also cause said thermo-magnetic means to effect movement of the latch means into the return path of the manual means to prevent retrograde movement thereof and the closing of said valves, said auxiliary valve being formed to close under the normal closing movement of the main valve upon failure of the burners and the subsequent cooling of the thermo-magnetic means and withdrawal of the latch means from the path of the manual means to permit reverse movement thereof and the closing of said auxiliary and main valves.

2,026,700
UTENSIL COVER
Herman H. Pearl, Garden City, N. Y.
Application June 26, 1933, Serial No. 677,963
6 Claims. (Cl. 53—1)



1. A culinary container comprising a vessel and a cover, a bead on the cover, a bead on the vessel, the vessel bead having a recess, a spring plate within said recess extending normally beyond the vessel bead and adapted to be pressed inwardly of the vessel bead by the cover bead when the same is applied to the vessel, said spring plate being adapted to engage the inner part of the cover bead when the cover has been applied to the vessel.

2,026,701
UTENSIL COVER
Herman H. Pearl, Floral Park, N. Y.
Application March 26, 1935, Serial No. 13,166
9 Claims. (Cl. 53—8)



1. A cover for vessels, having a knob for the cover, a headed stem engaging the bore of the knob and having at its other end upset flanges extending beyond the knob and having flattened sides in proximity to the flanges, and a plate adjacent said cover having projections engaging the knob after passing through holes in the cover, said plate abutting the upset flanges of the stem and said plate having a central opening of the same configuration as the configuration of the flattened end of the stem.

2,026,702

COAL-CUTTING MACHINE

Richard Franklin Pescod and Henry Reginald Hornsby, Birtley, and George William Newell Harrison, Low Fell, England, assignors to Anderson, Boyes & Company Limited, Motherwell, Lanarkshire, Scotland, a company of Great Britain

Application September 19, 1935, Serial No. 40,984
In Great Britain February 28, 1934
2 Claims. (Cl. 262—30)



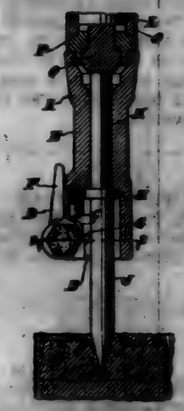
1. The combination with a coal-cutting machine of the chain-cutter type having a cutter-chain driving-sprocket of a cutting-sweeping device comprising an impeller constituted by a plurality of blades and a blade-carrying chain confined to move in an elliptical path which is disposed obliquely of the axis of the cutter-chain driving-sprocket, so that the blades descend as they enter the zone of accumulation of the cuttings and ascend as they leave said zone to throw the cuttings forcibly upon and along the parapet of cuttings disposed in the wake of said machine and parallel with the line of cut.

2,026,703

BEARING FOR STEEL RETAINERS

Arthur E. Peters, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application September 8, 1932, Serial No. 632,128
1 Claim. (Cl. 308—21)



A bearing for a retaining member, comprising a pair of supports spaced to receive the member therebetween, bushings threaded into the supports and having recesses opening from the inner ends of the bushings, an imperforate pivot pin for the retaining member extending with its ends into the recesses and being of less length than the distance between the outer extremities of the recesses to permit of endwise movement of the pin in the recesses, and shoulders on the bushings frictionally engaging the outer sides of the supports to retain the bushings

2,026,705

VALVE

Gregory A. Pabst, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

Application July 26, 1934, Serial No. 736,794
9 Claims. (Cl. 50—13)



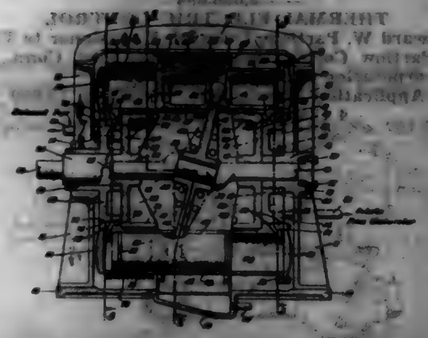
1. A motor-controlled valve assembly which comprises a housing containing a pair of diaphragms of different areas, means for admitting a fluid under pressure into the housing between the diaphragms, a spring-pressed stem operatively connected to the diaphragms, a second housing, a valve and seat in said second housing, said valve and seat being in contact when the device is inoperative, and a spring-pressed stem connected to said valve and in position to be moved by said first stem, the spring acting on the stem connected to said diaphragms being stronger than the spring acting on the stem connected to said valve.

2,026,706

COMBUSTION ENGINE

Theodore Pratt, Glen Cove, N. Y.

Application November 21, 1931, Serial No. 576,518
20 Claims. (Cl. 123—43)



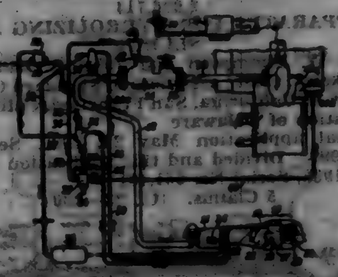
7. A combustion engine including in combination, a rotatable wheel member having a series of cylinders arranged around the periphery thereof, and a stationary valve ring fitted within said wheel, said valve ring having a gas receiving recess therein adapted to supply combustible gas to said cylinders as they pass thereover, a second valve ring having a firing recess therein, firing means in said firing recess for originally igniting a continuous firing medium in said recess which in turn ignites the gases in each cylinder as they pass successively over the same

2,026,707

LOCOMOTIVE

Montague H. Roberts, Englewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y., a corporation of Delaware

Application May 14, 1932, Serial No. 611,210
4 Claims. (Cl. 105—43)



1. In a locomotive, the combination of a main driving engine, a booster motor, a main throttle valve for controlling the supply of steam to said engine and to said motor, booster controlling mechanism including a throttle valve therefor, and slip control mechanism for the engine, and for the motor including a slip control valve for said engine, an actuating device for closing the booster throttle, and a common controlling means for said device and said slip control valve.

2,026,708

WALL ORNAMENT

Joseph Rubin, Brooklyn, N. Y., assignor to Rubin & Deutsche, New York, N. Y., a copartnership consisting of said Joseph Rubin and Otto H. Deutsche

Application April 21, 1934, Serial No. 721,498
3 Claims. (Cl. 41—22)

1. A wall ornament simulating a figure in bed, said ornament comprising a relatively deep frame having a glass near the front of the frame, a back near the back of the frame and spaced from the glass, and a figure therebetween, said figure comprising a molded head and fabric materials overlying a part of the molded head



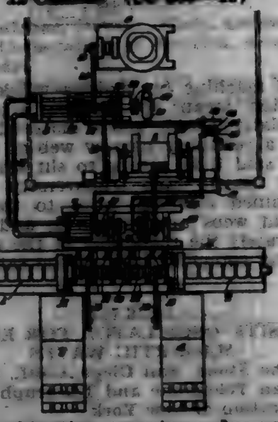
and tensioned up or folded to produce a natural appearance of depth, and a bed cover simulation overlying a part of said figure and extending over a substantial part of the frame area.

2,026,709

POWER SWIVEL FOR WELL DRILLING

Walde Sheldon, South Norwalk, Conn.

Application November 28, 1932, Serial No. 644,978
12 Claims. (Cl. 255—19)



4. In combination, a rotary, draw-works and an engine, direct drive mechanical connections from the engine to the draw-works and variable speed reversible hydraulic drive transmission from the engine to the rotary, means for selectively governing said two driving trains and a controllable drive between rotary and draw-works.

2,026,710

SIGNAL LIGHT FOR MOTOR VEHICLES

Harold O. Smith, Indianapolis, Ind.

Application June 26, 1933, Serial No. 678,511
3 Claims. (Cl. 177—329)

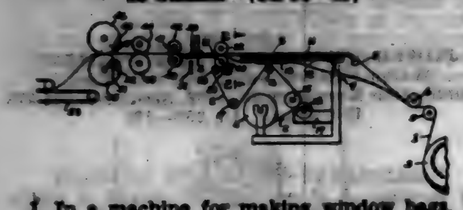
1. In a direction signal light for motor vehicles, a light front having inwardly disposed arrow head pointer light openings which are at the right and left sides of said front, respectively, with their points substantially meeting at the center and flaring toward the rear of each arrow head, leaving a space above and a space below

said points between the outer rear ends of said arrow heads and a light opening in one of said



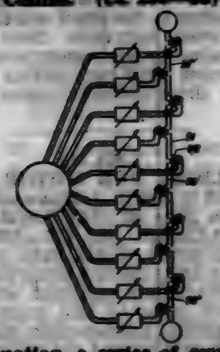
spaces substantially in vertical alignment with said arrow points.

2,026,711
METHOD OF AND APPARATUS FOR MAKING WINDOW BAGS
Harold Smithwick, Scarsdale, N. Y., and Peter Halbe, Cranford, N. J., assignors, by mesne assignments, to Bemis, Inc., a corporation of Delaware
Application May 4, 1931, Serial No. 539,344
15 Claims. (Cl. 93—19)



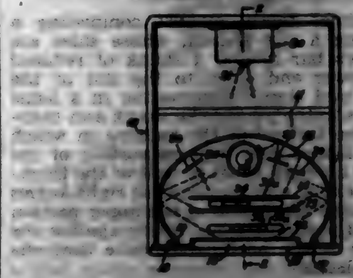
1. In a machine for making window bags, in combination, means for forming a partial tube from a relatively wide web of material, means for applying a relatively narrow web of material to complete said tube, means to slit smoothly said relatively narrow web transversely thereof at predetermined intervals prior to the point at which said webs are combined, and means to sever serrately the remainder of the tube transversely and coincidently with the said slits.

2,026,712
COMPOSITE OSCILLATOR FOR ELECTRO-MAGNETIC WAVES
John Stone Stone, San Diego, Calif., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 1, 1922, Serial No. 563,926
4 Claims. (Cl. 250—33)



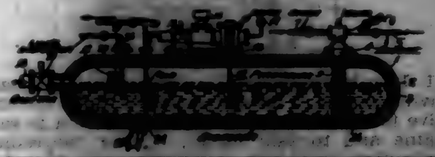
1. In combination, a series of equal linear oscillators arranged lengthwise and consecutively along a common line, each oscillator being tuned to the same comparatively short wave-length, each oscillator lapping half-way past both consecutively adjacent oscillators in series, capacity areas connected to the end oscillators of the series, respective energy transmitting circuits connected with the oscillators, and phase adjusters in said circuits to keep said oscillators in the same phase.

2,026,713
MEANS AND METHOD OF DISPLAYING PICTURES
Ivan Melville Turvilliger, Altadena, Calif.
Application June 15, 1934, Serial No. 731,077
9 Claims. (Cl. 40—132)



3. In a picture display means, in combination, a plurality of translucent picture panels arranged in a front to rear spaced relationship, a source of light behind all of said plates directing a part of its light forwardly through them, and means to reflect another part of the light from said source around the rearmost plate and upon a plate in advance of said rearmost plate.

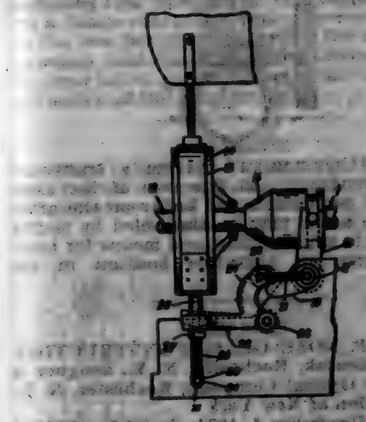
2,026,714
APPARATUS FOR HYDROLIZING ACID SLUDGE
Harry W. Thompson and John T. Rutherford, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Original application May 27, 1926, Serial No. 455,999. Divided and this application January 13, 1933, Serial No. 641,491
5 Claims. (Cl. 12—39)



1. An apparatus for hydrolyzing acid sludge, including a retort having a tar withdrawal means, and an inverted weir, between the tar withdrawal means and the main body of the retort, operative to permit the flow of a tar from substantially only the interface between the acid and tar layers within said retort to the tar withdrawal means, said inverted weir being disposed at least as high as approximately the center of said retort.

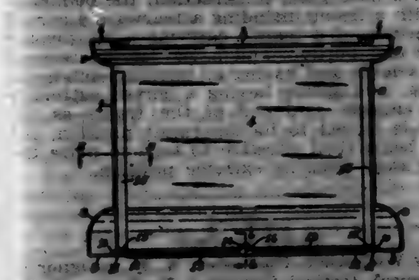
2,026,715
EXTERNAL CONTRACTING BRAKE
Ralph S. Tyler, Cleveland Heights, and William M. Reichart, Cleveland, Ohio, assignors to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio
Application February 26, 1932, Serial No. 595,339
2 Claims. (Cl. 188—77)

1. In a brake for a paper cutting machine or the like, a brake drum, a brake band encircling said drum having a lining adapted to engage the surface of said drum and a stem secured directly to and extending from one end of the band, said stem being tangential to said brake drum, a fixed element on said stem, a slidable collar on said stem, a coil spring mounted on said stem between



said fixed element and collar, means for tensioning said brake band including a lever having an arm operative to depress said collar and spring against said fixed element, and means for releasing said brake band, said last-named means including said lever and a spring for actuating said lever.

2,026,716
METAL CASKET
Walter E. Wallace and David Bell, Wayne County, Ind.
Application April 20, 1934, Serial No. 723,141
2 Claims. (Cl. 27—6)



1. A sheet metal burial casket comprising joined side and end walls including longitudinal outwardly extending bowed portions along their edges terminating in inwardly directed flanges having longitudinally extending beads therein, said flanges and bowed portions forming a pocket along said edges, a bottom plate associated with said flanges forming a base therewith and braces adjoining the junctures of said side and end walls extending upwardly along said walls bridging said pocket in spaced relation to the outwardly extending bowed portions and resting upon said beads thereby providing for the reception directly by said flanges of load stresses upon said walls and preventing collapse of the walls forming said pocket.

2,026,717
LAMINATED GLASS
George B. Watkins, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 20, 1928, Serial No. 273,781
Renewed November 6, 1933
2 Claims. (Cl. 49—81)

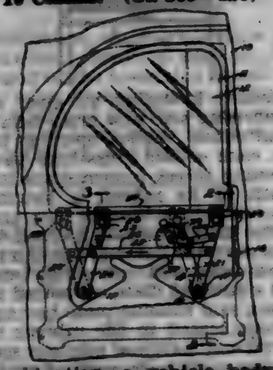


1. As a new article of manufacture, a sheet of laminated glass consisting of two sheets of glass and an interposed non-brittle membrane treated with a mixture of esters of phthalic acid.

2,026,718
ELECTRODEPOSITION OF METALS
Louis Weisberg and William B. Stoddard, Jr., New York, N. Y., assignors to Weisberg & Greenwald, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 30, 1935, Serial No. 13,913
22 Claims. (Cl. 204—14)

1. The method of electrodepositing nickel which comprises electrolyzing a solution containing a nickel salt from the group consisting of sulphates and chlorides, in the presence of an ammonium salt, a formate and formaldehyde.

2,026,719
WINDOW SUPPORT AND REGULATING DEVICE
Fred J. Westrope, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application November 20, 1933, Serial No. 698,747
10 Claims. (Cl. 268—126)

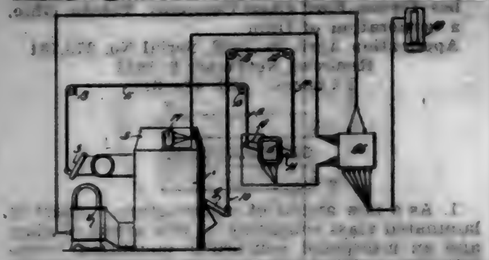


1. In combination, a vehicle body having a window opening, a window movable forwardly and rearwardly across said opening, a pair of arms pivoted at their lower ends below said window opening and near their upper ends to said window, means pivotally connecting the arms for united movement about their lower pivots to open and close the window, said arms constituting the sole support for the window.

2,026,720
CONTROL SYSTEM FOR HEATERS
Theodore A. Wetzel, Warrenton, Wis., assignor to Automatic Products Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 29, 1932, Serial No. 647,369
8 Claims. (Cl. 236—11)

1. A heater control comprising a damper, a fan for circulating air through the heater, a

damper regulator, a room thermostat controlling the damper regulator, a thermostatic switch controlling the action of the fan, and a time limit



switch subject to the influence of fan operation and exercising a dominant control over the damper for closing the same when the fan is operated for a predetermined period.

1,986,711

WASHBOARD

Harlan B. White, Bogalusa, La.

Application December 8, 1934, Serial No. 756,643

1 Claim. (Cl. 68—23)



A washboard including an open rectangular frame comprising side and cross bars each having a longitudinal rabbet opening inwardly of the frame, each of said cross bars having an inwardly opening recess intermediate its ends and in the path of its rabbet, a longitudinal bar mounted intermediate the side bars and connecting the cross bars, said longitudinal bar having beveled end portions passing through the rabbets of the cross bars and extending into said recesses, and a rubbing plate supported by the longitudinal bar, said rubbing plate having side marginal portions seated in the rabbets of the side members and end marginal portions seated in the rabbets of the cross bars, each of said end marginal portions being centrally clamped between a beveled end portion of the longitudinal bar and a wall of a cross bar rabbet.

2,026,722

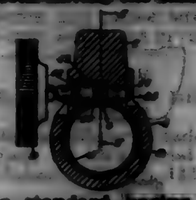
MICROSCOPE

Andrew Wollensak, Rochester, N. Y., assignor to Wollensak Optical Company, Rochester, N. Y., a corporation of New York

Application December 4, 1934, Serial No. 755,968

4 Claims. (Cl. 88—39)

1. A microscope comprising a standard and a supporting sleeve integral therewith, a lens tube adjustably mounted in the supporting sleeve and having a series of transversely arranged serrations in its wall affording rack teeth, and operating means for the lens tube comprising an arbor, pinion teeth on the arbor engageable with said rack teeth on the lens tube, a reduced portion on the arbor on one side of said pinion teeth, a bearing in the standard for said reduced portion, a collar on said arbor on the other side of the pinion teeth having the same diameter as



the pinion, the standard having a transverse opening extending from one side of the same diameter as said pinion and collar on the arbor whereby the arbor may be assembled by sliding it endwise into said opening, and means for holding the arbor in operative position in the standard.

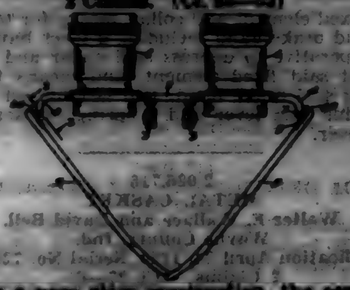
2,026,723

BINOCULAR NOSE GLASS CONSTRUCTION

Andrew Wollensak, Rochester, N. Y., assignor to Wollensak Optical Company, Rochester, N. Y., a corporation of New York

Application December 4, 1934, Serial No. 756,961

2 Claims. (Cl. 88—37)



1. In a nose glass construction, the combination with a frame including a rearwardly curved end portion, of a temple carrying a lug pivoted to said end portion, and a leaf spring secured to the temple and having an opening embracing said lug, said spring having a curved extremity which engages said end of the frame as the temple is moved to its outermost position, the spring being then effective to tend to move the temple away from its extreme position.

2,026,724

LENS MOUNT

Andrew Wollensak, Rochester, N. Y., assignor to Wollensak Optical Company, Rochester, N. Y., a corporation of New York

Application January 14, 1935, Serial No. 1,001

3 Claims. (Cl. 88—57)



2. In a lens mount, the combination with a support having a vertical wall and a lens barrel

adjustable endwise of the support, yieldable instrumentalities located between said vertical wall and the lens barrel comprising acting and reacting of spring elements each having one end directly attached to said ring and extending thence away from thereby affording a series of free cantilevers yieldably press against the lens barrel, and an adjusting ring threaded on said support and having a flange engageable with a cooperating flange on the lens barrel for actuating the latter in one direction, said spring elements serving to actuate the lens barrel in the opposite direction against the action of the adjusting ring.

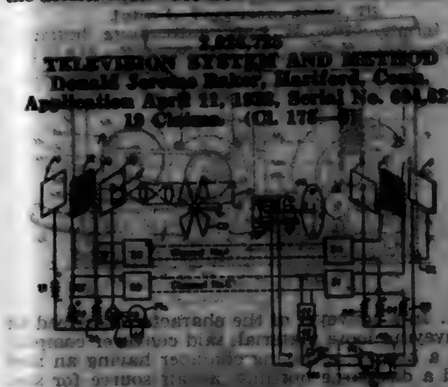
2,026,725

TELEVISION SYSTEM AND METHOD

Donald Jerome Bayer, Hartford, Conn.

Application April 12, 1932, Serial No. 604,822

19 Claims. (Cl. 178—7)



1. In a television system the combination of a transmitting station and a receiving station, a pair of transmission channels connecting said stations, each of said channels including a linear conductor arranged at both of said stations, means at said transmitting station for forming an image of an object to be transmitted, means for simultaneously impressing upon different linear portions of one of said transmission conductors current impulses corresponding in intensity to the light values of successive elementary areas of the image arranged in parallel lines crossing the image in one direction, means for simultaneously impressing upon different linear sections of the second transmitting conductor current impulses corresponding in intensity to the light values of successive elementary areas of the image arranged in parallel lines crossing the image at right angles to said first parallel lines, means for periodically interrupting the light rays forming said image, means at the receiving station including one of said receiving conductors for distributing the current impulses from one of said channels over an area in the same order in which said impulses were derived from said image, means including said second receiving conductor for distributing the current impulses from the second channel over a like superimposed area in the same order in which said impulses were derived from said image, and means controlled by the joint action of said two receiving conductors for translating said superimposed current impulses into corresponding light variations.

2,026,726

APPARATUS FOR TREATING ADHESIVES

Charles A. Ball, Chicago, Ill., assignor to Chicago Bolting Company, Chicago, Ill., a corporation of Delaware

Application February 23, 1934, Serial No. 712,457

6 Claims. (Cl. 91—44)

1. Means for treating adhesive and the like for use in a bolt manufacturing machine, said means comprising a container adapted to receive a solution, means for positioning an adhesive sheet in said solution, and means adapted to withdraw said sheet from said solution at the termination of a predetermined period,



whereby the sheet may immediately be used, including a manually operable holding member and timing means operable in response to movement of said holding member downwardly toward the solution.

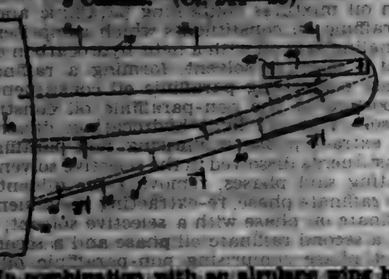
2,026,727

AIRFOIL CONSTRUCTION

George E. Barnhart, Pasadena, Calif.

Application March 25, 1933, Serial No. 662,748

9 Claims. (Cl. 244—39)



9. In combination with an airplane wing having a substantially fixed top surface: a plurality of flaps hinged in the underside of said wing and arranged so as to wash the air inwardly from the root of the wing and the tip of the wing toward the center of the wing when they are open; and means for operating said flaps.

2,026,728

AIRFOIL CONSTRUCTION FOR AIRPLANES

George E. Barnhart, Pasadena, Calif.

Application March 25, 1933, Serial No. 662,747

2 Claims. (Cl. 244—39)



1. In combination with an airplane wing having a substantially fixed portion: flap means swingably mounted on the underside of said wing at the trailing edge thereof and extending substantially the full span of said wing; means for actuating said flap means; an auxiliary vane hinged to the under surface of said wing ahead of said flap means; and means for actuating said auxiliary vane, said flap means comprising a plurality of flaps having their leading edges positioned so as to wash the air stream from the root and tip of the wing toward an intermediate portion thereof.

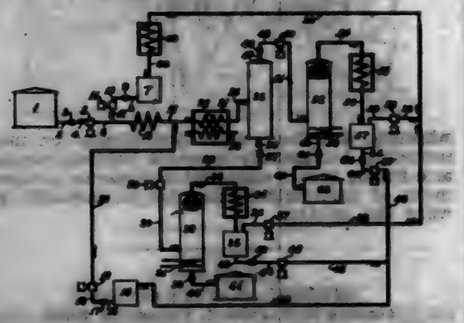
2,026,720

PROCESS FOR PRODUCTION OF LUBRICATING OIL

Ulric B. Bray, Los Angeles, and Claude E. Swift, Glendale, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application November 28, 1933, Serial No. 644,576

6 Claims. (Cl. 196—13)



1. A process for the fractionation of hydrocarbon oil mixtures containing paraffinic and non-paraffinic oil constituents which comprises commingling said oil with a light hydrocarbon diluent and a selective solvent, forming a raffinate oil phase comprising paraffinic oil constituents and a portion of the non-paraffinic oil constituents dissolved in the light hydrocarbon diluent and an extract phase comprising non-paraffinic oil constituents dissolved in the selective solvent, separating said phases, removing the diluent from the raffinate phase, re-extracting the diluent-free raffinate oil phase with a selective solvent, forming a second raffinate oil phase and a second extract phase comprising non-paraffinic oil fractions dissolved in the selective solvent and separating said second formed phases.

2,026,729

MANUFACTURE OF ARTIFICIAL FILAMENTS OR THREADS

Henry Dreyfus, London, England

No Drawing. Application January 4, 1929, Serial No. 330,496. In Great Britain January 23, 1928

5 Claims. (Cl. 18—54)

3. Process for the production of voluminous filaments of a cellular or tubular character, which comprises dissolving an organic derivative of cellulose in a solvent medium containing at least two volatile constituents whose boiling points differ by at least 40° C., at least one of which is itself a solvent for the cellulose derivative, the quantity of the lower boiling constituents being from about 50% to 75% of the total solvent medium employed, and dry spinning the solution at temperatures near to, but, at the most, not substantially exceeding the boiling points of the higher boiling constituents.

2,026,731

PROCESS FOR THE PRODUCTION OF UNSATURATED HYDROCARBONS FROM PARAFFINS

Henry Dreyfus, London, England

No Drawing. Application March 10, 1933, Serial No. 661,587. In Great Britain April 23, 1932

6 Claims. (Cl. 196—170)

1. Process for the manufacture from saturated hydrocarbons of boiling point below 150° C. of hydrocarbons containing a lower percentage of hydrogen, comprising heating said saturated hydrocarbons in the gaseous phase at temperatures between 360 and 600° C. in the presence of liquid or semi-liquid compositions containing more than 80% free carbon in a finely divided form.

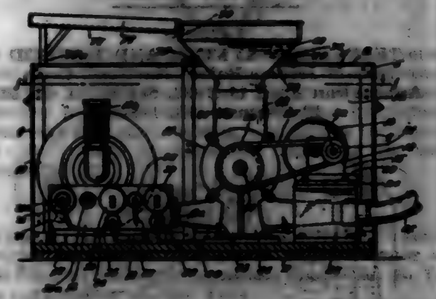
2,026,732

PNEUMATIC CONVEYER

Joseph A. Farley, West Hartford, Conn.

Application July 19, 1932, Serial No. 623,126

5 Claims. (Cl. 302—66)



1. In a conveyer of the character described for conveying loose material, said conveyer comprising a hopper, a mixing chamber having an inlet and a discharge opening, an air source for supplying a current of air thru said mixing chamber, an opening from said hopper into said mixing chamber and means for supplying said material into said mixing chamber, a breaker plate in said mixing chamber for breaking and agitating the air current therethru, and baffle plates located before the discharge opening in said mixing chamber for further agitation of air currents.

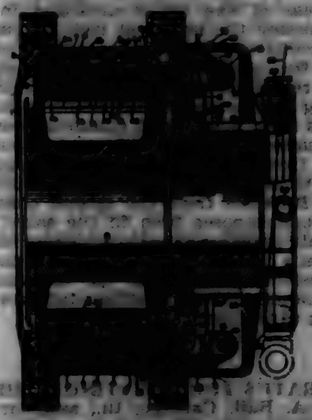
2,026,733

FRICTION CLUTCH

Gustave Fast, Annapolis, Md., assignor to Gustave Fast Engineering Corporation, Annapolis, Md., a corporation of Maryland

Application October 5, 1932, Serial No. 636,515

26 Claims. (Cl. 192—69)



1. In a device of the class described a driving member, a driven member, a set of elastic friction elements associated with said driving member, a set of elastic friction elements associated with said driven member and adapted to cooperate with said first mentioned set to set up elastic stresses therein, one set of said friction elements being provided with friction surfaces of semi-plastic material, and means for causing the friction elements of said first set to engage the friction elements of said second set to establish said elastic stresses, certain of said elements being subjected only to expanding forces and other of said elements being subjected only to compressing forces.

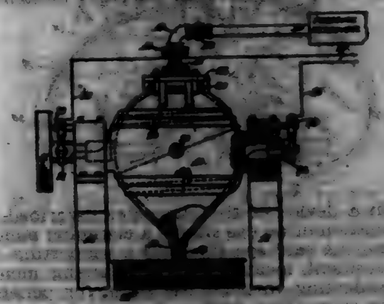
2,026,734

APPARATUS FOR PUFFING CEREALS

John L. Ferguson, Joliet, Ill.

Original application May 24, 1930, Serial No. 454,515. Divided and this application April 22, 1931, Serial No. 531,939

2 Claims. (Cl. 99—8)



1. In an apparatus for puffing grains, an enclosed chamber, means for raising the pressure in said chamber, means for suddenly opening said chamber whereby the grains under pressure in said chamber are expelled therefrom and are thereby puffed, and means for insuring the existence of substantially the same pressure differential on the last grains expelled from said chamber as on the first grains expelled therefrom.

2,026,735

TREATMENT OF TEXTILE FIBERS

Augustus H. Gill, Belmont, Mass., assignor to The Gill Corporation, Cambridge, Mass., a corporation of Delaware

No Drawing. Application October 18, 1932, Serial No. 638,043

8 Claims. (Cl. 91—6)

1. A process of preparing for textile fiber treatment a fatty acid oil associated with linoleic acid, which comprises selectively hydrogenating said oil to a stage where substantially only the linoleic acid has been largely transformed into oleic acid, thereby substantially preserving the fluidity of the oil for fiber treatment while largely eliminating therefrom a constituent that tends to gum on the fiber.

2,026,736

PROCESS FOR THE MANUFACTURE OF WOOLLY THREADS

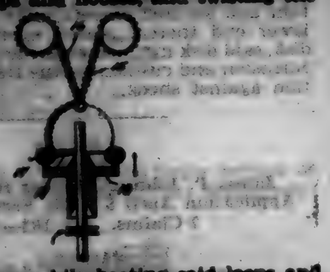
Wolfgang Gruber, Bayrhamme, Germany, assignor to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie, G. m. b. H., Munich, Germany, a corporation of Germany

Application November 29, 1933, Serial No. 700,313

In Germany December 1, 1928

3 Claims. (Cl. 117—3)

1. Process of manufacturing woolly threads which comprises forming open threads of artificial silk into a plurality of bundles, twisting said bundles of threads together under unequal tension to form loops and nooses, and twisting the



whole into a yarn while beating said loops and nooses apart.

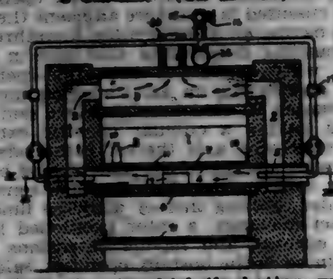
2,026,737

LEHR

Leon J. House, Sr., Point Marion, Pa., assignor to L. J. House Convex Glass Company, a corporation of Pennsylvania

Application June 2, 1934, Serial No. 728,739

5 Claims. (Cl. 49—47)



1. A muffle lear in which the bottom wall of the muffle chamber is of a material of relatively high heat penetrability and the side-walls and roof are of other material of relatively low heat penetrability, with means for causing flame to impinge upon the bottom wall and the products of combustion, flowing thence, to envelop the muffle chamber externally.

2,026,738

SALT SHAKER OR THE LIKE

James W. Jennings, Providence, R. I.

Application December 28, 1934, Serial No. 758,453

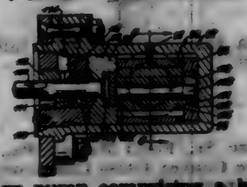
1 Claim. (Cl. 65—45)



A shaker comprising an imperforate metallic base having a tubular upstanding shoulder portion, said base having a relatively wide disk-like portion of appreciably greater diameter than the tubular shoulder portion with a narrow supporting flange at its periphery, said shoulder portion having a closed bottom, a flat relatively thin disk of non-corrosive cushioning material seated upon said bottom and approximately covering the same from side to side, and a globular hollow body of frangible material having dispensing perforations in the top thereof, said body having

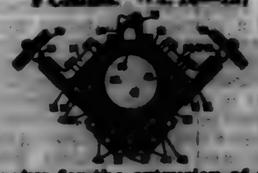
a relatively small depending neck provided with interfitting engagement with the shoulder portion and secured thereto, said neck having the lower end thereof seated upon the cushioning disk, said disk insulating the metallic base against corrosion and cushioning the frangible body portion against shock.

2,026,739
PUMP
James P. Johnson, Shaker Heights, Ohio
Application April 8, 1933, Serial No. 665,151
7 Claims. (Cl. 103—137)



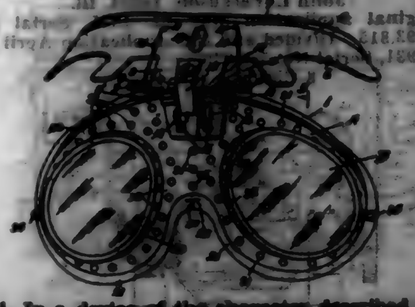
1. A rotary pump comprising a housing having an axial bore therein closed at one end and provided with fluid inlet and outlet openings, a bushing mounted in said bore adjacent the closed end and having an axial opening therethrough, a second bushing mounted in said bore in spaced relation with respect to said first-mentioned bushing and having an axial opening therein, a liner mounted in said bore between said bushings and having a circular opening extending therethrough, the axis thereof being offset but parallel with respect to the axis of said bushing openings, said liner having openings connecting the circular opening thereof with the fluid inlet and outlet openings, a rotor positioned in said circular opening and having extensions rotatably mounted in the bushing openings, said rotor having an axial bore extending inwardly from the closed end of said housing and having a running engagement with the inner periphery of said liner between the fluid inlet and outlet openings, said rotor having longitudinal slots extending through the wall thereof in spaced, angular relation, blades slidably mounted in said slots and having their outer ends engageable with the inner periphery of said liner, a roller member positioned in the bore of said rotor and engageable with the inner ends of said blades for normally maintaining the latter in predetermined relation, a shaft connected to the closed end of said rotor and extending outwardly axially thereof beyond said housing, and detachable means closing the open end of said housing.

2,026,740
EXTRUSION APPARATUS
Edward Kinsella and Robert Jabez Ward, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application October 27, 1933, Serial No. 695,290
In Great Britain November 10, 1932
5 Claims. (Cl. 18—15)



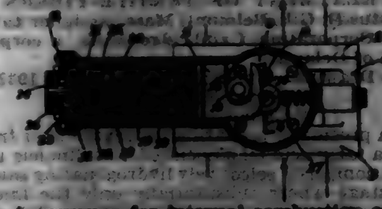
1. Apparatus for the extrusion of sheets, films, foils and the like, said extrusion apparatus comprising a solid body of material having flat surfaces adapted to form a rigid support for plate-like members constituting the jaws of an extrusion slit, said body being formed with a longitudinal passage running along the length of said slit and communicating therewith through a series of smaller passages so as to feed the material to the whole of said slit.

2,026,741
SHIELD
Earl E. Klotz, Bucyrus, Ohio
Application December 16, 1932, Serial No. 647,611
5 Claims. (Cl. 2—10)



1. In a device of the character described, the combination of an eye shield, a clamping member for securing said eye shield to a supporting surface, resilient means on said clamping member and projecting through the same for penetrating the supporting surface to assist in securing the clamp thereto, means for mounting said clamping member on said eye-shield, said means comprising a hinge slidably mounted upon the eye shield, and resilient means for continually biasing said hinge toward an open position irrespective of the extent to which the hinge is open.

2,026,742
GOVERNOR
Edward Kinnear, Sacramento, Calif.
Application September 22, 1931, Serial No. 564,371
9 Claims. (Cl. 137—153)



1. A governor for internal combustion engines comprising a vacuum responsive member, a valve connected with and operated by such member to control the flow of fuel to the engine, such valve comprising a casing having a passageway therethrough, a valve gate in the passageway, a central pivot for the gate, the opposite walls of the passageway for that portion of their length toward which the leading edge of the gate moves from open to closed position being formed with inwardly extending curved faces eccentric to the circular path of movement of the periphery of the gate which overhang the gate after it has made an initial movement toward closing position, the faces being so proportioned that the diminution of the open area of the passageway as the gate moves to closed position will be in substantially direct proportion to any reduction in the vacuum pull exerted on the vacuum responsive member.

2,026,743
SPRAY NOZZLE
Clarence S. Kinder, San Diego, Calif.
Application November 26, 1934, Serial No. 754,725
6 Claims. (Cl. 299—154)



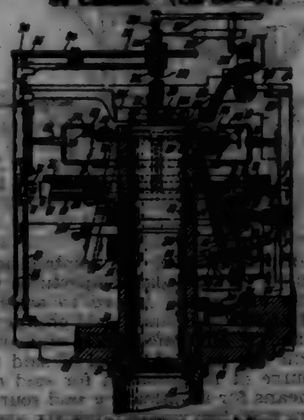
1. In a water spray nozzle, a hollow member provided with a relatively thin flat exit and with the side walls at right angles to the flat portion converging toward the exit end.

2,026,744
KNITTING MACHINE
Stephen W. Lippitt, Cleveland, Ohio
Application February 11, 1933, Serial No. 656,526
13 Claims. (Cl. 66—127)



1. In a knitting machine a yarn carrier comprising a double opposed hook, the free end of one member thereof extending beyond the end of the other and a latch finger disposed above said hook for retaining a thread within the looped portion of one of the hook members during the reciprocative movement of the yarn carrier.

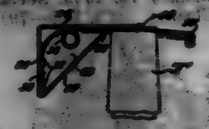
2,026,745
KNITTING MACHINE
Edgar A. Harrid, Laconia, N. H.
Application November 5, 1932, Serial No. 641,571
20 Claims. (Cl. 66—51)



1. In a circular knitting machine, a needle cylinder composed of two parts hinged together and adapted to overlap, and means for relatively adjusting said parts to alter the effective circumference of said cylinder.

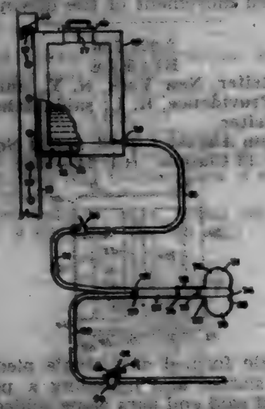
2,026,746
RACK
Guy S. Moore, Chester, N. H., assignor of one-half to Eugene S. Fraser, Lynn, Mass.
Application March 30, 1934, Serial No. 718,216
11 Claims. (Cl. 211—69)

1. A rack comprising base and shelf members, the shelf member being secured to said base member and having a laterally projecting edge, and a clip secured to one of said members, said clip comprising a strip of resilient material ar-



ranged yieldingly to engage the under surface of the laterally projecting edge of said shelf member.

2,026,747
GRAVITY THERMAL DILATOR
William P. B. Nemnich, North Arlington, N. J.
Application March 16, 1935, Serial No. 11,577
2 Claims. (Cl. 128—345)



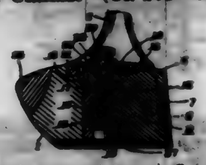
1. An applicator for a thermal dilator, said applicator having in combination, a body-portion formed of semi-hard rubber, a rounded end on said body-portion, a removable expansible member, a neck-portion on said removable expansible member, said neck-portion snugly engaging the body-portion of said applicator, bilateral extensions on said expansible member, a pocket formed between said bilateral extensions, said pocket being adapted to cooperate with the rounded end of said body-portion, an inlet for said applicator, and an outlet for said applicator, said inlet and said outlet comprising ducts formed in the rubber body-portion of said applicator.

2,026,748
AR-N-(NITRO-PHENYL)-TETRAHYDRO-NAPHTHYLAMINES AND PROCESS OF PREPARING SAME
Henry Charles Olpin, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 25, 1929, Serial No. 334,856. In Great Britain March 12, 1928
5 Claims. (Cl. 260—136)

1. Process for the production of new dyestuffs, comprising condensing a compound selected from the group consisting of ar-tetrahydro-α- and β-naphthylamines and their mono-alkyl and mono-acetyl nuclear substitution derivatives with a nitrated aromatic compound of the benzene series containing at least one labile halogen atom.

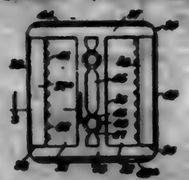
5. Ar-N-(nitro-phenyl)-tetrahydro-naphthylamine.

2,026,749
GOLF CLUB
Ray Foster, Grayslake, Ill.
Application February 10, 1933, Serial No. 656,196
7 Claims. (Cl. 273—79)



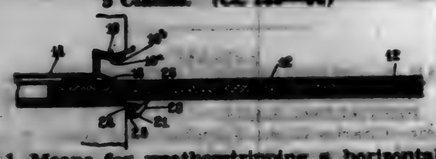
1. A golf club comprising a f...d head having a recess therein, a driving face arranged in the recess, a horizontal axis upon which the driving face is mounted, means for shifting the face to various angles, means for operating said last named means, and locking means for holding the manually operated means in place and preventing unauthorized movement of the driving face.

2,026,750
BUCKLE
Daniel I. Reiter, New York, N. Y., and James H. Arthur, Providence, R. I.; said Arthur assignor to said Reiter
Application August 2, 1933, Serial No. 683,294
12 Claims. (Cl. 24—186)



1. A buckle formed of a single piece of sheet metal and slotted and including a pair of end bars, each of said end bars being folded under on itself to provide two parallel and coextensive thicknesses of material and strap-engaging teeth projecting from the under thickness, said teeth being rigid and blunt and arranged inwardly of the outermost end edges of the end bars to engage but not to pierce a strap sliding in the slots of the buckle.

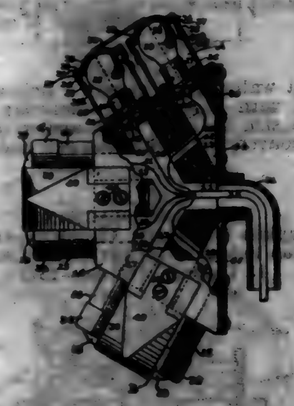
2,026,751
WINDOW
George A. Robbins, Hilliar Township, Knox County, Ohio
Application October 18, 1934, Serial No. 748,772
5 Claims. (Cl. 189—64)



1. Means for weatherstripping a horizontally sliding window pane including a hollow vertical member secured on the building in which the window slides and a trough-like sheet metal member having one leg to engage said hollow vertical member, with its other leg engaging said pane.

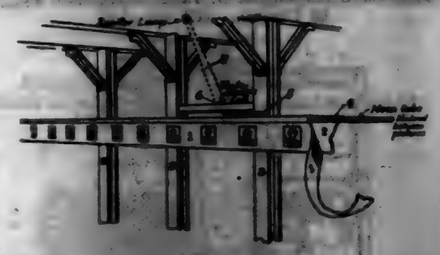
2,026,752
MOTOR VEHICLE SIGNAL
Frank Esch, Los Angeles, Calif.
Application June 1, 1935, Serial No. 24,519
3 Claims. (Cl. 177—329)

3. A vehicle signal device comprising a signal unit made up of a pair of electric lamp bulb and two-light penetrating receptacles arranged side by side and an electric lamp bulb in each said receptacle and a separate light penetrating dome covering the same light projecting end of each of said pair of receptacles and a two-light pene-



trating cover over contiguous sides of said domes of said pair of receptacles adapted to cause the light projections through said domes from said pair of lamp receptacles to project as separate light beams.

2,026,753
DISPLAY DEVICE
Leon W. Rosenthal and Jerome S. Meyer, New York, N. Y.
Application February 14, 1934, Serial No. 711,182
3 Claims. (Cl. 88—16)



1. In a display system, the combination of a moving vehicle having spaced apertures therein, fixed display characters spaced to accord with the spacing of said apertures, said characters being positioned in alignment with said apertures and adjacent the path of travel of said vehicle, a single source of illumination for said characters, and means for illuminating said source with the frequency of the passing vehicle apertures.

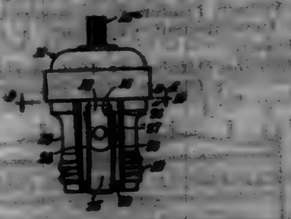
2,026,754
MANIPULATION OF SHEET MATERIAL
Charles Ernest Stafford, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application January 26, 1934, Serial No. 708,596
In Great Britain February 8, 1933
18 Claims. (Cl. 154—65)

17. Apparatus for slitting foil of an organic material comprising a plurality of tension rods disposed parallel to each other, means to draw a length of foil over said tension rods, and at least one blunt instrument extending through the plane of the foil between the tension rods



so as to slit the foil as it is drawn past the instrument.

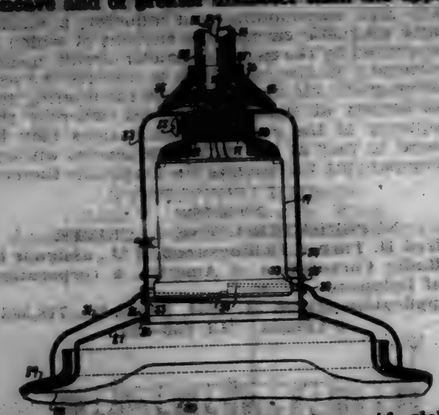
2,026,755
ELECTRICAL CONNECTION
Edgar R. Stine, Allentown, Pa., assignor of one-half to Albert A. Sinn, Allentown, Pa.
Application June 21, 1935, Serial No. 27,604
Renewed May 16, 1935
5 Claims. (Cl. 173—345)



1. An electrical connection device adapted to receive parallel contact tangs on another connection device, including contact springs to be engaged by said tangs, and means for interlocking said connection devices, including a separate spring latch adjacent and movable with respect to one of the contact springs in the tang-receiving device, and adapted to engage a recess in a tang when thrust into engagement with such spring, the arrangement being such that the interlocking means will be released upon a slight relative rotation of said contact devices about an axis parallel to and midway between said tangs.

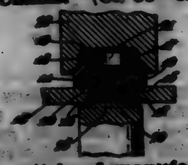
2,026,756
LIGHTING FIXTURE
Morris R. Surfaro, Waterbury, Conn., assignor to The Chase Companies, Incorporated, Waterbury, Conn., a corporation
Application June 6, 1934, Serial No. 729,952
1 Claim. (Cl. 248—73)

A lighting fixture including: a suspension-tube having an unthreaded portion, and a threaded lower end adjacent and below said unthreaded portion; an electric socket screw-threaded on the lower portion of said threaded lower end; a globe-hanger supported on the upper end of said socket; and a flange-member having a screw-threaded lower portion threadably engaging on the upper portion of said screw-threaded lower end, the lower face of said flange-member being concave and of greater diameter than the upper



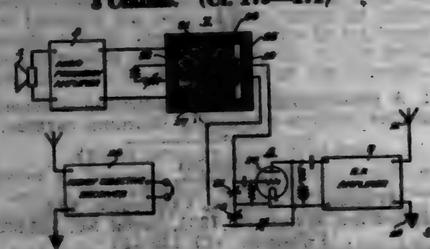
end of said socket and clamping said globe-hanger against said socket.

2,026,757
NUT STRUCTURE
Arthur Carl Swanstrom, Irvington, N. J., assignor to Elastic Stop Nut Corporation, a corporation of New Jersey
Application July 24, 1934, Serial No. 736,657
8 Claims. (Cl. 85—32)



1. As a new article of manufacture, a clinch nut having a body portion, a shank portion extending from said body portion and a riveting skirt portion on the free end of said shank portion, there being a surface engaging shoulder at the juncture of the body and shank portions of the nut, the outer surface of the shank portion having a decreasing taper in a direction away from the body portion of the nut, a bore through the nut, said bore being threaded in the body portion of the nut and being recessed adjacent to the face of the nut opposite said shank portion, and a locking washer secured against rotation in said recess.

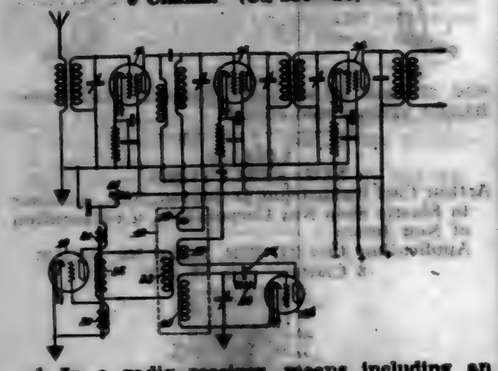
2,026,758
SECRET SIGNALING
Alfred H. Turner, Collingwood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 21, 1932, Serial No. 648,192
3 Claims. (Cl. 178—171)



1. In combination, an oscillation generator provided with a frequency-determining inductor,

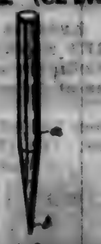
a substantially closed minor magnetic circuit, wherein losses at radio frequencies are substantially zero, surrounding said inductor, a second major magnetic circuit, one element of which is constituted by the minor magnetic circuit, means for causing unidirectional flux to traverse the second magnetic circuit and means for altering the flux density at signal-frequencies, whereby the frequency of the generated oscillations may be caused to vary at the signal frequencies without accompanying variation in the amplitude thereof.

2,026,759
SUPERHETERODYNE RECEIVER
Alfred H. Turner, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1934, Serial No. 718,363
9 Claims. (Cl. 250—20)



1. In a radio receiver, means including an oscillator for heterodyning an incoming amplitude modulated carrier wave, means including a second oscillator for cyclically varying the frequency of the first oscillator to provide a relatively wide frequency band heterodyned wave, and a sharply tuned intermediate frequency amplifier adapted to selectively accept a portion of the heterodyned wave which is in a substantially undistorted narrow frequency band including the amplitude modulation.

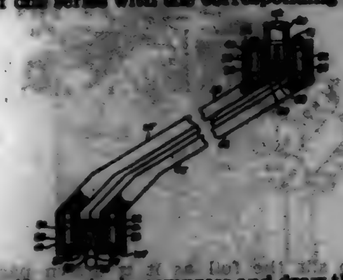
2,026,760
SOUND REPRODUCING OR RECORDING NEEDLE
Louis E. Turner, Chicago, Ill.
Application March 11, 1935, Serial No. 10,372
4 Claims. (Cl. 274—38)



1. A phonograph stylus comprising a record-engaging portion containing titanium carbide.

2,026,761
CORN PICKER
William E. Urschel, Valparaiso, Ind.
Application March 28, 1931, Serial No. 525,935
4 Claims. (Cl. 130—4)

1. In a corn picker, two series of bars having straight parallel sections, other sections at an angle therewith and parallel and sections extending angularly therein, rotatable members providing bearings for said end sections at equal radii from the axis of rotation thereof, means for rotating said members, such rotation causing planetary movement to each series of bars and intermeshing the said straight sections of the bars of one series with the corresponding sections



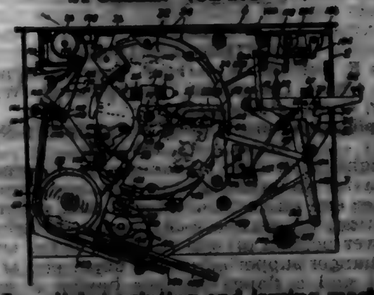
of the other series to compress and draw the stalks and husks of corn therebetween, the movement of the individual straight sections of the bars in each series being oblique to their longitudinal axis whereby such stalk and husk are moved obliquely thereto, and means for holding said two series of bars yieldingly in said intermeshing relation.

2,026,762
INSULATED SELF-BUOYANT FLOATING ROOF FOR TANKS
Jules Verner, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 22, 1930, Serial No. 490,735
6 Claims. (Cl. 220—26)



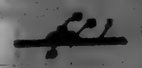
1. A floating deck seal for tanks comprising a plurality of individually bendable bristle-like members extending outwardly from the edge of the deck in close relation one to the other and forming a continuous ring.

2,026,763
TICKET PRINTING AND ISSUING MACHINE
Christopher Frederick Webb, Hendon, England, assignor to Bell Punch Company, Limited, London, England
Application September 28, 1932, Serial No. 635,906
In Great Britain April 18, 1932
24 Claims. (Cl. 101—96)



1. In a ticket printing and issuing machine, a rotatable type member provided with a series of successively arranged printing elements, means for presenting to the type member a ticket to be printed, driving means for the type member, a plurality of keys, and mechanism controlled by actuation of a key to effect rotation of the type member by the driving means and printing of the ticket by a selected printing element, said mechanism including devices limiting the type member to a single rotation upon each actuation of a key.

2,026,764
MEANS FOR AND PROCESS OF HANDLING AND DISPLAYING FOOD PRODUCTS
Edward A. Weinel, Newark, N. J.
Application November 13, 1934, Serial No. 753,519
12 Claims. (Cl. 206—44)



1. Means for the handling of food products comprising a container of fibrous material having end closures, at least one of which is removable, said end closure including two plates of different diameter and each having a peripheral flange, the plates being fastened together in spaced relation and positioned so the flanges extend in opposite directions with a space between said flanges, said space being such as to receive the end of the container, a single mechanism for fastening said end enclosure to the container comprising locking members carried by the plate of smaller diameter, and means for moving said locking members to engage said container and located between said flanges by puncturing the walls of the container.

2,026,765
MOLDING PROCESS AND MOLDED ARTICLE
Watson H. Woodford, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application July 23, 1932, Serial No. 624,235
24 Claims. (Cl. 92—54)

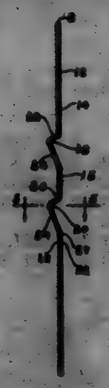


1. The method of making a shot shell wad which comprises the placing of a measured quantity of a fluid suspension of wad forming material in a tubular mold provided with lateral drainage perforations and an imperforated sleeve, and the removal of said sleeve at a rate determined by the rate of settling of said wad material in said mold.

3. The method of making a wad having a thick peripheral flange and a thin center which comprises charging a measured quantity of a suspension of wad forming materials into a mold in such a manner as to cause the suspension to revolve in said mold.

18. In the individual molding of shot shell wads, the method which comprises the addition to a fluid suspension of fibres of from 10% to 40% of sawdust, and the molding of the fiber sawdust mixture into shot shell wads which are coherent in use.

2,026,766
NONLIFTING HAIRPIN
John H. Adams, Seattle, Wash.
Application August 11, 1934, Serial No. 739,495
3 Claims. (Cl. 132—50)



1. A hair pin having a bow and a pair of legs, said legs having thereon a series of crimps extending in opposite directions from the legs and in the same plane as the pin, and a second series of crimps extending in one direction from the legs and in a plane perpendicular to said pin, whereby said pin is formed with one flat face.

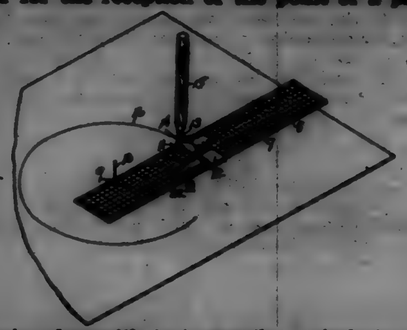
2,026,767
METHOD OF MAKING COMPOSITION FRICTION ELEMENTS
John D. Alley, Pittsburgh, Pa., assignor to American Brakeblock Corporation, New York, N. Y., a corporation of New York
No Drawing. Original application August 22, 1929, Serial No. 387,518, now Patent No. 1,832,702, dated October 15, 1932. Divided and this application July 19, 1932, Serial No. 623,833
3 Claims. (Cl. 18—47.5)

1. The method of making a flexible composition friction element which consists in thoroughly mixing 12 parts of drying vegetable oil and 2.7 parts sulfur with 23 parts finely divided pyrobituminous material and 65 parts of short fibre asbestos, forming said mixture into shapes, and then curing said shapes in a baking oven without pressure for four to five hours at approximately 125° F. and then for five to six hours at approximately 300° F. to set the oil by sulfuration to bond the ingredients of the element.

2,026,768
ATTACHMENT FOR RULERS
Meyer L. Aronson, Hartford, Conn., assignor of one-half to William Zacha, Hartford, Conn.
Application January 19, 1934, Serial No. 707,343
5 Claims. (Cl. 33—27)

2. A ruler attachment comprising a band fitted for sliding movement lengthwise along the ruler, said attachment having a hole positioned for

location outside of and adjacent the edge of the ruler for the reception of the point of a pencil



therein wherewith to transcribe a circle in connection with another hole in the ruler.

2,026,769
VALVE FOR SHOCK ABSORBERS
Ralph I. Bates, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 11, 1934, Serial No. 725,662
4 Claims. (Cl. 277—61)



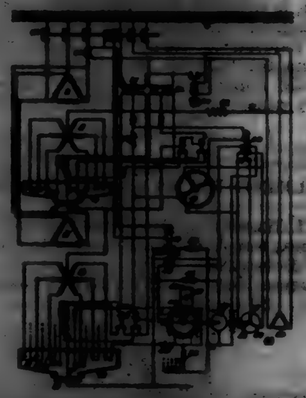
3. A fluid flow control device, comprising, in combination, a stationary tubular member, one end of which coaxially aligns with but is spaced from the port; a spring loaded, unbalanced valve normally closing the other end of said tubular member; an unbalanced valve slidably carried by the tubular member and normally closing the space between the one end of the said member and the port; and a spring yieldably urging the last mentioned valve into normal position and holding the tubular member in its proper position relatively to the port.

2,026,770
SIGNAL
George Wiley Bergmann, Evanston, Ill.
Application April 20, 1929, Serial No. 357,037
1 Claim. (Cl. 177—386)



The combination with a high tension outdoor electric system including supporting towers and a high tension conductor supported therefrom by high voltage insulators, of a visible discharge device of the class described comprising an elongated glass tube of small diameter filled with an inert gas and having a closed upper end, an electrode within the closed end of said tube free of mechanical or electrical connection to any part of said system, a socket for the open end of said tube sealing the same and having a second electrode projecting into said tube and spaced from said first electrode, said socket having an integral portion engaging about a major portion of the lateral periphery of said conductor and having a depending counterweight portion disposed below said conductor diametrically opposite said tube and of sufficient weight to position said socket in vertically extending position to support said tube in upright position above said conductor, said hook portion and socket providing direct electrical connection between said conductor and said second electrode.

2,026,771
ELECTRON DISCHARGE DEVICE CONTROL SYSTEM
Christen Brynhildsen, Baden, and Erwin Kurz, Ennetbaden, Switzerland, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland
Application November 25, 1933, Serial No. 699,899
In Germany December 17, 1932
10 Claims. (Cl. 175—363)

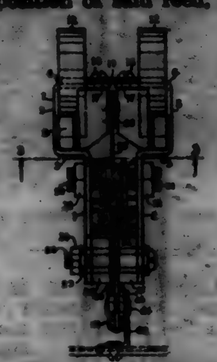


1. In an electric current converting system, an electric current line, a plurality of electron discharge devices serially connected across said line, a second electric current line connected with said devices, and means controlling one of said devices to cause simultaneous transfer of energy through said devices in both directions between said lines.

2,026,772
ELECTRICAL APPARATUS
Henry M. Brenzel, Chicago, Ill., assignor to Oak Manufacturing Company, Chicago, Ill.
Application June 24, 1933, Serial No. 677,263
5 Claims. (Cl. 175—363)

1. A heater comprising a magnetic field structure including a pair of opposed pole faces separated by an air gap, a pair of magnetizing coils for said field structure, one coil on each side of said air gap, a vertically disposed magnetizable reed adapted to vibrate in said air gap and to complete a magnetic circuit with one pole face, a pair of stationary contacts disposed on each side of said reed, a pair of movable contacts carried

by said reed cooperating with said stationary contacts, circuit connections whereby each cooperating pair of contacts controls a magnetizing coil for attracting the reed toward a pole face, said contacts and pole pieces being symmetrical with respect to said reed with said contacts open in vertical position of said reed, and means for



supporting said reed at one end thereof, said means including a resilient element having enough stiffness to support said reed vertically but having substantially no stiffness for impelling said reed along a horizontal axis whereby said reed tends to rest in one of its two extreme positions.

2,026,773
ELECTRICAL SWITCH
Henry M. Brenzel, Chicago, and Kenneth C. Allsen, Arlington Heights, Ill., assignors to Oak Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 27, 1935, Serial No. 12,564
11 Claims. (Cl. 200—11)



2. An electric switch comprising an insulating stator disk, a plurality of stationary contacts disposed thereon on the arc of a circle, a shaft rotatively mounted in said disk at the center of said circle, a rotor carried by said shaft, contacts carried by said rotor, a metal washer disposed adjacent said rotor, a finger integral with said washer extending toward said stator disk, and a stationary member carried by said stator having a slot into which said finger extends for defining the range of adjustment of said rotor.

2,026,774
METHOD OF MAKING A PIVOT BEARING
James H. Davis and John C. Lonsberg, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 4, 1933, Serial No. 669,288
6 Claims. (Cl. 29—148.5)

1. The method of making a sliding pivot assembly, comprising: providing a pin member having a bearing surface including peripheral corrugations extending therearound, providing a metal bushing of sufficient internal diameter to slip endwise over said corrugated pin, inserting said pin within said bushing, and then permanently deforming said metal bushing upon said



peripheral corrugations on the pin to provide interfitting corresponding corrugations on the inner surface of said bushing, whereby said pin and bushing are permanently but rotatably assembled together.

2,026,775
PROCESS FOR SULPHATING THE NON-FERROUS METALS CONTAINED IN FERRUGINOUS SULPHIDE ORES OR ROASTS
Carl Paul Dolezek, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
Application September 5, 1933, Serial No. 688,355
In Germany November 14, 1930
11 Claims. (Cl. 75—12)

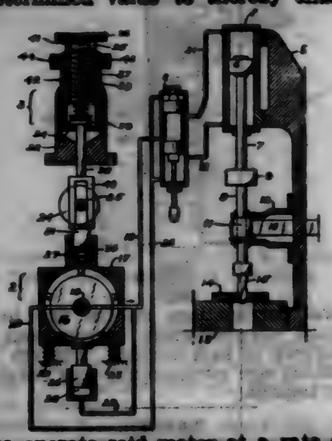


1. A process for sulphating the non-ferrous metals contained in pyritic ores comprising sulphides of ferrous and non-ferrous metals, which comprises charging the ore into a rotary tubular furnace and causing it to progress therethrough in one direction, subjecting the ore to roasting conditions at an early stage of its passage through the furnace, and maintaining the temperature of the ore at sulphating temperature for a substantial part of its passage while simultaneously introducing into the furnace gases of the sulphating zone a dust of a catalyst for the conversion of sulphur dioxide to sulphur trioxide, the ore and the resulting gases being caused to move through the furnace counter-currently to each other, at least a part of the air admitted into said furnace being introduced therewith by portions at points intermediate the charging and discharging ends thereof.

2,026,776
HYDRAULIC TRANSMISSION
James K. Douglas, Milwaukee, Wis., assignor to The Gilpar Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 9, 1934, Serial No. 734,334
13 Claims. (Cl. 60—52)

1. A hydraulic transmission, comprising a hydraulic motor, a variable displacement pump for supplying liquid to said motor and having an element movable to vary pump displacement and thereby vary the speed of said motor, fluid operated means responsive to pressure created by said pump for moving said element in a direction to increase pump delivery, a step for limiting

the movement of said element in said direction, and other means for moving said element in a direction to decrease pump delivery; said other means being yieldable under the action of said fluid operated means when pump pressure exceeds a predetermined value to thereby enable said



pump to operate said motor at a rate of speed limited by said stop and said other means being capable of moving said element against the action of said fluid operated means when pump pressure falls below said value to thereby cause said pump to operate said motor at a lower rate of speed.

2,024,777
AUTOMATIC VARIABLE SPEED TRANSMISSION
William H. Dumble, East Bakersfield, Calif., assignor of one-half to Ugo Antonglovanni, Bakersfield, Calif.
Application November 16, 1934, Serial No. 753,482
8 Claims. (Cl. 74—232)



1. A power transmission including a drive shaft and a power take-off including a fluid reservoir, a planetary gear system associating the shaft and the said take-off, a fluid pressure and circulating device controlling the drive reaction of said system on the take-off, adjustable means in said device to determine relative rotation between the shaft and the take-off, and governor means for automatically effecting a stoppage of the fluid circulation and thereby to cause to be made a direct drive connection between the shaft and the take-off and a direct drive means for directly combining the take-off and the said system.

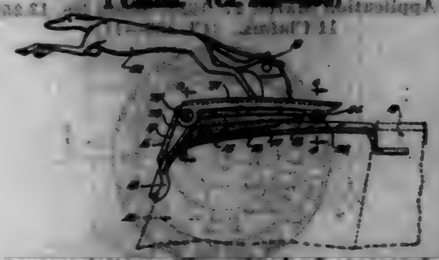
2,024,778
FISHING TOOL
William H. Dumble, Bakersfield, Calif., assignor of one-half to Samuel J. Checchi, Bakersfield, Calif.
Application February 8, 1935, Serial No. 6,571
5 Claims. (Cl. 294—86)

1. A fishing tool of the class described including a set of grabs, a driven head, means including a shell suppositively connecting said grabs and said head and including mechanism for closing the grabs and controlling the opening thereof, a non-shiftable gear means which is operative on said mechanism by said head without changing



the direction of head rotation to secure either closing or opening of the grabs, and clutch means interposed yieldably between the shell and the gear means to connect or disconnect the gear means as to the shell.

2,024,779
AUTOMOBILE ACCESSORY
Stephen Faith and Samuel Klagsbrunn, Chicago, Ill., assignors to Faith Mfg. Co., Chicago, Ill., a corporation of Illinois
Application May 8, 1935, Serial No. 20,580
1 Claim. (Cl. 248—305)

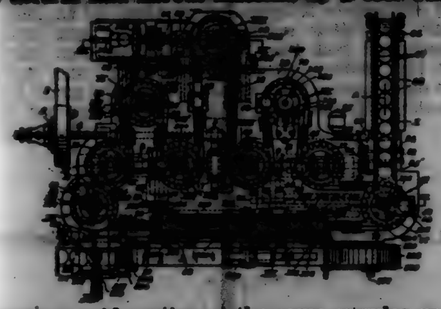


In association with a standard ornament for an automobile, a supplemental ornament adapted to be mounted upon said standard ornament, comprising an upper portion in the form of a desired ornament, a base portion integral with said upper portion, said base portion having a substantially U-shaped transverse cross-section to enable it to fit over and conform to the upper part of said standard ornament, and means co-operating with said base portion and said standard ornament to secure said supplemental ornament on said standard ornament.

2,024,780
METHOD OF AND APPARATUS FOR PERFORMING MECHANICAL OPERATIONS ON MOVING WORK
George O. Frankel, Cudahy, Wis., assignor, by mesne assignments, to Sutherland Paper Company, Kalamazoo, Mich.
Application April 9, 1931, Serial No. 528,238
16 Claims. (Cl. 93—34)

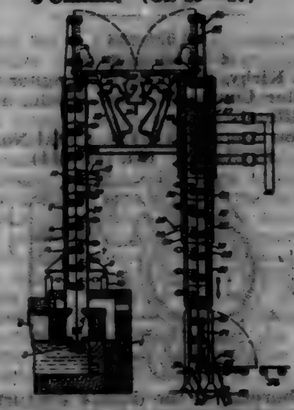
1. A method of making fibrous containers, comprising advancing a blank of fibrous material along a predetermined path which includes an arcuate portion, said arcuate portion being less

than 360° in extent, and operating upon the blank to deform said fibrous material by a tool which



traverses said portion at the same angular speed as the blank.

2,024,781
VERTICAL GLASS ANNEALING LEER
Paul L. Geer, Pittsburgh, Pa., assignor to Amco, Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 1, 1932, Serial No. 596,871
8 Claims. (Cl. 49—47)



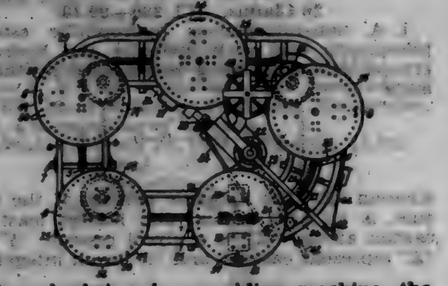
1. A vertical tunnel apparatus for annealing sheet glass comprising an enveloping wall structure forming a vertical heating chamber, a series of conveying elements within said chamber adapted to engage sheet glass and lower it from the top to the bottom of said chamber, a transfer arm at the top of said chamber adapted in a horizontal position to receive sheet glass to be annealed, and means for actuating said arm to raise it to the vertical position to hold the glass in cooperative alinement with the conveying elements of said annealing apparatus.

2,024,782
CLAY HOMOGENIZING METHOD AND APPARATUS
Miner F. K. Geyelmeyer, Baltimore, Md., assignor to Locke Insulator Corporation, Baltimore, Md., a corporation of Maryland
Application April 2, 1931, Serial No. 527,574
8 Claims. (Cl. 25—11)



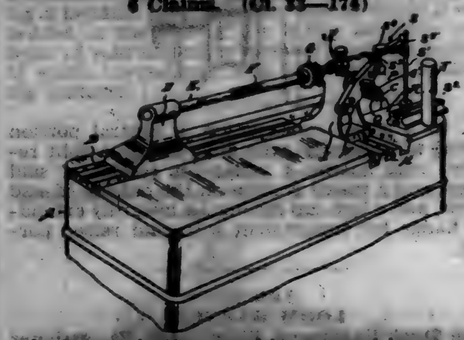
1. The method of conditioning clay for the production of ceramic ware comprising extruding it under pressure and simultaneously subjecting it to vibration in the direction of extrusion.

2,024,783
BASKET WEB ASSEMBLING MACHINE
Omer S. Hall, Paoli, Ind., assignor to The Edgerton Manufacturing Co., Plymouth, Ind.
Application July 27, 1934, Serial No. 737,147
3 Claims. (Cl. 1—13.6)



1. In a basket web assembling machine, the combination with an endless conveyor and a plurality of rails arranged in parallel relation to provide a circuitous track in a substantially horizontal plane, of a plurality of spaced strip receiving forms slidably mounted on said track and connected to said conveyor for movement therewith via a series of spaced stations where the forms are first loaded with strips, stapled together and finally discharge, means for actuating said conveyor at constant speed with an uninterrupted motion, a stapler at the stapling station adapted to travel with each form a short distance and then return to its normal position, and means for operating said stapler to staple the strips together while traveling with the form.

2,024,784
MACHINE FOR TESTING ACCURACY OF GEARS
Gustaf L. Hansen, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application October 12, 1931, Serial No. 568,507
6 Claims. (Cl. 33—174)

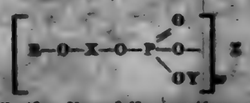


1. A gear testing machine comprising a support for rotatably mounting the gear to be tested, a truncated wedge for insertion between and into contact with adjacent teeth of said gear, the angle of divergence between opposite sides of said wedge corresponding with a predetermined pressure angle of the gear, a holder for said wedge rotatably mounted on said support permitting rotation of said wedge about an axis radial with respect to the gear, and means engaging

said holder for indicating rotational displacement of said wedge with respect to said support on engagement of same with successive teeth of the gear.

2,026,785
PHOSPHORIC ACID ESTERS OF FATTY ACID MONOGLYCERIDES
Benjamin R. Harris, Chicago, Ill.
No Drawing. Application January 5, 1934, Serial No. 705,825
26 Claims. (Cl. 260—99.16)

1. A non-nitrogenous hydrophilic ester of phosphoric acid with lipophile and hydrophile groups, said ester being represented by the formula



wherein "R", the lipophile portion of the molecule, is an acyl radical and has at least four carbon atoms, "X" is a glycol residue, "Y" and "Z" represent cations, and "w" is an integer.

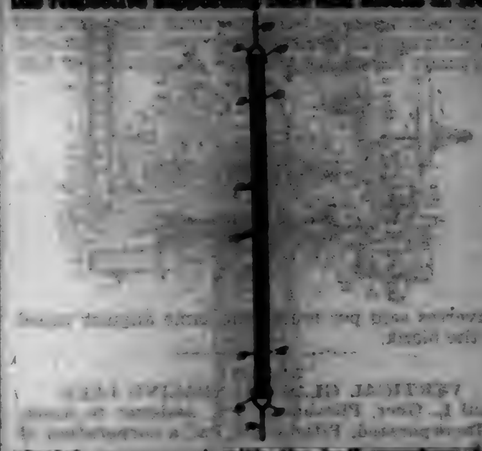
2,026,786
HUB CAP MOUNTING
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application August 2, 1934, Serial No. 738,356
8 Claims. (Cl. 301—108)



1. In a wheel construction, a central portion having an inwardly extending flange, a split resilient ring having a valley for receipt of said flange and a raised portion on the outside of said flange, and a hub cap having an inwardly extending flange for engagement with said raised portion.

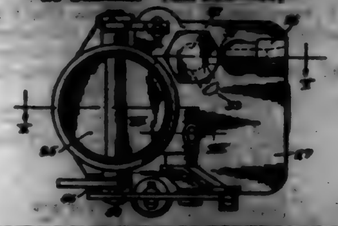
2,026,787
LOOM HARNESS
John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 14, 1934, Serial No. 711,452
10 Claims. (Cl. 139—91)

1. In a loom harness for supporting small groups of heddles, heddle supporting bars at the top and bottom thereof, a one piece ball member at the top and another one piece ball member at the bottom, each of said ball members having end portions engaging the end portions of the respective supporting bars and means in free



pivotal engagement with the ball members for connecting said ball members to the actuating straps.

2,026,788
CARBURETOR
Charles H. Kirby, Flint, Mich., assignor to Marvel Carburetor Company, Flint, Mich., a corporation of Illinois
Application August 12, 1929, Serial No. 385,497
15 Claims. (Cl. 261—41)



1. A carburetor of the double Venturi type including an inner venturi concentrically located to discharge into the throat of an outer venturi, said inner venturi having an annular fuel and air mixture discharge space formed by an applied sleeve the profile of which determines the effective capacity of the carburetor, means for supplying fuel under a gravity head to said discharge space and vacuum operated means for cutting off the supply of fuel at high suctions within the carburetor.

2,026,789
PISTON FOR INTERNAL COMBUSTION MOTORS
Elmer C. Long, Grosse Pointe Park, Mich.
Application September 9, 1932, Serial No. 632,826
3 Claims. (Cl. 309—11)



1. A piston having a head, a skirt, pin bosses separated from the skirt, said skirt being sep-

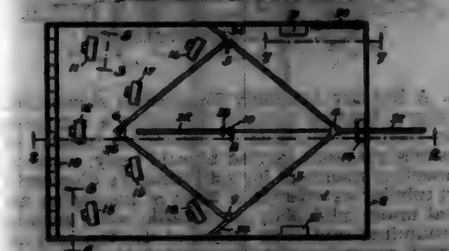
arated from the head except on one of its thrust sides, and a transversely disposed member connected at its ends to one side of respective pin bosses and having connection with the other thrust side of said skirt, said last mentioned thrust side being longitudinally slotted, and the skirt being circumferentially continuous from the slot for providing an approximate full cylinder bearing skirt.

2,026,790
ROTOR FOR HAMMER MILLS
Henry J. Manhoff, Wichita, Kans.
Application September 26, 1932, Serial No. 634,249
3 Claims. (Cl. 83—11)



1. A rotor for a hammer mill, comprising polygonal plates having aligned openings for the reception of a shaft, connections each passing removably and in a single length through all the plates and binding them together in a solid body, the plates having straight marginal edges forming marginal angles, said marginal angles being in alignment in alternating plates, to form spaces between alternating plates, and being out of alignment in adjoining plates, whereby the marginal angles of each plate will form spaced projections, extending beyond the marginal edges of adjoining plates, and hammers extended into said spaces and abutting at their inner ends against said edges, to hold the hammers rigid, the connections passing through the hammers and holding their inner ends in the aforesaid abutting relation, the thickness of the hammers being equal to the width of said spaces, and the marginal angles of the plates being sufficiently acute so as to form cutters, both of the features last enumerated cooperating to prevent material from being wound about the rotor, between the hammers.

2,026,791
BASEBALL GAME
Joseph C. Mayer, Cleveland, Ohio
Application May 15, 1933, Serial No. 670,824
3 Claims. (Cl. 273—96)



1. A game apparatus comprising a base having a playing surface representing a baseball diamond, infielders' and outfielders' cages disposed to receive a ball manually propelled forward toward the home plate by an element in the hands of one player and manually struck back and returned by an element in the hands of another player, and a plurality of play cages disposed rearwardly of said outfielders' cages whereby when the latter player returns the ball it must clear said infielders' and outfielders' cages in order to lodge in one of said play cages to accomplish a predetermined play which depends upon the skill of the player, each of said infielders' and outfielders' cages comprising an element having a back wall, side walls, an open front, an open top and a plurality of hinged stops depending across said open front.

2,026,792
PORTABLE INCANDESCENT LAMP
Charles S. McGill, Valparaiso, Ind., assignor to McGill Manufacturing Company, Valparaiso, Ind., a corporation of Indiana
Application March 21, 1935, Serial No. 12,176
2 Claims. (Cl. 240—54)



1. A mounting for a portable incandescent electric lamp, made of suitable resilient insulating material, comprising a holder provided with a recess shaped and proportioned to receive a lamp socket, having electrical contacts and means for making electrical connections thereto, a boss provided with a hole which communicates with the recess in said holder, for the passage of the electric conductors connected to the lamp socket, and a combined suspension hook and handle comprising a metallic core, the inner end of which is embedded in the wall of the holder and boss portions of said mounting member, and the portion of which beyond said boss is encased in insulating material.

2,026,793
PRESSURE REGULATOR
Garnet W. McKee, Rockford, Ill.
Application October 13, 1934, Serial No. 748,966
7 Claims. (Cl. 50—36)

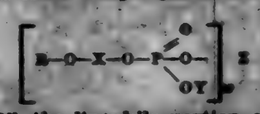


2. In a pressure regulator of the character described, the combination with a casing having

said holder for indicating rotational displacement of said wedge with respect to said support on engagement of same with successive teeth of the gear.

2,026,735
PHOSPHORIC ACID ESTERS OF FATTY ACID MONOGLYCERIDES
Benjamin R. Harris, Chicago, Ill.
No Drawing. Application January 9, 1934, Serial No. 705,826
24 Claims. (Cl. 260—99.19)

1. A non-nitrogenous hydrophilic ester of phosphoric acid with lipophile and hydrophile groups, said ester being represented by the formula



wherein "R", the lipophile portion of the molecule, is an acyl radical and has at least four carbon atoms, "X" is a glycol residue, "Y" and "Z" represent cations, and "n" is an integer.

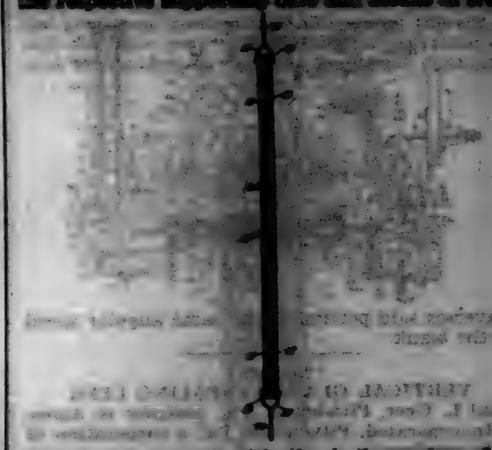
2,026,736
HUB CAP MOUNTING
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application August 2, 1934, Serial No. 738,154
8 Claims. (Cl. 301—108)



1. In a wheel construction, a central portion having an inwardly extending flange, a split resilient ring having a valley for receipt of said flange and a raised portion on the outside of said flange, and a hub cap having an inwardly extending flange for engagement with said raised portion.

2,026,737
LOOM HARNESS
John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 16, 1934, Serial No. 711,483
19 Claims. (Cl. 139—87)

1. In a loom harness for supporting small groups of heddles, heddle supporting bars at the top and bottom thereof, a one piece ball member at the top and another one piece ball member at the bottom, each of said ball members having end portions engaging the end portions of the respective supporting bars and means in free



pivotal engagement with the ball members for connecting said ball members to the actuating straps.

2,026,738
CARBURETOR
Charles H. Kirby, Flint, Mich., assignor to Marvel Carburetor Company, Flint, Mich., a corporation of Illinois
Application August 12, 1933, Serial No. 684,497
16 Claims. (Cl. 261—41)



1. A carburetor of the double Venturi type including an inner venturi concentrically located to discharge into the throat of an outer venturi, said inner venturi having an annular fuel and air mixture discharge space formed by an applied sleeve the profile of which determines the effective capacity of the carburetor, means for supplying fuel under a gravity head to said discharge space and vacuum operated means for cutting off the supply of fuel at high suctions within the carburetor.

2,026,739
PISTON FOR INTERNAL COMBUSTION MOTORS
Elmer O. Lang, Grosse Pointe Park, Mich.
Application September 9, 1933, Serial No. 688,826
3 Claims. (Cl. 309—11)



1. A piston having a head, a skirt, pin bosses separated from the skirt, said skirt being sep-

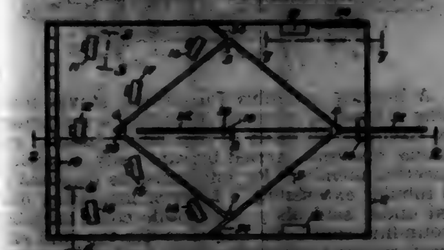
arated from the head except on one of its thrust sides, and a transversely disposed member connected at its ends to one side of respective pin bosses and having connection with the other thrust side of said skirt, said last mentioned thrust side being longitudinally slotted, and the skirt being circumferentially continuous from the slot for providing an approximate full cylinder bearing skirt.

2,026,740
ROTOR FOR HAMMER MILLS
Harry J. Hankoff, Wichita, Kans.
Application September 26, 1933, Serial No. 691,949
3 Claims. (Cl. 83—11)



1. A rotor for a hammer mill, comprising polygonal plates having aligned openings for the reception of a shaft, connections each passing removably and in a single length through all the plates and binding them together in a solid body, the plates having straight marginal edges forming marginal angles, said marginal angles being in alignment in alternating plates, to form spaces between alternating plates, and being out of alignment in adjoining plates, whereby the marginal angles of each plate will form spaced projections, extending beyond the marginal edges of adjoining plates, and hammers extended into said spaces and abutting at their inner ends against said edges, to hold the hammers rigid, the connections passing through the hammers and holding their inner ends in the aforesaid abutting relation, the thickness of the hammers being equal to the width of said spaces, and the marginal angles of the plates being sufficiently acute so as to form corners, both of the features last enumerated cooperating to prevent material from being wound about the rotor, between the hammers.

2,026,741
BASEBALL GAME
Joseph C. Mayer, Cleveland, Ohio
Application May 15, 1933, Serial No. 670,824
3 Claims. (Cl. 273—26)



1. A game apparatus comprising a base having a playing surface representing a baseball diamond, infielders' and outfielders' cages disposed to receive a ball manually propelled forward toward the home plate by an element in the hands of one player and normally closed back and returned by an element in the hands of another player, and a plurality of play cages disposed rearwardly of said outfielders' cages whereby when the latter player returns the ball it must clear said infielders' and outfielders' cages in order to lodge in one of said play cages to accomplish a predetermined play which depends upon the skill of the player, each of said infielders' and outfielders' cages comprising an element having a back wall, side walls, an open front, an open top and a plurality of hinged stops depending across said open front.

2,026,742
PORTABLE INCANDESCENT LAMP
Charles S. McGill, Valparaiso, Ind., assignor to McGill Manufacturing Company, Valparaiso, Ind., a corporation of Indiana
Application March 21, 1935, Serial No. 12,176
2 Claims. (Cl. 240—54)



1. A mounting for a portable incandescent electric lamp, made of suitable resilient insulating material, comprising a holder provided with a recess shaped and proportioned to receive a lamp socket, having electrical contacts and means for making electrical connections thereto, a boss provided with a hole which communicates with the recess in said holder, for the passage of the electric conductors connected to the lamp socket, and a combined suspension hook and handle comprising a metallic core, the inner end of which is embedded in the wall of the holder and boss portions of said mounting member, and the portion of which beyond said boss is encased in insulating material.

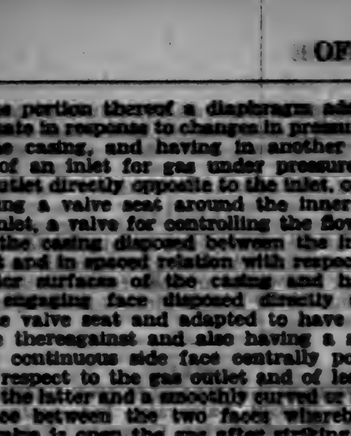
2,026,743
PRESSURE REGULATOR
Garnet W. Mekus, Rockford, Ill.
Application October 12, 1934, Serial No. 748,066
7 Claims. (Cl. 60—36)



2. In a pressure regulator of the character described, the combination with a casing having

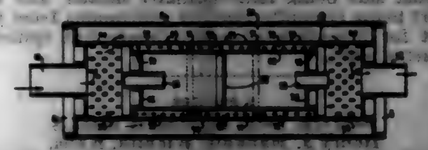
in one portion thereof a diaphragm adapted to fluctuate in response to changes in pressure within the casing, and having in another portion thereof an inlet for gas under pressure and a gas outlet directly opposite to the inlet, of means forming a valve seat around the inner end of the inlet, a valve for controlling the flow of gas into the casing disposed between the inlet and outlet and in spaced relation with respect to the interior surfaces of the casing and having a seat engaging face disposed directly opposite to the valve seat and adapted to have the gas strike thereagainst and also having a substantially continuous side face centrally positioned with respect to the gas outlet and of less width than the latter and a smoothly curved or rounded surface between the two faces whereby when the valve is open the gas after striking against the first mentioned face is caused to flow in a thin tubular stream around the side face of the valve and then to pass directly into the outlet with substantially no pressure loss and in such manner as to create adjacent to the inner end of the outlet a jet action which increases in magnitude as the rate of flow of gas into the outlet increases and effects a corresponding diminution or decrease of pressure of the gas in the casing, and a lever for moving the valve in response to fluctuation of the diaphragm to and from the valve seat in order to regulate or control the pressure of the gas flowing out of the casing via the outlet, fulcrumed centrally in the casing and having the valve connected to one end thereof and its other end connected to the diaphragm so that it operates to open the valve when the diaphragm fluctuates in one direction as the result of a decrease in pressure within the casing.

2,026,794
ELEVATOR
Leonard R. Neighbour, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 31, 1933, Serial No. 663,685
26 Claims. (Cl. 198—33)



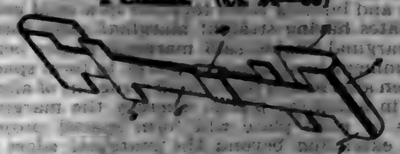
1. An inside elevator for grain and the like comprising a vertically disposed frame, a vertical series of buckets supported thereby, and a receiving hopper adapted to be pivotally connected at either side of the elevator frame adjacent the rear thereof and to be swingable from a position at either side thereof and rearwardly of the plane of the front face of said frame to a position in front of said plane to discharge grain into said buckets at the front of the elevator.

2,026,795
SILENCER
Sidney Oldberg, Detroit, Mich.
Application July 25, 1934, Serial No. 736,663
5 Claims. (Cl. 181—59)



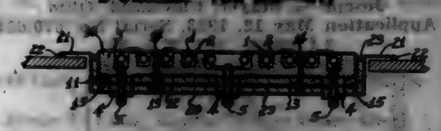
1. In a silencer, two nested casings, an inlet of less diameter than the innermost casing opening directly thereinto, an apertured diaphragm in the innermost casing remote from said inlet dividing the innermost casing longitudinally into an expansion chamber into which the inlet opens, and a resonance chamber in communication with the expansion chamber but otherwise closed, there being a communication from said expansion chamber into the volume between the casings, and an outlet for said volume remote from the aforesaid communication.

2,026,796
BOOK HOLDER AND MARKER
Perry C. Payne, St. Louis, Mo.
Application December 2, 1934, Serial No. 755,833
2 Claims. (Cl. 24—66)



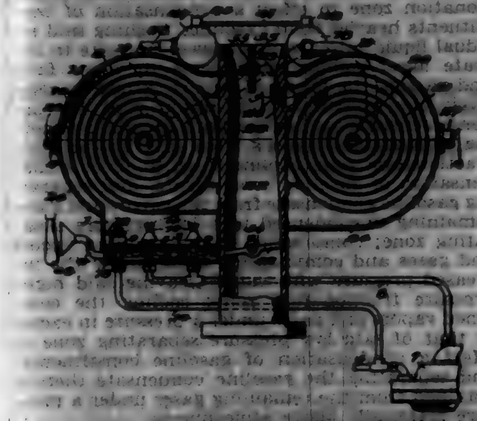
1. A device of the class described comprising a pair of members, each member having a shank terminating at its outer end in a cross head bent over upon itself, the inner ends being T-shaped and means for slidably connecting the shanks.

2,026,797
INCLOSED HEATING ELEMENT FOR ELECTRIC STOVES
Charles A. Pierson, Toledo, Ohio, assignor to The Standard Electric Stove Company, Toledo, Ohio, a corporation of Ohio
Application March 1, 1934, Serial No. 712,663
2 Claims. (Cl. 219—37)



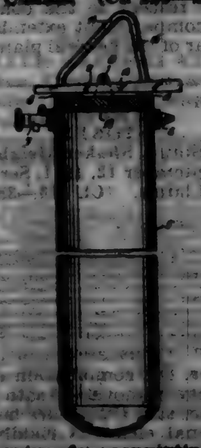
1. A heating assembly for electric stoves comprising a heating element including a refractory body having a plurality of depending tubular extensions, resistors carried by said body, electrical connecting members for said resistors disposed in said tubular extensions, a layer of insulating material under said body, a metallic cover member surrounding said body adjacent the top and side thereof, means cooperating with said cover member to position said layer of insulating material, and a cup-shaped bowl member for said heating element having a plurality of holes in the bottom thereof adapted to register with said depending tubular extensions whereby said element is maintained in centered relation to said bowl.

2,026,798
CARBURETOR
Charles M. Pogue, Norwood, Winnipeg, Manitoba, Canada
Application September 27, 1935, Serial No. 42,548
8 Claims. (Cl. 261—12)



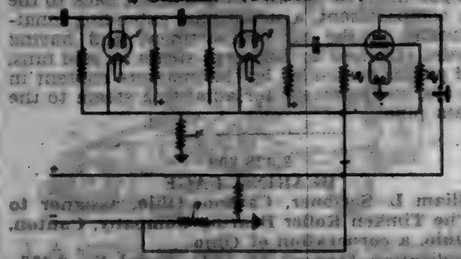
1. A carburetor for internal combustion engines comprising a vaporizing chamber, means for vaporizing fuel therein, a vapor-heating chamber, a pump for pumping vapors from the vaporizing chamber into the vapor-heating chamber, a bypass for fuel vapors from the outlet side of said pump to the inlet side thereof, means for maintaining vapors in said vapor-heating chamber during normal operation of the carburetor under a predetermined pressure, a passage for atmospheric air adapted to communicate with the intake manifold of the engine and means for introducing vapors from said vapor-heating chamber into said atmospheric air passage.

2,026,799
CONVERTER
Eugene L. Barnaud, New York, N. Y., assignor to Pure Carbonic Company of America, New York, N. Y., a corporation of Delaware
Application February 24, 1933, Serial No. 8,579
4 Claims. (Cl. 229—25)



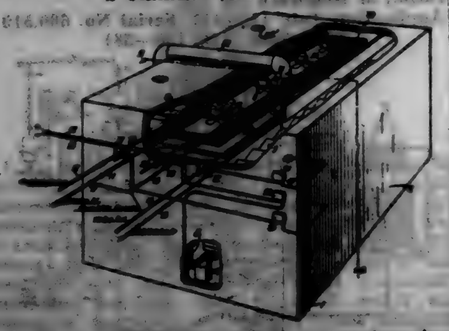
1. An apparatus for converting solid carbon dioxide, comprising a container having an opening at one end with an inwardly directed flange surrounding the opening, a closure adapted to engage the flange and to form therewith a seal, wedging means for forcing the closure against the flange, and means carried by said wedging means for supporting the closure when it is released from the flange.

2,026,800
RECEIVER CIRCUIT ARRANGEMENT
Rudolf Rechnitzer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 18, 1934, Serial No. 732,751
In Germany May 23, 1933
4 Claims. (Cl. 250—27)



1. In simplifying apparatus and the like provided with indirectly heated cathode and directly heated cathode type tubes the latter type being provided with at least one grid electrode, and wherein the energization of all the cathodes is started simultaneously, means for delaying the operation of a directly heated cathode type tube during the interval of time taken to heat the cathode of an indirectly heated type tube to substantially the normal operating value comprising means for applying a biasing potential to the grid electrode of the directly heated cathode type tube desired to be controlled which potential is of such value so as to render the tube substantially non-conductive at the beginning of the heating period of the cathodes of the tubes and means when the cathode of one of the indirectly heated cathode type tubes is energized sufficiently to allow normal plate current to flow through the tube for generating and impressing a bias potential upon the grid of the directly heated cathode type tube of such direction and magnitude as to render the first named bias ineffective and to place a normal operating bias upon the directly heated cathode type tube.

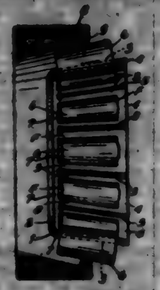
2,026,801
HUMIDITY AND TEMPERATURE CONTROL FOR INCUBATION
Hasen C. Ross, Junction City, Kans.
Application July 26, 1929, Serial No. 381,170
2 Claims. (Cl. 119—35)



1. In an incubator, an egg compartment, an air distributing compartment having communication with the upper and lower portions of the egg

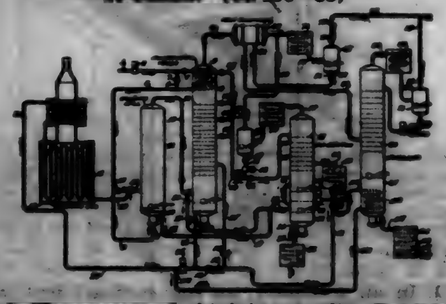
compartment whereby air is circulated from the distributing compartment through the egg compartment and returned to the distributing compartment, a series of heating coils in the air compartment in the form of a rectangular loop, cooling coils arranged longitudinally of the air compartment, means controlled by the temperature in the egg compartment for delivering heating medium to said heating coils, independent means controlled by the temperature in the egg compartment for delivering cooling medium to the cooling coils, a series of fans in the air compartment within said loop for circulating air from the egg compartment to the air compartment back to the egg compartment, a steam pipe extending longitudinally in the air compartment and having nozzles arranged to discharge steam on said fans, and means controlled by the moisture content in the egg compartment for admitting steam to the steam pipe.

2,026,902
BEARING CAGE
William L. Scribner, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application January 19, 1935, Serial No. 2,473
1 Claim. (Cl. 308—218)



A conical roller bearing cage of resilient metal comprising an integral small end ring, a sectional large end ring and conically disposed bridges connecting said integral end ring with the respective sections of said large end ring and forming roller pockets therewith, said sectional ring lying wholly in the same conical surface with said small end ring and said bridges.

2,026,903
TREATMENT OF HYDROCARBON OIL
Victor Stapleton, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application July 15, 1933, Serial No. 680,519
10 Claims. (Cl. 196—58)



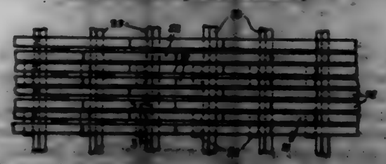
1. The process of obtaining gasoline from relatively high-boiling hydrocarbon oil which comprises: heating said oil to a cracking temperature while in transit through a heating zone, discharging the resultant products into a separating zone and separately removing vapors and residual liquid therefrom; passing at least a portion of said vapors through a high-pressure fractionation zone to effect a condensation of constituents heavier than gasoline; flashing said residual liquid into a zone of lower pressure to liberate lower-boiling constituents in vapor form and passing the liberated vapors through a relatively low-pressure fractionation zone to condense constituents heavier than gasoline; removing uncondensed vapors from said low-pressure fractionation zone, cooling them to effect a condensation of gasoline constituents, and separating gasoline condensate from the vapors and gases remaining uncondensed in a low-pressure separating zone; compressing said remaining vapors and gases and commingling them under the increased pressure with vapors leaving said high-pressure fractionation zone; cooling the combined vapors and gases under a pressure in excess of that of said low pressure separating zone to effect a condensation of gasoline constituents; and separating the gasoline condensate thereby obtained from the remaining gases under a pressure materially above atmospheric.

2,026,904
SINK
Percy Howard Sterling, Mount Lebanon, Pa.
Application August 3, 1934, Serial No. 738,336
6 Claims. (Cl. 4—127)



1. As a new article of manufacture, a sink comprising two washing compartments arranged one in the rear of another and each of a substantial size and depth sufficient to enable washing operations to be performed therein, a splash board arranged with respect to the compartments so that the rear compartment extends at least partially in the rear of the general plane of the splash board.

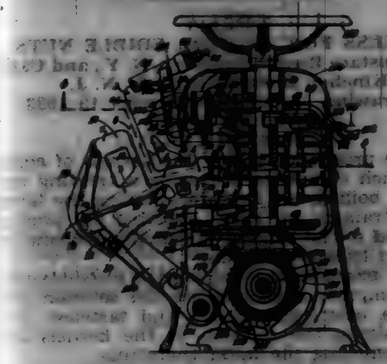
2,026,905
STOKER
Loyd H. Stowe, Shaker Heights, Ohio
Application September 13, 1931, Serial No. 562,426
2 Claims. (Cl. 110—29)



1. In a stoker, the combination of an inclined frame, a plurality of movable grate bars mounted upon said frame, said grate bars being composed of small sectional elements rigidly secured together both laterally and longitudinally with respect to each other, a plurality of stationary grate bars similarly composed of sectional elements, said stationary bars being alternately disposed with respect to said movable bars, and

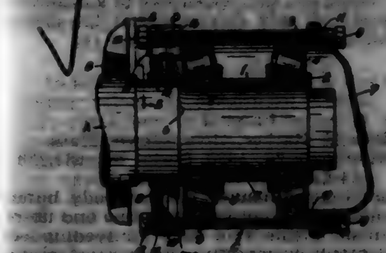
means for slidably supporting said movable bars comprising members secured to said frame and positioned transversely with respect to said movable bars, and guide members mounted against said transverse members and bearing against said movable bars.

2,026,906
FRUIT PITTER
Albert E. Thompson, San Jose, Calif., assignor to Pacific Machinery Company, San Francisco, Calif., a corporation of California
Application June 16, 1932, Serial No. 617,609
18 Claims. (Cl. 146—23)



1. In a fruit pitter, the combination of an impaling blade providing a path through which the pit of the fruit travels as the flesh of the fruit is severed to the pit, the path being formed to provide a portion extending at an angle from another portion of the path, a pitting member located at the end of the path, pusher means located substantially at the turn in the path to engage the pit of the fruit through the cut formed in the flesh of the fruit and adapted to propel the fruit along the second portion of the path of the pit to locate the pit of the fruit in relation to the pitting means, means for actuating the pusher means, and means for actuating the pitting means in timed relation with the pusher means.

2,026,907
ROLLER BEARING AXLE
Henry H. Timken, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application January 6, 1934, Serial No. 705,875
12 Claims. (Cl. 115—196)



1. A cartridge comprising a cartridge having a longitudinal chamber provided at one end with an opening, a closure for said opening, said cartridge being provided alongside of said chamber with an outlet passageway leading from said chamber to said end of said cartridge, and a fusible closure mounted in said passageway.

2,026,908
SUCTION CLEANER
Harry B. White, Canton, Ohio, and Bernard C. Becker, York, Pa., assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 31, 1931, Serial No. 554,570
11 Claims. (Cl. 15—6)



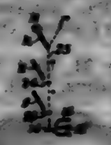
1. A suction cleaner, comprising suction producing means and means for agitating the surface covering to be cleaned, driving means, said suction producing means being operatively connected to said driving means, power transmitting means operatively connecting said driving means and said agitating means and including a clutch located in the drive between said suction producing means and said agitating means and comprising members disengageable by overload, and means responsive to the speed of said driving shaft for preventing reengagement of said clutch members.

2,026,909
ELECTRIC WATER HEATER
Sperry H. Winn, Seattle, Wash.
Application November 28, 1932, Serial No. 644,825
13 Claims. (Cl. 219—39)



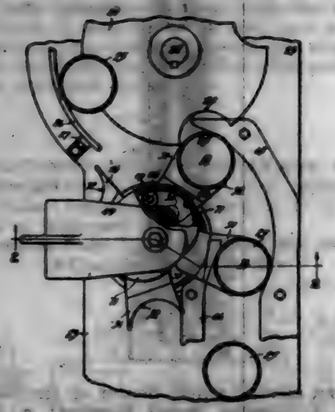
1. In an electric water heater of the class described: a tubular metal housing; a tubular phenolitic condensation product lining in said housing; a phenolitic condensation product base in said housing; two terminal posts extending through said base and relatively insulated by said base, electric water heating coils electrically connected between said terminal posts and phenolitic condensation product tubes enclosing said coils said phenolitic condensation product tubes having openings at intervals in the walls thereof.

2,026,810
RAILWAY TRACK SWITCH CONTROLLING APPARATUS
Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 31, 1935, Serial No. 12,125
5 Claims. (Cl. 246—219)



2. In combination, a stretch of railway track including a switch, a manually operable switch lever having a normal and a reverse position, a stick relay, a pick-up circuit for said stick relay controlled by traffic conditions in said stretch and which is normally open when said lever is in either the normal or the reverse position but which becomes closed if said lever is moved between its normal and reverse positions while said traffic conditions are suitable for said switch to be operated from one of its extreme positions to the other, a resistor, a stick circuit for said stick relay controlled by said traffic conditions independently of said lever and including said resistor for reducing the magnitude of the current in said stick circuit to a value suitable for retaining a front contact of said relay closed, and means controlled by said lever in its normal and reverse positions for operating said switch to its normal and reverse positions if and only if a front contact of said stick relay is closed.

2,026,811
CAN FEEDING MECHANISM
Nelle P. Bach, Geneva, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 2, 1932, Serial No. 640,995
6 Claims. (Cl. 198—32)



1. A can feeding mechanism for receiving cans from a rapidly moving can carrier, comprising a movable member adapted to move adjacent said carrier and at substantially the same speed of travel, can receiving pockets carried by said movable member for receiving the cans from said carrier and for retarding their travel by moving back relative to said member as the cans are advanced, and means for discharging said retarded cans from said feeding mechanism.

2,026,812
HYDROCARBON OIL TREATMENT
Edwin R. Birkhimer, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application March 26, 1930, Serial No. 663,243
17 Claims. (Cl. 196—13)

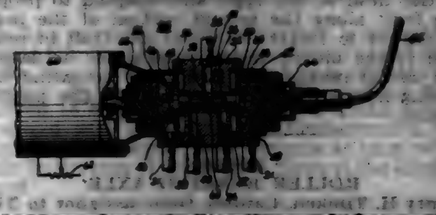
1. In the art of refining mineral oils, the process which comprises separating an oil containing paraffinic and naphthenic hydrocarbons into fractions respectively richer in paraffinic and naphthenic compounds by extracting said oil with acetophenone.

2,026,813
PROCESS FOR SALTING EDIBLE NUTS
James Eustace Bissell, Brooklyn, N. Y., and Carey Kinchen Bissell, Elizabeth, N. J.
No Drawing. Application October 19, 1933, Serial No. 694,223
8 Claims. (Cl. 99—11)

1. The process of salting the kernels of edible nuts which comprises preparing a treating medium by boiling rice in water, making the liquid saline, straining the same, applying the product so formed to the kernels and finally evaporating the water from the kernels.

7. The process of salting kernels of edible nuts which comprises preparing a saline solution containing a colorless, odorless and tasteless dextrin, applying the solution to the kernels and finally removing the water therefrom.

2,026,814
PROPELLER CONTROL MECHANISM
Frank W. Caldwell, West Hartford, and Kile Martin, Hartford, Conn., assignors, by mesne assignments, to United Aircraft Corporation, a corporation of Delaware
Application June 6, 1934, Serial No. 729,214
11 Claims. (Cl. 170—142)



1. Means for controlling the speed of an engine by changing the pitch of a propeller driven thereby comprising, in combination, means driven by the engine, means driven at a constant speed and means actuated by, and responsive to a difference in the speeds of, said driven means for changing the pitch of the propeller.

2,026,815
PENCIL
Frederic E. Barber, Georgetown, Mass.
Application July 26, 1933, Serial No. 682,238
24 Claims. (Cl. 120—48)

5. A pencil comprising a tubular body having a writing element projecting from one end thereof, mechanism within said body for feeding said writing element outwardly, and control means associated with said mechanism for maintaining the end of said writing element at a predetermined distance beyond the end of said body, said control means including a member having an end contemplates with and disposed within

the confines of the end of said writing element and arranged constantly to engage the writing surface as the writing progresses.



22. A writing element for use with a pencil of the class described, said writing element comprising an elongate lead having an axial bore extending from one end to the other.

2,026,816
SOAP PREPARATION
Heinrich Bertsch, Chemnitz, Germany, assignor, by mesne assignments, to American Hyalsol Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 2, 1933, Serial No. 692,869. In Germany October 6, 1932
20 Claims. (Cl. 87—8)

1. A soap composition for use in hard water comprising in combination essentially a water soluble soap and a water soluble salt of an acid sulphuric acid ester of a higher aliphatic alcohol in proportions which prevent precipitation of the soap during use in hard water.

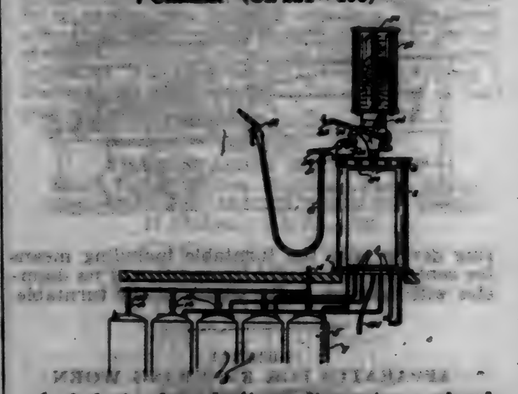
7. A stable soap composition comprising in combination a water soluble soap and a water soluble salt of an acid sulphuric acid ester of lauryl alcohol.

2,026,817
PROCESS FOR THE MAKING OF DYE BATHS AND PRINTING COLORS FOR NAPHTHOL DYEING
Heinrich Bertsch, Chemnitz, Germany, assignor to H. Th. Böhme, Aktiengesellschaft, Chemnitz, Germany, a corporation of Germany
No Drawing. Application July 8, 1933, Serial No. 679,556. In Germany July 9, 1932
9 Claims. (Cl. 8—6)

1. In a process of manufacturing dye baths and printing colors for naphthol dyeing, the step which comprises mixing a naphthol dye component with a dispersion agent containing an aliphatic higher molecular alcohol ester of an inorganic oxygen-containing acid selected from the group consisting of sulphuric and phosphoric acids, said ester containing at least one free hydroxyl group.

9. The process of increasing the dispersing power of a treatment liquid, which comprises mixing with the liquid a dispersion agent comprising a phosphated polyhydroxy alcohol of the fatty series, said phosphated product containing at least one free hydroxyl group.

2,026,818
LIQUID DISPENSING DEVICE
William H. Beasley, Oregon City, Oreg.
Application May 14, 1935, Serial No. 21,382
7 Claims. (Cl. 221—100)



1. A device for selectively dispensing a plurality of liquids, the combination of liquid retention means, a plurality of secondary valves arranged in a common path and each connected to a fluid retention means, a movable supporting element, a primary valve carried thereby and movable to engagement with either of the secondary valves for the passage of liquid through both, operating mechanism for operating the primary and selected secondary valve simultaneously, a liquid measuring and dispensing receptacle connected to the primary valve, and compressible fluid means for ejecting liquids from such receptacle when the primary and its cooperating secondary valve are closed.

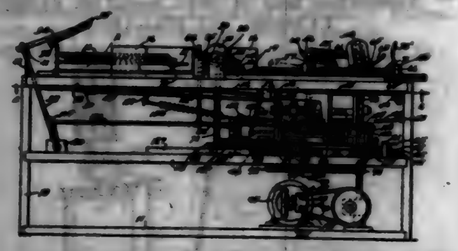
2,026,819
PROCESS OF PREPARING A CATALYST FOR THE REDUCTION OF SULPHUR DIOXIDE
Maitland C. Boswell, Toronto, Ontario, Canada
No Drawing. Application October 27, 1932, Serial No. 639,782
1 Claim. (Cl. 23—231)

1. A process of producing a catalyst which consists in partly dehydrating a compound or compounds of a metal of the iron group, selected from a group of compounds consisting of hydrated sulphides, and a mixture of hydrated sulphides with hydroxides or oxides, in the absence of air, subjecting the partly dehydrated material to the action of oxygen to increase its susceptibility to the action of sulphur dioxide; subjecting it to the action of sulphur dioxide at more than room temperature; and finally subjecting the material to the action of hydrogen and sulphur dioxide at a higher temperature than that of the previous treatment with sulphur dioxide.

2,026,820
AUTOMATIC PHONOGRAPH
Ray B. Bryant, Dallas, Tex.
Application September 29, 1926, Serial No. 494,997
9 Claims. (Cl. 274—16)

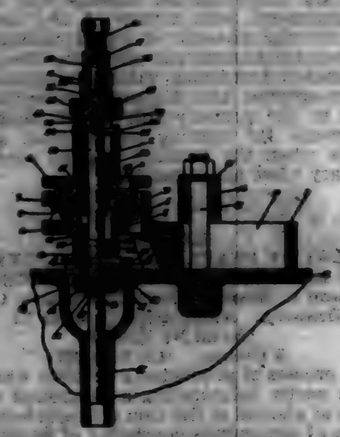
7. In a sound reproducing apparatus, a rotatable turntable, a plurality of records of different diameters arranged in a stack, a transferring device for receiving a record from the stack for delivery to the turntable, means for positioning the record irrespective of its diameter at a common point for delivery to the transferring device, means for dislodging the record from the stack

into said device, and automatically operated means for ejecting the record from the transfer-



ring device onto the turntable including means for centering the record irrespective of its diameter with relation to the center of the turntable.

2,026,221
APPARATUS FOR RENEWING WORN VALVE SEATS
Charles H. Cleveland, Charles A. Heine, and John T. Allison, Minneapolis, Minn.
Application September 30, 1931, Serial No. 565,980
11 Claims. (Cl. 90—13.5)



11. In a tool of the class described, a supporting sleeve, a universal support therefor comprising a bracket adapted to be secured to a face of an engine block, a hollow spindle mounted for rotation in said sleeve, a cutting element supported on the lower end of said spindle, a feed rod mounted in said spindle and non-rotatable with respect thereto, and means movably mounted on the feed rod and operatively engaging said spindle, and whereby the latter may be axially moved with respect to said feed rod to thereby feed the cutting element into the work.

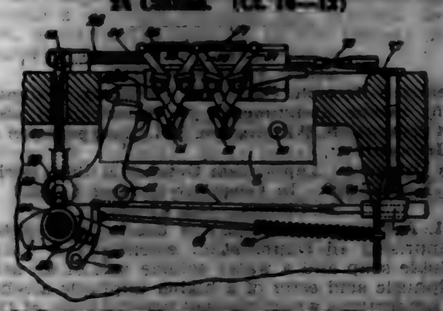
2,026,222
SPARK PLUG
Isaac Earl Close, Oakland, Calif.
Application May 5, 1934, Serial No. 724,091
7 Claims. (Cl. 123—169)

1. In a spark plug adapted for use with an internal combustion engine and including as parts thereof an insulator and a shell enveloping a portion of said insulator and an element of heat-conducting material interposed between said insulator and said shell so as to be in direct contact with the block of said engine, whereby heat



transmitted to said insulator will be effectively dissipated to said block.

2,026,223
BOLT MAKING MACHINE
William L. Close, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio
Application March 30, 1934, Serial No. 718,122
24 Claims. (Cl. 10—12)



1. In combination, a plurality of dies arranged in a straight line, a reciprocating slide carrying a plurality of tools arranged to coact with said dies to work upon blanks held therein, transfer mechanism, and means for moving said mechanism to transfer blanks from the first die to the second and from the second to the third during the time the tools carried by said slide are spaced from said dies, for holding said mechanism stationary during the time the tools are in engagement with the blanks in said dies, and for moving said mechanism on its return travel from the third and second dies to the second and first dies, respectively, after said tools have begun to move out of engagement with the blanks.

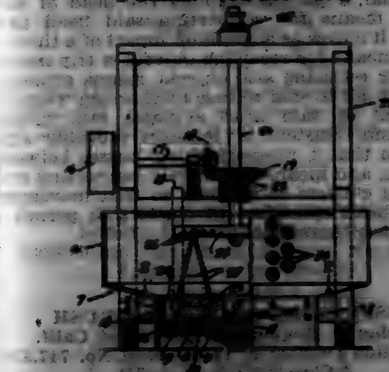
2,026,224
CABLE CLAMP
Ellis W. Cooper, Los Angeles, Calif.
Application June 23, 1934, Serial No. 732,168
7 Claims. (Cl. 24—135)



1. A cable clamp for use on a cable of a given diameter including, two plate members, one member having a groove of inwardly diminishing cross

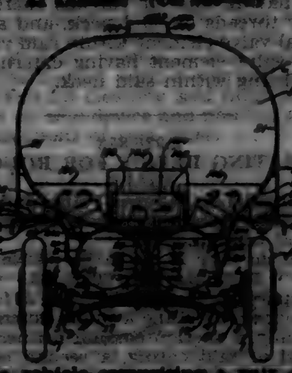
section for partially receiving a cable, said groove having substantially flat cable engaging walls pitched at a comparatively small angle with respect to one another, the groove being so proportioned with respect to the diameter of the cable that the cable cannot engage the bottom wall of the groove and has a portion projecting from the mouth of the groove, the other member being adapted to engage the portion of the cable projecting from the groove, and means for forcing the members toward one another to wedge the cable in the groove.

2,026,225
DEVICE FOR MILLING AND SEPARATING ORES
John H. Dooner, Los Angeles, Calif.
Application February 10, 1934, Serial No. 711,037
1 Claim. (Cl. 209—191)



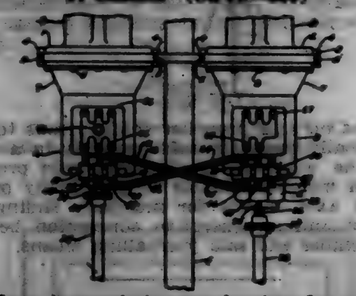
In a device for milling and separating ore, a tank, an annular mortar with perpendicular cylindrical sides and an inwardly sloping bottom forming a channel extending around the bottom of said tank, radial grooves in the upper surface of the bottom of said mortar, pestle-sleds, means to increase the weight of said sleds, drag rakes attached to said sleds, and means to impel said sleds around said channel and over pieces of ore fed to said mortar.

2,026,226
TRANSMISSION TANK VEHICLE
Hugh Joseph Dillon, Highland Park, Mich.
Application March 26, 1934, Serial No. 717,554
21 Claims. (Cl. 180—5)



20. In a vehicle comprising a pair of engines provided with inclined cylinders, the combination of a tank provided with a cab compartment, said tank having its lower side extended to form a beam structure extending longitudinally at the lower side of said tank and its cab compartment and between the inclined cylinders of said pair of engines, the lower side of said cab compartment being provided with openings therein to receive the inclined cylinders, said lower side of said cab compartment having a portion of its wall portions extending between said openings and over said beam structure to form a walkway between said inclined cylinders of said pair of engines.

2,026,227
TRANSMISSION MECHANISM
Hugh Joseph Dillon, Highland Park, Mich.
Application July 19, 1934, Serial No. 735,459
17 Claims. (Cl. 74—325)

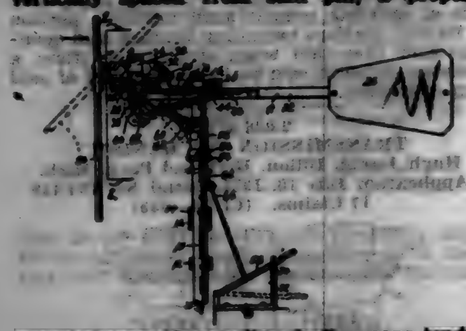


1. In a transmission mechanism for a vehicle having a pair of engines and driving mechanism, the combination of a transmission suitably mounted and operatively connected with one of the engines and the driving mechanism of the vehicle, said transmission having a plurality of under drive gear reduction speeds together with an overdrive gear speed, said transmission further having a gear shift mechanism for manually selecting the desired gear ratio of the transmission, a second transmission suitably mounted and operatively connected with the other of the engines and the driving mechanism of the vehicle, said second transmission having gear shift mechanism together with a number of under drive gear reduction speeds equal in number to the under drive gear reduction speeds of said first mentioned transmission, a free wheeling mechanism suitably mounted and operatively interposed between said second transmission and the driving mechanism of the vehicle, and means operatively connecting the gear shift mechanism of said first mentioned transmission with the gear shift mechanism of said second transmission to permit automatic operation of the gear shift mechanism of said second transmission when the gear shift mechanism of said first mentioned gear mechanism is manually operated, to shift the under drive gear reduction speeds thereof, the over drive gear of said first mentioned transmission being shiftable by the manual gear shift mechanism of said first mentioned transmission without effecting any shifting of gear ratios in said second transmission to enable the vehicle to be driven by one only of said pair of engines and with the over drive gear speed of said first mentioned transmission when said free wheeling mechanism is providing free wheeling operation.

2,026,228
WIND DRIVEN GENERATOR STRUCTURE
William G. Burns, Clarinda, Iowa
Application April 16, 1935, Serial No. 16,179
13 Claims. (Cl. 290—55)

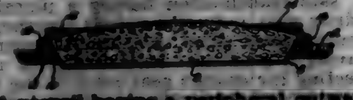
8. In a wind driven generator structure, a frame pivoted on a vertical axis, a vane for main-

taining said frame in a predetermined position relative to the direction of the wind, a horizontal pivot pin supported by said frame, propeller shaft journalling means mounted on said pivot pin, a propeller shaft journalled therein and vertically spaced from said pin, a propeller



mounted on said propeller shaft, means tending to normally maintain said propeller in a vertical plane, a generator driven by said propeller shaft, a member slidable longitudinally of said vertical axis, means for manually sliding said member and an operative connection between said member and said journalling means.

2,026,529
FIR FAN
Flora Ellinger, Milwaukee, Wis.
Application February 15, 1935, Serial No. 6,636
5 Claims. (Cl. 53—6)



1. A utensil having a peripheral outwardly directed, downwardly inclined, relatively wide, plane surfaced flange at its upper edge, and a trough depending from the outer edge of said flange.

2,026,530
CASEMENT WINDOW SCREEN
Harry H. Everhard, Canton, Ohio
Application June 15, 1933, Serial No. 27,007
2 Claims. (Cl. 160—14)



1. In a metal casement window frame, clip means detachably mounted on said casement frame, and means on a screen frame for detachably locking the screen frame to said clip means.

2,026,531
TARGET GAME
Steve Graf, Detroit, Mich.
Application May 14, 1934, Serial No. 725,562
3 Claims. (Cl. 273—101)



1. In a target formed to resemble an egg-laying animal, a part resembling the head of said animal, means for supporting said head part whereby it moves as a result of impact of a thrown missile, means for receiving objects, a trip mechanism for releasing said objects, means connecting said head to said release mechanism whereby movement of said head actuates said release mechanism, clusters of feathers movably supported so that a released object passes between the same, and means operatively connecting said head and clusters of feathers so that movement of said head spreads said clusters to permit a ball to pass therebetween.

2,026,532
DISPENSING FOUNTAIN BRUSH
Weldon D. Henderson, Hollywood, Calif.
Application October 9, 1934, Serial No. 747,530
4 Claims. (Cl. 15—124)

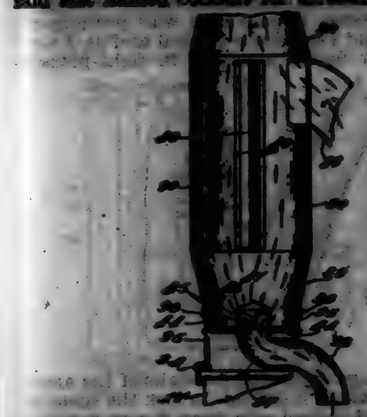


1. The combination of a collapsible tube and a shaving brush, said collapsible tube including a neck having external and internal threads thereon, said brush including a bristle portion and a head, said head having an external valve member rigidly secured thereto, said external valve member having interior threads thereon fitting the outer threads on said neck, and a rotatable cylindrical valve element within said valve member, said valve element having external threads thereon fitting within said neck.

2,026,533
SEPARATING DEVICE FOR ROUGHAGE MILLS
John Holland-Lois, Crown Point, Ind., assignor to The Lois Manufacturing Company, a corporation of Indiana
Application May 21, 1932, Serial No. 613,754
5 Claims. (Cl. 209—144)

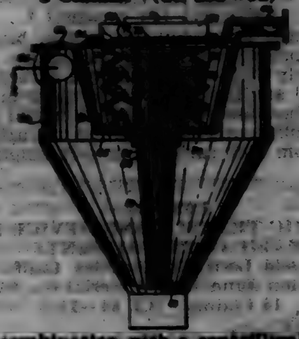
1. A separating mechanism for a forage preparing device comprising a single elongated cylindrical casing, a suction conduit connected to the upper end of said casing, a second conduit for discharging the material tangentially into the upper end of said casing, vertically extending spaced apart baffles secured to the inner wall of said casing, a conduit located in the axial center

adjacent the lower portion of said casing, and a deflector mounted adjacent the upper end of said last named conduit for directing a blast of



air outwardly toward the cylindrical walls and against the baffles of said casing for separating the lighter material from the heavier material.

2,026,534
SEPARATING APPARATUS
Ludwig F. Kelly, Montrose, N. J.
Application July 22, 1932, Serial No. 624,673
8 Claims. (Cl. 183—61)



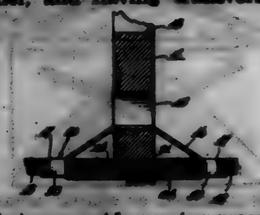
1. In combination with a centrifugal separator removing solids from fluids, a filter interposed in the fluid outlet of said separator, fluid conveying means in said separator facing at one end a section of said filter and discharging towards the outlet for said solids at its other end, and means propelling the fluid in said means away from said filter and applying suction to said section.

7. In combination with a corrugated filter, a suction device for cleaning said filter, and a suction nozzle on said device and notched to register with corrugations of said filter.

2,026,535
BUILDING CONSTRUCTION FABRICATING DEVICE
Joseph A. Irwin, Cleveland, Ohio
Application October 12, 1933, Serial No. 693,126
12 Claims. (Cl. 72—115)

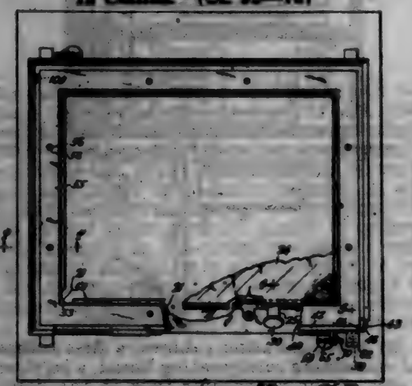
1. A device of the character described, the combination with a support, of a panel, securing means passing about said support, and transversely of the thickness of said panel at spaced points and to the outer side of said panel, and extending along the outer surface of said panel, said securing means being operable to secure said

panel to said support; and shielding means having a base portion lying beneath said securing means where they pass along the outer surface of said panel, and having transverse portions



interposed between said securing means and said panel to the points where said securing means pass transversely of said panel, to protect said panel against injurious contact with said securing means.

2,026,536
NEGATIVE HOLDER
Harry C. Jones, New York, N. Y.
Application December 1, 1933, Serial No. 700,620
15 Claims. (Cl. 95—76)



1. In a negative holder for photographic printing by vacuum-produced contact between a negative and a sensitized surface, an inner frame having an outer inwardly inclined surface, a sheet of transparent material adapted to carry the negative and supported by said frame, means for sealing the sheet to the frame, an outer frame arranged to rest on the inclined surface of the inner frame, means carried by the outer frame for sealing said outer frame to the sensitized surface, means for sealing the outer frame to the inclined surface of the inner frame, an inwardly extending member on the outer frame adapted to support the sensitized surface on the application of vacuum to the holder, yieldable clamps for holding the frames together, and means cooperating with the clamps for adjusting the height of said member relatively to the sheet.

2,026,537
ENVELOPE
George H. Kennedy, Jr., Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application October 11, 1933, Serial No. 693,163
2 Claims. (Cl. 229—69)

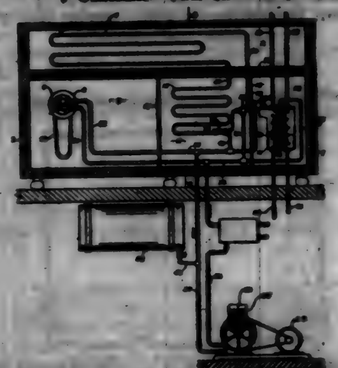
1. An envelope having corresponding areas of its seal flap and rear wall gummed or coated with an adhesive of a type adapted to adhere to itself upon the application of pressure alone, said envelope having spaced lines of folding, one to

permit folding of the seal flap without registration of the gummed or coated areas and the other



to bring said gummed or coated areas into register.

2,026,526
REFRIGERATING MEANS AND METHOD
Edward C. Koepke, Cleveland, Ohio, assignor to The Bishop & Babcock Sales Company, Cleveland, Ohio, a corporation of Ohio
Application June 10, 1931, Serial No. 543,254
7 Claims. (Cl. 62—161)



1. In a refrigerating cabinet, a first compartment containing refrigerating liquid, a refrigerating unit of the evaporator type in the liquid, a second compartment, a refrigerator unit of the expansion type comprising a refrigerating conduit in the second compartment, an expansion valve device the operation of which is controlled by temperature alone, the device comprising a thermally responsive means disposed in thermally responsive proximity to said conduit and controlling the supply of refrigerant to the conduit to maintain the conduit at substantially a constant temperature, and a pump for pumping liquid refrigerant to and for withdrawing evaporated refrigerant from each unit independently whereby the temperature of one compartment may be maintained independently of that of the other, the temperature control expansion valve device deriving its controlling temperature from a portion of the conduit in the second compartment and adjustable to vary the temperature of the conduit independently of the temperature of the liquid in the first compartment and to maintain the temperature of the conduit higher than that of the liquid.

2,026,529
TEAKETTLE SPOUT
Richard F. Krause, Massillon, Ohio, assignor to The Enterprise Aluminum Company, Massillon, Ohio, a corporation of Ohio
Application April 2, 1932, Serial No. 602,779
1 Claim. (Cl. 53—6)

A vessel having wall portions of uniform thin gauge metal, a spout therefor having a peripheral attaching flange provided with a plurality of rivet studs and a second attaching flange, said rivet studs and said second attaching flange extending through apertures in said thin wall portions of said vessel, said rivet studs headed and said second attaching flange arranged in tight-pressed



frictional engagement with the walls of the aperture through which it extends to lock the spout to the vessel, said second attaching flange projecting beyond the inner surface of the vessel wall and the heads of said rivet studs upward the entire periphery of the aperture.

2,026,540
PRODUCTION OF CARBON BISULPHIDE
Michael J. Lasky, Fort Worth, Tex.
No Drawing. Application March 30, 1934, Serial No. 716,581
15 Claims. (Cl. 23—206)

1. A process for producing carbon bisulphide which comprises mixing together finely divided carbon, finely divided sulphur and carbon bisulphide liquid and heating such mixture in a container in the absence of free oxygen to a temperature sufficiently high to form carbon bisulphide from such carbon and such sulphur.

2,026,561
ELECTRIC TRANSLATING DEVICE FOR MUSICAL INSTRUMENTS
Arnold Lesti, Los Angeles, Calif.
Application June 8, 1933, Serial No. 25,166
14 Claims. (Cl. 84—1)



1. The combination, in steel stringed musical instruments, of a plurality of wire coils, iron cores contained within the said coils each having a face of equal distance to the strings, means for sending a direct current through the coils to produce a series of magnetized zones, in each steel string, with reversed magnetic polarity for adjacent zones whereby induced currents are established in the coils when the strings are vibrated, means for disconnecting the direct current, means for amplifying the induced currents and of translating them into sounds.

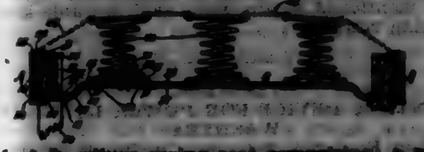
2,026,562
GAS ANALYSER APPARATUS
Maryan P. Matuszak, Pittsburgh, Pa., assignor to Fisher Scientific Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 11, 1932, Serial No. 638,128
7 Claims. (Cl. 23—254)

1. Gas analysis apparatus framework comprising two rigid vertical frame members spaced from each other, a plurality of individual unitary supporting members carried by said frame members and each provided with a horizontally extending analytical element-supporting platform, said supporting members being arranged in alignment and rigidly connected together by removable con-



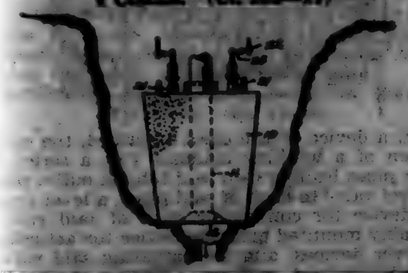
necting means adapted to permit the introduction or removal of units according to need, slide members carried by the frame members for adjustment vertically thereof and adapted to be locked in adjusted position, and means connecting the end units to said slide members.

2,026,563
FURNITURE SPRING SEAT
Charles C. Mentzer, Buffalo, N. Y.
Application June 14, 1933, Serial No. 675,144
4 Claims. (Cl. 155—179)



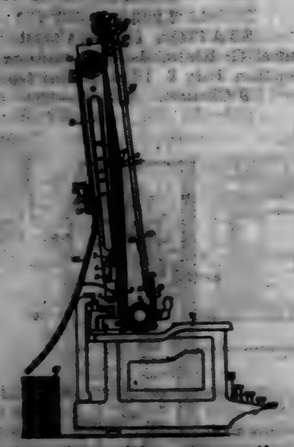
1. A furniture spring seat comprising: a main frame; a pressure flange secured to said frame; a bar adapted to support a person's weight; a pair of lateral guides connected with said flange and embracing opposite edges of said bar; and an overload spring resiliently urging said bar toward said flange.

2,026,564
MEANS FOR CONTROLLING WELLS
James L. Monahan, San Antonio, Tex.
Application May 26, 1934, Serial No. 727,444
4 Claims. (Cl. 166—15)



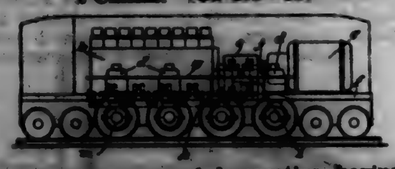
1. A well flow controlling device comprising, a body having sufficient weight to hold it in place at the top of the well against the flowing pressure thereof and having a central vertical passage therethrough for the well fluid, and means in the body for closing off said passage, the body having additional passages for conducting a fluid through said body into the well for equalizing the pressure of the well fluid.

2,026,845
TYPEWRITER ATTACHMENT
William C. Fiddler, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application January 2, 1935, Serial No. 251
17 Claims. (Cl. 197—126)



1. In combination with a typewriter, an attachment therefor adapted to support and guide a plurality of strips of paper having spaced aligning holes therein to the typewriter comprising a frame having an upper bar, a spring operated drum on said upper bar, a guide member on said bar, a slide member including a transverse bar slidable in said guide member, means to connect the slide member to the drum and means comprising spaced pins on said slide member to engage the leading ends of the strips of paper by engagement with the spaced aligning holes whereby the strips may be kept in alignment during the feeding thereof.

2,026,846
LOCOMOTIVE
Gustav Fleischer, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany, a corporation of Germany
Application February 11, 1933, Serial No. 656,394
In Germany February 27, 1932
2 Claims. (Cl. 105—35)



2. An engine powered locomotive having an engine, generator and motors accommodated in a comparatively small space and comprising a pair of spaced longitudinal side frame members, a plurality of driven axles supporting said members and each having a pair of driving wheels, the driving wheels on a side of the locomotive being closely spaced apart, an internal combustion engine positioned longitudinally between said frame members directly above and extending across a plurality of said driven axles and having its lower portion extending down between the frame members and between the upper portions of the driving wheels, a pair of vertical electric motors for each driven axle provided above the ends of the axles at opposite sides of the locomotive, and

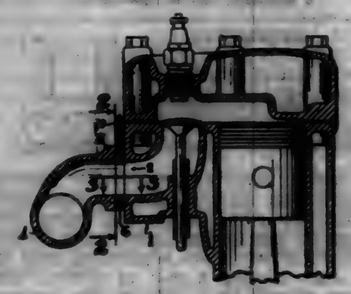
an electric generator driven by said engine for energizing said motors, said generator being mounted on said members longitudinally of the engine and having its shaft vertically spaced above the engine shaft and in driving connection therewith.

2,026,947
STATION INDICATOR
Samuel G. Richards, Des Moines, Iowa
Application July 9, 1934, Serial No. 734,592
9 Claims. (Cl. 40—88)



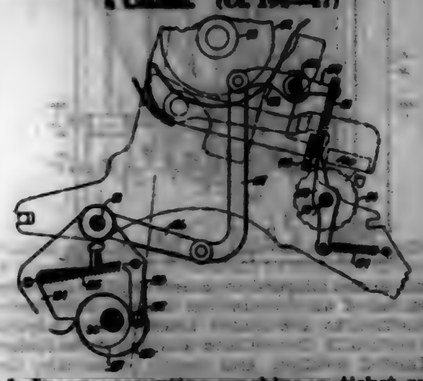
3. In a station indicator, the combination of a frame, a flexible apron, means for supporting the apron within the frame, a series of spaced apart stop devices fixed to the apron, a stop device carried by the frame, means for advancing the apron, and means actuated by said apron advancing means for moving the apron to position where the stop devices on the apron will, during the further advance of the apron, engage and be held by the stop device on the frame.

2,026,948
COOLING MEANS FOR INTERNAL COMBUSTION ENGINES
Ernest W. Ruber, San Francisco, Calif.
Application August 19, 1933, Serial No. 685,869
8 Claims. (Cl. 123—171)



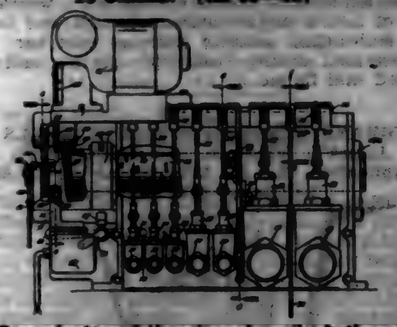
1. In an engine of the internal combustion type, a cylinder block having exhaust ports therein, an exhaust manifold secured to the block in spaced relation thereto, an elongated metal plate of high thermal conductivity interposed between and in contact with said block and manifold and provided with openings registering with said exhaust ports.

2,026,949
CASH REGISTER
Herman F. Sedgebury, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application September 22, 1926, Serial No. 137,604, now Patent No. 1,957,471, dated May 8, 1934. Divided and this application October 12, 1932, Serial No. 638,263
4 Claims. (Cl. 194—47)



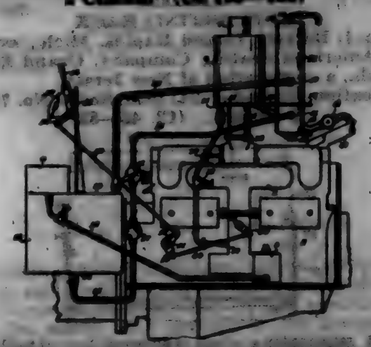
1. In an accounting machine, a ticket severing mechanism comprising a stationary knife, a movable knife, means for urging the movable knife toward the stationary knife, means for retracting the movable knife and thereby storing energy in the first mentioned means and additional means for further storing energy in said first mentioned means while said movable knife is being retracted.

2,026,950
CONTROL DEVICE FOR POWER LAUNDRY WASHERS
Paul Frederick Schaum, Cincinnati, Ohio
Application June 24, 1933, Serial No. 676,282
13 Claims. (Cl. 68—18)



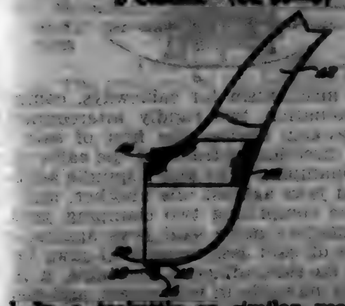
1. In a device of the class described, the combination of a washing machine tub, a series of supply pipes leading into said tub, an outlet pipe, a control valve in each of said pipes, a lever actuated device for controlling each of said valves, a movably mounted program device for actuating said lever devices, and for actuating said valves in predetermined sequence, driving means for actuating said program device, manually actuated supporting means for moving said program device into and out of operative relation with said driving means and said lever devices, means for locking the program supporting means in operative position, and means automatically operated for releasing said locking means when the program device has completed its movement.

2,026,951
FUEL OIL GASIFYING DEVICE FOR COMBUSTION ENGINES
McLennan C. Stolz, Albany, Oreg., assignor to Stolz Mfg. Co., Portland, Oreg., a corporation of Oregon
Application February 5, 1934, Serial No. 709,900
2 Claims. (Cl. 123—122)



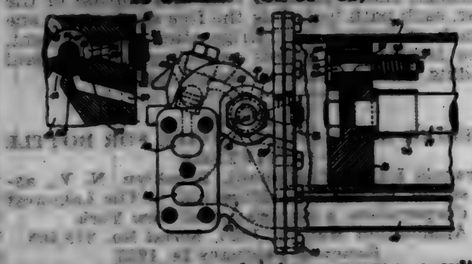
1. In apparatus of the class described, the combination with the exhaust manifold of a combustion engine, a heating chamber disposed in said exhaust manifold directly in the path of the exhaust gases, said chamber having a conical base with an opening at the apex thereof, a conduit integral with the base of the chamber and extending at a substantially sharp inclination therefrom, said conduit having a cut out portion therein, an auxiliary fuel oil reservoir disposed adjacent to and in vertical alignment with the heating chamber, the conduit passing through the lower portion of the reservoir with the cut out portion communicating with the interior of said reservoir, a pipe connected to and communicating with the interior of the heating chamber at the top thereof and leading to the intake manifold of the combustion engine, said pipe adapted to deliver the gases from within the heating chamber to the intake manifold, means for automatically controlling the rate of flow of said gases, and hydrostatic means responsive to the pressure created within said heating chamber for controlling the flow of fuel oil into said chamber and for conducting the resultant gases under substantially uniform pressure from said chamber to said intake manifold.

2,026,952
SPOUT ATTACHMENT FOR VESSELS
James N. Smith, Westfield, N. J., assignor, by mesne assignments, to The Enterprise Aluminum Company, a corporation of Ohio
Application July 29, 1932, Serial No. 626,056
3 Claims. (Cl. 53—6)



1. In a teakettle or similar vessel, a spout having a peripheral attaching flange extending outwardly around the sides and bottom of the base portion thereof and inwardly across the top of said base portion, said outwardly and inwardly extending portions of said flange both provided with means for attaching the spout to the vessel.

2,026,953
LIFTING MECHANISM
Ralph E. Smith, Galion, Ohio, assignor to The Galion Metallic Vault Company, Galion, Ohio, a corporation of Ohio
Application December 12, 1931, Serial No. 581,292
23 Claims. (Cl. 60—52)



1. In a hoisting mechanism, a pump, a cylinder having a head, a piston in said cylinder, said head having a valve chamber with an inlet from the cylinder, a check valve therein and an outlet into the cylinder and an inlet from the pump and a single valve to close the inlets and the outlet.

2,026,954
GASKET WITH INTEGRAL MOLDED FLANGE
Benjamin J. Victor, Oak Park, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application September 25, 1933, Serial No. 691,477
1 Claim. (Cl. 288—1)



A gasket, comprising sheets of compressed impregnated asbestos, an intermediate metal reinforcing layer therebetween, integral projections in the metal layer penetrating the asbestos, the gasket having cylinder and water openings therein, a substantial portion of the gasket area being densified by compression and leaving ribs of less density and greater resiliency than the compressed portion about said openings.

2,026,955
APPARATUS FOR PRECOOLING REFRIGERATOR CARS
Henry T. Wikle, San Francisco, Calif.
Application September 24, 1934, Serial No. 744,571
1 Claim. (Cl. 62—94)

Apparatus for pre-cooling a refrigerator car having a central lading compartment and a refrigerating compartment at each end thereof communicating therewith at the top and bottom, the lading being arranged in two stacks with a vacant space between them in the center of the car, each stack being of less height than the interior of the car and having longitudinal air spaces extending through it communicating at one end with the lower portion of the refrigerating compartment and at the other end with said central vacant space, comprising removable horizontal baffles closing off said longitudinal spaces from the free space above the lading; a removable apertured vertical baffle between the top of each

stack of lading and the ceiling of the car; and removable fans positioned upon the lading, one in line with the aperture of each vertical baffle, said fans and said baffles causing air to circulate



through closed paths in each end portion of the car, each path including the free space above one stack of lading, one refrigerating compartment, the longitudinal spaces extending through said lading, and the central vacant space.

2,026,256

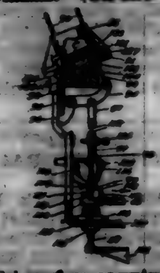
TIMING AND SAFETY DEVICE FOR BOTTLE CONVEYERS

Francis Edgar Youngdahl, Brooklyn, N. Y., assignor, by mesne assignments, to The Lakewood Corporation, a corporation of New York

Application May 21, 1928, Serial No. 279,466

Renewed February 24, 1933

20 Claims. (Cl. 226—52.1)



1. In a machine for capping containers, the combination with means for feeding containers, of mechanism for feeding and heating heat plastic caps for the containers, and means actuated by the containers in said container feeding means for controlling the feed of the caps in said mechanism, said cap feed controlling means including a yieldingly supported plate adapted to engage each container successively, and said container feeding means including a plurality of conveyers angularly disposed with respect to each other, a transfer device for moving the containers from one conveyer to the other and into engagement with said plate.

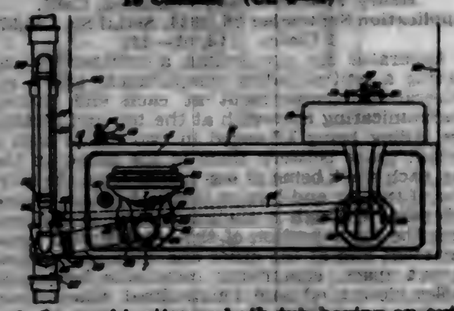
2,026,257

COMBINATION PLUMBING FIXTURE

Arthur H. Zimmerman, Hammond, Ind.

Application June 9, 1933, Serial No. 725,643

10 Claims. (Cl. 4—3)



1. In combination, a bath tub having an outer front wall and an inner front wall in proximity thereto, a water-closet mounted in raised position on said outer front wall, a lavatory mounted in raised position on said outer front wall, and plumbing connections for said water-closet and lavatory disposed behind said outer front wall and between said outer and inner front walls.

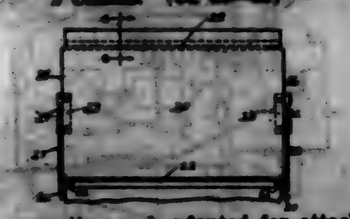
2,026,258

SUPPORTING RACK

Glenn J. Barrett, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey

Application December 24, 1934, Serial No. 758,537

2 Claims. (Cl. 45—89)



1. A supporting rack adapted for attachment to an angularly disposed support comprising a pair of arms pivotally connected at one end intermediate the ends of the support and a cross member pivotally connected adjacent the free ends of the arms whereby the arms may be folded upwardly parallel with the ends of the support and the cross member thereafter folded downwardly behind and against the under side of the upper edge of the support.

2,026,259

SHEET METAL NUT AND PROCESS OF MAKING SAME

Edward C. Baynes, Birmingham, Mich.

Application May 13, 1932, Serial No. 670,869

2 Claims. (Cl. 10—86)



1. The process of producing sheet metal nuts comprising draw punching a relatively long sheet metal blank having its width only slightly greater than the outside diameter of the threaded portion of the finished nut, said draw punching operation forming a flanged opening, forcing additional metal toward and into said flange longitudinally of the blank, thereby lengthening said flange, and internally threading said flange.

2,026,260

GRIP MECHANISM FOR CABLEWAYS

Carl Bentler, Cologne-Lindenthal, Germany

Application June 16, 1933, Serial No. 675,693

In Germany June 17, 1932

3 Claims. (Cl. 104—182)



1. A grip mechanism for cableways, comprising in combination two rigidly interconnected traction rope grip devices the first of said devices in the direction of travel of the cable comprising two clamping jaws and a spindle adapted to move said jaws against one another, and the second device comprising two clamping jaws, a spindle adapted to move said jaws against one another, one of said last mentioned jaws being recessed on its side adjacent the cable, a liner longitudinally movable in said recess, and means in said recess moving said liner towards the cable and gripping the same.

2,026,261

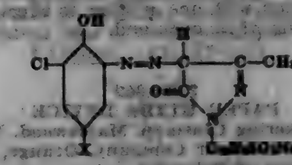
PYRAZOLONE AZO DYES AND THEIR PRODUCTION

Walther Benade, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application September 26, 1933, Serial No. 691,051. In Germany December 7, 1932

6 Claims. (Cl. 260—44.4)

1. The azo dyes corresponding to the general formula



wherein *x* means hydrogen, alkyl, —NO₂ or chlorine, said dyes forming in the dry state dark powders soluble in water and dyeing wool according to the single bath process in the presence of a chrome mordant orange to red tints having a good fastness for washing and fulling and a very good fastness to the action of light.

2,026,262

PREPARATION OF TITANIUM PIGMENTS

Joseph Blumenfeld, Paris, France, and Max Mayer, Karlsbad, Czechoslovakia, assignors to Krebs Pigment & Color Corporation, Newark, N. J., a corporation of Delaware

No Drawing. Application May 15, 1930, Serial No. 452,818

13 Claims. (Cl. 134—78)

4. A calcined composition for use as a pigment comprising titanium dioxide having an oxide of one of the elements selected from the group of elements consisting of cerium, thorium and zirconium within its pores.

10. In a process for the production of a titanium pigment the steps of suspending particles of titanium dioxide in a solution of a compound of one of the elements cerium, thorium and zirconium, treating said suspension to precipitate an oxide of one of said elements in the presence of said titanium dioxide and calcining said mixture.

2,026,263

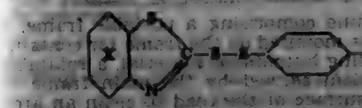
MERCAPTOBENZOTHIAZYL-ARYLDISULPHIDES

Max Bögemann, Cologne-Mülheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany

No Drawing. Application February 20, 1934, Serial No. 711,169. In Germany February 24, 1933

4 Claims. (Cl. 260—16)

1. The products of the formula



wherein the nucleus marked X may be substituted by halogen atoms, alkyl-, nitro- or alkoxy groups, said products being yellow crystalline compounds, and being valuable accelerators for natural rubber as well as for artificial rubber-like masses.

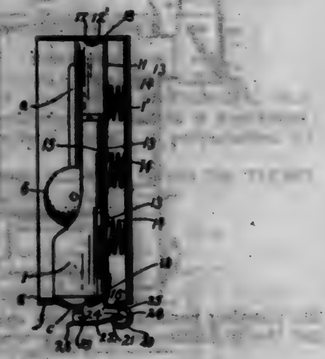
2,026,264

CABINET FOR COLLAPSIBLE TUBES

Edward Cairns, Montclair, N. J.

Application February 11, 1935, Serial No. 5,969

2 Claims. (Cl. 221—89)



1. In a dispensing device for collapsible tubes, the combination comprising a main casing adapted to be attached to a suitable support and a tube carrier member resiliently supported within said casing, a substantially spherical compression member mounted in said casing to one side of said carrier member and adapted to co-operate therewith to effect a squeezing action upon a collapsible tube interposed therebetween, and means for causing said compression member and said carrier member to effect the progressive collapse of a tube so inserted therebetween.

2,026,265

METHOD OF PRODUCING A CELLULOSE PRODUCT

John Campbell and Robert G. Quinn, Glens Falls, N. Y., assignors to International Paper Company, New York, N. Y., a corporation of New York

No Drawing. Application January 29, 1934, Serial No. 707,843

8 Claims. (Cl. 92—28)

1. The process for the manufacture of a cellulosic bulking agent comprising the steps of comminuting regenerated cellulose scrap, treating said comminuted cellulose to remove impurities and drying the so treated cellulose at a temperature below which cellulosic decomposition products are formed.

2,026,266

THERMOSTATICALLY ADJUSTED DRAFT REGULATOR

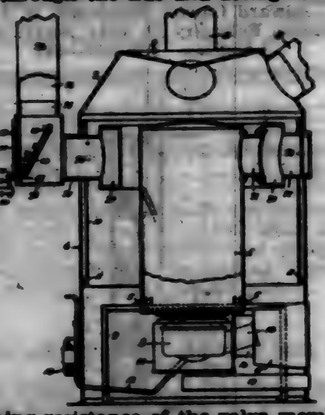
Lee S. Chadwick, Shaker Heights Village, Marc Resek, Cleveland Heights, and John A. Dahlstrom, Bay Village, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio

Application July 3, 1934, Serial No. 733,616

20 Claims. (Cl. 236—45)

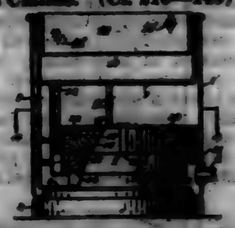
1. In combination with the flue of a combustion apparatus having an opening for admitting air, a movable valve member for controlling the admission of air through said opening, and means controlling the action of said member, the same tending to maintain the valve member closed in opposition to the flue draft and including a fiery

mostat subjected to the temperature of the gases passing through the flue and acting to increase



the opening resistance of the valve member under the influence of a rising temperature.

2,026,907
OIL FILTER FOR RESTAURANTS
Charles A. Compton, Menlo Park, Calif.
Application October 29, 1934, Serial No. 750,563
3 Claims. (Cl. 210—149)



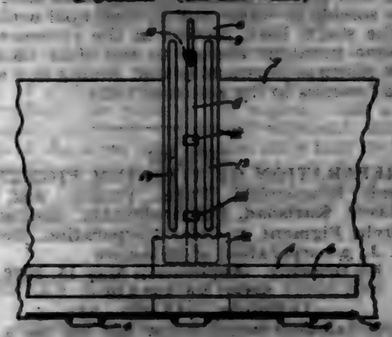
1. An oil filter comprising an outer casing, an inner casing for filtering the oil, a temporary oil receiving receptacle disposed at the top of the outer casing, a conduit leading from the receptacle and communicating with the bottom of the inner casing, filtering means disposed in the inner casing and being removable through the top of the inner casing, and means for holding the filtering means in place and bearing against the receptacle.

2,026,908
ONE-HANDED LIP STICK
Edward S. Cornell, Jr., Larchmont, N. Y.
Application March 15, 1932, Serial No. 598,711
2 Claims. (Cl. 206—56)



1. In a receptacle, the combination of an outer casing open at one end, a carrier member for the article to be dispensed located within the casing, an operating member located within the casing for propelling the end of the article to be dispensed without the limits of the casing and for returning such article to a point within the casing, shutter means mounted at the open end of the casing, said shutter means including a plurality of shutter elements mounted in pivotal relation to one another, and common means coordinated with said operating member for individually and successively engaging said shutter elements to move the same into vertically superposed relation with one another to effect opening of the casing at its open end.

2,026,909
PAPER GUIDE DEVICE
Loring Pickering Cressman, Maplewood, N. J., assignor to Gardner Company, Orange, N. J., a corporation of Delaware
Application October 2, 1935, Serial No. 43,144
1 Claim. (Cl. 197—127)



The combination with a cylindrical rotary platen of a paper guide comprising a support, a normally curved leaf spring, means to adjustably secure the spring to said support whereby in one adjusted position said spring is flattened against said support in tangential relation to said platen, and in another adjusted position of said spring an end thereof is in engagement with the platen at a point offset from the plane of said tangential relation, said point being determined by the tendency of said spring to assume its curved condition.

2,026,570
TRAFFIC STRIPE MACHINE
Samuel J. Dalton, Jackson, Miss.
Application April 15, 1935, Serial No. 16,686
2 Claims. (Cl. 91—1)



1. A machine comprising a portable frame, a tank or kettle mounted on the frame for containing and heating bituminous material, a rotatable brush or broom carried by the main frame to engage the surface of the road to clean an area of the surface of said road, a pump connected to the tank or kettle to obtain bituminous material therefrom, a discharge nozzle connected to the pump and arranged rearwardly of the brush and in close proximity to the surface of the road to apply the bituminous material in

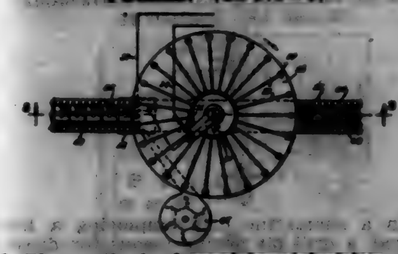
strip formation to the surface of the road, means carried by the frame to apply to the surface of the road within the bituminous material an aggregate or mineral material, and a spreader carried by the main frame to even the aggregate or mineral material deposited on the surface of the road, a roller carried by the main frame and acting as a wheel therefor and to compress the materials deposited on the surface of the road.

2,026,571
COLLAPSIBLE CRATE
Arthur N. Dedmon, Milan, Tenn.
Application May 2, 1935, Serial No. 19,463
4 Claims. (Cl. 217—37)



1. A crate of the class described composed of two sets of strips arranged at right angles to each other with one set passing across the central portions of the other set, the strips being scored transversely for permitting the end portions of the strips to be folded upwardly to provide the sides and end parts of the crate, cross bars connected with the ends of one set of strips, cross bars connected to the other set of strips adjacent their ends, the ends of the two sets of cross bars overlapping when the crate is set up and removable pins passing through said overlapping ends for holding the crate in set-up condition.

2,026,573
TELEVISION RECEIVING METHOD AND APPARATUS
Lee de Forest, Hollywood, Calif., assignor to American Television Laboratories, Inc., a corporation of Delaware
Application April 24, 1931, Serial No. 533,464
4 Claims. (Cl. 178—6)



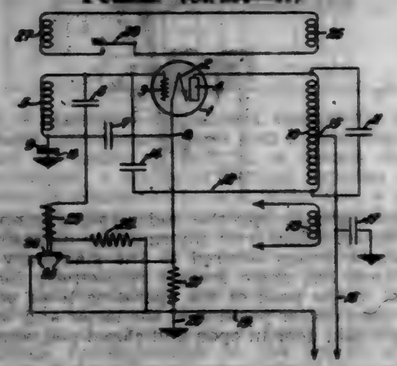
1. The method of receiving television signals which comprises electrically imposing a patent image of the received electrically transmitted pictures on a moving film in a two-dimensional pattern through the medium of the electric discharge and immediately passing the film through a motion picture projector at motion picture speed of travel of the film so that the receipt of the picture and the projection thereof are substantially coincident.

2,026,572
METHOD FOR SOFTENING BLEACHED AND DYED RUSCUS
John M. Dent, Jacksonville, Fla.
No Drawing. Application October 2, 1934, Serial No. 746,625
10 Claims. (Cl. 99—1)

2. The method of softening dyed ruscus, comprising submerging the same in an emulsified solution of water-soluble sulphonated vegetable oils, glycerine, and vegetable gums, and subsequently drying.

14. A composition for softening dyed ruscus, comprising an emulsified solution of a water-soluble sulphonated vegetable oil, glycerine, and a vegetable gum.

2,026,574
KEYING CIRCUIT
William W. Eitel and Jack McCullough, San Bruno, Calif., assignors to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application February 27, 1934, Serial No. 713,107
1 Claim. (Cl. 284—17)



In an oscillator system having a thermionic tube, a tuned-grid circuit and a tuned-plate circuit connected thereto and adapted to produce oscillations in said tube by virtue of the internal feedback of said tube, means for neutralizing said feed-back to stop said oscillation, an inductance coupled to said grid circuit, a second inductance coupled to said plate circuit, said inductances being in series, the coupling of said inductances to said circuits being sufficient to transfer sufficient energy therebetween to overcome the effect of said neutralizing means, and means for interrupting the connection between said inductances at signal frequency.

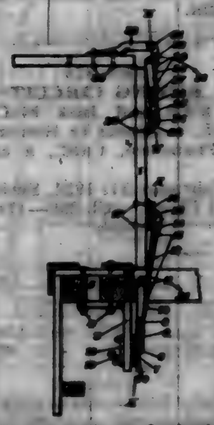
2,026,575
SULPHUR-CONTAINING PLASTIC AND PROCESS OF MAKING SAME
Carleton Ellis, Montclair, and William P. ter Horst, Wayne, N. J., assignors to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application October 15, 1931, Serial No. 569,112
22 Claims. (Cl. 106—22)

1. The plastic materials as described, containing the reaction product of glycerol dichlorhydrin and an alkali polysulphide, said reaction product being soluble in a restricted number of organic solvents.

2,026,576
SELF-LOCKING DOOR OPERATING MECHANISM
Hjalmar Erickson, Bessemer Township, Gogebic County, Mich.
Application December 12, 1933, Serial No. 702,970
2 Claims. (Cl. 268—61)

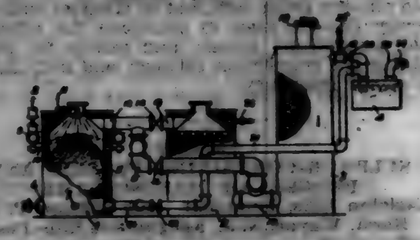
1. In an operating and locking mechanism for doors, an angle bracket adapted to have one arm fixed to a stationary support, a bearing bracket

adjustably mounted on the other arm, a bearing bracket secured to a door hinged to the stationary support, an operating lever having one end pivotally connected with the first mentioned bearing bracket, a link having one end pivotally connected with the second mentioned bearing



bracket and its opposite end pivotally connected to the operating lever intermediate its ends, and separate means secured to the stationary support and the angle bracket respectively for disposal in the path of the operating lever beyond the dead center position of the latter and link to secure said door in open and closed positions.

2,034,277
MANUFACTURE OF CARBURETED WATER GAS WITH HEAVY OIL
Owen B. Evans, Philadelphia, Pa., assignor to The United Gas Improvement Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 21, 1931, Serial No. 510,120
5 Claims. (Cl. 48—206)



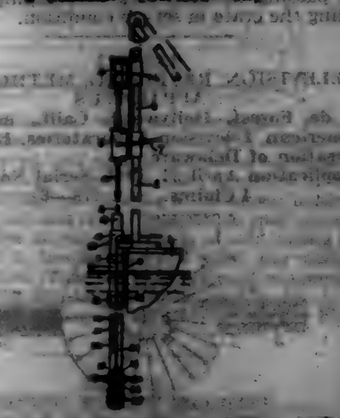
2. A process of manufacturing carbureted water gas which includes the following steps: air blasting an ignited fuel bed, burning the blast gases with secondary air introduced marginally adjacent the upper edge of the fuel bed, and dividing the flow of the blast gases and passing them in two streams through two heat exchange vessels thereby controlling the amount of heat stored in each vessel; introducing steam and oil to said fuel bed and vaporizing the oil and carbureting the blue water gas by the heat stored adjacent the upper part of the fuel bed, leading the water gas and the oil vapors so produced in by-pass relation to one of said heat exchange vessels, fixing the oil vapors by the heat stored in the other of said heat exchange vessels, and leading off the gas; and making a back run through the fuel bed with steam passed through the by-passed heat exchange vessel and heated by the remaining portion of the heat recovered from the blast gases.

2,033,975
METHOD OF MAKING BRAKE DRUMS
Warren H. Farr, Detroit, Mich., assignor to Kelsey Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 14, 1932, Serial No. 617,600
5 Claims. (Cl. 29—148.5)



5. The method of making composite brake drums which consists in casting a braking surface onto the outer periphery of an annularly ribbed mounting plate, and thereafter forming spaced radial ribs across at least one of said annular ribs.

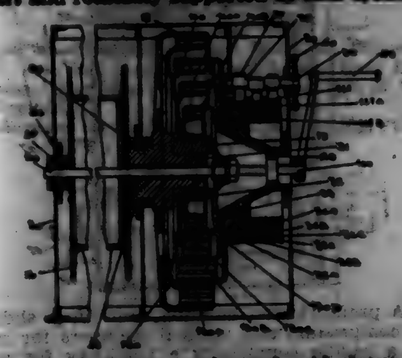
2,034,570
SUBMARINE DRILL
Hugh John Ferguson, Vancouver, British Columbia, Canada
Application January 30, 1934, Serial No. 709,577
In Canada May 11, 1933
3 Claims. (Cl. 255—61)



3. In a submarine drill employing a hollow drill rod, a drill bit having means for directing a stream of water supplied through the drill rod to impinge upon the face of the work cut by the drill bit, a tubular enclosing member for the drill bit adapted to rest on the sea floor, said tubular member having a side opening adjacent its lower end and means for adjusting the position of said opening with respect to said lower end.

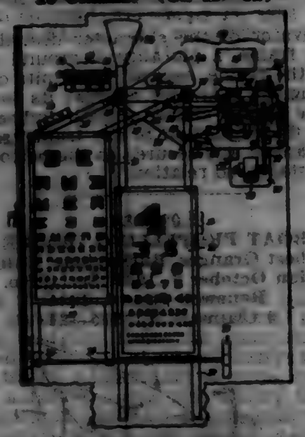
2,033,980
TRANSMISSION GEAR
Erhard A. M. Flodberg, Appelviken, Stockholm, and Alrik Björklund, Gothenburg, Sweden; said Björklund assignor to said Flodberg
Application July 25, 1933, Serial No. 680,816
In Sweden July 6, 1932
12 Claims. (Cl. 74—330)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. A transmission gear comprising a central gear shaft, a rotary driving member and a rotary driven member coaxial thereto, bowl-shaped gear wheels, the larger enclosing the smaller ones, said gear wheels intermeshing in pairs for rotating said driven member, two of said gear wheels being concentric to the central gear shaft, while the other gear wheels are eccentric thereto, a cylindrical member concentric to said central gear shaft, a sleeve secured to said central gear shaft and rotatably supported by said cylindrical



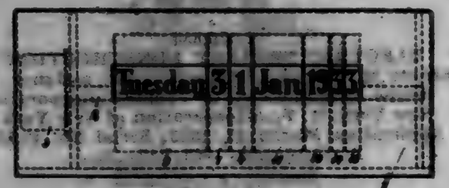
member, the outer surface of said sleeve being eccentric to said central gear shaft and forming a journal bearing for said eccentric gear wheels and all said concentric gear wheels and eccentric gear wheels surrounding said sleeve within their bowls having the radial middle planes of all their toothed rims substantially coinciding with the radial middle planes of the concentric bearing surface as well as of the eccentric bearing surface of said sleeve.

2,033,981
CHART DISPLAY APPARATUS
Frederick Geiger, Drexel Hill, Pa., assignor to Wall & Cohn, Philadelphia, Pa., a corporation of Pennsylvania
Application June 15, 1932, Serial No. 617,615
10 Claims. (Cl. 40—52)



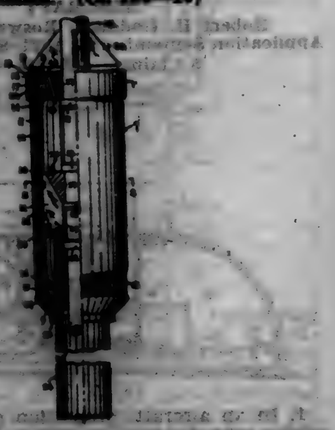
1. In chart display apparatus, a housing, a multiplicity of charts with means for yieldingly maintaining them in a normal position of concealment in the housing; and mechanism for moving the charts from the position of concealment for display at an opening in the front of the housing, including a rotor, selector means whereby the charts may be individually connected to the rotor, means for holding the charts in the display position, and means automatically operative as a new chart is brought into display position, to actuate the holding means for release of the previously displayed chart.

2,033,983
AUTOMATIC CALENDAR
Agne Emile Herbert Gerrundsson, Stockholm, Sweden
Application July 7, 1934, Serial No. 734,111
In Sweden July 15, 1933
7 Claims. (Cl. 40—112)



1. A calendar mechanism comprising a rotatable indicator of dates and a rotatable indicator of names of months, a month shifting mechanism, a source of driving impulses intermittently connected to said indicators, a differential gear having a sun wheel, connected to said indicator of dates, a second sun wheel or register wheel controlling said month shifting mechanism, a planetary wheel determining by its position corresponding positions of said register wheel, and means for moving said planetary wheel at the beginning of every month in a position corresponding to the length of said month, locking the planetary wheel there and releasing it at the end of the month.

2,033,983
WELL PACKER
Charles F. Gillespie, Houston, Tex., assignor of one-fourth to John R. Turnbull and one-fourth to Richard A. Irwin, Harris County, Tex.
Application March 1, 1935, Serial No. 10,225
6 Claims. (Cl. 166—10)



1. A packer for wells including a lower head, a connection to support said head, an upper head spaced from said lower head, an actuating pipe passing through said heads, packing to seal between said heads and an outer pipe, a tapered mandrel carried by said actuating pipe and positioned between said heads, a plurality of wedge blocks supported on said lower head and adapted to be engaged by said mandrel to be expanded by downward movement thereof, a groove in the

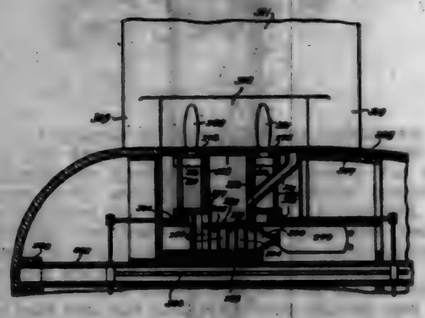
periphery of said wedge blocks, spring members within said groove and attached to some of said blocks, said spring members extending to adjacent blocks and adapted to bridge the gap between said blocks as they are expanded, a plurality of spring strips extending longitudinally of said packer and anchored at their ends to said heads, overlapping bevelled edges on said spring strips adapted to maintain contact as they are expanded by said wedge blocks, and a rubber sleeve surrounding said spring strips and attached at either end to said heads.

2,026,524
ELECTRIC TROLLEY CONSTRUCTION
Ernest M. Glasgow, Totowa, N. J., assignor, by mesne assignments, to Fosdrall Corporation, New York, N. Y., a corporation of New York
Application March 22, 1935, Serial No. 12,536
11 Claims. (Cl. 247—3)



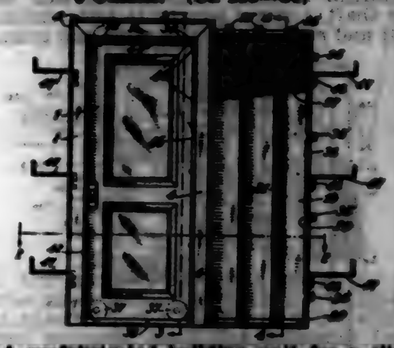
1. In an electric trolley construction, an insulating member, bus bars mounted on said insulating member, complementary conduit members having margins secured to the margin of said insulating member and side walls spaced from said bus bars and terminating in inwardly directed flanges spaced apart to form a slot.

2,026,525
AIRCRAFT
Robert H. Goddard, Roswell, N. Mex.
Application September 23, 1931, Serial No. 564,503
4 Claims. (Cl. 244—35)



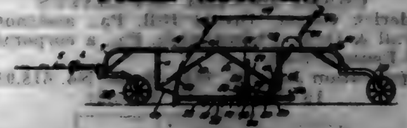
1. In an aircraft, propulsion apparatus comprising propeller blades projecting from the fuselage, and turbine blades associated therewith and driving said propeller blades and being located near the periphery of the fuselage which is circular in cross section whereby the turbine blades travel in a circle nearly as large in diameter as the propeller blades, there being direct drive connection between said separate sets of blades and the turbine being housed in the fuselage for reduction of parasite resistance.

2,026,526
BUILDING UNIT
William L. Goslin, Caldwell, N. J., and Milton Brodsky, Bronx, N. Y.; said Goslin assignor to said Brodsky
Application April 1, 1932, Serial No. 602,416
6 Claims. (Cl. 189—34)



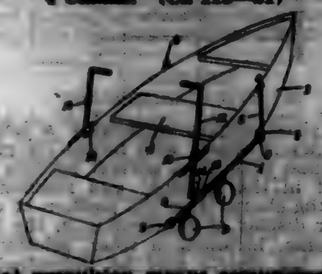
4. A prefabricated building unit for a sliding door comprising, end vertical members for said unit, a saddle comprising a trackway for said door and extending the full width of said unit between said end vertical members, a top plate extending the full width of said unit, and door trim around the door opening; said vertical members, said saddle, said top plate, and said door trim, being permanently secured together to comprise a fabricated unit.

2,026,527
CULTIVATING IMPLEMENT
Leo Clyde Gossett, Fairmount, Ind.
Application February 14, 1935, Serial No. 6,586
1 Claim. (Cl. 97—237)



A cultivator of the character described comprising a frame, a plurality of ground engaging units on the frame, each of said units consisting of an angular plate serrated at its lower edge to provide ground engaging teeth and secured by its other flange portion to the frame, said units being arranged and secured to the bottom of the frame in staggered relation.

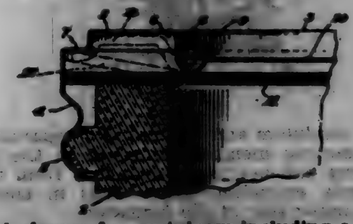
2,026,528
BOAT PROPELLING DEVICE
Albert Grangee, Burlingame, Calif.
Application October 7, 1933, Serial No. 692,590
Renewed June 4, 1935
4 Claims. (Cl. 115—31)



1. Boat propulsion means comprising a shaft extending lengthwise of and mounted on a boat

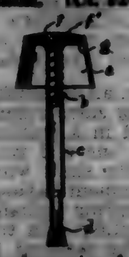
alongside and adjacent the bottom thereof, a sleeve slidable on the shaft, means to reciprocate said sleeve, paddle elements depending and supported from the sleeve, the latter being nonturnable on the shaft, and means applied to the shaft to rotate said shaft and the sleeve as a unit so that the elements are turned outwardly and raised a predetermined distance.

2,026,529
CUSHION-FIT CAP
Daniel M. Gray and John J. Williams, Wheeling, W. Va., assignors to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application December 20, 1932, Serial No. 648,124
3 Claims. (Cl. 215—43)



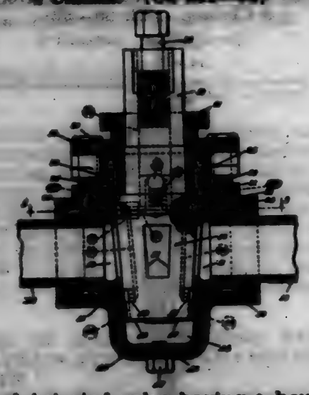
1. A closure for containers including a top and a threaded skirt, a liner within the closure, an annular downwardly projecting bead formed in the top of the closure and of a smaller diameter than the inner diameter of the mouth of the container, and an annular downwardly projecting shoulder in the top of the closure and of a diameter greater than the outer diameter of the mouth of the container, the bottom of the bead being in a lower plane than the shoulder, whereby the bead first engages the liner to force an outer annular portion of the liner upwardly against said shoulder.

2,026,530
SCREW-CAP OR COVER WITH BRUSH
Alexander Gross, Berlin, Germany
Application January 23, 1933, Serial No. 653,113
In Germany November 11, 1932
1 Claim. (Cl. 91—67.5)



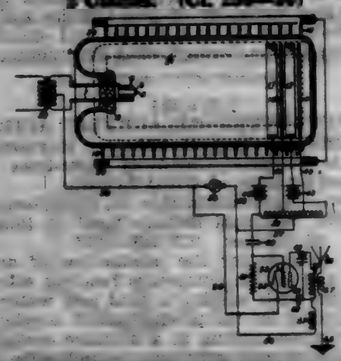
A device of the character described, comprising a flanged cap-like body, a boss integral with and depending centrally from the inner surface of the flanged body and having an external screw-thread, a brush, a handle for carrying the brush including a hollow metal tube having the inner end internally threaded for engagement with the boss, an apertured annular sealing member inserted within the flanged body and about the boss, the inner end of the tube being flared outwardly so that when the tube is screwed tight the flared end will firmly engage the sealing member and a cementitious material acting to bind the handle to the boss to prevent accidental relative movement between the handle and the boss and also prevent admission of the liquid contents of the container to the cementitious material.

2,026,531
SELECTIVE CHANNEL CLEANING AND LUBRICATING SYSTEM FOR LUBRICATED VALVES
Jaye C. Hann, Manhattan Beach, Calif.
Application August 31, 1933, Serial No. 684,237
4 Claims. (Cl. 251—93)



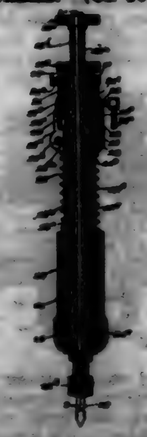
1. In a lubricated valve having a housing and a rotary plug, lubricant channels on the plug, means for supplying lubricant to the channels through the plug, there being a well on the housing in communication with the channels, means providing an openable outlet in the well, means for forcing a fluid through selected channels into the well and through the outlet, and check valves preventing flow from the selected channels into other of the channels.

2,026,532
HIGH FREQUENCY GENERATOR
Ralph M. Heintz, Palo Alto, Calif., assignor to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application November 11, 1931, Serial No. 574,360
2 Claims. (Cl. 250—36)



1. A high frequency generator comprising means for establishing a rotating field of relatively low frequency, means for directing a beam of cathode rays through said field, whereby said beam is deflected in a closed two-dimensional path, a solid anode positioned to receive the deflected beam, a foraminated anode having alternate bars positioned to intercept said beam and spaces through which the beam may pass to said first mentioned anode to deliver charges to said anodes alternately, secondary anodes positioned to receive electrons liberated from said primary anodes by bombardment, an output circuit and means for additively delivering the energy received by said primary and secondary anodes to said output circuit.

2,026,253
STYLUS MOUNTING FOR REPRODUCING AND ENGRAVING MACHINES
Peter M. Heuhen, Racine, Wis., assignor to George Gorton Machine Company, Racine, Wis., a corporation of Wisconsin
Application October 2, 1935, Serial No. 43,575
8 Claims. (Cl. 90—62)



8. A mounting for a tracing stylus, comprising, a suitable support; a longitudinally slidable barrel providing a transverse spring abutment; a tracer stylus arranged longitudinally of and carried by said barrel and providing a transverse spring abutment; a screw threaded connection between said barrel and said spindle and normally locking the same together against relative movements, for feeding longitudinally as a unit, said connection embodying means for relatively adjusting and setting said spindle longitudinally of the barrel; means for feeding said barrel and stylus as a unit longitudinally toward and from a pattern; and an expansion spring arranged longitudinally of said spindle and acting longitudinally on said barrel and spindle in opposite directions through said abutments.

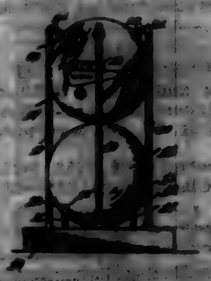
2,026,294
MANUFACTURE OF ACRYLIC ACID
Rowland Hill, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 14, 1934, Serial No. 725,853. In Great Britain April 13, 1933
11 Claims. (Cl. 260—112)

1. In a process for the production of acrylic acid the step which comprises heating ethylene cyanohydrin with sulphuric acid and water.

10. A process for the production of acrylic acid which comprises adding to a mixture containing an antioxidant and ethylene cyanohydrin concentrated sulphuric acid, the mixture being cooled and stirred during the addition, adding water to the resulting mixture, heating until the reaction is initiated, stopping the input of heat until the vigorous evolution of exothermic heat has subsided, and subsequently heating the reaction mixture until the reaction is substantially complete.

2,026,295
INCLINOMETER
Clair W. Hudlow, Washington, D. C.
Application August 21, 1934, Serial No. 740,823
5 Claims. (Cl. 33—206)

1. An inclinometer having a base, a series of comparatively short upright supporting members attached thereto and having ball bearings extending from their upper ends, a ball-shaped pendulum adapted to rest in contact with the bearings, a ball-shaped indicator mounted in frictional contact with the pendulum directly



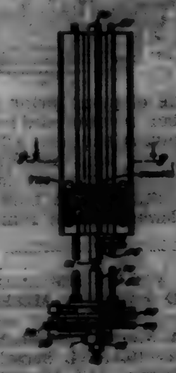
over the pendulum and a series of comparatively long supporting members attached to the base and having ball bearings protruding from their downwardly extending upper ends in contact with the upper side of the indicator.

2,026,296
SEMIAUTOMATIC NONBACKING AUTOMOBILE BRAKE
Otis B. Hunt, Croydon, Pa.
Application July 28, 1933, Serial No. 682,282
4 Claims. (Cl. 192—4)



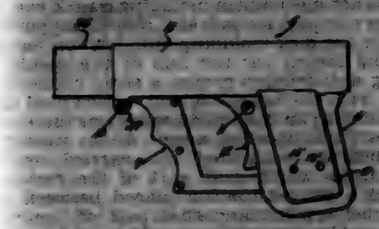
1. In combination, an automobile transmission mechanism, a casing surrounding the transmission shaft and held in a stationary position, a segment pivoted at one end within said casing and coacting with the shaft when in its operative position, said segment having a keeper notch at the free end, a spring actuated catch within the casing and coacting with the keeper notch to normally hold the segment in its operative position, a roller mounted in a groove in the concave surface of the segment, said groove tapering in the direction opposite the normal direction of rotation of the shaft, said roller being located in the larger end of the groove when the shaft is revolving in its normal direction but tending to move toward the smaller end of the groove when the shaft is reversed to prevent retrograde movement of said shaft, and a bell crank lever journalled in the casing and having one arm positioned for coaction with the catch to disengage the latter from the segment and the other arm being positioned in the path of travel of the reverse shifting rod of the transmission mechanism whereby said bell crank lever will be actuated when it is desired to operate the transmission shaft in a reverse direction.

2,026,297
REELING DEVICE FOR TAG FORMING MACHINES
Hans Brunsher, New York, N. Y., assignor to Millis Patent Holding Co. Inc., New York, N. Y., a corporation of New York
Original application August 30, 1931, Serial No. 560,662, now Patent No. 1,961,417, dated March 20, 1934. Divided and this application May 12, 1932, Serial No. 610,516
1 Claim. (Cl. 242—158)



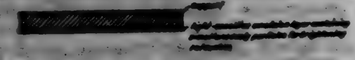
A reel mounting and feed controlling mechanism comprising a rotatable spindle, a driving gear secured to the spindle and formed with mutilated portions, a driving spindle engaging the gear and formed with a mutilated portion whereby the spindle is rotated intermittently, a plate on the spindle, a feed screw journaled in the plate, means to impart rotation to the screw, a split reel positioning unit on the screw, and means to urge the split portions against the screw.

2,026,298
TOY PISTOL
Gunval M. Jensvold and Henry De Wenl, Chicago, Ill.
Application July 15, 1933, Serial No. 680,530
15 Claims. (Cl. 124—12)



1. A toy pistol of the character described comprising a body including a pistol grip and a tubular portion, a second body including a projectile receiving and guiding barrel and a trunnion, said barrel having a portion slidably supported for axial movement within said tubular portion and said frame having a portion slidably supported within said pistol grip, a ball retainer mounted in said barrel and trigger operated spring powered impeller means having a portion moving in said barrel and in said ball retainer to strike and project a ball located in said barrel.

2,026,299
PROCESS OF RETOUCHING PHOTOGRAPHIC FILMS OR PLATES
Karl Kipphan, Dessau, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application November 28, 1931, Serial No. 577,297
In Germany November 26, 1930
6 Claims. (Cl. 95—5)

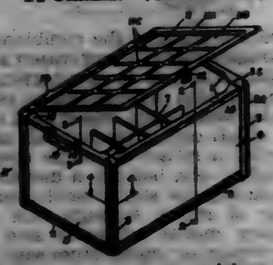


1. A process of applying brightening retouches to a photographic material which comprises finely distributing in a light sensitive layer of said photographic material a compound resisting the photographic baths and diminishing the transparency to light of said layer, and partly clearing said layer by a chemical reagent in conformity with parts of a picture produced in said layer that shall receive a greater transparency.

2,026,300
METHOD OF MANUFACTURING REFINED PULP FROM STRAW OF GRAMINACEOUS PLANTS
Kenjo Kodama, Fukui, Japan
No Drawing. Application June 2, 1934, Serial No. 24,778. In Japan October 19, 1934
4 Claims. (Cl. 92—9)

1. Method of manufacturing refined pulp from straw of graminaceous plants, which consists in digesting straw of graminaceous plants in an acidic solution containing acidic sodium sulphate and hydrogen chloride obtained by adding sulphuric acid to sea-water or brine so that decomposition may take place in part of pectin substance and other impure matters; then digesting the same in caustic soda solution to dissolve the remaining impurities and thus separating and collecting cellulose.

2,026,301
SHIPPING CASE
James M. Lasko and Glen G. Fairchild, Toledo, Ohio
Application October 7, 1932, Serial No. 637,675
14 Claims. (Cl. 217—12)

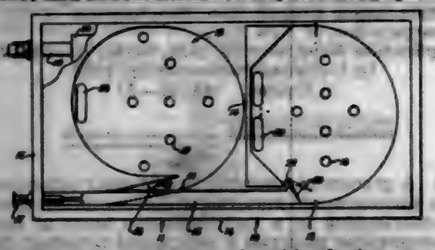


1. A shipping case comprising; a unitary metal frame, a plurality of side and end panels, a bottom panel, and an inner bottom, the top periphery of frame including a panel securing groove, said side and end panels held in permanent position by means of said panel securing groove and said inner bottom.

2,026,302
GAME APPARATUS
Herbert McClellan, Los Angeles, Calif., assignor to Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application January 11, 1935, Serial No. 1,350
7 Claims. (Cl. 273—121)

1. In a game apparatus, the combination of: a member providing a playing surface having

spaced ball playing areas thereon; means for propelling balls onto said playing surface so that they will normally enter into one of said playing areas; and means automatically actuated by balls



entering the said one of said playing areas, after a predetermined number of balls have entered the same, for directing subsequently played balls from said propelling means into the other of said playing areas.

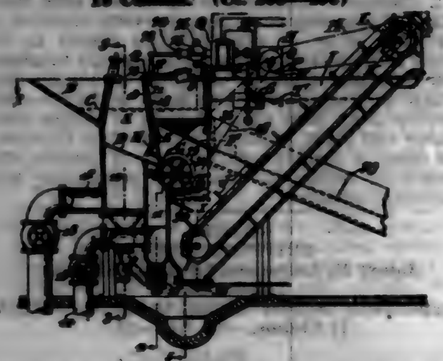
2,026,903

SEPARATING AND WASHING APPARATUS

William C. Mennies, Scranton, and Francis H. Blatch, Hazleton, Pa.; said Blatch assignor to Wilmot Engineering Company, Hazleton, Pa., a corporation of Pennsylvania

Application January 12, 1933, Serial No. 586,138

10 Claims. (Cl. 209—496)



1. In a hydro separator, the combination of a separating compartment, a perforated bottom in said compartment, means for conducting a liquid to said compartment through said perforated bottom, a baffle wall in one end of said compartment above which coil is discharged, said compartment having a refuse discharge opening adjacent one end of said bottom, a movable refuse gate for regulating the size of said opening and the discharge of refuse through said opening, refuse removing means adjoining said opening for positively removing refuse from said opening, and intermittently operated motor means controlled by the amount of refuse on said perforated bottom for actuating the refuse gate and the refuse removing means.

2,026,904

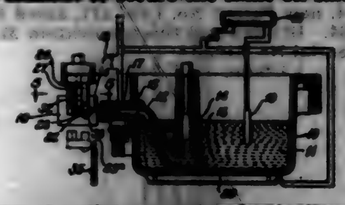
METHOD OF MANUFACTURING FASTENER DEVICES

Louis H. Morin and David Mariasky, New York, N. Y., assignors to Whitehall Patents Corporation, New York, N. Y., a corporation of New York

Application December 20, 1933, Serial No. 703,165

20 Claims. (Cl. 29—148)

1. The herein described method of producing in a successive series of operations of an apparatus, a mounting member with a plurality of molded or cast elements applied thereto which consists in first molding an element between relatively movable die parts, then feeding the formed element from the die parts and applying the same to a mounting member, applying pressure to the element to secure the same on said mem-



ber, trimming the element prior to its application to said member, feeding said member to space the same for receiving the next adjacent element to be applied thereto, and molding the element on a core disposed between said relatively movable die parts and utilizing said core as a feeding means for the element when removed from the die parts.

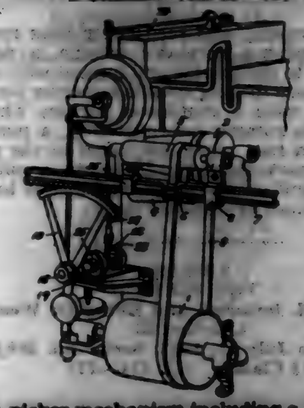
2,026,905

SENSITIZED EVENER MOTION FOR PICKERS

John A. Merrill, Greer, S. C.

Application May 18, 1934, Serial No. 725,993

2 Claims. (Cl. 19—70)



2. A picker mechanism including a rack bar, an operating rod and a quadrant, a disk, supporting means for the disk including anti-friction means, supporting means for the hub of the quadrant including anti-friction means, a strap connecting the disk with the operating rod, a weighted disk connected with an intermediate part of the shaft, a bracket for supporting a part of the rack bar, a ball bearing supported roll carried by the bracket upon which said part of the rack bar rests and a second bracket placed between the first named bracket and that part of the rack bar engaged by the quadrant, said second bracket having its bottom open.

2,026,906

PRINTING CYLINDER OF ROTARY DUPLICATING MACHINES

Samuel Tankard Merrell and Horace George St. Vincent Beechey, Auckland, New Zealand

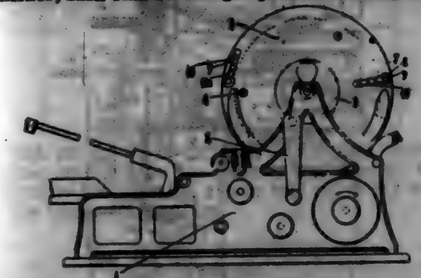
Application September 25, 1934, Serial No. 745,494

In New Zealand March 17, 1934

4 Claims. (Cl. 101—115)

1. In a duplicating machine, a rotary cylinder, a segmental open-work frame displaceably mount-

ed in the rotary cylinder said mounting ribs radial to the axis of the cylinder, a foraminous diaphragm attached to the outer face of the frame in complementary relation to the periphery of the cylinder, said ribs forming separated inking com-



partments on the inner surface of the foraminous diaphragm and with the compartments open on their inner sides, a pad displaceable on the outer face of the diaphragm, and a stencil imposed on the pad.

2,026,907

RADIOGRAPHIC PLATE CHANGER

Montford Morrison, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc., a corporation of Delaware

Application April 4, 1931, Serial No. 527,659

11 Claims. (Cl. 250—54)



1. In an automatic plate changer for X-ray photography the combination of a guideway, a cassette tray movable longitudinally along said guideway, tensioning means connected at one end with said cassette tray, a portion of said tensioning means serving to move the tray in one direction and the remaining portion thereof serving to move the tray in an opposite direction, means connected with the other end of said tensioning means for increasing the tension of either of said portions thereof, and releasable means cooperating with said cassette tray for holding the same stationary at predetermined points in its path of movement.

2,026,908

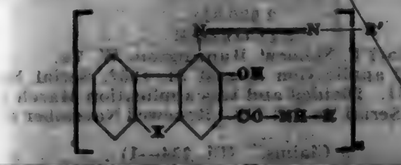
WATER-INSOLUBLE AZODYESTUFFS

Friedrich Muth, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application June 24, 1934, Serial No. 732,535. In Germany October 5, 1933

12 Claims. (Cl. 260—53)

1. Water-insoluble azodyestuffs of the general formula:



wherein X stands for a sulfur or an oxygen atom, R and R' for aromatic radicals and n stands for one of the numbers one and two, yielding, when produced on the fibre, generally brown to blackish brown to black shades of good fastness properties.

2,026,909

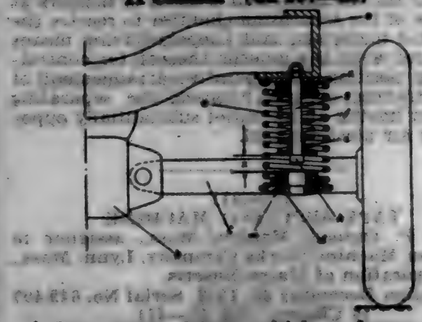
SPRINGING ARRANGEMENT FOR VEHICLES

Fritz Nallinger, Stuttgart, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Untertürkheim, Germany, a company of Germany

Application January 26, 1934, Serial No. 708,483

In Germany February 4, 1933

11 Claims. (Cl. 267—34)



1. In a power driven vehicle, a frame, a half axle suspended so as to extend transversely to the longitudinal direction of the vehicle, a vehicle wheel on one end of said half axle, an unguided helical spring for supporting the half axle resiliently with respect to the frame, spring abutments for said helical spring on the frame and at one end of the half axle, a second helical spring arranged concentrically with respect to the first-mentioned helical spring and having one end free so as to come into action and co-operate with the first-mentioned helical spring only after the latter has been partly compressed and guiding means for the second helical spring arranged within the first-mentioned helical spring and located so as to come into action on the first-mentioned helical spring being partly compressed.

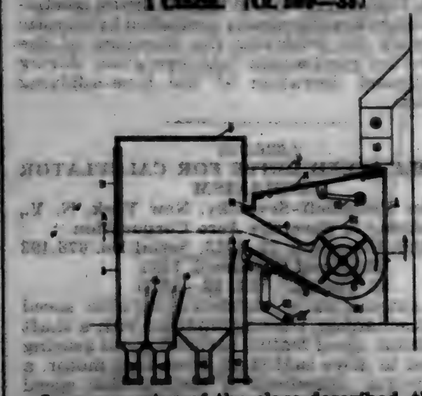
2,026,910

SEPARATOR FOR SEEDS OR THE LIKE

Wilfred Olsen, Blackfoot, Idaho

Application September 14, 1934, Serial No. 744,055

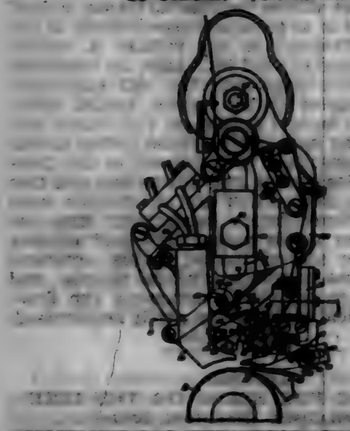
1 Claim. (Cl. 209—35)



In a separator of the class described, the combination of a housing forming a separating chamber, means for feeding a stream of materials to be separated into said chamber at a

point substantially below the top of the same, an angular shaped throat member at the entrance of the feeding means into the chamber, means for producing an air blast through the housing in a path intersecting the stream of materials to toss said materials and effect separation thereof according to the specific gravity of the particles, said means including a fan and a housing extending about the same and having lateral openings and an opening at the rear thereof, and an inclined air channel communicating with the separating chamber directly beneath the angular shaped member aforesaid, said air channel having its base wall adjustable to control the angularity of the air blast, and a series of hoppers at the base of the separating chamber to receive the separated materials, said hoppers having means associated with the mouths thereof for controlling the position and operative arrangement of the entrances to said hoppers, the separating chamber having an air outlet substantially opposite the air blast channel.

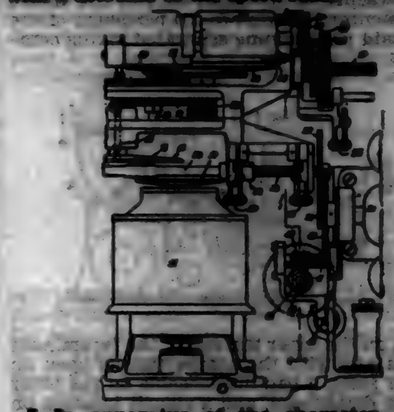
2,026,911
TAPE-APPLYING MACHINE
Walter P. Osgood, Malden, Mass., assignor to Boston Machine Works Company, Lynn, Mass., a corporation of Massachusetts
Application December 19, 1932, Serial No. 647,497
18 Claims. (Cl. 12—51)



1. A tape-applying machine having, in combination, tape-applying and tape-severing mechanisms, and automatic means controlled by the size of the work for initiating the throwing of the tape-severing mechanism into operation during the continued operation of the tape-applying mechanism.

2,026,912
VARIABLE SPEED DRIVE FOR CALCULATOR MECHANISM
Alexander Procofieff-Seversky, New York, N. Y., assignor to Seversky Aero Corporation
Application November 23, 1932, Serial No. 643,493
Renewed October 6, 1934
23 Claims. (Cl. 12—46.5)

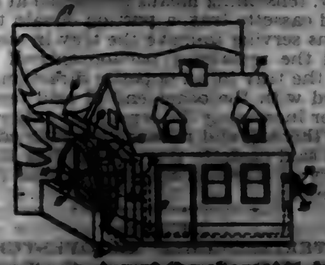
1. In automatically controlled variable speed driving mechanism, the combination with a shaft of a constant speed motor, variable speed gearing connected to drive said shaft from said motor, a control motor connected to the variable speed gearing to increase and decrease the speed ratio thereof and means actuated by said control motor to actuate said shaft independently of the variable speed driving mechanism in one direction simultaneously with an increase of the speed ratio and in the other direction simultaneously with a decrease of the speed ratio.



7. In apparatus of the character described, in combination, a shaft, a motor, variable speed gearing connecting said motor and shaft, a control motor, connections actuated thereby to increase or decrease the driving ratio of the variable speed gearing, and other connections driven by said control motor for independently actuating said shaft temporarily without disconnecting the first-mentioned connections.

19. In apparatus of the character described driven mechanism electrical control mechanism including relatively movable pivoted arms, cooperating contacts normally disengaged, carried by the respective arms, a swinging arm arranged to engage alternatively two of the aforesaid pivoted arms to close the contacts for controlling the driven mechanism substantially as described.

2,026,913
TOY OR DISPLAY DEVICE
Kalman Klein, Irvington, N. J.
Application March 2, 1935, Serial No. 8,978
7 Claims. (Cl. 46—39)



1. In an apparatus of the character described, the combination of a device representing a water display having a water outlet and a water mill and wheel, mechanism for turning the water mill wheel, and imitative flowing water means fastened to said device at said outlet contacting said wheel and extending into a receptacle.

2,026,914
RECORDER
Karl F. Schoew, Huntington, W. Va.
Original application August 31, 1932, Serial No. 631,261. Divided and this application March 8, 1934, Serial No. 714,710. Renewed November 13, 1935
2 Claims. (Cl. 234—1)

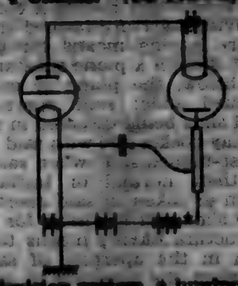
1. A recorder comprising a stylus and a fixed holder with respect to which the stylus is mov-

able, resilient means for acting between the holder and stylus as to tend to move the stylus in one direction with respect to a chart, a cord connected with the holder and so trained with respect



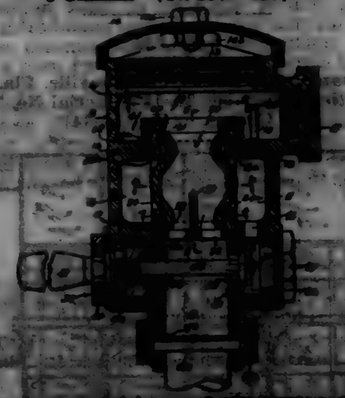
to the stylus as to tend to resist said resilient means, and means for pulling the cord so as to overcome the resilient means and move the stylus in the opposite direction.

2,026,915
TELEVISION SYSTEM
Georg Schubert, Berlin, Germany, assignor to the firm of Fernseh Aktien-Gesellschaft, Zehlendorf, near Berlin, Germany
Application July 26, 1933, Serial No. 681,451
In Germany July 26, 1932
4 Claims. (Cl. 178—6)



1. In a television system, a luminous tube having a positive column, a low frequency amplifier having an output tube, a source of direct current in the anode circuit of said output tube, a resistance in series with said luminous tube in said anode circuit, and a condenser shunted across said source of direct current and a part of the said resistance.

2,026,916
VALVE
David Baker Smith, Los Angeles, Calif.
Application February 5, 1932, Serial No. 591,067
9 Claims. (Cl. 137—139)



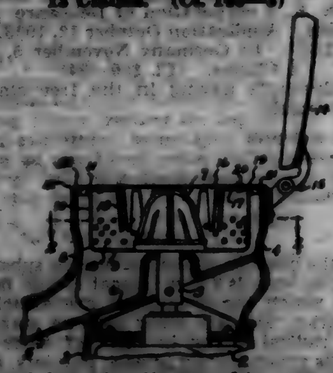
2. A valve comprising: a body having an inlet and an outlet; a flexible tube forming a passageway between the inlet and outlet; a substantially portion of said passageway intermediate its ends being unobstructed so that the tube walls along said unobstructed area may collapse against each other to close the passageway, pressure applying means to distend the tube walls for opening the passageway, pressure applying means to collapse the tube walls against each other along the unobstructed passageway area to close said passageway, means for relieving said last mentioned pressure for a predetermined period, and a member mounted independently of the tube and extending into the outlet and thereof to resist collapsing of the tube walls from the direction of the said outlet end.

2,026,917
PROPELLING DEVICE
Earl Homer Smith, Flushing, N. Y.
Application April 17, 1934, Serial No. 720,919
14 Claims. (Cl. 170—162)



1. A propelling device including a rotary driven shaft, a hub secured thereto, circumferentially spaced blades mounted on the hub and protruding in generally radial directions therefrom, and coacting means for imparting gyratory motion to the blades during the rotation of the shaft and hub so as to cause any point on each blade to travel in a succession of contiguous arcs and in a generally spiral path due to the combined gyratory motion of the blades and the forward movement of the device.

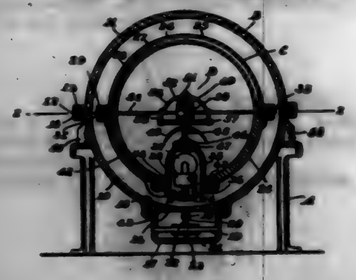
2,026,918
GUARDED JUICE EXTRACTING MACHINE
Elmer G. Strechfuss, Cincinnati, Ohio, assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio, a corporation of Ohio
Application January 20, 1933, Serial No. 652,716
12 Claims. (Cl. 146—3)



1. In a juice extracting machine comprising a bowl, a rotatable reamer in said bowl, and a

guard surrounding said reamer relatively to which the reamer is rotatable, admitting the fruit to the reamer to be held thereto by the hand of the operator and adapted to prevent the fruit from becoming substantially displaced from said reamer toward the side of the bowl if the fruit escapes from the hand, said guard comprising an upper rim and prongs depending from said rim.

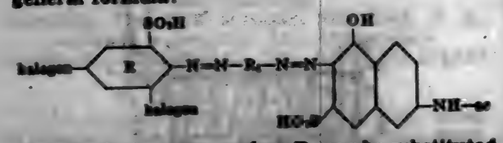
2,026,919
COMPASS
James Leslie Stright, Summerside, Prince Edward Island, Canada
Application March 27, 1934, Serial No. 717,645
In Canada March 29, 1933
3 Claims. (Cl. 33—233)



1. In a marine compass, the combination of an outer casing formed with a transparent top and filled with a liquid, an inner casing formed with spaced transparent top members providing an air space therebetween and rendering the inner casing more buoyant, the said inner casing being gimbal hung in spaced relation to the outer casing and formed with orifices adapted to establish communication between the casings, a compass card in the inner casing, a jewel cup supported by the inner casing providing a pivot mounting for the card, magnetic means associated with the card, adjustable compensating magnets associated with the outer casing and reservoir means for maintaining a supply of liquid in the casings.

2,026,920
AZODYESTUFFS
Carl Taube, Leverkusen-I. G.-Werk, and Josef Hilger, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application October 12, 1932, Serial No. 638,394. In Germany November 5, 1932
4 Claims. (Cl. 260—84)

1. Azodyestuffs having in the free state the general formula:



wherein the benzene nucleus R may be substituted by alkyl, R_1 stands for a radical of the benzene series to which the azobridges are attached in para-position to each other and ac stands for an acyl radical, being in form of their alkali metal salts generally red to dark powders, soluble in water, dyeing the cellulosic fibre generally red to violet shades of good fastness to light.

2,026,921
COIN CHUTE
Walter A. Traiesh and Bernhard Grenig, Chicago, Ill.
Application March 14, 1935, Serial No. 11,163
2 Claims. (Cl. 194—99)



1. A coin chute comprising a coin slide having a coin-receiving or token-receiving aperture formed therein; a guide structure for said coin slide having means to support a coin or token in said aperture when the coin slide is moved from a coin receiving position to a coin discharging position; said guide structure having a coin or token display pocket formed therein for the reception of a coin or token discharged from the said coin aperture of said coin slide; said coin slide having a sight opening formed therein and disposed in registration with said display pocket when said coin slide is disposed in its normal or coin receiving position; a second slide carried by said guide structure and having a coin-receiving or token receiving aperture formed therein; said guide structure having means for guiding the second-named slide in a plane substantially parallel to, but below, the plane of movement of said first-named slide; said aperture in the second-named slide being disposed in registration with said display pocket and with said sight opening in said first-named slide when said slides are disposed in their normal or initial positions whereby a coin or token in said aperture of said second-named slide will be visible for inspection; said guide structure having means to support a coin or token in the aperture of said second-named slide when the aperture in said second-named slide is in registration with said display pocket and said sight opening; means coacting with said first-named slide, when the latter is moved away from its initial position, to move said second-named slide whereby a coin in the aperture of said second named slide will be discharged therefrom and a coin carried in the aperture of said first named slide will be discharged therefrom into said display pocket and will rest upon an end portion of said second-named slide; and means for returning said slides to normal position whereby the coin resting upon the end portion of said second-named slide will drop into the aperture of said second-named slide.

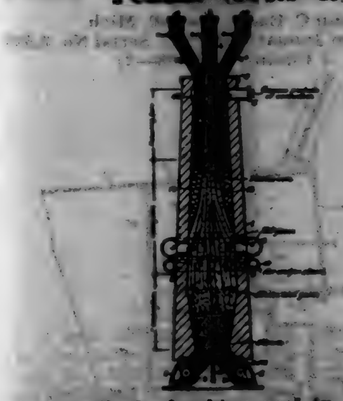
2,026,922
DRIER
Daniel B. Vincent, Jacksonville, Fla.
Application November 21, 1934, Serial No. 754,161
4 Claims. (Cl. 34—44)



1. A drier comprising a casing having a plurality of chambers therein, rotatable reels within

said chambers, an air supply duct for said chambers and through which hot air passes to the chambers, means for controlling the flow of hot air to said chambers, an exhaust duct for said chambers, said exhaust duct being in communication with the chambers through auxiliary chambers, means for controlling the flow of air from the auxiliary chambers to the exhaust chamber, whereby the circulation of air within the chambers may be independently controlled, means whereby material will be transferred from one chamber to the other during the rotation of the agitating means, conveyor means extending across the chambers adjacent the lower sides thereof and through which material from any of the chambers may be discharged and means for controlling the flow of material through said conveyor and from any of the chambers.

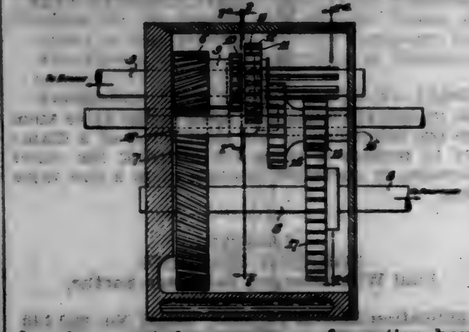
2,026,923
METHOD OF OPERATING RETORTS TO PRODUCE COKE, GAS, AND OIL
Arthur Woodward Warner, Media, Pa., assignor to Isbell Porter Company, Newark, N. J., a corporation of New York
Original application October 27, 1931, Serial No. 571,212. Divided and this application February 2, 1933, Serial No. 654,891
3 Claims. (Cl. 202—15)



1. A method of coking coal in a continuous internally heated retort comprising feeding coal into the retort to form a column thereof, igniting the column at one end to form a combustion zone, forcing oxygen bearing gases into the combustion zone to maintain it and coke the coal, introducing coke into the central portion of the column above the combustion zone to form a core for the column, removing the gases generated in the column from the top thereof, said gases passing through coal column, and removing the residue from the bottom of the column, whereby an upstanding plastic film of conical shape of melted coal is formed and maintained vented at the apex of the coke core.

2,026,924
TRANSMISSION GEARING
Frank A. Wolmgarten, Philadelphia, Pa.
Application September 1, 1934, Serial No. 742,450
3 Claims. (Cl. 74—343)

1. In a transmission gearing for marine service, the combination of a driving shaft and a driven shaft, and means for selectively transmitting power, from the driving to the driven shaft, for direct drive at a given speed ratio, for reverse drive, and for a second direct drive at a relatively increased speed, comprising a pinion loosely mounted on the driving shaft and provided with a clutch formation, a gear wheel splined on the driving shaft and provided with a cooperating clutch formation, a forward drive normal speed gear wheel keyed on the driven shaft and in constant mesh with the loosely mounted gear wheel, a second forward drive gear wheel of different ratio, keyed on the driven shaft, and a



loosely mounted reverse gear formation having a pinion in constant mesh with the second forward-drive gear-wheel, and a pinion adapted to cooperate with the splined gear wheel, the splined gear wheel having a range of movements to and from positions cooperating with the first mentioned loosely mounted pinion, the pinion of the reversed gear formation, and the second forward drive gear wheel.

2,026,925
POWDER DISPENSER
Leslie D. Whitney, San Francisco, Calif.
Application May 7, 1935, Serial No. 20,169
4 Claims. (Cl. 221—61)



1. A powder-dispenser comprising in combination a glass-bottle having a neck with an open throat; a metal split sleeve seated in said throat in frictional contact throughout its length with the throat wall, said sleeve having a penetration-limiting flange resting on top of the neck, one end of said sleeve being open and the other end having an apertured, cross wall of less discharge capacity than the open end; and a cap fitted upon and covering the neck of the bottle.

2,026,926
TIRE VALVE TOOL
Selden T. Williams, Bellerose, N. Y., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y., a corporation of New York
Application September 21, 1933, Serial No. 690,122
1 Claim. (Cl. 7—1)

A tire valve tool comprising a body portion having reduced, oppositely-directed extensions,

each formed to serve for cooperation with a tire valve, and a split tubular shell formed of resilient metal encircling said body portion, the end of said shell which encircles one extension being slitted to provide resilient fingers for holding the



tool in operative position upon a tire valve stem and the other end of the shell being of a diameter to provide a guide for bringing the other extension in operative position upon a tire valve stem.

2,026,927
CORKING MACHINE
Paul Winstemberger, Sable-sur-Sarthe, Sarthe, France
Application March 14, 1933, Serial No. 660,740
In France March 14, 1932
3 Claims. (Cl. 226—66)



1. A corking machine for bottles comprising a frame, a bottle-bearer slidably mounted vertically on the frame, a flexible element movable over said frame and attached at one end to the bottle-bearer, a locking means attached to the other end of the flexible element and adapted to lock the bottle-bearer, a handle operatively connected with the flexible element so that when the handle is operated the locking means secures the bottle-bearer in a fixed position determined by the height of the bottle.

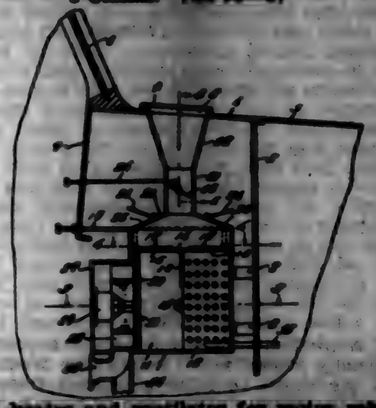
2,026,928
CONTINUOUSLY VARIABLE CHANGE-SPEED GEAR
Alfred Rach, Reichenberg, Czechoslovakia, and Josef Krautschneider, Hudson Bay Junction, Saskatchewan, Canada
Application January 3, 1934, Serial No. 705,144
In Czechoslovakia March 17, 1933
4 Claims. (Cl. 74—217)

1. A change-speed gear of continuously variable transmission ratio, comprising a transmission chain shiftable pulley means supporting said chain, two pairs of frusto-conical toothed wheels engaging with the chain, each pair consisting of two wheels engaging with the chain at the same point but on opposite sides of it, the axes of the said two wheels converging and the wheels themselves both tapering in the direction of convergence, but the direction of taper and convergence of one pair being opposite to that of the other pair, and the axial length of the wheels being considerably greater than the breadth of the chain, the generating lines of the two wheels of a pair passing through the same point of en-



gagement with the chain being parallel to one another, the teeth of each of the wheels being opposite to the spaces between the teeth of the other wheel of the pair at the same point of engagement, means for displacing the transmission chain relatively to the wheels in the direction of the parallel generating lines of the wheels.

2,026,929
HEATER AND VENTILATOR FOR MOTOR VEHICLES
John C. Bodie, Howell, Mich.
Application January 15, 1932, Serial No. 586,980
3 Claims. (Cl. 98—3)



1. A heater and ventilator for motor vehicles comprising a casing, said casing including a cold air compartment and an air heating compartment, means in the second-named compartment for heating the air, said compartments having air inlet openings therein, valves for controlling said openings, a hood mounted on the casing and communicating with the atmosphere, said hood enclosing the valves, and a pump for drawing the air through the casing and discharging said air into the automobile, said compartments communicating with each other.

2,026,930
FASTENING DEVICE
Mabel Alma Bingham, Los Angeles, Calif.
Application August 27, 1934, Serial No. 741,812
14 Claims. (Cl. 24—73)

1. A fastening device comprising in combination, a safety pin having a base portion formed of wire, a supporting device connected thereto and comprising a single section of wire attached to one end portion of the safety pin and having a spring loop forming a pivot, a straight bar

section extending from the loop and a hook formed by an end portion bent in part at an acute angle to the straight bar, the base wire of the safety pin, the straight bar and the hook at



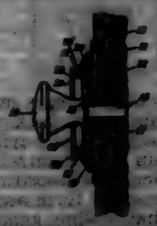
the end of the bar being in substantially the same plane and the end of the hook being spaceable from the base wire of the pin for inserting a strap of a garment to be supported by the straight bar.

2,026,931
RELEASABLE JARRING TOOL
Erwin Burns, Los Angeles, and Harry P. Wickersham, Huntington Park, Calif.
Application August 7, 1933, Serial No. 684,939
13 Claims. (Cl. 255—27)



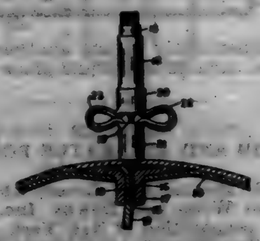
1. A well tool including, two sections adapted to be connected in an operating string, releasable means for transmitting strains between the sections including a sleeve around and movable on one section, and threads on said section and sleeve for feeding the sleeve into and out of strain transmitting cooperation with the other section, and means operable to effect a jarring action between the sections after the release of the first mentioned means.

2,026,932
COMBINATION LOCK
Benjamin F. Clear, Los Angeles, Calif.
Application February 6, 1935, Serial No. 5,540
2 Claims. (Cl. 70—56)



1. A combination lock having a stem with a knob, a disc secured thereto to rotate with the knob and the stem, the disc having a plurality of sockets with a pair of diametrically opposite pins therein, a ring-like dial having graduations and a pair of diametrically opposite notches to engage the two pins and thereby removably attach the dial to the pins.

2,026,933
SELF-LUBRICATING INFLATING NEEDLE
Wallace W. De Laney, New Haven, Conn., assignor to The Seamless Rubber Company, Inc., New Haven, Conn., a corporation of Massachusetts
Application April 12, 1935, Serial No. 16,043
14 Claims. (Cl. 152—11)



1. An inflating needle having a lubricant-carrying means supported to adjacent the outlet end thereof to deliver a lubricant to the surface of the needle.

2,026,934
ORNAMENT
Ralph de Rosa, New York, N. Y.
Application August 15, 1935, Serial No. 36,323
1 Claim. (Cl. 63—30)

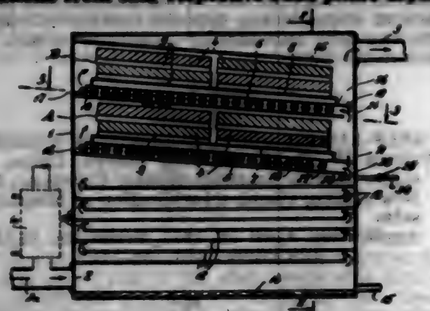


In an ornament of the character described, a body portion, body hinge plates secured thereto, wing members, wing hinge plates secured to the wing members one end of said wing hinge plates being attached for swinging movement to the body hinge plates the other end of said wing hinge plates being downturned, piercing pins carried by said downturned ends, springs in the hinges for yieldably holding the piercing pins closed and said wings being movable against the action of said springs to open said pins.

2,026,935
METHOD AND APPARATUS FOR CONDITIONING AIR
Charles R. Downs, Old Greenwich, Conn., assignor to Weiss and Downs, Inc., New York, N. Y., a corporation of New York
Application August 17, 1932, Serial No. 629,121
13 Claims. (Cl. 183—4)

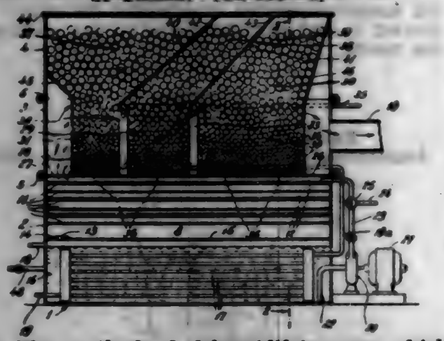
1. The method of dehumidifying air by the deliquescence of a solid deliquescent material which comprises passing the air through a series of drying zones including a liquid phase drying zone and a plurality of solid phase drying zones, removing heat from the air during its passage

through said series of drying zones, draining the solutions from said respective solid phase drying



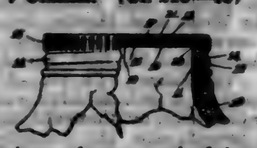
zones independently of one another, and transferring the same to said liquid phase drying zone.

2,026,936
METHOD AND APPARATUS FOR CONDITIONING AIR
Charles R. Downs, Old Greenwich, Conn., assignor to Wolff and Downs, Inc., New York, N. Y., a corporation of New York
Application May 23, 1933, Serial No. 672,415
29 Claims. (Cl. 183—4)



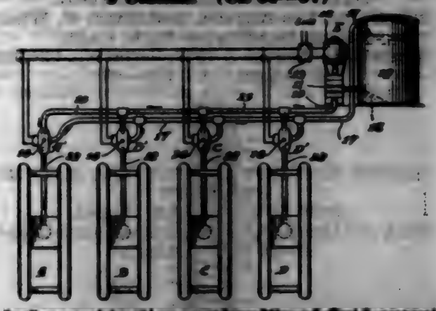
4. The method of dehumidifying gas which comprises recirculating calcium chloride solution through a series of pools, cooling said recirculating solution, passing the gas in contact with and counter-current to the flow of said recirculating solution, then passing the gas horizontally through a series of beds of solid calcium chloride lumps, cooling the gas between said beds, collecting the solutions draining from said beds and transferring them to the body of said recirculating solution.

2,026,937
CONTAINER CLOSURE
Jay Bernard Eisen, Yonkers, N. Y., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y., a corporation of New York
Application October 18, 1935, Serial No. 45,570
7 Claims. (Cl. 215—43)



1. A container closure embodying therein a shell having a skirt adapted to co-operate with securing means formed about the neck of a container, and a liner within and separable from said shell, consisting of an inner seal disk including a fibrous stratum presented toward the bottom of the skirt, a stratum of thin metal foil presented toward the top of the shell, and a bonding stratum permanently uniting said fibrous and said metal foil strata, whereby said inner seal disk may be firmly cemented to the top of the neck of a container and the escape of volatile matter from the container through said fibrous stratum is prevented.

2,026,938
LIFT
Charles W. Eisner, Chicago, Ill., assignor to Rotary Lift Company, Memphis, Tenn., a corporation of Tennessee
Application May 25, 1933, Serial No. 672,827
9 Claims. (Cl. 60—97)



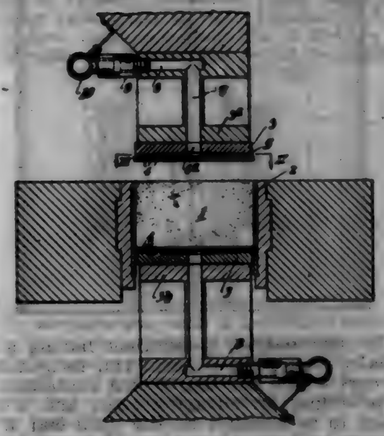
1. In combination, a plurality of fluid operated lifts, a source of fluid pressure common to all of the lifts, and an independent control for each lift, each control including valves and a switch, the switches being adapted and arranged to start the operation of the common source of fluid pressure and the valves to establish and interrupt the flow of pressure fluid between the source of pressure and the associated lift and in cooperation with all of the switches of all other controls to stop the operation of the common source of fluid pressure.

2,026,939
DIFFED-BRIDGED LAMP SHADE OR SIMILAR ARTICLE AND METHOD OF MAKING THE SAME
Max Greenzaft, New York, N. Y.
Application July 19, 1933, Serial No. 681,168
11 Claims. (Cl. 15—88)



2. The method of making a lamp shade or the like, having a thin open work wire frame open at the top and bottom and having side openings at least one inch in maximum width bridged uniformly by a hardened composition material, said frame being of conoidal form and having upright wire elements that define generally downward tapering side openings extending substantially from top to bottom of the frame, dipping said frame wholly into a composition liquid bath, withdrawing said frame from said bath in an upward substantially vertical path with the frame in inverted substantially vertical position, to bridge said side openings and with the composition being of such high viscosity and drying quality as to cause the bridging film to begin to dry substantially as withdrawn from the bath, maintaining said bath relatively quiescent during the withdrawal, causing said frame as withdrawn to enter an atmosphere relatively free of concentrated vapors solvent to the film, including the atmosphere substantially immediately above the bath, and permitting a free flow of drippings to said bath as the frame is withdrawn.

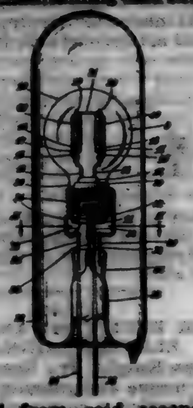
2,026,940
SHAPING REFRACTORY ARTICLES
Dwight B. Hendryx, Pittsburgh, Pa., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1934, Serial No. 757,312
10 Claims. (Cl. 25—45)



2. An apparatus for pressing semi-dry ceramic material under high pressure comprising a mold, means for applying pressure to batch of such material in the mold, a face of said mold being provided with a plurality of bores of relatively small sectional area and of a length less than the greatest dimension of the opening of the bore, means for creating vacuum, and a connection between said vacuum means and said bores for evacuating the mold.

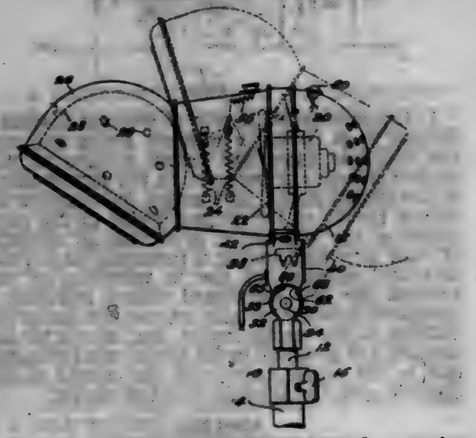
2,026,941
VAPOR ELECTRIC DEVICE
Donald E. Henry, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a corporation of Pennsylvania
Application August 24, 1933, Serial No. 687,424
4 Claims. (Cl. 176—122)

1. An electric discharge device comprising an envelope, a plurality of electrodes therein, said envelope having a press, a plurality of conductors sealed in said press and electrically connected to said electrodes, an envelope surrounding said first mentioned envelope and spaced therefrom, said second mentioned envelope having a cruciform shaped press, a plurality of conductors sealed in said press and electrically connected to said first mentioned conductors for supplying current to said electrodes and means sealing a portion of said first mentioned envelope and having a portion thereof sealed in said cruciform shaped press for maintaining said first mentioned



envelope spaced from said second mentioned envelope.

2,026,942
HAIR DRIER
John E. Kelley, Larchmont, N. Y.
Application October 31, 1932, Serial No. 695,986
4 Claims. (Cl. 34—96)

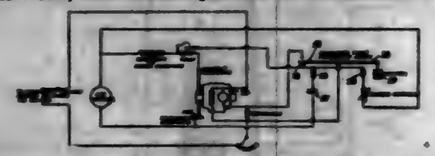


1. A hair-drier comprising a stand, a casing and a hood and a motor-driven fan mounted thereon, a pivotal connection between said casing and stand, and an electrical connection to said motor-driven fan including a switch having a part movable with said casing around said pivotal connection arranged to operate to close the circuit through said switch when the casing is turned to bring the hood over a head, and to operate to open the circuit through said switch when said casing and hood are turned upwardly, around said pivotal connection.

2,026,943
ARC WELDING
Harry E. Kennedy, Maynard A. Rotermund, and Lloyd T. Jones, Berkeley, Calif., assignors to Union Carbide and Carbon Research Laboratories, Inc., a corporation of New York
Application October 22, 1930, Serial No. 490,426
14 Claims. (Cl. 219—8)

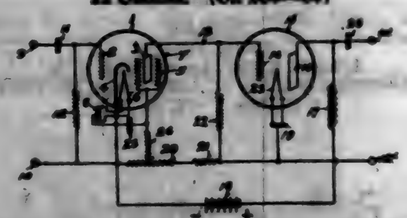
1. In electric welding apparatus, the combination of an electrode disposed adjacent to the work and arranged to have an arc established

therebetween for globules of electrode material at the arcing end of said electrode to be deposited on the work, means for feeding said electrode to the work, and means operable in accordance with



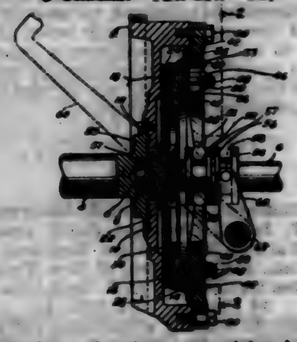
changes from a predetermined normal rate at which the electrode globules are deposited on the work for varying the rate of feeding of said electrode to the work.

2,026,944
MEANS FOR RECEIVING AND AMPLIFYING ELECTRIC SIGNALS
John Breadus Knight, Jr., New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware
Application October 1, 1929, Serial No. 396,469
22 Claims. (Cl. 250—20)



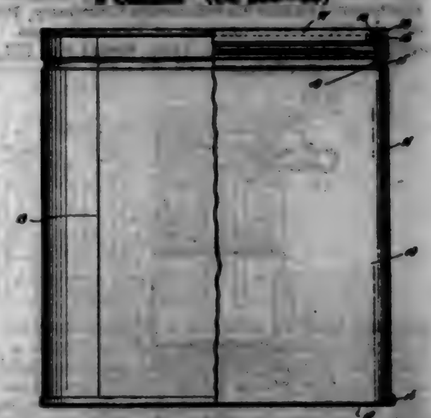
1. In combination a pair of electron discharge devices, each having a cathode, anode and control electrode, input and output circuits for said devices, a source of potential in the output circuit of the second device, and means for coupling the output circuit of the second device to the input circuit of the first device, to provide an amplifier of high gain and having a frequency-gain characteristic suitable for use in television or like systems the last mentioned means including a resistance included serially between the anode and cathode of the second device, and means for impressing the potential drops across said resistance, due to the anode current of the second device, directly upon the anode of the first device.

2,026,945
CLUTCH MECHANISM
George S. Lane, Passaic, N. J., assignor to Raybestos-Manhattan, Inc., a corporation of New Jersey
Application October 23, 1931, Serial No. 570,233
6 Claims. (Cl. 192—63)



1. A clutch mechanism comprising in combination a driving member and a driven member relatively movable axially toward and from each other, a flexible resilient spring plate tending to move said members relatively in one direction axially, said plate being located and shaped to form a housing element for the clutch, a device movable along the side of the driving and driven members in a direction toward said members to relieve the engagement between said members to throw out the clutch, and mechanism for actuating the said device.

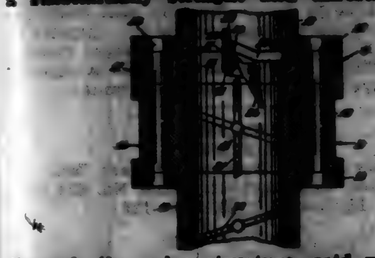
2,026,946
CONTAINER
Victor K. Le Cuenia, Forest Hills, N. Y., assignor to Le Cuenia & Co., Inc., Brooklyn, N. Y., a corporation of New York
Application April 17, 1933, Serial No. 666,481
8 Claims. (Cl. 215—39)



1. In combination, a container having a substantially continuous resilient rim formed by an open curl within the top of said container, said curl providing an engaging edge, and a cover adapted to be clamped on the open end of said container, said cover being provided with an outer circumferential bead having an engaging ledge, said rim and said bead being located with respect to each other so that in moving to the clamped position said bead moves past said rim and resiliently strains said rim in passing, and when in the clamped position said rim reverts to its normal unstrained condition, the outer diameter of said ledge being sufficiently greater than the normal diameter of said engaging edge, and said ledge making such an angle with respect to said edge, as to prevent said bead from moving out of said clamped position without permanently deforming said bead or said rim.

2,026,947
METHOD AND APPARATUS FOR GOVERNING FLOW LINES
William E. Leibing, Sausalito, Calif., assignor to Leibing Automotive Devices, Incorporated, San Francisco, Calif., a corporation of Nevada
Application May 11, 1933, Serial No. 670,533
22 Claims. (Cl. 137—153)

1. In a throttling device for controlling the fluid flow through a conduit of continuous substantially equal cross-sectional area, a valve structure pivoted for oscillation within said conduit about a single axis, said structure comprising a set of spaced interconnected fluid controlling wings designed to provide, upon slight oscillation from closed position, a relatively large effective flow area across the conduit to permit a substantially straight and unrestricted flow



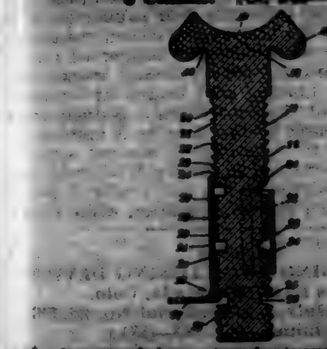
through the valve structure, said wings being shaped at their outer edges to engage the walls of said conduit in closed position.

2,026,948
METHOD AND APPARATUS FOR GOVERNING FLOW LINES
William E. Leibing, Sausalito, Calif., assignor to Leibing Automotive Devices, Incorporated, San Francisco, Calif., a corporation of Nevada
Application March 6, 1933, Serial No. 659,893
10 Claims. (Cl. 137—153)



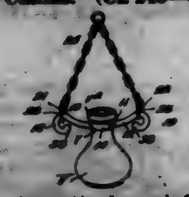
1. In combination with a governor valve and a throttle valve for controlling fuel flow through a conduit, means on said throttle valve for directing a sufficient portion of said fuel flow to said governor valve to effect operation thereof at relatively restricted throttle openings.

2,026,949
NEON TUBE SUPPORT
Arthur B. McMahan, Long Beach, Calif.
Application February 14, 1934, Serial No. 711,139
5 Claims. (Cl. 248—20)



1. A neon tube support comprising, in combination, a refractory stem having a head with means to contact a neon tube, threads of constant pitch on the outside of the stem and integral therewith extending from the end opposite the head, each thread having a gradual sloping wedging surface facing away from the head and also having an abrupt shoulder considered substantially transverse to the stem, an expandible socket having a plurality of knubs spaced apart lengthwise of the socket, the said knubs engaging the threads and on forcing the stem into the socket by rectilinear motion, the wedge surfaces forcing the knubs outwardly for insertion of the stem, the said knubs being adapted to engage the shoulder of the threads and prevent removal of the stem by rectilinear motion, the said knubs being operative to thread the stem into or out of the socket on rotation of the stem, the stem having a plurality of annular grooves spaced apart longitudinally of the stem by a plurality of threads, the grooves being adapted to facilitate severing a section of the stem and the knubs being spaced apart longitudinally whereby one knub always engages the threads.

2,026,950
SUSPENSION ATTACHMENT FOR BOTTLE-NECKED VESSELS
Edward J. Miller, Springfield, Long Island, N. Y.
Application May 25, 1935, Serial No. 23,450
4 Claims. (Cl. 248—318)



1. A suspension attachment for bottle-necked vessels, comprising a pair of yokes, each of which is a counterpart of the other, each of said yokes having a bowed middle portion for surrounding substantially half of the neck of the vessel to be suspended, and arms extending outwardly from said middle portion in opposite directions, the arms on the counterpart pair of yokes, in the assembled position of the latter, lying side-by-side; a pair of keepers each of which has an eye and is arranged to pass on and off of a pair of arms lying side by side in the assembled position, of the yokes, said keepers when in place holding said yokes in assembled position, and when removed permitting the separation of said yokes, and means attached to said keepers for suspending a bottle-necked vessel clasped by said yokes in a freely pendent position.

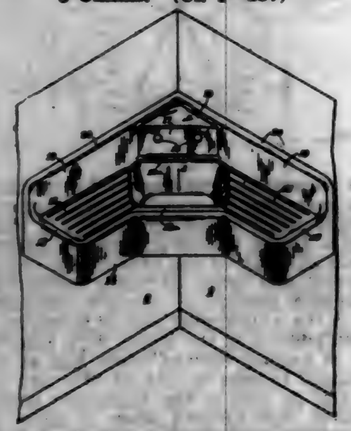
2,026,951
DECONCENTRATOR FOR LOCOMOTIVE BOILERS
Rudolf M. Ostermann, Kenilworth, Ill., assignor to The Superheater Company, New York, N. Y.
Application August 24, 1934, Serial No. 741,191
7 Claims. (Cl. 122—455)



1. In a locomotive type boiler, the combination of partitioning means dividing off a portion

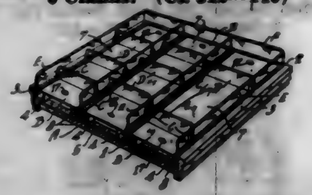
of the space in the upper portion of the boiler from the remaining boiler space, a feed water pipe to deliver feed water for the boiler into said portion of the space, an auxiliary pumping means, a conduit to deliver water from said portion of the space to said auxiliary pumping means, a weir interposed adjacent to the inlet to said conduit so as to prevent the water level in said portion of the space from falling below a predetermined point, a conduit leading from the auxiliary pumping means to the water space of the boiler, a steam dome on the boiler, means to lead steam from the dome and to deliver it below the surface of the water in said portion of the space, and means to take off steam from the upper portion of said portion of the space.

2,026,952
SINK WARE
John C. Reed, 3d, and Clarence C. Schott, Louisville, Ky., assignors to Standard Sanitary Manufacturing Company, a corporation of New Jersey
Application August 8, 1934, Serial No. 738,946
8 Claims. (Cl. 4—187)



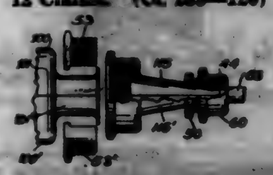
1. A sink adapted for corner mounting which has a front edge of a substantially U shaped outline.

2,026,953
ARTICLE DISPLAY-COUNTER
Peter Schott, Jr., St. Louis, Mo., assignor to American Fixture & Showcase Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application January 17, 1935, Serial No. 2,194
6 Claims. (Cl. 312—140)



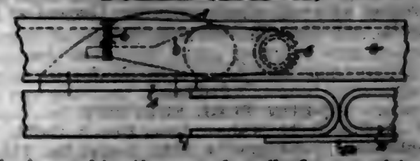
1. In a counter-sham, a frame comprising a pair of spaced parallel rails each provided longitudinally in its upwardly presented face with a groove, clips each comprising a U-shaped body-portion and a depending tongue, the clips being seated in opposed pair relation with their said tongues fitting endwise in said grooves, and means including spring-strips each of arcuate formation in transverse section and edgewise fitting in and lengthwise extending longitudinally in the respective grooves for co-operably with respective walls of the grooves engaging the clip-tongues for yieldingly retaining the clips in upright position for supporting a cross-partition at a selected location edgewise on and over the frame.

2,026,954
PIPE FITTING
Charles A. Van Deusen, Baltimore, Md.
Application July 25, 1932, Serial No. 624,454
12 Claims. (Cl. 285—120)



5. An article of manufacture including in operative relation: a hollow body of ductile metal having at least one extending tubular stub; a collar of a length materially less than that of said stub and having a threaded portion together with an internally chamfered portion; said collar being mounted upon said stub in concentrically rotatable relation with the chamfer remote from said body and the end of the stub remote from the body being flared in companion relation to the chamfered surface for securing said collar on said stub while permitting longitudinal movement thereon, and said flared surface being radially extended to develop a flange.

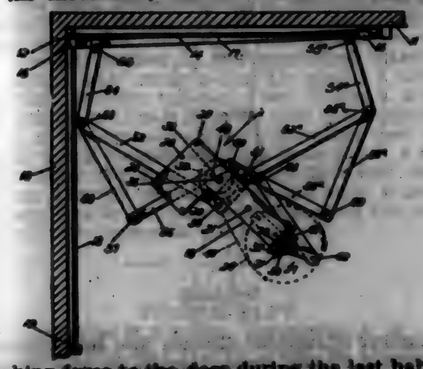
2,026,955
ANTIRATTLER DOOR GUIDE
Albert E. Welgris, East Orange, N. J., assignor to National Pneumatic Company, New York, N. Y., a corporation of West Virginia
Application February 8, 1934, Serial No. 710,264
2 Claims. (Cl. 16—91)



1. A combination as described comprising a fixed guide track, a folding door supported so as to lie parallel to the track when closed, means including a guide roller pivotally supported on the door so that the roller moves in said track, resilient means for holding said means at an angle with the plane of the door when it is open and a member engageable by the door as it approaches closed position to constrain it against sidewise movement with respect to the track whereby said means is pivoted to tension the resilient means and hold the door against vibration while closed.

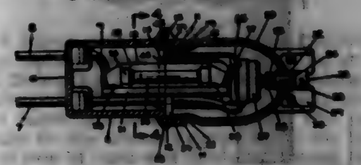
2,026,956
DOOR OPENING AND CLOSING DEVICE
Charles K. Allen, Arvada, Colo.
Application July 1, 1933, Serial No. 29,596
10 Claims. (Cl. 296—21)

1. A device for opening and closing a door which is mounted for movement along a track, comprising in combination, a source of power, means interposed between the power and the door for transmitting movement to the door, said means comprising two sets of link assemblies each connected with the source of power and with the door, each link assembly serving as a means to exert a pull on the door in the direction of its movement during the first one half the distance of the movement, and as a means to apply a



pushing force to the door during the last half of its movement when moving in the opposite direction.

2,026,957
FUSE AND SWITCH RECEPTACLE
Walter J. Bausroth, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application March 18, 1931, Serial No. 523,571
5 Claims. (Cl. 247—20)



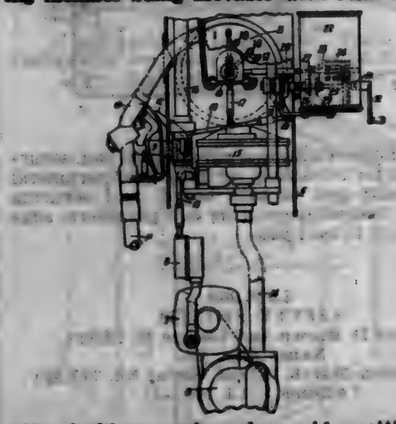
5. In a switch receptacle, a removable closure therefor, a U-shaped switch supporting element having its bight portion located in said closure, a switch mounted on the bight portion of said element, a fuse supporting member secured between the legs of said supporting element, and a switch actuator mounted in said closure and engageable with the switch upon positioning the closure upon the receptacle.

2,026,958
SINTERED HARD METALLIC ALLOY
Karl Becker, Berlin-Steglitz, Karl Schröter, Berlin-Lichtenberg, and Hans Wolff, Berlin, Germany, assignors, by mesne assignments, to General Electric Company, Schenectady, N. Y., a corporation of New York
No Drawing. Application July 3, 1931, Serial No. 548,472. In Germany February 21, 1930
4 Claims. (Cl. 75—1)

1. A sintered hard metallic alloy consisting of a tungsten carbide containing from about 3 to 7% carbon, an appreciable amount not over 20% of an auxiliary metal of lower melting point such as iron, cobalt, nickel, and from about 0.01 to 30% of vanadium carbide.

2,026,959
LIQUID DISPENSING APPARATUS
Eric H. Bradley, Cincinnati, Ohio, assignor to National Pumps Corporation, Dayton, Ohio, a corporation of Ohio
Original application February 23, 1933, Serial No. 658,536. Divided and this application January 24, 1933, Serial No. 653,647
12 Claims. (Cl. 221—95)

1. In a liquid dispensing apparatus comprising mechanism for delivering measured quantities of liquid, a device to register the quantities of liquid delivered, means for resetting said registering device, and a device to control the operation of said delivery mechanism, cooperating locking members connected respectively with said resetting means and said controlling device, each locking member being movable with relation to the



other locking member when said resetting device is in its normal position and said controlling device is in a position to prevent the operation of said delivering mechanism, said locking members having parts arranged to be brought into interlocking relation by the initial movement of either said resetting means or said controlling device.

2,026,960
MOTION PICTURE CAMERA AND PROJECTOR
Leslie Ernest Thomas Branch, Ilford, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application July 13, 1934, Serial No. 735,760
In Germany July 19, 1933
12 Claims. (Cl. 242—55)

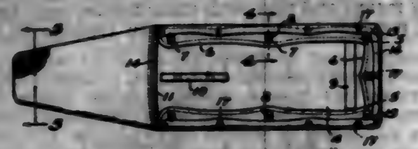


1. In a motion picture camera or projector, in combination, film feed mechanism, a take-up support, means for driving the feed mechanism and take-up support, transmission mechanism through which the drive is transmitted to the feed mechanism, a take-up roll which can be placed on and rotated by said take-up support, and means associated with the roll whereby when this is placed on the take-up support in one position relatively thereto the transmission mechanism is operative but when the roll is placed on the support in the reversed position relatively therete the transmission mechanism is inoperative and the drive cannot be transmitted to the feed mechanism.

2,026,961
PAD AND COVER
Mercedes E. Bradt, Lakewood, Ohio
Application June 7, 1934, Serial No. 729,433
8 Claims. (Cl. 24—16)

1. A cover in combination with a pad for a board having an open end and a substantially flat sur-

face, comprising a pocket for housing said open end of said board, means for maintaining said pad taut on said flat surface of said board, a peripheral edge forming a part of said cover, a



peripheral edge forming a part of said pad, securing means for releasably securing said peripheral edge of said pad to said board, and securing means for releasably securing said peripheral edge of said cover to said pad.

2,026,962
SAFETY SWITCH
George D. Brown and George M. Myers, Nasty Gin, Pa.
Application March 1, 1934, Serial No. 713,594
2 Claims. (Cl. 200—8)



1. A safety switch, comprising a base, a slide member slidable on said base, a pair of terminals secured to said base and adapted to be connected to a source of electric power supply, a terminal bridging member carried by said slide member, a spring constantly urging said slide member in a position whereby said bridging member will engage said terminals, a second pair of terminals carried by the base in spaced relation to said first pair of terminals, a second bridging member carried by said slide member in spaced relation to said first bridging member and engageable with said second pair of terminals when said first bridging member engages said first pair of terminals, a pair of contacts secured to said slide member and adapted to engage said second pair of terminals when said slide member has been moved to disengage each of said bridging members from each pair of terminals, and flexible conductors connecting said first pair of terminals with said contacts.

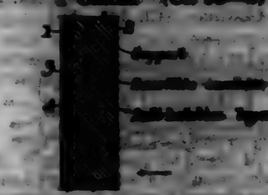
2,026,963
WARP KNIT GIRDLE WITH INTEGRAL SUPPORTING PANELS
Charles R. Burns, Reading, Pa., assignor to Vanity Fair Silk Mills, Reading, Pa., a corporation of Pennsylvania
Application February 12, 1935, Serial No. 6,314
2 Claims. (Cl. 66—176)

1. Girdle of warp knit fabric comprising side panels of major elasticity and front and back panels of minor elasticity, said panels being integrally knit, including rubber strands incorporated into said fabric in both said front, back and side panels at substantially uniform space inter-

vals, the elasticity of the front and back panels being diminished by the incorporation of a greater number of inelastic threads into said knitting per unit of circumference than in the side panels.

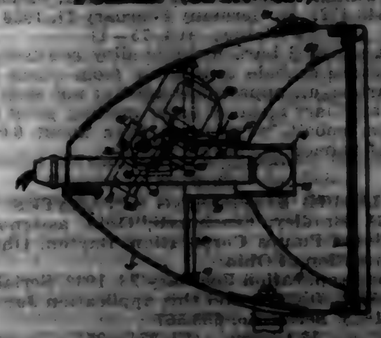


2,026,964
FILM FOR COLOR PHOTOGRAPHY
John G. Capstaff, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application February 9, 1933, Serial No. 656,644
3 Claims. (Cl. 95—6)



A photographic element comprising a light transmitting support of cellulosic composition containing a neutral dye and having minute lenticulations on one surface, a sensitive, panchromatic layer on the other surface, and on the outer surface of the sensitive layer an anti-halation layer which embodies a material absorptive of light of all colors, said material being readily removable in the baths of a photographic reversal process.

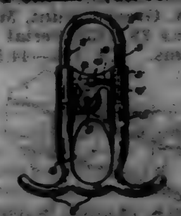
2,026,965
SIGNAL
Charles W. Cusack and William E. Funk, Spokane, Wash.
Application November 15, 1932, Serial No. 642,704
2 Claims. (Cl. 177—337)



1. In a headlight, a body portion, a reflector positioned in the body portion, a [illegible]

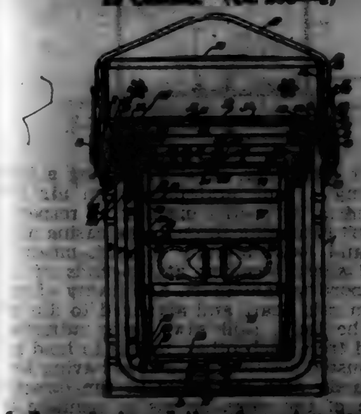
tended horizontally disposed lamp within the body portion, vertical supporting bars within the body portion, brackets secured to the vertical supporting bars, plates secured to the brackets and supported in spaced relation with each other, a main shaft, the ends of the shaft being mounted in bearings formed in the supporting plates, a segmental gear mounted on the shaft, a motor mounted between the plates and having a shaft, a worm on the shaft meshing with the segmental gear, a tubular color screen operating over the lamp, a link connected to the main shaft, a link connecting the first mentioned link and color screen whereby movement of the main shaft is transmitted to the color screen moving the color screen with respect to the lamp.

2,026,966
FINGER CUFF
Abraham D. Cushing, Woodsville, N. H.
Application May 5, 1934, Serial No. 723,644
1 Claim. (Cl. 70—240)



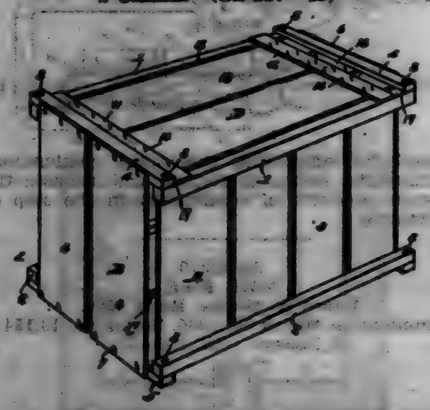
In a finger cuff, a body having a handle comprising oppositely projecting arms and an interposed flatted portion, the said body having bores, a transversely disposed channel intersecting one of the bores, a shackle having two end portions movable in the bores, ratchet teeth on the surface of one of said end portions facing the said channel, a ratchet in the channel engageable with the ratchet teeth, means for urging the ratchet into engagement with the teeth, and means for retaining the ratchet against movement when in engagement with the teeth.

2,026,967
LUNCH BOX
James H. Devine, Ste. Genevieve, Mo., assignor to Dev-Insular Company, St. Louis, Mo., a corporation of Missouri
Application November 25, 1932, Serial No. 644,296
19 Claims. (Cl. 206—4)



1. In a device of the character described, an outer casing, a liner within the casing and thermally insulated therefrom, a collar having a plurality of channels formed on the upper surface thereof associated with said casing and said liner, and means on said casing and liner extending into the channels in said collar for securing said collar to said casing and said liner.

2,026,968
CRATE
Charles O. Ewell, Dyer, Tenn.
Application December 23, 1934, Serial No. 759,506
2 Claims. (Cl. 217—43)

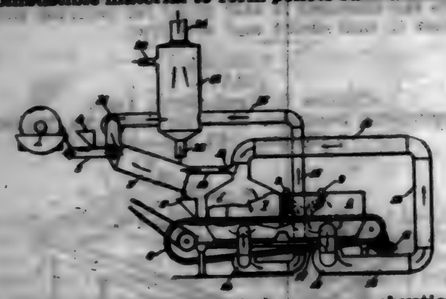


1. A collapsible crate or lug comprising end panels having upper and lower strips on the inner sides thereof providing upper and lower ventilating spaces therebetween open at the sides of the structure, said strips projecting laterally beyond the open sides, side panels including upper and lower side strips on the outer sides thereof providing outside ventilating spaces therebetween open at the ends of the structure, said side strips being so located as not to obstruct the top and bottom ventilating spaces at the sides of the crate, said side strips extending between the projecting ends of the cross strips of the end panels to lap the same, clinched pivot nails extending through the lapping portions of the strips of the end and side panels and constituting the sole connections between the panels, a bottom panel removably mounted at its ends on the lower cross strips of the end panels and held against longitudinal displacement by the end panels and against lateral displacement by the side panels, the top and bottom cross strips on the end panels being so positioned that, when the crates or lugs are stacked, top and bottom ventilating areas of increased size are provided between the stacked crates which spaces are constantly open at their sides, and the top and bottom side strips of the ends or lug constituting means for engaging corresponding strips on similar crates or lugs when stacked at the sides thereof, thereby to provide open ended side ventilating areas of increased size between the crates or lugs when positioned side by side, and a top panel normally positioned to afford no obstruction to the said upper and lower ventilating spaces.

2,026,969
METHOD FOR TREATMENT OF SEWAGE
Edward D. Flynn, New Rochelle, N. Y., assignor, by mesne assignments, to Oliver United Filters, Incorporated, San Francisco, Calif., a corporation of Nevada
Application May 18, 1932, Serial No. 611,129
4 Claims. (Cl. 210—15)

3. The method of treating sewage sludge comprising effecting a separation of its solid and

liquid phases; continuously rolling and tumbling the separated solids in the presence of a sufficient quantity of hot gases and a comminuted combustible material to form pellets substantially



capable of supporting their own combustion; burning the pellets so formed and utilizing the gaseous products of combustion in the step of pelletizing.

2,026,970
NAIL FILE
James W. Gorow, Reno, Nev.
Application March 26, 1935, Serial No. 13,154
3 Claims. (Cl. 132—73)



1. A nail treating instrument comprising a blade-like member perforated over its whole area, the perforations being small and close together, and the opposite faces of the perforated blade being smooth.

2,026,971
WINDOW GLASS GUIDE
Daniel A. Greene, Flint, Mich.
Application December 14, 1934, Serial No. 758,050
3 Claims. (Cl. 296—44.5)



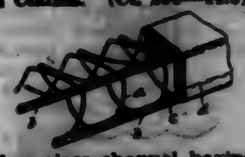
1. A window glass guide comprising a channel shaped core composed of a pair of longitudinal edge wires, a series of regularly spaced transverse wires connected at their ends with said edge wires, and a pair of longitudinal stay wires interwoven with and connected to said transverse wires and arranged in proximity to said edge wires, said transverse wires being substantially unobstructed to movement into relatively radial positions when the channel is bent to conform to a curved window frame.

2,026,972
WINDOW GLASS GUIDE
Daniel A. Greene, Flint, Mich.
Application March 5, 1932, Serial No. 597,411
10 Claims. (Cl. 296—44.5)



1. A glass run channel comprising a generally channel shaped core portion of flat continuous sheet metal having a base and side walls, said core portion having transverse slits extending alternately partly across the same from opposite edges of its sides, and the edges of said slits being spaced apart at their open ends.

2,026,973
WINDOW GLASS CHANNEL
Daniel A. Greene, Flint, Mich.
Application May 29, 1935, Serial No. 24,013
4 Claims. (Cl. 296—44.5)



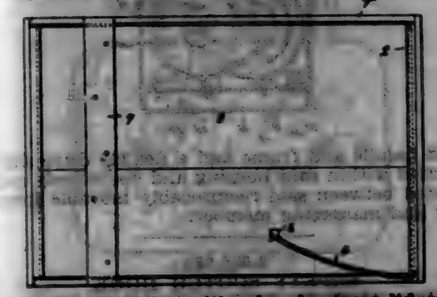
1. A window glass channel having a channel shaped metal core composed of a continuous wire formed into a series of coils having oppositely disposed segmental portions thereof arranged approximately in the same plane with the corresponding segmental portion of each coil overlapping the opposite segmental portion of the next adjacent coil and means engaged with the intermediate portions of said coils for securing the same in fixed relation.

2,026,974
AIR CONDITIONING APPARATUS
John Oliver Geffry, Arkansas City, Kans.
Application May 15, 1935, Serial No. 21,599
1 Claim. (Cl. 261—26)



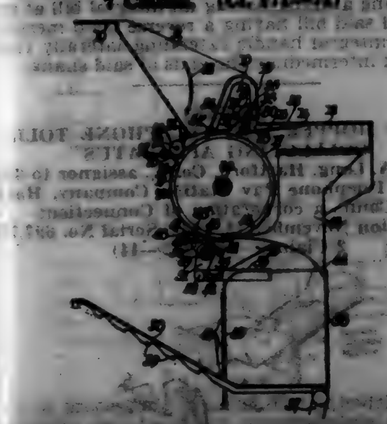
In an air moistener, a casing having a lower part forming a tank and having an air inlet opening and an air outlet opening at respective ends, a shaft extending through the casing above the tank and longitudinally thereof, means to rotate said shaft, bearings at the ends of said casing supporting said shaft, a plurality of saws mounted on said shaft and arranged to dip into water in the tank, said saws being adjustable toward and from each other, means to hold said saws in adjusted positions said saws having teeth with points directed forwardly in the direction of rotation of the saws, means to regulate the height of the shaft above the water in the tank and thereby control the depth of immersion of the saws, a second shaft extending through the tank parallel to the first shaft, means to rotate said shaft, breaker plates mounted on said shaft for adjustment thereabout to position the plates in the paths of spray from the saws, and means to hold the breaker plates in adjusted position on the shaft.

2,026,975
BOX
Oscar L. Hein, Shawano, Wis.
Application March 19, 1935, Serial No. 11,369
2 Claims. (Cl. 217—56)



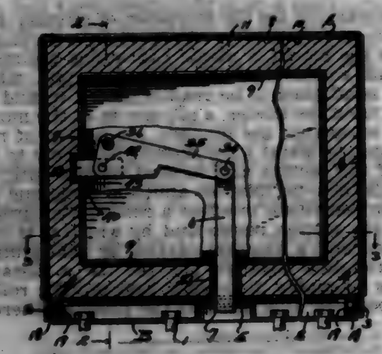
1. In combination with a box having a lid, said box having grooves on the inner faces of its end pieces for receiving the ends of the lid, the length of the lid being less than the distance between the outer walls of the two grooves, whereby by pushing one end of the lid into one groove the other end of the lid can be placed opposite the other groove and then the lid moved forwardly to place said other end in said other groove and an elongated member movably fitting in one of the grooves between an end of the lid and an outer wall of said groove for holding the lid in place, said member having an angle extension at one end forming a handle.

2,026,976
GUIDING ARRANGEMENT FOR A DOCUMENT REPRODUCING MACHINE
Carter J. Hughey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application February 2, 1934, Serial No. 709,889
7 Claims. (Cl. 271—74)



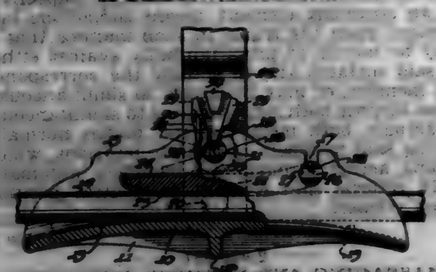
1. In a machine for handling documents, the combination with a feeding means having an exit and including a drum for moving documents, of a fixed guide member located adjacent to the exit of said feeding means and having a curved edge which extends outside from said drum, and a movable guide member adapted resiliently to press against the periphery of said drum and for directing a document, which is leaving said feeding means, into contact with said curved edge of the fixed guide member, said guide members being displaced along said drum with the spirally curved edge of said fixed guide member being variably displaced from said movable guide member.

2,026,977
SAFE
William H. Jaeger, Trenton, N. J.
Application February 7, 1933, Serial No. 655,644
5 Claims. (Cl. 109—3)



1. In combination, a base structure, a safe slidable on the base structure, a door for such safe, means for interlocking the safe and base structure when the safe is slid on the base structure, and means carried by the door and coacting with the base structure for holding the safe against sliding movement when interlocked with the base structure, said means being ineffective when the door is opened.

2,026,978
RELEASING CLAMP
John Milton Junior, Washington, D. C.
Application September 28, 1932, Serial No. 635,273
19 Claims. (Cl. 248—64)



17. In a conductor clamp, a lower clamping member for receiving a conductor and having spaced upstanding sides, an upper clamping member located between said sides for clamping engagement with the conductor, a hold-down cam located between said sides for cooperation with the upper clamping member to hold the same in engagement with the conductor, and means integral with said cam and rotatably and detachably engaged within openings in said sides.

2,026,979
APPARATUS FOR PRODUCTION OF STEEL TUBES AND OTHER SECTIONS
Ernest Frazer Jones, London, England
Application December 12, 1934, Serial No. 757,206
In Great Britain October 12, 1933
4 Claims. (Cl. 29—33)



1. Apparatus for the extrusion of circular steel sections comprising in combination a holder to receive the mould, a mould containing a circular die and constituting an extrusion pot, which mould is adapted to be readily placed in and removed from the holder, a plunger to fit the mould, a ram to operate the plunger, a plurality of rollers mounted about axes skewed relatively to the axis of the section and located in line with the die with their peripheries abutting upon one another to constitute in effect a rolling die through which the section passes and by which it is consolidated and a mandrel carried by said plunger and extending through the die for a distance such as to enable it to enter between the rollers to support the tube against the pressure thereof.

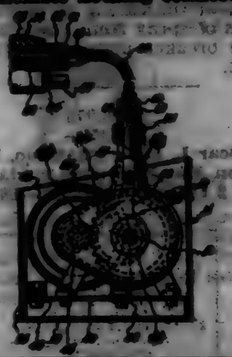
2,026,980
ELECTRIC SWITCH MECHANISM
Henry B. Joy, Grosse Pointe Farms, Mich.
Application January 26, 1934, Serial No. 708,868
4 Claims. (Cl. 200—5)



4. Electric switch mechanism including a frame, two switch operating members having oppositely facing relatively inclined surfaces, means supporting the said members upon the frame for limited movements relatively thereto, respectively, an operating element, means supporting said element upon the frame in such manner that it may be moved to press normally against either of said surfaces and to actuate the corresponding member, or may be moved to simultaneously press against both such surfaces to simultaneously actuate both members, and means normally urging said members to definite positions, which means, acting through said members, automatically returns said element to neutral position when released.

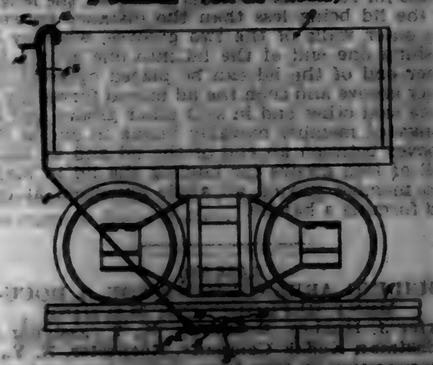
2,026,981
MASSAGING AND BATHING APPARATUS
Ellis Kahnt, Chicago, Ill.
Application February 7, 1934, Serial No. 710,847
5 Claims. (Cl. 15—22)

1. A massaging apparatus including a handle, a massaging member supported thereby for reciprocable movement with respect thereto, and means for reciprocably moving said massaging member with respect to said handle comprising a frame remote from said massaging member, a motor, a reciprocably movable member driven by said motor and supported in said frame, and a flexible drive connection between said reciprocably movable member and massaging member comprising a flexible housing connected between



said handle and frame and a flexible drive shaft carried within said housing and operatively connected between said reciprocably movable member and massaging member.

2,026,982
SAFETY SCOTCH HOOK
Jesse McKinley Kinkeon, Coal Park, W. Va.
Application May 20, 1935, Serial No. 22,455
2 Claims. (Cl. 24—230.5)



1. As a new article of manufacture, a hook for use in connection with a mine cat scotch and comprising a shank having an integral bill at one end, and said bill having a reverse bend merging into an integral handle extending laterally from the hook intermediate the ends of said shank.

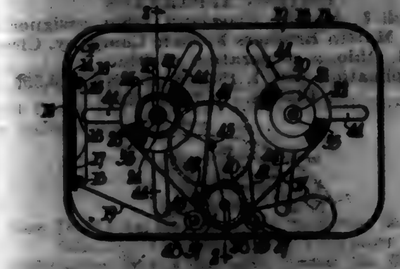
2,026,983
COIN HOPPER FOR TELEPHONE TOLL COLLECTING APPARATUS
George A. Long, Hartford, Conn., assignor to The Gray Telephone Pay Station Company, Hartford, Conn., a corporation of Connecticut
Application November 11, 1933, Serial No. 697,771
2 Claims. (Cl. 221—84)



1. A case for a coin hopper and a baffle fixing therefrom and of curved contour in cross sec-

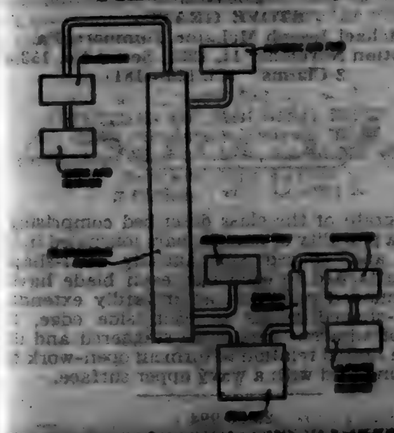
tion, all being formed of a single piece of metal and said case being open at the bottom and having a notch in one wall, and a separately formed bottom having an opening for discharge of coins therefrom and a wing fitting within said notch.

2,026,984
FILM MAGAZINE
Donald F. Lyman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application December 7, 1932, Serial No. 781,211
11 Claims. (Cl. 88—17)



1. In a film magazine, the combination with a casing, a pair of supports for rotatably mounting a pair of film rolls within said casing, and a film advancing means including a sprocket rotatable in a predetermined direction to move film from one film roll to the other and for engaging the film and maintaining a preformed loop in said film within said casing, of a uni-directional clutch means between said casing and said sprocket and for permitting rotation thereof in said predetermined direction but preventing rotation of said sprocket in reverse direction.

2,026,985
PROCESS FOR THE MANUFACTURE OF ALIPHATIC ACID ANHYDRIDES
Carl J. Malm and Webster E. Fisher, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application March 27, 1933, Serial No. 663,966
4 Claims. (Cl. 260—133)

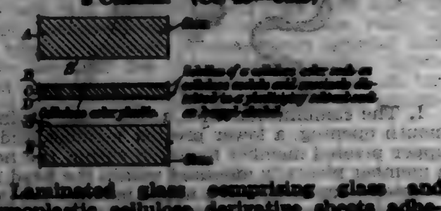


1. A process of preparing the anhydride of an aliphatic acid from the corresponding acid and acetic anhydride comprising passing the aliphatic acid and acetic anhydride vapor, in contact with magnesium perchlorate, in counter-current through a fractionating column.

2,026,986
PREPARATION OF HIGH VISCOSITY MIXED ESTERS OF CELLULOSE
Carl J. Malm, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application May 1, 1933, Serial No. 19,349
3 Claims. (Cl. 260—101)

1. The preparation of a high viscosity mixed ester of cellulose containing acetyl and acyl groups of 3–4 carbon atoms in a bath in which the acyl groups of 3–4 carbon atoms comprise at least 40% of the total acyl therein which comprises pretreating cellulose with a mixture of acetic acid and a fatty acid of 3–4 carbon atoms, the former comprising at least 20% of the mixture and then esterifying it in a bath containing a catalyst and a mixture of the anhydride of a fatty acid of 3–4 carbon atoms and acetic anhydride, the latter comprising at least 20% of the anhydride present.

2,026,987
LAMINATED GLASS
James G. McNally and Sterling R. Sweet, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application March 11, 1933, Serial No. 660,808
3 Claims. (Cl. 49—81.5)



1. Laminated glass comprising glass and thermoplastic cellulose derivative sheets adhesively bonded thereto by the agency of a film containing a mixed carbohydrate organic ester at least one of the acyl groups of which contains a free carboxyl group.

2,026,988
ROAD PAVING
Hermann Plauson, Darmstadt, Germany, assignor, by mesne assignments, to T. R. C. Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 1, 1930, Serial No. 492,975. In Germany November 3, 1929
5 Claims. (Cl. 94—23)

1. A rolled ballast road comprising ballast stones, which are united by a hydraulically set uniformly bituminated mortar filling the interstices between the stones, the said mortar being prepared from an initially pulverulent intimate mixture of a hydraulic binder and not more than seven per cent, calculated on the weight of the binder, of a bituminous substance, so as to form a monolithic block.

2,026,989
METHOD OF BUILDING ROADS
Hermann Plauson, Freiberg, Germany, assignor, by mesne assignments, to T. R. C. Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Original application August 12, 1931, Serial No. 556,610. Divided and this application January 18, 1934, Serial No. 707,241. In Germany August 15, 1930
5 Claims. (Cl. 94—22)

1. The method of making a rolled ballast road which comprises arranging on the road a layer of

ballast stones and a dry uniformly bituminated mortar prepared from a pulverulent intimate mixture of a hydraulic binder and not more than seven per cent, calculated on the weight of the binder, of a bituminous substance, compressing the layer of stones and mortar by rolling so as to fill the interstices between the stones with the mortar and adding water to cause the bituminated hydraulic binder to set in situ thereby uniting the ballast stones into a monolithic block.

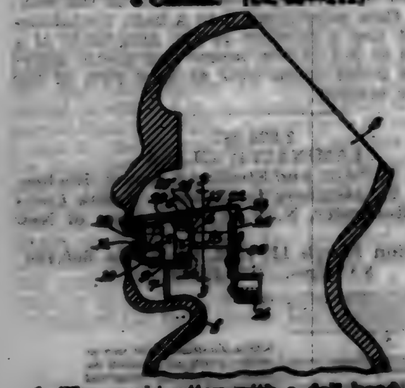
2,026,906

DOLL HEAD

Joseph A. Manning, Pawtucket, R. I.

Application June 12, 1934, Serial No. 730,110

6 Claims. (Cl. 46—171)



1. The combination with a doll head having a mouth opening, a lower pivoted member and an upper pivoted member mounted within the head, a member pivotally mounted within the head and adapted to move over the upper member partially concealing the upper member, the upper pivoted member adapted to engage the lower pivoted member restricting downward movement of the upper pivoted member, weighted means for moving the member operating over the upper member, means for transmitting movement of the member moving over the upper member, to the upper member.

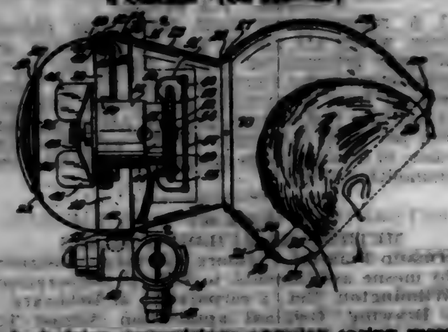
2,026,981

DRIER

Wendell L. Martin, Cleveland, Ohio

Application September 21, 1931, Serial No. 564,972

4 Claims. (Cl. 219—39)



1. A drier, comprising: angular casing means having an open end portion adapted to be directed toward a subject to be treated; a motor and fan unit disposed in said casing and cooperating therewith to define an annular passage for air, said motor and fan unit operating to effect flow of a stream of air through said casing and into contact with said subject, said motor and fan unit carrying a threaded projection; an insulating member carried by said projection and having radiant energy generating means mounted thereon, a shield mounted upon said projection for shielding said generating means from the stream of air passing through said casing means, and a member threaded upon said projection and clamping said insulating member and said shield in fixed position with reference to said motor and fan unit.

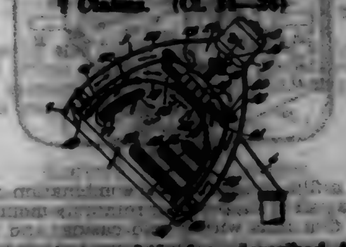
2,026,982

DATING APPARATUS

Wendell L. Martin, Cleveland, Ohio, assignor to The Martin Brothers Electric Company, Cleveland, Ohio, a corporation of Ohio

Application July 1, 1933, Serial No. 678,153

7 Claims. (Cl. 35—30)



1. Apparatus, as of the type described, for subjecting a person to the action of a stream of gaseous-like fluid, comprising: an open-front housing having a plurality of orifice areas, and means cooperating with said housing and defining a plurality of cooperating passages communicating with said orifice areas; and circulating means within said housing, axially shiftable from passage to passage, and operable in one passage to induce flow through said passages and orifice areas in one direction, and operable in another passage to induce flow in the opposite direction through said passages and orifice areas; said housing and cooperating means whereby gaseous fluid discharged from one passage is entrained in the stream of gaseous fluid entering the other passage and thus recirculated.

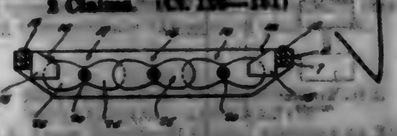
2,026,983

STOVE GRATE

Michael Joseph McLaine, Dunmore, Pa.

Application November 14, 1934, Serial No. 753,831

2 Claims. (Cl. 126—141)



1. A grate of the class described comprising a frame, a plurality of parallel bars journaled in the frame, and spaced substantially oval-shaped blades attached to each bar, each blade having plain rounded ends and an inwardly extending arcuate-shaped recess in each side edge, the blades of adjacent bars being staggered and disposed in nested relation to form an open-work fire supporting grid with a wavy upper surface.

2,026,984

ARMATURE FOR MAGNETIC MOVEMENTS

Charles Mantek, Brentwood, N. Y.

Application May 15, 1930, Serial No. 452,978

16 Claims. (Cl. 172—119)

4. In a magnetic movement, the combination of a pair of pole pieces of the same polarity, a

stationary voice coil to vary the strength of the polarity of one of the pole pieces with respect to the other, a pole face on each of the pole pieces and a reciprocating armature provided with two



magnetic portions each having a face adjacent to and of substantially the same area as one of said pole faces, the adjacent faces overlapping when in normal position.

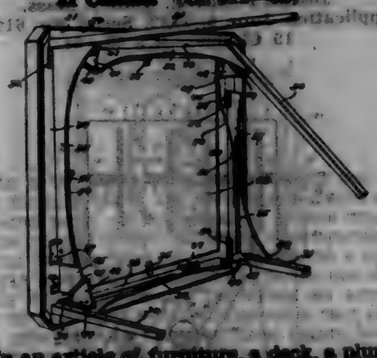
2,026,985

TABLE

Don D. Myers, Toledo, Ohio, assignor to The Blandon Manufacturing Company

Application March 31, 1933, Serial No. 663,290

21 Claims. (Cl. 311—82)



1. In an article of furniture, a deck, a plurality of legs for said deck movable to supporting and non-supporting positions, and means operable upon movement of one of said legs to either of said positions to successively move the other legs to said position.

2,026,986

METHOD OF MOLDING PIPES

Harry Rafkovich, Detroit, Mich.

Application May 26, 1933, Serial No. 672,539

Renewed June 4, 1935

10 Claims. (Cl. 18—59)



1. The method of making hollow articles composed of fiber and a binder which hardens under heat which comprises applying said fiber and binder to a core helically wrapping a porous sheet around said fiber and binder the number of times to provide the proper thickness for a predetermined mold, applying said mold to said porous sheet, supporting said assembled core, fiber and binder sheet and mold to temperatures sufficiently high to harden said binder and subsequently removing said core, mold and sheet from the molded article.

2,026,987

UNIVERSAL JOINT

Charles De Los Rios, West Hartford, Conn.

Application February 9, 1934, Serial No. 710,467

5 Claims. (Cl. 64—17)



1. In a universal joint, a pair of yokes disposed at right angles to each other, a spider, means comprising tubular members extending through said yokes and into said spider, bolts extending through said tubular members having heads bearing against the outer ends of said tubular members and screw threaded inner ends anchored in said spider for rigidly securing said tubular members to said spider, antifriction bearings between the outer ends of said tubular members and said yokes disposed with their axes of thrust inclined outwardly toward the radii of the tubular members to operatively connect said yokes together for frictionless angular movement relative to each other, and means on the outer ends of said tubular members for adjusting said bearings.

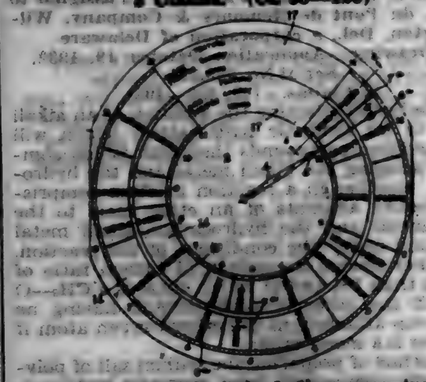
2,026,988

PROGRAM CLOCK

Hugh W. Sanford, Knoxville, and Fritz H. Thomas, Greeneville, Tenn., assignors to Program Clock, Inc., Knoxville, Tenn., a corporation of Tennessee

Application June 15, 1933, Serial No. 677,442

3 Claims. (Cl. 58—126)

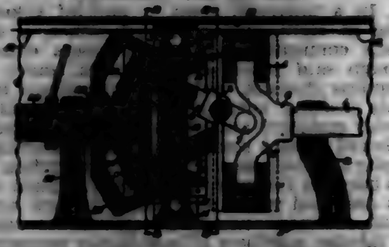


1. A program clock including a central clock face adapted to carry an advertising display, in combination with a hand mounted to move across said face having a substantially opaque pointer end, the remainder of the hand, adapted to traverse the advertising display, being transparent, whereby the advertising display remains unobscured regardless of the position of the hand.

2. A program clock designed for public use to give persons several feet away a time record of

a variable entertainment presentation comprising a clock having a single hand, a substantially circular dial portion of relatively large diameter having a multiplicity of time division lines defining intervening spaces of individually small time value, a program band peripherally beyond the dial and concentric therewith, movable indicia carried by the band for designating the character of the individual program units, and movable means carried by the band having division lines adapted to be placed in prolongation of the time division lines to cooperate therewith and with the indicia to indicate the time of beginning, time of ending, and duration of the several program units.

2,026,999
DRIVING MECHANISM
John S. Schumaker and Alan G. Schumaker, Asheville, N. C.
Application May 16, 1934, Serial No. 725,944
10 Claims. (Cl. 74—389)



1. Driving means comprising a drive shaft, and a driven shaft, in combination with means for driving the latter by the former at an automatically variable speed, the latter means comprising an auxiliary shaft universally connected to the drive shaft and connected to the driven shaft, and rotatable on its own axis at different speed ratios from the driven shaft and swingable simultaneously about the axis of the driven shaft.

2,027,000
PROCESS OF REACTING ALKALI METALS WITH AROMATIC HYDROCARBONS
Norman D. Scott, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 19, 1932, Serial No. 638,336
14 Claims. (Cl. 260—667)

1. Method of effecting the addition of an alkali metal to an aromatic hydrocarbon which will form addition compounds therewith which comprises bringing the alkali metal and the hydrocarbon together in a reaction medium comprising effective amounts of an ether inert to the alkali metal and the hydrocarbon-alkali metal compound under the conditions of the reaction, said ether having an oxygen to carbon ratio of not less than 1:4 and in which there is a CH_2—O group if the ether is aliphatic and having no aryl group attached to the ether oxygen atom if the ether is a mono-ether.

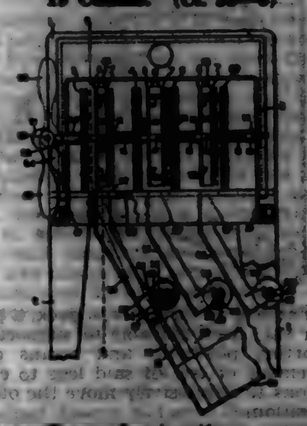
9. Method of preparing the sodium salt of polycarboxylic compounds from aromatic hydrocarbons which will form addition compounds with alkali metals, which comprises bringing the alkali metal and the hydrocarbon together in a reaction medium comprising effective amounts of an ether inert to the alkali metal and the hydrocarbon-alkali metal compound under the conditions of the reaction, said ether having an oxygen to carbon ratio of not less than 1:4 and in which there is a CH_2—O— group if the ether is aliphatic and having no aryl group attached to the ether oxygen atom if the other is a mono-ether, and, after the alkali metal-hydrocarbon reaction has started, adding CO_2 to the solution so as to simultaneously carboxylate the alkali metal compound and form further amounts of alkali metal compound.

14. Dihydrophenanthrene dicarboxylic acid prepared by a process comprising reacting phenanthrene with an alkali metal in an ether solution to form a di-alkali metal addition compound and reacting said addition compound with carbon dioxide.

2,027,001
PRESERVATION OF RUBBER
Winfield Scott, Akron, Ohio, and Horace G. Byers, Washington, D. C., assignors to The Rubber Service Laboratories Co., Akron, Ohio, a corporation of Ohio
No Drawing. Original application October 26, 1927, Serial No. 228,966. Divided and this application May 12, 1934, Serial No. 725,496
21 Claims. (Cl. 18—59)

1. The method of preserving rubber which comprises treating rubber with the condensation product of an aliphatic aldehyde with a diarylamine containing two amino groups.

2,027,002
COOKING APPLIANCE
Joseph F. Young, Quincy, Mass.
Application June 6, 1933, Serial No. 675,617
19 Claims. (Cl. 53—5)



1. An appliance for toasting or cooking food in slice formation comprising a housing having a plurality of separate unobstructed openings in its bottom, a pair of slice-clamping members to support a slice stationarily within the housing over each opening, a spring for holding each pair of clamping members in clamping engagement with the slice, heating elements within the housing arranged to toast or broil said slices while thus stationarily supported, and means common to all the pairs of slice-clamping members to open simultaneously, whereby said slices gravitate through said openings.

2,027,003
STRAP FASTENER FOR TIRE CHAINS
Frank E. Stahl and Raymond W. Waterbrod, Tonawanda, N. Y., assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application March 8, 1935, Serial No. 10,218
3 Claims. (Cl. 24—121)

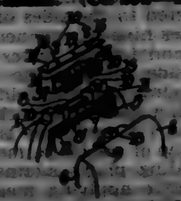
1. A fastener for a strap comprising a supporting plate, spaced wings carried by the plate, each wing being formed with an elongated bearing

adjacent the end of the plate which receives the strap, a lever extending between said wings and having trunnions slidable in the elongated bearings to permit longitudinal movement of the lever in clamped position, said lever being provided between the trunnions with a claw for clamping the strap, keepers formed in the body of the plate



independently of the wings, and hooks formed on the free end of the lever, said hooks being drawn into engagement with the keeper when the lever is in its clamped position by longitudinal movement of the strap in the opposite direction from that in which it is received due to the tension of the strap on the claw.

2,027,004
CAMERA LATCH
Donald H. Stewart, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application April 27, 1936, Serial No. 76,713
2 Claims. (Cl. 292—167)



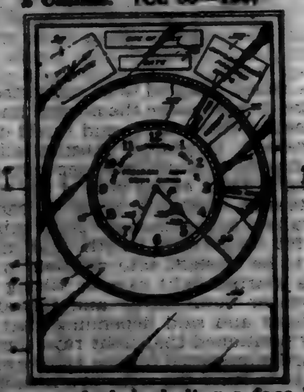
1. In a latch for cameras including two relatively movable parts, the combination with a pair of spaced posts on one member, a slide mounted on the spaced posts including downwardly extending flanges forming with the posts a hollow, box-like receptacle between the posts, one downwardly extending flange including an aperture, a lug on the other relatively movable part adapted to pass through the apertured flange into the box-like receptacle between the posts and flanges, and means including a plate fastened at its ends to the posts and overlying the slide for retaining the slide on the camera.

2,027,005
ROOT SPRAY
Raymond F. Tairov, Coffeyville, Kans.
Application September 30, 1935, Serial No. 41,483
2 Claims. (Cl. 47—32)



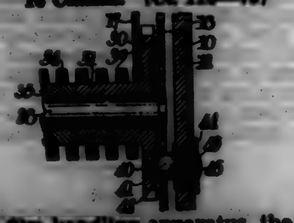
2. Means for supplying water to the bases of trees, plants and the like comprising a pipe having a beveled end which causes the water to flow from the bore of the pipe sidewise, means for connecting the upper end of the pipe to a source of supply, a valve for controlling the flow of water through the pipe and a handle on the upper portion of the pipe, said handle being adjustably connected with the pipe.

2,027,006
PROGRAM CLOCK
Fritz Hugh Thomas, Greeneville, Tenn., assignor, by direct and mesne assignments, to Program Clock, Inc., Knoxville, Tenn., a corporation of Tennessee
Application April 20, 1931, Serial No. 531,583
2 Claims. (Cl. 58—126)



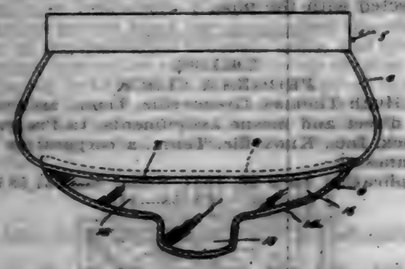
1. A program clock including a face having a central clock dial and an annular area surrounding the circumference of the dial, oppositely facing flanges at the edges of the annular area, a plurality of segments detachably retained by the flanges each bearing indicia corresponding to a program unit, dial time markings carried by the flanges and a clock hand cooperating with the clock dial, the markings and the segments to indicate the elapse of time and the currency of a program unit.

2,027,007
FEELABLE FOOTAGE INDICATOR FOR MOTION PICTURE APPARATUS
Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application October 7, 1932, Serial No. 637,667
16 Claims. (Cl. 116—73)



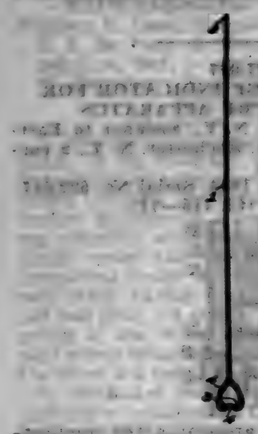
4. In a film handling apparatus, the combination with a casing for said apparatus, and a driving means for advancing film through said casing, of a feelable member movably mounted with respect to said casing in a position available to the touch of the operator during normal operation of the apparatus and actuated by said driving means periodically to affect the operator's sense of feeling in timed relation to the rate of film advancement.

1,027,902
EYESHADE
James R. Woodworth, Manteca, Calif.
Application January 19, 1935, Serial No. 2,366
1 Claim. (Cl. 2—12)



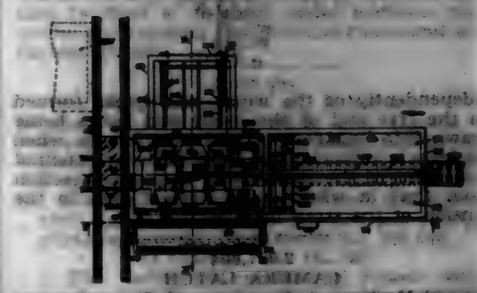
A glare shield adapted to be supported with the lower edge thereof above the normal line of vision of the head of the wearer, said shield comprising a transversely elongated substantially opaque member having a centralized depending part for disposition in front of the nose of the wearer, the lower laterally extending edges on each side of the centralized depending part being substantially straight for their entire length, said shield being adapted to be brought into position to intercept oncoming glaring light rays by tilting the head of the wearer downwardly and forwardly, said side portions and said depending part being so relatively positioned that light rays coming from the left are intercepted for the right eye and vice versa, so as to leave the right eye with unaffected vision.

1,027,908
TOOL FOR OPENING AUTOMOBILE DOORS
Floyd J. Wyssaver, Washington, D. C., assignor of one-third to Henry C. Parker, Washington, D. C.
Application March 14, 1934, Serial No. 715,858
3 Claims. (Cl. 81—5)



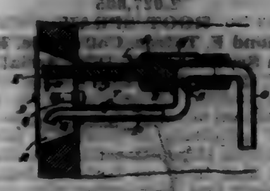
1. A tool for opening automobile doors comprising a stiff but bendable rod having a length sufficient to reach from the floor boards of an automobile to an inner door handle and being provided with means for pushing and pulling an inner door handle, said means comprising a loop having at least one hook shaped portion for pulling said handle and a reversely bent section adapted for pushing said handle.

1,027,910
ICE WRAPPING MACHINE
Maxwell T. Leigh, Huntington Park, Calif., assignor, by mesne assignments, to Leigh Packaged Ice Machinery Corporation, Huntington Park, Calif., a corporation of California
Application July 30, 1931, Serial No. 554,115
24 Claims. (Cl. 93—8)



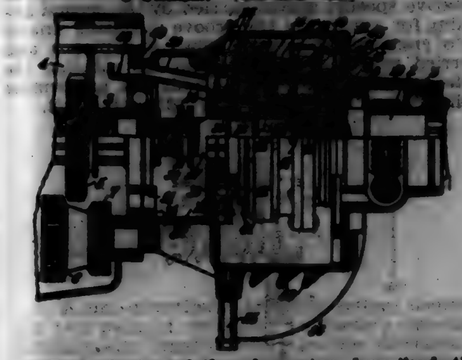
17. In an ice wrapping machine, a platform, means for positioning a sheet of wrapping paper thereon, and folding plates hingedly connected to the ends of the platform, side folding plates hingedly connected to the sides of the platform, top folding plates hingedly connected to the side folding plates, and folding plates hingedly connected to the sides of the side folding plates, means for swinging the side folding plates upwardly against the sides of a block placed on the platform, means for swinging the top folding plates over the top of the block, means for swinging the end folding plates against the ends of the block, adhesive applying means carried by one of the top folding plates for applying adhesive between the lapped edges of the sheet on the top of the block, and adhesive applying means carried by the other side folding plate for applying adhesive between the folded portions of the sheet at the ends of the block.

1,027,911
INSET TAP
Ernest Atkinson, Toronto, Ontario, Canada
Application March 23, 1926, Serial No. 13,594
In Canada April 11, 1925
1 Claim. (Cl. 236—46)



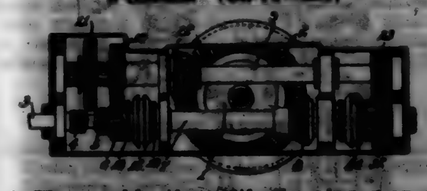
An inset tap comprising, in combination, a cup adapted to be attached to a container, a rim on said cup lying flush with said container, a door closing the cup, sealing means for said door, an air valve in the cup, a dispensing valve casing communicating with the cup, a valve plug in said casing, an extension thereto terminating in a key, a spring holding the valve plug in position in the casing, a pipe communicating with the casing and with the interior of the container, an extensible faucet in said cup communicating with said casing, a passage in the valve plug adapted upon turning of the key to open or close communication between the casing and the faucet for dispensing liquid from the container.

1,027,912
OILING MEANS FOR PLANETARY TRANSMISSION
William B. Barnes, Indianapolis, Ind.
Application August 9, 1933, Serial No. 684,899
6 Claims. (Cl. 192—13)



1. In a device of the character described, the combination with a casing, of a rotating member in said casing including planetary pinions mounted on bearings requiring lubrication, a lubricant conduit extending into each of said bearings and parallel with the axis of said member, an annular ring mounted on said rotating member and overhanging the ends of said bearings, a stationarily mounted shield having a central opening, a flange on said shield surrounding said opening and entering said ring, and means for conveying lubricant picked up by said rotating member within said casing on one side of said shield to the opposite side of said shield, the lubricant thus conveyed flowing through the opening in said shield into said annular ring.

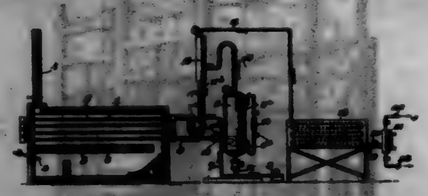
2,027,613
TRANSMISSION
William B. Barnes, Indianapolis, Ind.
Application October 7, 1932, Serial No. 637,562
5 Claims. (Cl. 74—336)



1. The combination with the ring gear of a differential, of a pair of driven shafts, a pinion rotatably mounted on one of said shafts and drivingly engaging said ring gear, a pinion fixed to the other of said shafts, a driving shaft, means for directly connecting said driving and first-mentioned shaft, means for drivingly connecting the pinion thereon with said shaft, two sets of speed-changing gears for driving the second-mentioned shaft and means for drivingly disengaging the pinion on said first-mentioned shaft when the second-mentioned shaft is driven by one of the sets of said speed-changing gears.

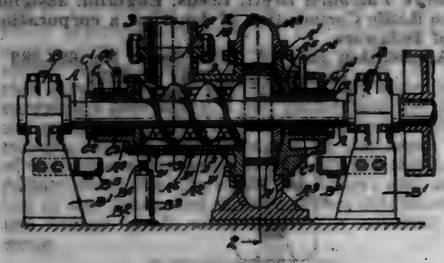
2,027,614
PROCESS FOR MAKING GASOLINE
Otto Dubbs, Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 21, 1932, Serial No. 643,522
In Canada December 1, 1931
26 Claims. (Cl. 196—52)

1. The process of cracking oil which comprises forcing oil through a coil into an enlarged drum under pressure in which a body of liquid oil is maintained at a cracking temperature, raising the oil as it passes through the coil to a decomposing temperature without substantial



cracking and effecting decomposition of the oil in the drum while positively insuring that none of the oil which has remained unvaporized in the cracking drum shall be returned to the heating coil.

2,027,615
PUMP
Walter M. Bell, Chicago, Ill.; Gertrude F. Bell, administratrix of said Walter M. Bell, deceased, assignor to Gertrude F. Bell
Application November 11, 1932, Serial No. 642,157
9 Claims. (Cl. 103—89)

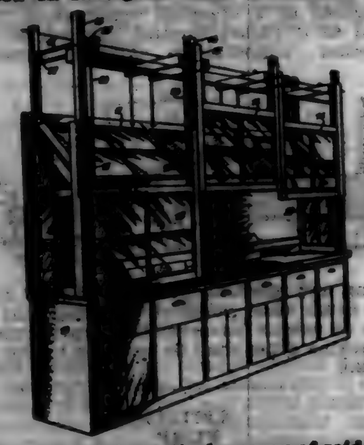


1. In combination, in a pump for pumping liquids containing solid or semi-solid materials, a cylindrical housing having a suction inlet in its side wall and a discharge opening in an end spaced away from the suction inlet, a comminuting rib extending along the internal face of the housing, said rib being spaced away from the side of the suction inlet and extending beyond the same, and a combined comminuting and conveying element rotating in said housing, said suction inlet being located within the length of the combined comminuting and conveying element and the latter being provided with helical blades extending completely around the body thereof, each blade crossing said comminuting rib at several places and at a relatively wide angle, whereby solid and semi-solid materials are comminuted within the confines of the casing, and conveyed from the suction inlet to the discharge opening.

2,027,616
WINDOW CONSTRUCTION
Eugene C. Bingham, Easton, Pa.
Application January 14, 1933, Serial No. 2,005
9 Claims. (Cl. 20—48)

1. A window comprising a sash having guide arms, one at each side thereof, projecting above the upper edge of the sash, a frame having guides projecting downwardly and terminating above the bottom of said window sash when the latter is in its lowermost position, said window sash and upwardly projecting guide arms overlapping

the front surface of said frame guide and tongues mounted on said guide arms and said window



sash extending into vertical grooves of said frame guide.

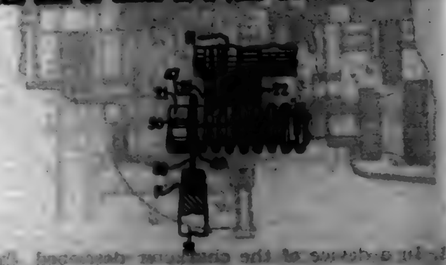
2,027,017
ELECTRICAL OSCILLATION GENERATOR
George Fairburn Brett, Leeds, England, assignor to Radio Corporation of America, a corporation of Delaware
Application July 19, 1932, Serial No. 623,369
In Great Britain July 28, 1931
17 Claims. (Cl. 250—36)



1. An oscillation generator comprising an electron gun or other source of electron beam, a first electrode system situated relatively near said source of electrons and positioned to be adjacent to the beam therefrom, a second electrode system consisting of at least two anodes, means for subjecting the electron beam to a uniform field which is independent of said electrode systems whereby said beam is caused to take a path passing adjacent the first electrode system to the second electrode system, and means operable in dependence upon the occurrence of current flow through an anode as a result of the electron beam striking said anode, for altering the velocity of the electrons in said beam whereby said beam is caused to be incident upon another anode, whereupon the velocity of the electrons is again changed whereby said beam is caused to be again incident upon the first anode.

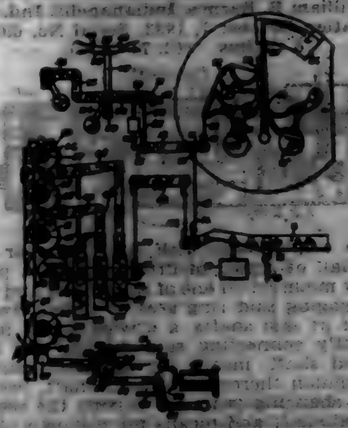
2,027,018
CORRUGATING MACHINE
Louis H. Brinkman, Glen Ridge Borough, N. J.
Application August 4, 1928, Serial No. 681,578
11 Claims. (Cl. 153—73)

1. In a tube corrugating machine, in combination: an annulus; means for supporting and rotating the annulus; groove initiating fingers carried by the annulus, each having a tube engaging end; rolls carried by the annulus; each formed with a corrugation forming portion and a tube advancing portion; a second annulus; means for driving the annuli at slightly different rotative speeds; means carried by the second annulus for advancing the groove initiating fingers into engagement with a tube; and means also carried by the second annulus for rotating the rolls whereby at times the rolls act as forming rolls and at times as a tube advancing roll.



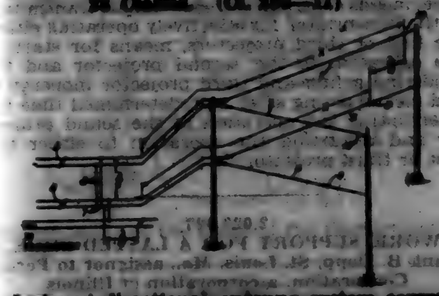
2. A corrugation forming and tube advancing roll comprising spaced ridges at a right angle to the longitudinal axis of the roll for a portion of the periphery of the roll and an integral tube advancing ridge at an angle to the first mentioned ridges for the remaining periphery of the roll.

2,027,019
SCALE
James Warren Bryce, Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 7, 1931, Serial No. 555,715
21 Claims. (Cl. 265—5)



1. In combination with a load carrier and means operated by a load thereon to move away from an initial position, a device for returning said means substantially to a predetermined position, a supplementary scale for detecting when said means reaches the predetermined position, auxiliary mechanism effective for an operation upon return of said means to the predetermined position and means controlled by said supplemental scale for preventing operation of said auxiliary mechanism until the predetermined position is reached.

2,027,020
DIRECTIONAL ANTENNA
Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 15, 1933, Serial No. 689,239
26 Claims. (Cl. 250—11)

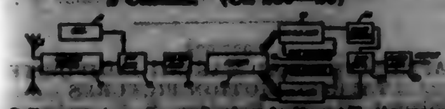


1. A uni-directional antenna system comprising two pairs of diverging conductors extending substantially longitudinally in the direction of desired transmission and placed one above the other, the conductors of one pair having lengths different from those of the second pair, and means for energizing said pairs in phase quadrature relation with respect to each other.

2,027,021
PROCESS OF MANUFACTURE OF DECORATIVELY COLORED ARTICLES
Albert Ester Cleghorn, Brooklyn, N. Y., assignor to Travalex Products Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application February 4, 1933, Serial No. 655,936
4 Claims. (Cl. 106—39)

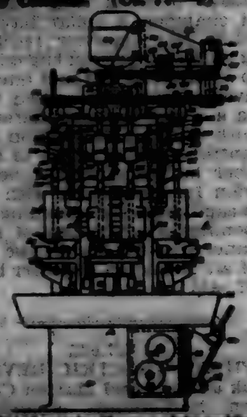
2. The process of manufacture of a decoratively colored plastic magnesia article with a desired decorative color by the addition to the plastic magnesia, magnesium chloride and other ingredients of a metal salt of predetermined amount and of a character both predetermined by the color desired in which said salt dissolves and with which it reacts to give a colored hydroxide or oxide of the metal decoratively coloring the article with the color or shade of color desired.

2,027,022
FADING ELIMINATION
James W. Conklin, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 12, 1934, Serial No. 706,525
3 Claims. (Cl. 250—20)



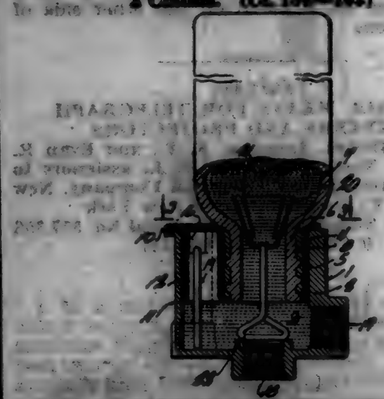
1. In a system for reducing fading effects, means for collecting transmitted modulated carrier energy, means for amplifying the collected energy, automatic control means for regulating the amplitude of the carrier, means for deriving from the amplified energy carrier energy, means for bringing the carrier energy to substantially constant volume despite variations in transmission conditions, means for filtering from the collected energies sideband energies, means for bringing the filtered sideband energies to constant volume despite variations in transmission conditions, means for combining the energies of constant volume, means for detecting the combined energies, and means for translating the detected energies.

2,027,023
MULTIPLE SPINDLE BORING MACHINE
James Coulter, Bridgeport, Conn.
Application September 1, 1933, Serial No. 687,781
9 Claims. (Cl. 77—4)



1. In a multiple spindle machine, the combination of a column, a carrier rotatably mounted thereon, a vertical longitudinal hollow shaft journaled centrally in the column, a driving shaft within the hollow shaft, a motor on the upper end of the column connected to drive the driving shaft, intermediate pulleys, a belt connecting the central drive shaft and intermediate pulleys, vertically reciprocatory slides mounted on the carrier, driving spindles journaled in the slides each carrying a belt pulley, a belt connecting the driving spindle pulleys with one of the intermediate pulleys, change speed gearing in the lower end of the column intermediate the driving shaft and hollow shaft for operating the latter, and gearing in the upper end of the column intermediate the hollow shaft and carrier for rotating the same.

2,027,024
LUBRICATOR
Carl L. Dana, Milwaukee, Wis., assignor, by direct and mesne assignments, of one-half to William F. Dana, Saginaw, Mich., and one-half to L. Ray Smith and Minta A. Smith, Wauwatosa, Wis.
Application October 28, 1932, Serial No. 639,788
3 Claims. (Cl. 184—103)



1. A lubricator comprising a cup having an oil chamber therein, a reservoir receiving opening extending from the top of said cup to said chamber, said cup having a lateral extension formed thereon, spaced vertical openings in said exten-

sion, one of said openings extending from the top of the cup through the bottom thereof, another of said openings extending from the top of said cup to said oil chamber, there being a communicating passage between said vertical openings above said chamber, a collar having a portion fitable within said reservoir receiving opening and having a flanged portion engaging and covering the top of said cup and said lateral extension, and an inverted reservoir united to said collar and having a single opening therein, said collar coacting with said cup to position said reservoir so as to control the level of oil in said chamber, said chamber having an outlet below the level of oil therein for connection with oil well type bearings, a capillary wick extending between said vertical openings whereby one of said openings may be connected with sleeve type bearings, the entrance of air to said oil chamber being through such one of said openings.

2,027,025

PHOTO-ELECTRIC DEVICE

Jan Hendrik de Boer and Marten Cornelis Teves, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware

Application November 20, 1933, Serial No. 698,788
In Germany December 21, 1932
2 Claims. (Cl. 250—27.5)



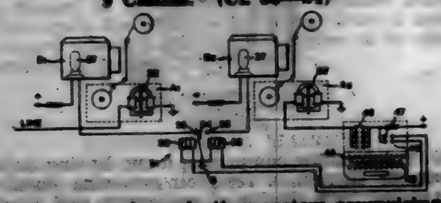
1. A photo-electric device comprising an evacuated envelope, a partition in said envelope, an anode and an alkali metal cathode within said envelope at one side of said partition, and an alkaline earth metal and means for vaporizing said alkaline earth metal on the other side of said partition.

2,027,026

CONTROL MEANS FOR TELEGRAPH PRINTERS AND PROJECTORS

Robert F. Dirkes, Jamaica, N. Y., and Evan R. Wheeler, North Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application November 25, 1931, Serial No. 577,256
9 Claims. (Cl. 88—24)



1. A telegraph projecting system comprising a telegraph printer responsive to code signals to produce a printed record, a screen, a first projector associated with said printer, a second printer controlled by code signals, a second projector for the second printer, a third projector, said projectors being disposed relative to each other so as to illuminate a common area of the screen, means for operating one of said projectors at a time, means controlled by code signals transmitted to the first printer for selectively operating either the first or third projectors, means for starting the operation to the second projector and for rendering a first and third projector inoperative and means acting after a predetermined time for interrupting the operation of the sound projector and restarting the operation to either the first or third projector.

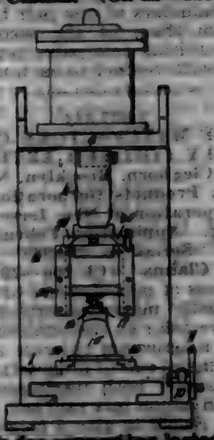
2,027,027

WORK SUPPORT FOR A LASTED SHOE

Frank B. Depp, St. Louis, Mo., assignor to Forma Corporation, a corporation of Illinois

Original application October 24, 1925, Serial No. 64,231. Divided and this application September 21, 1933, Serial No. 690,267

4 Claims. (Cl. 12—123)



1. In a jack for supporting lasted shoes, a hollow base member, a convexed face at the upper end of said base, a head member having a recess in the upper face thereof and open at one end to receive the neck end of a shoe last, said head having its lower face concaved to conform to the convexed face of the base member, and mounted thereon and yieldable connecting means to permit swivel movement of the head upon the base member.

1,027,028

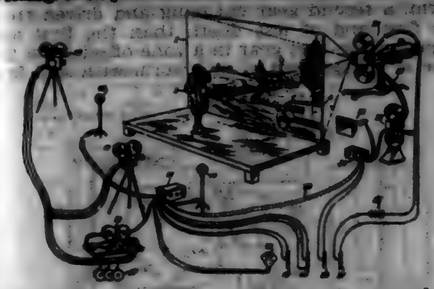
APPARATUS FOR MAKING COMPOSITE TALKING MOTION PICTURES

William L. Dunlap, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application March 1, 1932, Serial No. 596,828

4 Claims. (Cl. 88—16)

Apparatus for producing composite pictures comprising means for receiving projected images, means for supporting objects in predetermined relation to said first means, means for projecting optically rectified uninterrupted background pictures upon said receiving means, means for photographing both the objects and the projected images at a speed independent of the speed of operation of said optically rectifying projecting, means for driving the photographing means at a constant speed, means for driving the optically rectifying projecting means, and means for controlling the speed of the last-named drive means



independently of the speed of the photographing means.

2,027,029

SELF-SPACING SIDING

Clarence R. Eckert, Englewood, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey

Application December 12, 1931, Serial No. 580,559

5 Claims. (Cl. 20—5)



1. A flexible shingle arranged to be laid with other like shingles in overlapping courses and having in one transverse edge an aligning recess provided with a slit extending into the body of the shingle and in the opposite transverse edge a complemental projection provided with a slit extending therefrom into the body of the shingle, the projection of one shingle arranged to enter into the recess of a contiguous shingle in the same course to align the elements in the same course, and the portion of the shingle above the slits arranged to be flexed to engage the upper edge of an underlying shingle to temporarily support the same in desired overlapping relation with respect to the underlying shingle.

1,027,045

THIAZOLINE COMPOUND

Max Engelmann, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 22, 1933, Serial No. 681,051

8 Claims. (Cl. 260—44)

1. A compound of the general formula



wherein the phenyl ring is substituted by at least one substituent which does not neutralize the basicity of the compound or deprive it of its capacity to form a salt with HCl, said compound being characterized by the property of producing local anesthesia.

1,027,051

OXAZOLINE COMPOUND

Max Engelmann, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 12, 1933, Serial No. 684,699

11 Claims. (Cl. 260—44)

1. A 2-arylimino-dihydro-oxazole, wherein the aryl radical is of the benzene series.

2,027,033

SANDWICH TRAY AND THE LIKE

Edward A. Farr, Meriden, Conn., assignor to Manning, Bowman & Co., Meriden, Conn., a corporation of Delaware

Application August 18, 1935, Serial No. 36,155

9 Claims. (Cl. 65—53)



7. A service tray of the character set forth, comprising a pair of tray halves which are pivotally fastened together by hinge elements provided at their inner marginal edges, said hinge elements permitting the folding of the tray halves toward each other in book-like fashion when not in use and a U-shaped handle grip member also pivotally connected to the tray at points adjacent said inner marginal edges and of smaller dimensions than a tray half so as to be contained within the tray halves when the latter are folded towards each other and said tray halves having surfaces engaging the legs of said U-shaped member and rigidly holding the latter in an upright position when the tray halves are unfolded for service.

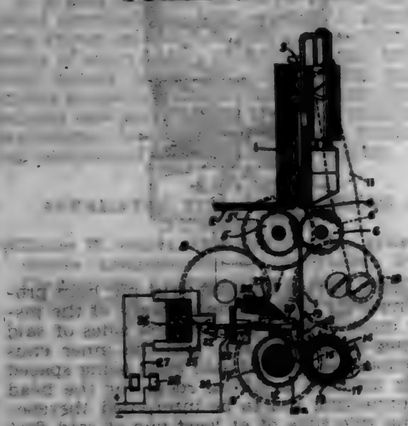
2,027,032

CARD ANALYZING MACHINE

Eugene A. Ford, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application July 26, 1933, Serial No. 682,285

4 Claims. (Cl. 235—58)



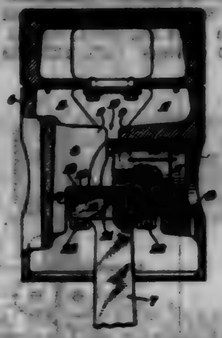
1. In a perforated record sensing machine, a hollow roller having a plurality of rows of perforations therein corresponding to index point positions on records to be analyzed, means for synchronously feeding records and operating said roller, means for supplying compressed air to one row of perforations in the roller at a time during operation, and means operable by air passing through a perforation in the roller and a perforation in the record registering with the roller for controlling operation of the machine.

2,027,024
EDGE-ILLUMINATED SIGN
Thomas J. D. Fuller, Jr., Cambridge, Mass.
Application June 28, 1934, Serial No. 732,896
3 Claims. (Cl. 40—130)



1. An edge illuminated sign comprising a transparent glass panel having a visible symbol on one face, a tubular shaped electric light bulb, a socket for said bulb, means for supporting the glass panel and said socket to hold said socket in engagement with an edge of the glass, the maximum diameter of said bulb being only slightly less than that of said socket to permit the bulb to be inserted in and removed from said socket without engaging the glass, said socket supporting means comprising a pair of rigid spaced members between which an edge of the glass is positioned, and means for holding said socket against said members.

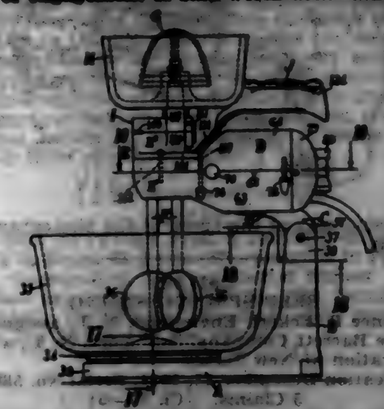
2,027,035
WRIST PIN BEARING CONSTRUCTION
Hewitt A. Gehres, Mount Vernon, Ohio, assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio, a corporation of Ohio
Application January 22, 1930, Serial No. 422,738
5 Claims. (Cl. 308—19)



1. A piston having opposed wrist pin hubs projecting inwardly from the inner walls of the piston, the inner ends of the pressure sides of said hubs being slightly spaced, and the inner ends of the remaining sides of said hubs being spaced a greater distance to afford room for the head of the connecting rod to be interposed therebetween, the side edge of at least one of said first mentioned inner hub ends forming a seat for a wrist pin bushing.

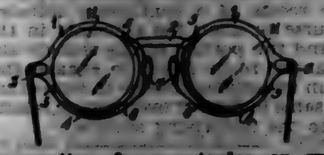
2,027,036
KITCHEN UTILITY DEVICE
Alfred C. Gilbert, North Haven, and Shirley F. Morse, East Haven, Conn., assignors to The A. C. Gilbert Company, New Haven, Conn.
Application January 9, 1934, Serial No. 705,876
14 Claims. (Cl. 259—94)

1. In a device such as described, the combination of a motor having a horizontal shaft, a worm on the motor shaft, a gear engaging and driven from the worm and of greater depth than the worm, a second gear engaging and driven from the first and of less depth than the first and engaging the first gear in a zone offset from the zone of engagement of said worm with said first



gear, a casing surrounding said worm and said gears, agitator devices depending from said casing and driven by said gears, a reamer shaft extending upwardly from said casing and driven by one of said gears, a reamer on the upper end of said reamer shaft, and a power shaft above said casing driven from said reamer shaft.

2,027,037
VENTILATED SPECTACLES OR EYEGLASSES
Ethel Gottlieb, Newark, N. J.
Application January 5, 1933, Serial No. 650,545
2 Claims. (Cl. 88—41)

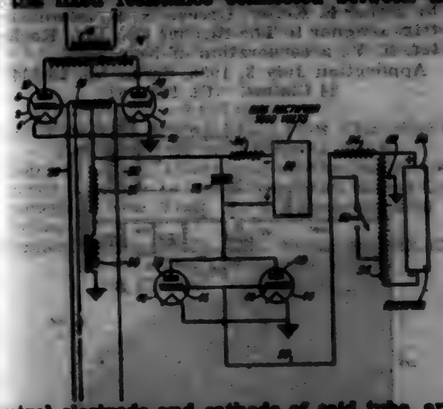


1. A mounting for spectacles or eyeglasses comprising two lens-receiving rims, and a bridge connecting said rims, each of said rims having an arcuate guard therefor to contact with the portions of the face of the wearer closest to the rim when the spectacles or eyeglasses are worn and having only its ends connected to the rim at spaced points circumferentially thereof and its intermediate portions in closely spaced relation and in a plane approximately parallel to the plane of the rim, the guard extending around that portion of the rim to be adjacent the cheek and nose to provide a passage for air between the face of the wearer and lens in said rim and prevent condensation of moisture on the lens, and a nose rest on said guard in contact with the nose of the wearer.

2,027,038
KEYING
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 11, 1932, Serial No. 637,577
8 Claims. (Cl. 250—17)

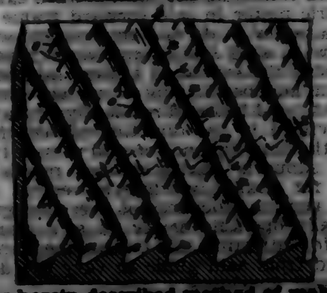
1. In combination, a multi-electrode tube having a control electrode and a cathode, a fixed resistance connected between the control electrode and cathode of said tube, a source of biasing potential, the serial combination of a resistance and condenser connected across said source of

biasing potential, a connection from the junction between said serial resistance and condenser to the fixed resistance connected between the



control electrode and cathode of said tube, and an impedance the value of which may be varied connected between the other side of the condenser and said cathode of said tube.

2,027,039
FILE AND METHOD OF MAKING THE SAME
Paul E. Heller, Newark, N. J.
Application March 31, 1934, Serial No. 718,283
11 Claims. (Cl. 76—24)



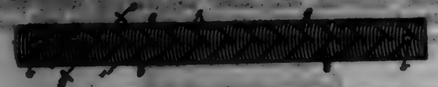
1. The herein described method of making files from the usual blanks consisting first in cutting the blank with overcuts arranged in successive groups and spaced to form each tooth in a group of a different width from that of an adjacent tooth and subsequently upsetting the blank in uniform spaced relation and in cross relation to the overcuts thereby to produce teeth having different elevation of the cutting edges resulting from greater lateral displacement of the metal of the teeth of lesser width in the upcutting operation.

8. As a new article of manufacture, a file formed with a series of successive groups of overcuts, each group consisting of overcuts in spaced relation to form each tooth in the group of a different width from that of an adjacent tooth and having upcuts in cross relation to the overcuts and in uniform spaced relation, and having its teeth of different elevation resulting from lateral displacement of the metal of the teeth of lesser width in the upcutting operation.

2,027,040
CURVED TOOTH FILE
Paul Elias Heller, Newark, N. J.
Application September 26, 1934, Serial No. 745,111
3 Claims. (Cl. 76—24)

As a new article of manufacture, a file formed with transversely extending arcuate cutting teeth

and having relatively widely spaced, angularly disposed grooves dissecting the cutting teeth, said dissecting grooves being arranged in series of parallel grooves at opposite sides of the cutting



face, the respective series being in reverse angular relation and each of the grooves having a length to extend slightly across the longitudinal axis of the file cutting face.

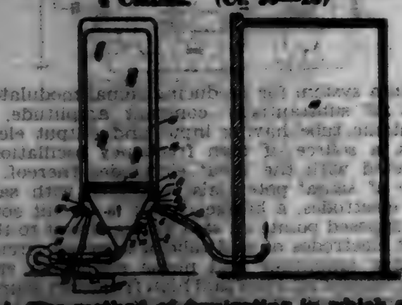
2,027,041
MACHINE FOR REFINING PAPER STOCK AND PULP
Walter H. Hermann and Ludwig H. Wessel, Lancaster, Ohio, assignors to The Hermann Manufacturing Company, Lancaster, Ohio, a corporation of Ohio
Application June 16, 1933, Serial No. 677,044
9 Claims. (Cl. 92—27)



1. In a machine for refining paper stock or the like, a member made up of a plurality of knives disposed in spaced relation, spacer members adapted to be disposed between said knives and adapted to maintain them in spaced relation, and a plurality of lugs or teats disposed at intervals along said knives and projecting from both of the side surfaces of said knives, said lugs or teats being adapted to extend into said spacer members when they are positioned between said knives in order that said spacer members will be securely held in position between said knives, said lugs or teats being of such a nature and so disposed that the spacer members may be driven downwardly between the knives and then longitudinally thereof.

2. A plug liner for an engine of the type indicated comprising a body portion, a plurality of long knives mounted on said body portion, a plurality of short knives mounted on said body portion, spacer blocks for maintaining said long knives in spaced relation, spacer blocks for maintaining said short knives in spaced relation, said last-named blocks having portions which overlap portions of said first-named blocks.

2,027,042
APPARATUS FOR AND METHOD OF FUMIGATING
William W. Hinds, Kansas City, Mo., assignor, by mesne assignments, to Calcyanide Products Corporation, a corporation of New Jersey
Application July 8, 1933, Serial No. 679,520
4 Claims. (Cl. 99—18)



4. The method of fumigating in which a solid substance capable of releasing a fumigating gas

when brought in contact with air is utilized as the source of fumigant, which comprises entraining such a solid substance in a blast of air, conducting the blast of air and entrained solid substance into an enclosure, separating solid particles in said enclosure and conducting the gas freed of solid particles to the place of use.

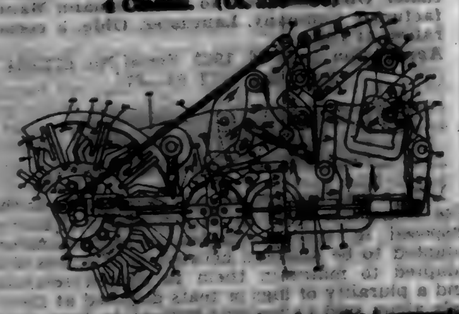
2,027,842

TRANSFER, TRIMMING, AND CLOSING MECHANISMS FOR COMBINATION BAG FORMING MACHINES

Samuel Hirsch and Hans Irmscher, New York, N. Y., assignors to Millic Patent Holding Co., Inc., New York, N. Y., a corporation of New York

Application June 24, 1933, Serial No. 677,268

4 Claims. (Cl. 226—58)



1. A device of the character described comprising a rotatable table, means to move the table in a step by step fashion, a plurality of radial arms fixedly mounted on the table, a movable arm associated with each fixed arm, a lever upon which the movable arm is pivotally mounted, means to urge each movable arm against its respective stationary arm, a plurality of cam surfaces, and means on each movable arm engaging the cam surfaces.

2,027,924

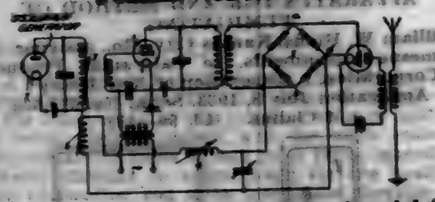
MODULATING BRAND

Rudolf Hofer and Wilhelm Kummerer, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., a corporation of Germany

Application May 12, 1932, Serial No. 611,648

In Germany May 12, 1931

5 Claims. (Cl. 179—171)



1. In a system for producing signal modulated waves of substantially constant amplitude, a thermionic tube having input and output electrodes, a source of high frequency oscillations connected with the input electrodes thereof, a source of signal potentials connected with said input electrodes, a bridge circuit, a circuit coupling opposed points on said bridge circuit to the output electrodes of said tube, a separate circuit including amplitude and phase regulating elements coupled between said high frequency source and another pair of opposed points on said bridge circuit, and a load circuit connected to said bridge circuit.

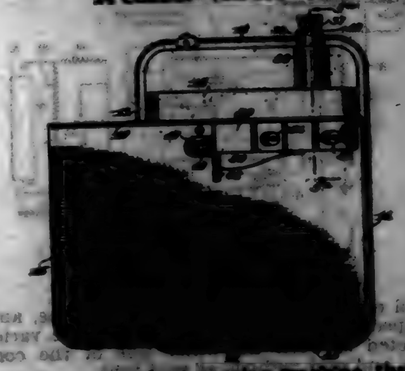
2,027,945

ENVELOPE OPENING MACHINE

Arthur J. Kaiser, deceased, late of Greece, N. Y., by Esther R. Kaiser, Greece, N. Y., administratrix, assignor to The Bircher Co., Inc., Rochester, N. Y., a corporation of New York

Application July 2, 1935, Serial No. 29,704

14 Claims. (Cl. 164—61)



10. In an envelope opening machine, the combination of a frame having forward and rear portions, cutting mechanism on said rear frame portion, an envelope guide, a belt for feeding envelopes along said guide to said mechanism, spaced pulleys supporting said belt and relatively positioned to incline the same toward said guide, an electric motor in said forward frame portion having a pulley in driving engagement with said belt between said spaced pulleys, a presser foot for pressing the envelope against said belt comprising a member having a surface shaped to conform to said belt and resiliently yieldable supports inclined in the direction of feed for supporting the opposite ends of said presser foot, one of said supports having spaced pivotal joints therein, for flexible yielding movement to conform to varying thickness of the envelopes, and a manually operable device on said rear frame portion for adjusting said cutting mechanism toward and from said guide to vary the depth of cut on said envelopes.

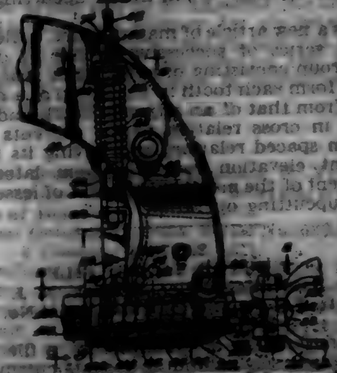
2,027,946

DRAFT APPLIANCE

Joseph Kadow, Chicago, Ill., assignor to Athey Truss Wheel Co., Chicago, Ill., a corporation of Illinois

Original application September 26, 1930, Serial No. 484,682. Divided and this application May 11, 1933, Serial No. 670,901

12 Claims. (Cl. 280—33.9)



3. A draft mechanism, comprising a drawbar having an arched lower end and rigidly mounted on a vehicle and projecting therebeyond, a draft element pivotally secured to said arched lower end, a draw bolt resiliently secured to said draft element, a vertical yoke pivotally secured to said draft element, and resilient means securing said yoke to said drawbar.

2,027,947

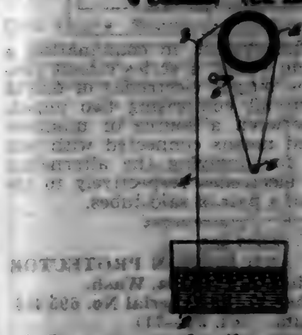
PROCESS AND APPARATUS FOR THE MANUFACTURE OF ARTIFICIAL SILK

Friedrich Lappe, Obernburg-on-the-Main, Germany, assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

Application March 14, 1933, Serial No. 661,421

In Germany October 19, 1932

6 Claims. (Cl. 18—8)



1. In a process for the manufacture of filaments of artificial origin, the steps of extruding the filaments, passing them to and over a take-up means, then to a guiding device, passing them back to the same take-up means and collecting the filaments thereupon.

2,027,948

SHOE FORM

Alfred G. Legge, Brockton, Mass.

Application March 8, 1933, Serial No. 660,969

4 Claims. (Cl. 12—142.5)



1. A shoe form comprising a hollow toe part having its opposite side walls provided with bottom inturned flanges, a cross member connecting said flanges, an arm pivotally secured to one of said flanges and extending inwardly therefrom, a member pivotally secured to the free end of said arm and adapted to extend beneath said cross member, said member having a downwardly extending prong adapted to engage the insole of a shoe and having an intermediate inwardly extending portion adapted to engage said cross member to prevent rearward movement of the form.

2,027,949

WHEELED TOY

Michael Levy, Brooklyn, N. Y.

Application May 18, 1935, Serial No. 22,135

5 Claims. (Cl. 46—201)

1. In a device of the character described, the combination of a body section and a chassis section, a pin on one of the said sections and a seat for the said pin in the other of the said sections, lugs carried by one of the said sections and means on the other of the said sections positioned to engage the said lugs, traction wheels for the said device, axles for the said traction



wheels, and means for attaching the said axles to said device comprising a plurality of leaves extending below the chassis and forming open seats for the said axles, and lugs on the body section positioned to close the said seats and to hold the axles therein.

2,027,950

FLUID OPERATING PROPELLER

William H. Leinweber, Chicago, Ill.

Application April 19, 1933, Serial No. 666,574

2 Claims. (Cl. 170—170)



1. A propeller for acting on fluid, comprising radially extending blades pitched at an increasing angle radially of the propeller, vanes carried thereby and extending therethrough, said vanes having concave faces presented radially outwardly, said vanes on one side of the blade extending more than the full width of the blade and on the other side extending only from that portion near the trailing edge and therebeyond.

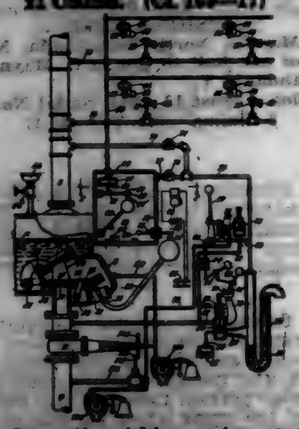
2,027,951

FIRE EXTINGUISHING AND ALARM APPARATUS

Ernest A. Lowe and John B. Hamilton, Cleveland Heights, Ohio, assignors to Automatic Sprinkler Company of America, Cleveland, Ohio, a corporation of Delaware

Application September 18, 1930, Serial No. 482,900

21 Claims. (Cl. 169—17)



1. In a fire extinguishing system, a system of fire extinguishing fluid distributing pipes, release means for supplying fire extinguishing fluid to

said pipes, temperature responsive devices for actuating said release means, said devices including a heat absorbing pressure producing element in a fire zone, an element responsive to pressure changes operatively associated with said release means and with said heat absorbing element and means responsive to a predetermined heat condition for permitting the equalization with atmosphere of any pressure in said elements.

10. The combination with air or gas tubing and a heat collecting chamber connecting therewith for producing increase of pressure in said tubing, of a fuse controlled seal for said chamber adapted to vent the same on the attainment of a predetermined or ultimate temperature.

2,027,852
FRUIT BASKET
William S. Lashell, New York, N. Y.
Application October 12, 1933, Serial No. 693,517
7 Claims. (Cl. 217—124)



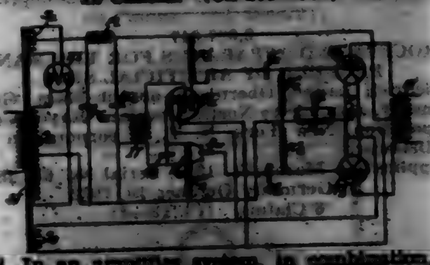
1. In combination, a carton of the type open at the upper end, a detached removable cover adapted to rest upon the upper edges of the sides, and a handle formed substantially in a rectangle open in the center of the lower side and adapted to be sprung open to insert the ends of the lower side in openings in the side walls of the carton positioned just above the base in order that the parts of the said lower side may rest upon the base, the vertical sides of said handle having loops extending inward into openings in the upper edges of the sides of said carton, and additional loops also extending inward positioned above the edges of the sides of the carton upon which the cover may rest to hold the cover above the carton.

2,027,853
FISHING REEL
Hyla F. Maynes, North Tonawanda, N. Y., assignor of one-half to Emma C. Maynes, North Tonawanda, N. Y.
Application August 13, 1934, Serial No. 739,696
2 Claims. (Cl. 242—84.1)



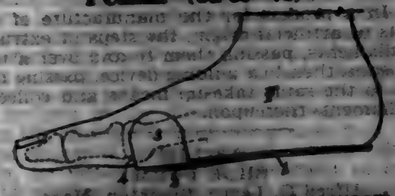
2. In a fishing reel structure, a rotatable reel driving crank having handle portions thereon, handle rollers mounted on the crank portion, said crank and handle portions each having a rounded edge portion facing in the direction of rotation of the crank when the line of the reel is being unwound and each having an opposite edge portion tapering to a relatively narrow extremity.

2,027,854
AMPLIFIER SYSTEMS
Benjamin F. Miessner, Short Hills, N. J., assignor to Miessner Inventions, Inc., Short Hills, N. J., a corporation of New Jersey
Application October 31, 1933, Serial No. 695,195
12 Claims. (Cl. 179—171)



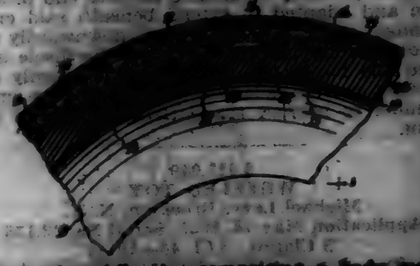
1. In an amplifier system, in combination, a plurality of electron tubes; a series circuit connected between the control electrodes of one of said tubes, said circuit comprising two impedances and therebetween a source of unidirectional current; and means connected with said output electrodes for applying the alternating potentials of said electrodes respectively to the control electrodes of a pair of said tubes.

2,027,855
ARCH SUPPORT AND BUNION PROTECTOR
August Mirella, Tacoma, Wash.
Application October 27, 1933, Serial No. 695,462
1 Claim. (Cl. 36—71)



In a combined metatarsal arch support and bunion protector, an insole member having the contour of the inside of a shoe from the ball to the heel and an extra layer of soft, pliable material attached to the forward end of said member, said layer having a generally convex shape of sufficient extent to fill and support the anterior metatarsal area of the wearer's foot and an integral bunion-protecting shield turned up at its inner side for engaging a small lateral area of the wearer's foot just rearward of the head of the first metatarsal.

2,027,856
AUTOMOBILE TIRE
Morris Mentkoff, New York, N. Y.
Application August 27, 1934, Serial No. 741,648
1 Claim. (Cl. 152—17)



An automobile tire comprising a body member and a sensitive peripheral tread adapted to be

mounted on said body member, the periphery of said body member being provided with spaced-apart cut-out substantially square in outline and arranged in staggered rows about said periphery, said tread members having inward projections of similar outline registering in said cut-outs, each of said projections being provided with a conical suction cup to eliminate the gripping contact between the floors of said cut-outs and said projections and at the same time to provide air cushions between said members, each of said suction cups having a circular peripheral lip enclosing an air space between said lip and the walls of the cut-out.

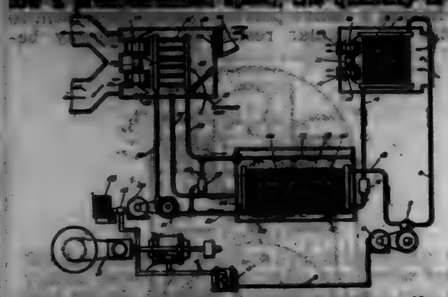
2,027,857
REFRIGERATION
Carl Georg Munters, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application December 6, 1933, Serial No. 701,123
In Germany January 4, 1933
20 Claims. (Cl. 62—119)



20. In absorption refrigeration apparatus having periods of absorption at low pressure alternating with periods of vapor expulsion at higher pressure, the improvement which consists in maintaining the bulk of the absorption liquid cool during both the expulsion periods and the absorption periods and circulating absorption liquid both during the expulsion periods and during the absorption periods due to the lifting action of refrigerant vapor in narrow pipes.

2,027,858
METHOD AND APPARATUS FOR AIR CONDITIONING
Charles E. Munson, New Rochelle, N. Y., assignor to Baldwin Southwark Corporation, a corporation of Delaware
Application September 16, 1933, Serial No. 689,412
9 Claims. (Cl. 62—117)

1. The method of conditioning air for railway cars consisting in operating a refrigeration system during travelling of the car, circulating liquid in heat interchanging contact with said system so as to chill the liquid, causing car air to be cooled by said circulating chilled liquid only during travelling of said car, freezing only a portion of said liquid, and circulating the remaining unfrozen portion thereof whereby the frozen liquid is adapted to keep the circulating liquid chilled at when the car is stopped or running below a predetermined speed, the quantity of circulated cooling medium being less than the total volumetric capacity of the system.



2,027,859
COMBINATION DRIER AND KILN UNIT
Ray C. Northam, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application April 19, 1933, Serial No. 666,254
12 Claims. (Cl. 263—33)



1. A heater of the direct contact hot gas flow type comprising means therein adjacent the material inlet end of said heater for increasing the surface area of contact for the material, means for introducing counter to the gas flow a portion of the material to be heated, and means for introducing in the same direction as the gas flow another portion of the material to be heated.

2,027,860
FINGER RING
Henry A. Niven and Karl Kill, Attleboro, Mass., assignors to L. G. Balfour Company, Attleboro, Mass., a corporation of Massachusetts
Application February 5, 1934, Serial No. 709,835
5 Claims. (Cl. 63—12)

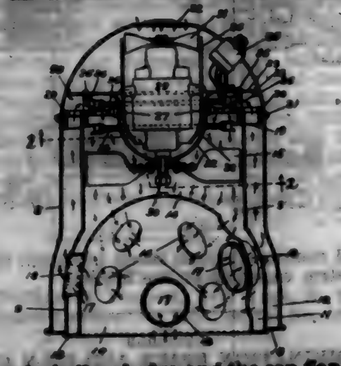


1. A finger ring having a laminated structure comprising a layer of neutral colored metal positioned between layers of highly colored metal, the edge of said neutral colored metal being exposed and polished to provide a reflecting surface.

2,027,861
HAIR DRIER
Reuben A. Olsen, Encinitas, Minn.
Application December 2, 1933, Serial No. 646,329
7 Claims. (Cl. 34—96)

1. In a drier the combination comprising a housing having an apertured hood mounted in one end thereof, a partitioning shell extending from adjacent the base of the housing with its

upper end edge remote from the head, a cup member positioned in the upper end of the shell and having a flange portion spaced therefrom to provide an annular restricted passageway be-



tween such shell end edge and the cap flange portion, and a motor and fan carried by the cup for producing a positive circulation of air inwardly through said restricted opening and thence downwardly to the apertured hood.

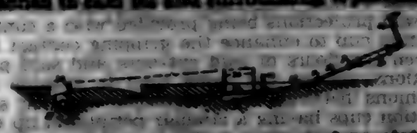
2,027,962
PRESSING IRON
Julius Puretz, Brooklyn, N. Y.
Application December 23, 1933, Serial No. 703,723
1 Claim. (Cl. 38—36)



A base for a flatiron, said base being provided with an inlet bore 11 at its upper portion, and which extends substantially from the butt end of the base to the point thereof, and being located substantially at the median line of said base, said bore 11 communicating at its front end with transverse bores 12 and 14, said transverse bores 12 and 14 communicating with bores 15 and 16 which extend substantially to the butt end of the base, said bores 15 and 16 communicating with transverse bores 17 and 18 adjacent the butt end of the base, the bores 17 and 18 communicating with longitudinal bores 19 and 20 which terminate at substantially the transverse median line of the base, the bores 19 and 20 being connected by means of vertical bores 20 and 21, at substantially said transverse median line, with outlet bores which are located at the lower part of the base, said outlet bores being closed at their ends and having openings which communicate with the bottom face of the iron, the bores which precede the vertical bores 21 and 22 being all located at the upper part of the base.

2,027,963
MACHINE FOR TRENCHLESS BORING
John W. Reifel, Huntington Park, Calif.
Application January 2, 1935, Serial No. 1116
4 Claims. (Cl. 255—58)

1. In a machine of the class described the combination of a tubular body member having stuffing boxes on each end; a perforated pipe rotatably mounted through said body member and said stuffing boxes; a boring bit attached to said perforated pipe by tubular members adapted to rotate with said perforated pipe; a stiffening sleeve attached to said bit and surrounding a portion of



the said tubular members; means for rotating said perforated pipe, the tubular members, the stiffening sleeve and the bit; and means for supplying water to the said bit through said tubular body, the perforated pipe and the tubular connecting members.

2,027,964
ELECTROMAGNETICALLY OPERATED VACUUM SWITCH
Ernst Rosenack, Berlin-Lichterfelde, Germany
Application May 13, 1933, Serial No. 672,436
In Germany August 6, 1931
6 Claims. (Cl. 200—166)

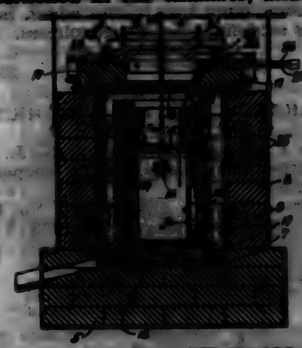


1. An electromagnetically operated vacuum switch comprising a vacuum tight vessel of substantially cylindrical form having a central longitudinal axis, fixed and cooperating movable contacts arranged on said axis, the latter being adapted to move along the same, a cylindrical insulating member arranged with its axis coincident with the axis of said tube and adapted to surround said contacts, a concentric cylindrical magnetic armature of large mass compared to the mass of said movable contact surrounding said insulating member, an anvil fixed to said movable contact and adapted to be struck by said armature, spring means for normally pressing said contacts together and a magnet coil adapted on energization to move said armature rapidly toward said anvil in a direction parallel to the axis of the tube and opposite to the direction of thrust of said pressing means.

2,027,965
METHOD AND APPARATUS FOR HEAT TREATING HIGH SPEED STEEL
Chester B. Sadtler, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application October 15, 1930, Serial No. 488,778
9 Claims. (Cl. 263—11)

1. An apparatus of the character described comprising, in combination, a furnace having a furnace chamber into which the heating medium is admitted around the sides, a refractory bed on

the floor of said chamber, a container of pure nickel positioned in the chamber, and a muffle



surrounding and extending above said container and spaced uniformly therefrom for heating said container uniformly.

2,027,966
SOLID MINERAL ACID DIAZONIUM SALTS AND A PROCESS OF PREPARING THESE
Karl Schmidtmahn, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 29, 1934, Serial No. 733,123. In Germany July 7, 1933
6 Claims. (Cl. 260—69)

1. Solid mineral acid diazonium salts from halogen-4-amino-diphenylethers which salts are easily soluble in water and possess a good stability.

2,027,967
FILTER CIRCUIT
Kurt Schubert, Berlin, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, a corporation of Germany
Application October 24, 1931, Serial No. 570,893
In Germany November 5, 1930
9 Claims. (Cl. 178—44)

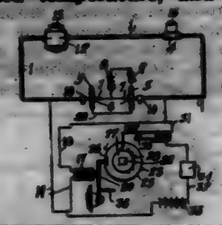


3. Filter circuit means for the suppressing of disturbing high frequency currents comprising an inductive capacitor, said inductive capacitor comprising a pair of conductive strips wound in the form of a reel, a pair of dielectric strips interposed between the conductive strips, the dimensions of the width and the number of turns of said conductive strips and the thickness of the said dielectric layers being determined by having the inductance of the conductive foil higher than the active inter-turn capacity.

2,027,968
FIRE ALARM SYSTEM
William M. Siddall, Jr., East Orange, N. J.
Application September 2, 1932, Serial No. 631,962
12 Claims. (Cl. 177—336)

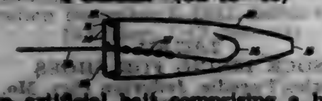
12. In a fire alarm system, means for manifesting signals responsive both to the attainment of predetermined temperature and to more than a predetermined rate of temperature rise, said means comprising "fixed temperature" mech-

anism for altering the conductivity of a normally closed circuit responsive to attainment of a predetermined temperature, and "rate-of-rise"



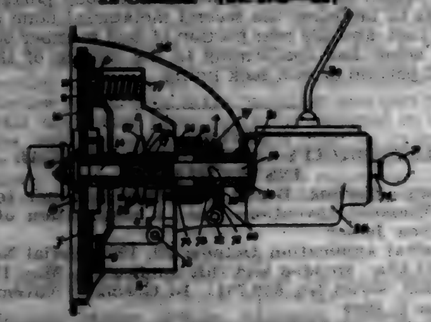
fire detecting mechanism including tubing, which tubing serves as an electrical conductor between said circuit altering mechanism and said signal manifesting means.

2,027,969
ARTIFICIAL BAIT
Wendell L. Stevenson, Brooklyn, N. Y.
Application July 2, 1934, Serial No. 733,539
6 Claims. (Cl. 43—43)



1. An artificial bait comprising a hollow cylindrical head portion containing a perforated front wall, the lateral wall thereof having an annular grooved portion thereon, a flexible, open-ended laterally enclosed envelope, the forward portion thereof being in engagement with said grooved portion, means for securing said terminal portion to said head portion, a hook positioned within said envelope, and a chain anchoring said hook to said front wall.

2,027,970
AUTOMATIC CLUTCH CONTROLLING MECHANISM
Robert Sucsik, Detroit, Mich.
Application October 27, 1933, Serial No. 695,725
12 Claims. (Cl. 192—22)



1. An automatic clutch control for automobiles comprising two springs for storing up energy, a relay with each spring and means for operating one of said relays for disengaging the clutch by the corresponding spring and the other relay for engaging the clutch by the other spring.

2,027,971
THERMOSTATIC ELECTRIC CIRCUIT CONTROL APPARATUS
Wesley Starke Tay, Long Beach, Calif., assignor of one-half to Clarence W. Hoefer, Santa Ana, Calif.
Application December 6, 1932, Serial No. 761,455
1 Claim. (Cl. 200—140)

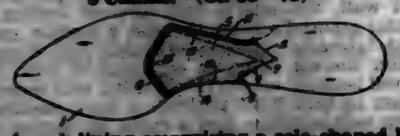
A device of the character described comprising a hollow body member containing a heat respon-

stve fluid, a flexible conduit closed at its outer end secured to and communicating with the interior of said hollow body member, a lever formed of insulating material pivotally mounted on said hollow body member adjacent one end thereof and carrying a contact point at the opposite end to its pivot point, an adjustable screw contact mounted on said body member, a retractile coil



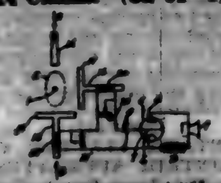
spring secured to said lever and normally urging the contact on said lever into engagement with said screw contact, a Bourdon tube secured and communicating with said hollow body member at one end thereof, a pin having a head slidably mounted in an opening formed in said lever at a point beyond the pivot and screw threadedly engaging a block screwed to the free end of said Bourdon tube, for the purpose set forth.

2,027,972
SOCK LINING FOR SHOES
Charles Tweedie, Jefferson City, Mo.
Application May 27, 1933, Serial No. 673,130
3 Claims. (Cl. 36—71)



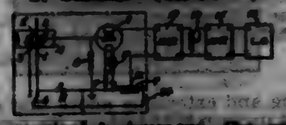
3. A sock lining comprising a sole-shaped body portion having a slit in the rear part of its shank portion, and an arch support member of suede leather with its rough side uppermost extending through said slit, the front end of said arch support member being secured on top of said body portion and being of angle shape with its tip in the region of greatest width of the body portion so as to lie below the second metatarsal bone of the foot, and the rear portion of said member being below and conforming to the outline of the heel portion of said sock lining.

2,027,973
ELECTRICITY-CONTROLLED MUSICAL INSTRUMENT
Oskar Vierling, Berlin, Germany, assignor to Misamer Inventions, Inc., a corporation of New Jersey
Original application October 23, 1931, Serial No. 571,214. Divided and this application May 13, 1933, Serial No. 670,761. In Germany November 2, 1930
14 Claims. (Cl. 84—1)



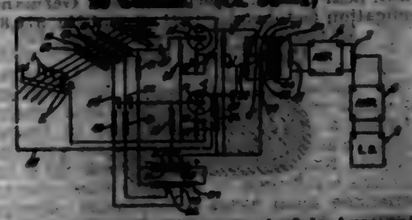
1. In a musical instrument, the combination of a mechanical oscillator; exciting means therefor operable to produce oscillation thereof which comprises initially a component in a single plane only and thereafter components in said plane and in a plane normal thereto; and mechanico-electric translating apparatus having a plurality of surface portions in spaced relationship to said oscillator to be inductively influenced thereby, said portions lying in a plane which is inclined to each of said first mentioned planes.

2,027,974
APPARATUS FOR THE PRODUCTION OF MUSIC
Benjamin F. Miessner, Millburn, N. J., assignor to Miessner Inventions, Inc., a corporation of New Jersey
Application June 1, 1932, Serial No. 616,594
Renewed August 26, 1935
17 Claims. (Cl. 84—1)



8. In a musical instrument, the combination of a relatively stationary member; a tuned vibrator in spaced relation thereto and means for vibrating said vibrator in a plane substantially parallel to the portion of said member nearest said vibrator, the mean position of said vibrator in the direction of its vibration being asymmetrical with respect to the extent of said portion in said direction; and means associated with said member for producing electric oscillations in accordance with vibratory variations in the relative positions of said vibrator and said member.

2,027,975
METHOD AND APPARATUS FOR THE PRODUCTION OF MUSIC
Charles T. Jacobs, New Providence Township, Union County, N. J., assignor to Miessner Inventions, Inc., a corporation of New Jersey
Application November 9, 1932, Serial No. 642,426
Renewed September 3, 1935
20 Claims. (Cl. 84—1)

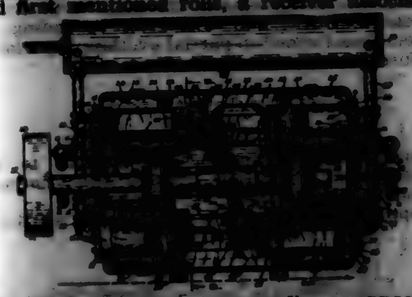


1. In combination in a musical instrument: a plurality of capacities; means for oscillatorily varying said capacities; means for charging said capacities; means for limiting changes of charges in said capacities by said oscillatory variations; means responsive to oscillatory voltages across all of said capacities; and progressively adjustable means for varying the amplitudes and signs of the mean charges in said capacities.

2,027,976
AIR COMPRESSING DEVICE
Joseph Vollmann, San Francisco, Calif.
Application July 24, 1934, Serial No. 736,969
5 Claims. (Cl. 230—226)

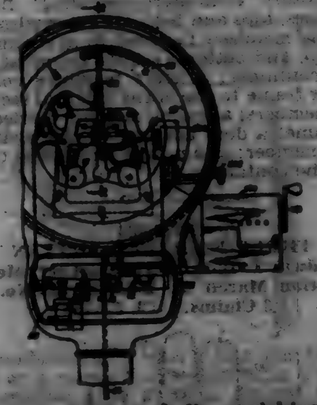
1. A compressor of the class described, embodying, in combination, a plurality of opposed alternate low and high compression cylinders, pistons arranged in said cylinders, rectangularly shaped piston rods connecting said pistons for unitary action, anti-friction rollers carried by said rods, said anti-friction rollers arranged to guide said

rectangular shaped rods, a driving shaft, a disc cam obliquely and integrally mounted on said shaft, and having track-ways operable between said first mentioned rolls, a receiver associated



with the compressor, by-pass lines connecting certain low and high compression cylinders, and lines leading from certain of said cylinders to said receiver.

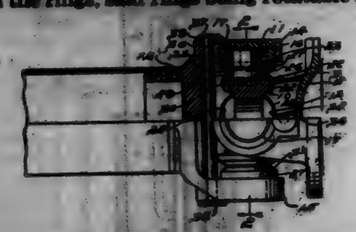
2,027,977
SCALE
Edward J. Von Pein, Dayton, Ohio, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 5, 1931, Serial No. 506,650
23 Claims. (Cl. 265—5)



24. In a machine including weighing mechanism, the combination of a series of electrical control circuits, devices controlled by said circuits, a conductive feeler common to all said circuits and variably displaceable by said weighing mechanism in accordance with the load, a plurality of conductive members each in a different one of said circuits and each selected by the feeler in accordance with a different load position of the feeler, a movable mounting for said plurality of conductive members, and a device for moving said plurality of members on their mounting bodily towards said feeler to effect engagement of the feeler with the conductive member selected thereby to correspondingly select one of the control circuits for operation.

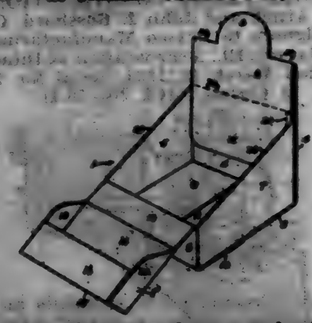
2,027,978
UNIVERSAL JOINT
Archibald A. Warner, Royal Oak, Mich., assignor to The Universal Products Company, Inc., a corporation of Delaware
Application September 22, 1932, Serial No. 634,294
11 Claims. (Cl. 64—17)

1. In a universal joint, an oscillatory trunnion, a bearing cup for the trunnion, rings releasably fitted on the cup and trunnion respectively adjacent the open end of the cup, and rubber between the rings, said rings being rotatable respec-



tively with the cup and trunnion, and the rubber being under compression and bonded to one of the rings.

2,027,979
KNOCKDOWN DUAL DISPLAY CONTAINER
Arthur J. Weiss, St. Albans, N. Y., assignor to Robert Gair Company, Inc., New York, N. Y., a corporation of Delaware
Application December 6, 1932, Serial No. 791,691
10 Claims. (Cl. 206—44)



1. A display box made from one sheet of paperboard comprising a main container having a rear wall and a relatively low front wall, said container having an open top; a relatively movable container having a high rear wall and a relatively low front wall, said latter container also having an open top; a hinge panel connecting the low wall of said main container and said high wall, said panel being vertically disposed so that the two last mentioned walls may be engaged to render the open tops continuous, and a cover panel continuous with the first mentioned rear wall and extensible over both of the open tops.

2,027,980
PERCUSSIVE TOOL SUCH AS HAMMERS AND PILE DRIVERS
Duncan Marler Wilson, Smithills, Bolton, England, assignor of one-half to The British Steel Piling Company, Limited, London, England
Application May 9, 1934, Serial No. 724,747
In Great Britain March 12, 1933
4 Claims. (Cl. 121—7)

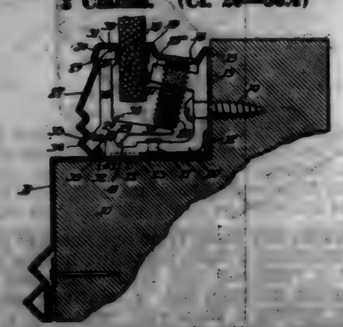
1. Improved percussive tool such as a hammer or pile driver of the kind referred to, comprising an anvil, a rod secured at its lower end to the anvil and having at its upper end a pumping piston, said rod supporting at its upper end in a non-rigid manner to allow of relative displacement a second pumping piston having secured thereto a power piston, means to supply air to the space between the two pumping pistons when separated, said air being compressed by the return of said pumping pistons, said air being sup-

plied under pressure for scavenging the power cylinder of the products of combustion and means



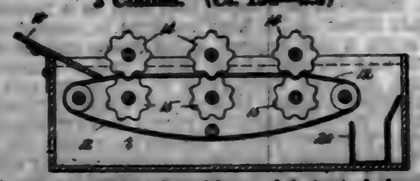
for supplying a fresh combustible mixture into the said cylinder.

2,027,061
STORE FRONT CONSTRUCTION
Purdy E. Attick and John J. Bombard, Chicago, Ill., assignors to Brasco Manufacturing Company, Harvey, Ill., a corporation of Illinois
Application March 19, 1934, Serial No. 716,292
3 Claims. (Cl. 20—56.4)



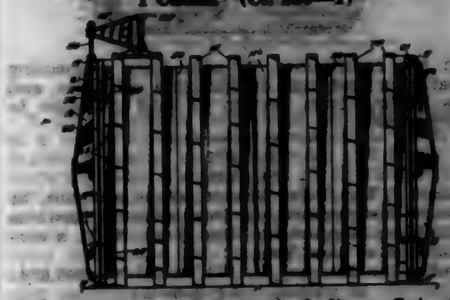
1. A store front construction, comprising in combination a fixed inner glass pane engaging member, an anchoring member having a projecting end portion mounted therein, having an outwardly inclined face, an outer movable glass pane engaging member having a channel formed therein along its base, a lever having a portion thereof in said channel and having a projection thereon adapted to engage said anchoring member, the engaging portion of said projection having a face parallel with the inclined face on the anchoring member, and means whereby said lever is actuated.

2,027,062
METHOD FOR PRODUCING MICA PRODUCTS
Francis Clarke Atwood, Newton, Mass.
Application October 28, 1933, Serial No. 695,263
3 Claims. (Cl. 154—3.6)



1. The method of making a fabricated sheet of mica which consists in flexing a body of mica in a bath of water containing an adhesive, whereby the water and adhesive is caused to work in between the laminations of the mica, thus separating the laminations of the mica to form thin sheets of mica, and thereafter spreading the sheets thus formed in partial overlapping relation to form the fabricated sheet.

2,027,063
CONTAINER
John M. Beer, Chicago, Ill., assignor to The Gearldite Corporation, Chicago, Ill., a corporation of Illinois
Application February 1, 1935, Serial No. 6,504
1 Claim. (Cl. 220—1)



A pressure container, including: flat sheet metal sides, top, and bottom; external rectangular frame members fastened to said sheet metal sides, top, and bottom; a door frame at one end of the container; bracing members connecting said door frame to one of the external rectangular frame members; a sealing member carried by said door frame; a door adapted to seat against said sealing member; and means for closing the other end of the container.

2,027,064
THREE FINGERED MITTEN
Edwin T. Bashin, Kansas City, Mo.
Application March 26, 1935, Serial No. 12,760
2 Claims. (Cl. 2—158)

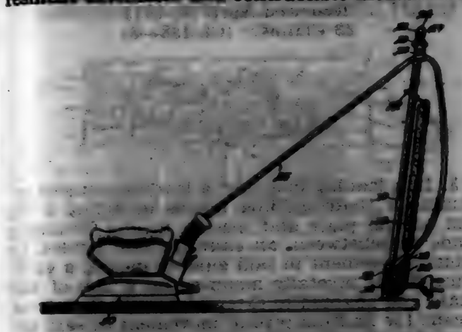


1. A hand covering of the character described comprising a body portion having finger pockets and a thumb pocket, and an insert finger pocket arranged between the first mentioned finger pockets and formed from two finger sections sewed together and to said first-mentioned finger pockets, the rear portion of the sides of each insert finger section extending outwardly in opposite directions in the form of reverse curves to provide a much greater width than exists at the front end of the section.

2,027,065
CORD HOLDER
Maurice L. Brashears, Washington, D. C.
Application March 4, 1935, Serial No. 9,269
13 Claims. (Cl. 248—61)

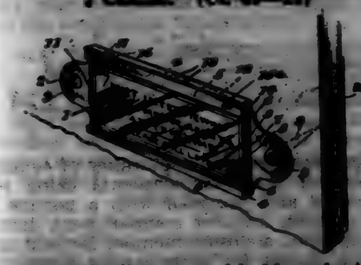
1. A cord holder comprising a cord supporting standard normally arranged in an upright posi-

tion and provided at its lower end with a pivotal joint to permit the standard to swing downwardly and upwardly, means for yieldably maintaining the standard in an upright position and for urging it toward such position, including a resilient extensible and contractible member dis-



posed longitudinally of the standard and connected at its upper end to said standard above the lower end thereof, and means for anchoring the other end of the resilient member so that said member will swing with the standard without materially varying its tension thereon.

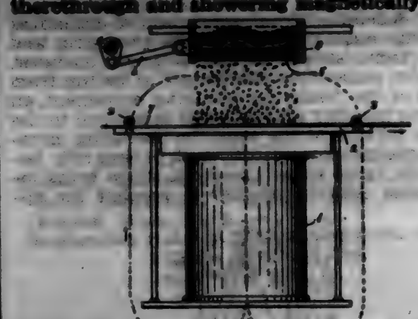
2,027,066
REVERSIBLE NAME PLATE AND HOLDER
Andrew C. Breakey, Mount Morris, Mich.
Application July 12, 1935, Serial No. 31,452
7 Claims. (Cl. 40—16)



6. In combination, a card holder adapted to be mounted on a support and comprising a member having opposite edge portions flanged to form opposed parallel guide slots; the said plate having joggled portions adjacent the slots to offset the guides from the plane of the member; a reversible name plate in said slots comprising a plate bearing indicia on one face, an indicia bearing member against the opposite face of the plate, a transparent member against the indicia bearing member; opposite edges of the plate being rolled over the edges of the transparent member; means for limiting the entry of the plate in the slots; and means for locking the plate in the slots.

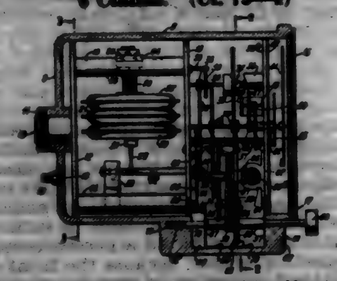
2,027,067
ABRASIVE SHEET AND PROCESS OF MAKING THE SAME
Orello S. Buckner, Westboro, Mass., assignor to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts
Application October 2, 1928, Serial No. 310,858
3 Claims. (Cl. 91—68)

1. The method of making sutrible sheets which consists in placing a sheet having an adhesive surface in a magnetic field, so that the lines of force pass approximately perpendicularly



therethrough and showering magnetically coated elongated grains of abrasive material onto said surface.

2,027,068
ALTIMETER
Victor E. Carbonara, Rockville Centre, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 26, 1932, Serial No. 606,504
6 Claims. (Cl. 73—4)

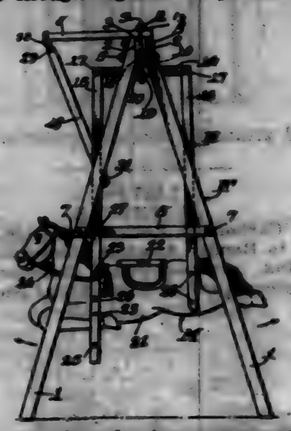


6. In an altimeter, the combination of pointer means, scale means, a pressure sensitive device, transmission means including a shaft having a one-way clutch thereon for operating said pointer means by said device, said one-way clutch including a gear mounted on said shaft and having a hub provided with a transverse opening adjacent said gear for exposing said shaft, and a spring secured to said gear and formed to provide a pair of fingers one of which is seated in said opening to engage said shaft and the other of which engages the exterior of the hub on the opposite side of said opening, means for causing relative movement between said pointer means and said scale means for setting the altimeter to a predetermined altitude or barometric pressure so that said pointer means will give a desired indication when said altitude or barometric pressure is reached, said last-named means comprising another transmission means separate from but interconnected with said transmission means through said clutch whereby relative movement is effected between the first transmission means and the pointer means during setting but unitary movement while indicating, and means simultaneously operable with said setting means for indicating the predetermined altitude or barometric pressure for which the altimeter has been set.

2,027,069
SWING
Marshall L. Carraway, Malvern, Ark.
Application January 25, 1935, Serial No. 2,519
1 Claim. (Cl. 155—42)

A swing comprising a frame, a forwardly presented arm carried by the top of the frame, a

hanger of inverted U-shape and comprising a pair of depending front strips and a depending rear strip, means secured to the rear strip and to the front strips for carrying an operator, means for suspending the hanger at its top from the top of the frame for swinging movement, an operating member pivoted at its upper end to the forward portion of the arm, the operating member extending downwardly and backwardly between the front strips, the front strips being located close enough together to prevent the op-



erating member from having any appreciable lateral swinging movement, and a handle on the operating member and slidable up and down on the rear edges of the front strips when the hanger is in motion and when the operating member is not in use, the handle being kept in such a position that it is accessible to a person occupying the first specified means, because the front strips limit the lateral movement of the operating member and because the handle is engaged with the rear edges of the front strips.

2,027,690

MEANS AND METHOD FOR DISPERSING MATTER IN MANUFACTURED MATERIAL

William W. Carter, Needham, Mass., assignor to Brayton Merton, Fall River, Mass., trustee

Application June 28, 1932, Serial No. 619,524

Renewed March 5, 1934

15 Claims. (Cl. 92—21)



1. The method of incorporating added material in dispersed condition throughout a fibrous product of manufacture which consists in first attaching separated particles of the added material with fibers, so that ends of fibers project from such particles, mixing said fibers and attached particles of added material with the fibers of the main manufacture in liquid suspension and separating the liquid vehicle from the mass of mixed fibers so that the fibers which carry attached particles become felted with the fibers of the main mixture.

15. A paper manufacture comprising intermingled fibers substantially free from attached masses or films of added substances, and other fibers intertwined with the first named fibers and having in attached connection with them particles of added material encysted in colloidal envelopes.

2,027,691

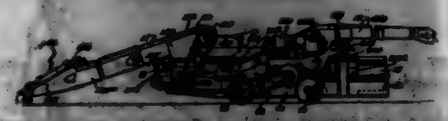
LOADING MACHINE

Frank Carlsten, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application August 6, 1930, Serial No. 473,791

Renewed April 26, 1935

22 Claims. (Cl. 198—4)



3. In a loading machine, a loading element including a chain guiding means including a top and bottom plate and spacing means forming a guide therebetween, an endless chain guided for orbital movement in said guiding means, a gathering finger pivotally mounted on a link of said chain and adapted to extend laterally therefrom, means for limiting pivotal movement of said finger, said finger having an forwardly extending portion overlapping said top plate for clearing material from the same.

2,027,692

CONDENSATION RECEPTACLE FOR REFRIGERATORS

Alvis Yates Dowell, Hastings-on-Hudson, N. Y., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application October 1, 1932, Serial No. 635,713

13 Claims. (Cl. 62—141)



1. A receptacle having a plurality of compartments, one of said compartments being completely closed and provided with a portion extending through another compartment defining a filling opening, a closure member for said opening, and a faucet for withdrawing liquid from said compartment, both of said compartments being constructed to contain a substantial body of liquid whereby heat transfer is provided between liquid contained in said compartment having the filling opening extending therethrough and another compartment.

2,027,693

DEODORIZED CALCIUM CHLORIDE

Charles R. Downs, Old Greenwich, Conn., assignor to Weiss and Downs, Inc., New York, N. Y., a corporation of New York

No Drawing. Application November 15, 1932, Serial No. 642,123

19 Claims. (Cl. 183—4)

5. The method of dehumidifying air, which comprises causing the air to flow in contact with a deliquescent material and with a solid deodorant, and progressively exposing fresh portions of the deodorant for contact with the air at a rate proportional to the rate of consumption of the deliquescent material.

9. As an article of manufacture for use in air conditioning apparatus, preformed humps consisting of solid calcium chloride and finely divided activated carbon distributed within the lump and held thereby.

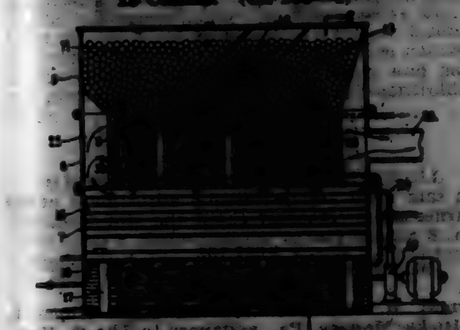
2,027,694

METHOD AND APPARATUS FOR DEHUMIDIFYING AIR

Charles R. Downs, Old Greenwich, Conn., assignor to Weiss and Downs, Inc., New York, N. Y., a corporation of New York

Application April 6, 1934, Serial No. 719,968

15 Claims. (Cl. 183—4)



14. The method of dehumidifying air which comprises passing the air through a drying zone in contact with a solution of calcium chloride and thereafter through the body of a bed of solid calcium chloride constituting a second drying zone, draining the calcium chloride solution formed by deliquescence from the solid calcium chlorides into the liquid zone through openings in the bottom of the second drying zone and applying heat at said openings of said second drying zone to maintain the draining solution above the congealing temperature.

2,027,695

COATING COMPOSITION

Earl D. Flood and John A. Hannum, Cleveland Heights, Ohio, assignors to The Flood Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application December 17, 1931, Serial No. 581,776

7 Claims. (Cl. 134—68)

A wood-filling composition, comprising an aqueous vehicle, a predominant proportion of finely-divided mineral filler, and small proportions respectively of cellulose acetate, rubber latex, a dryer, oil, and crystalline sodium salicylate.

2,027,696

UTILITY LIGHT AND TEST LAMP

Alfred L. Ehammer, Boston, Mass.

Application May 3, 1934, Serial No. 723,743

3 Claims. (Cl. 175—183)



1. In a utility lamp including a light bulb, a dry cell, and an enclosing housing forming a part of the electric circuit therebetween, bus bars insulated within the housing and respectively in engagement with the positive and negative poles of the dry cell and with the positive terminal of the light bulb; a switch in the housing adapted to close the circuit between the housing and the negative bus bar; insulated terminals extending from each bus bar through the housing, and adapted to be engaged by apparatus to be tested, to close the circuit through the bus bars independent of the switch.

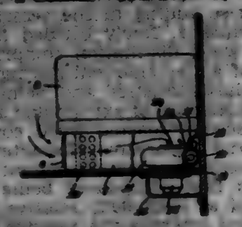
2,027,697

AIR CONDITIONING SYSTEM

Milton E. Hansen, Collingswood, N. J., assignor to B. F. Sturtevant Company, Inc., Hyde Park, Boston, Mass.

Application October 2, 1934, Serial No. 746,617

1 Claim. (Cl. 257—9)



Air conditioning apparatus for a railway passenger car, comprising a pair of air conditioning units, one of said units being mounted completely under a seat and in one corner of one end of said car, and the other of said units being mounted completely under a seat in the opposite corner of the same end of said car, said units having recirculated air inlets facing the aisle of said car and placed opposite each other, a fan, and a heat exchange surface within each of said units, a pair of longitudinal distribution ducts arranged along the floor line, each along one longitudinal side of said car, and a discharge outlet in each of said units connected each to one of said ducts.

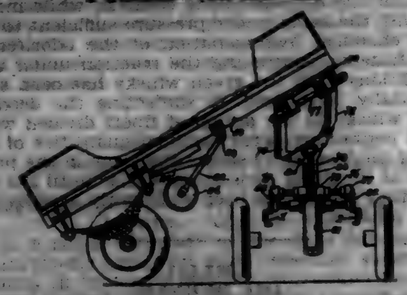
2,027,698

HOIST FOR SEMITRAILERS

Harry W. Holton, Detroit, Mich., assignor to Highway Trailer Company, Edgerton, Wis., a corporation of Wisconsin

Application April 8, 1932, Serial No. 603,943

8 Claims. (Cl. 212—35)



1. In combination, a tractor, a semi-trailer, a separable fifth wheel including a part on the tractor and a part on the trailer engageable and disengageable by relative substantially horizontal movement, and hoisting mechanism on the tractor including an arm fulcrumed on the tractor frame ahead of said fifth wheel and having its opposite end branched for engaging said fifth wheel at opposite sides, such engagement comprising pivotal connection between the lower fifth wheel and the branches of the arm at a transverse horizontal axis, the forward end of the arm being fulcrumed upon a parallel horizontal axis, and being also swivelly connected for twist-

ing movement about an axis at right angles to said fulcrum axis substantially in the plane of its said branches.

2,027,099
AGING OF WHISKEY
Carroll A. Hochwalt and William H. Carmody, Dayton, Ohio, assignors, by mesne assignments, to Nelson S. Talbott, Dayton, Ohio
No Drawing. Application August 26, 1933, Serial No. 687,515
1 Claim. (Cl. 99—78)

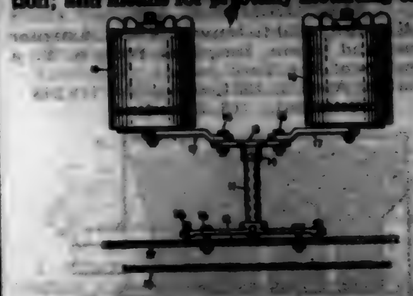
In the art of aging green whiskey, the steps, which comprise adding to the vessel containing the green whiskey, finely divided heat treated products of wood distillation comprising a first component of active charcoal having substantial absorptive characteristics and being free from substantial quantities of extractable alcohol solubles and a second roasted wood component of less active and absorptive character, but containing a relatively greater amount of alcohol solubles, said first component being present in an amount of at least 30% relative to the second component whereby the relative proportions are maintained so that the first component absorbs the odoriferous substances from the green whiskey while the alcohol soluble content of the minor second component rapidly imparts the necessary taste, body and odor to the whiskey, and heating the whiskey in the presence of said components.

2,027,100
METHOD OF AGING WHISKEY
Carroll A. Hochwalt, Dayton, Ohio, and Charles A. Thomas, Wayne, Pa., assignors, by mesne assignments, to Nelson S. Talbott, Dayton, Ohio
No Drawing. Application December 19, 1933, Serial No. 703,154. Renewed June 15, 1935
3 Claims. (Cl. 99—78)

1. The method of chemically deodorizing and of aging green whisky which comprises the steps of distributing a finely divided hydrogenating catalyst in a body of green whisky, in deodorizing the green whisky by reacting the odoriferous constituents of the whisky with hydrogen in the presence of the hydrogenating catalyst, while maintaining the same under pressure sufficient to effect chemical hydrogenation of the odoriferous constituents, continuing the reaction under said conditions until the green whisky has been substantially deodorized, in subjecting the deodorized whisky to the action of finely divided wood char containing predetermined quantities of alcohol solubles, and heating the same in the presence of the finely divided wood char until the deodorized whisky has been sufficiently aged by the said solubles.

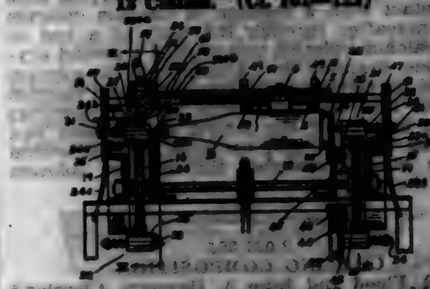
2,027,101
OIL BURNER
Leslie W. Holmes, Stratford, Conn., assignor to Oronoque Oil Burner Corporation, New York, N. Y., a corporation of Delaware
Application October 24, 1933, Serial No. 695,931
14 Claims. (Cl. 158—36)

1. In an oil burner having a plurality of burner units, a standard adapted to be secured on a supporting surface; a head mounted on said standard common to said plurality of burner units; a plurality of arms extending outwardly from said head, one for each burner, each of said arms having an elongated slot extending longitudinally thereof; means engaging said slot at any point therealong for adjustably securing a burner unit to the arm in desired position; and means for pivotally mounting each arm



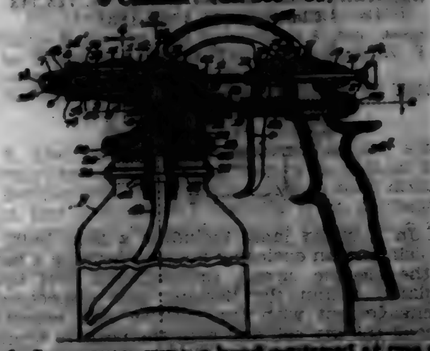
on said head and permitting adjustment of the burner units rotatably about the standard.

2,027,102
METHOD OF AND APPARATUS FOR STENCILING
Ernest M. Hommel, Pittsburgh, and Elmer L. Hicks, Monaca, Pa., assignors to The O. Hommel Company, a corporation of Pennsylvania
Application August 1, 1933, Serial No. 682,142
13 Claims. (Cl. 101—123)



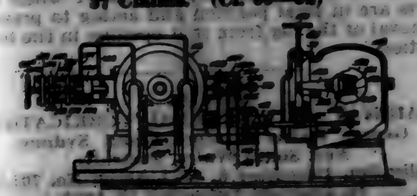
1. In a stenciling machine, the combination of a stencil screen impervious in main and pervious in pattern, a squeegee device movable across one face of the screen, means for rolling round objects across the opposite face of the screen, and means for automatically moving said squeegee device in synchronism with the advance of said objects.

2,027,103
SPRAYING DEVICE
Gustaf E. Johnson and Gilbert Lowenberg, Chicago, Ill., assignors to Metal Specialties Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 17, 1930, Serial No. 496,290
5 Claims. (Cl. 299—39)



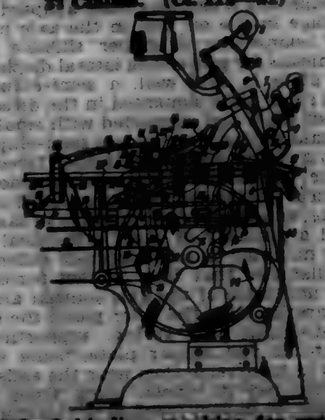
1. In a spray-gun: a head equipped at one side with a nozzle; a handle at the opposite side spaced from said head; a bridge piece connecting the upper portion of the handle to the upper portion of said head; a lateral air inlet connected with said head and communicating with an air passage leading to the nozzle; a liquid-passage in said head leading to the nozzle; a liquid-passage leading from the lower side of the head and communicating with the liquid-passage leading to the nozzle; an upper liquid-controlling valve and a lower air-controlling valve; and a trigger depending from said bridge having lost-motion connections with the liquid-controlling valve and having pivotal connection with the air-controlling valve.

2,027,104
HYDRAULIC DEVICE FOR OIL WELL PUMPING
Martin Kahr and John S. Kahr, Milwaukee, Wis.; said John S. Kahr assignor to said Martin Kahr
Application June 29, 1931, Serial No. 547,482
27 Claims. (Cl. 60—52)



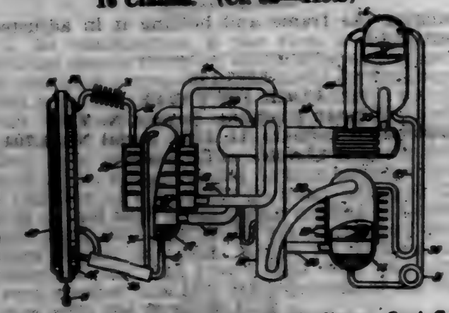
1. In an hydraulic power transmission system, a cylinder provided with a reciprocating piston, a pump for delivering fluid to the piston, means synchronized with the pump for operating the piston in a positive cyclic movement, said means including a system of levers associated with the pump for controlling the length of stroke of the piston, and means for shifting the fulcrum of said levers whereby to vary the capacity and flow from the pump and the stroke of the piston between zero and maximum position.

2,027,105
MECHANISM FOR SEPARATING THE BOOKS OF AN INTERCONNECTED BOOK-PAD
Oscar Kleinschmit and Oskar Muller, Leipzig-Plagwitz, Germany, assignors to Gebruder Brehmer, Leipzig-Plagwitz, Germany, a limited partnership of Germany
Application October 21, 1931, Serial No. 570,246
In Germany November 25, 1930
27 Claims. (Cl. 112—21)



27. A book-binding machine for producing a continuously stitched multi-book block each book of which has attached thereto at least one backing strip which is free of the adjacent books, comprising a stitching head, means for guiding a continuous backing strip into a position to be stitched, a swinging sheet carrier for bringing the closed edge of a folded sheet into a position to have stitches inserted into the closed edge by said stitching head and thereby be attached to said backing strip alongside of a previously attached sheet in book formation, and means for mechanically severing the backing strip between groups of assembled stitched sheets to form individual books.

2,027,106
ABSORPTION REFRIGERATING APPARATUS
Donald Branch Knight, Brooklyn, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application June 20, 1932, Serial No. 618,102
16 Claims. (Cl. 62—119.5)

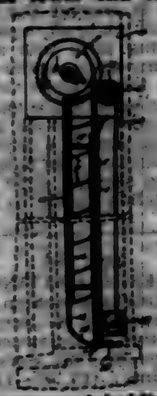


1. A refrigerating system including a first fluid circuit comprising a first evaporator and a first absorber interconnected for the circulation of gas therebetween, a second fluid circuit comprising a second evaporator and a second absorber also interconnected for the circulation of gas therebetween, said second absorber and said first evaporator being in heat exchange relation, a generator adapted to contain a solution of a refrigerant in an absorption liquid, a condenser connected to receive refrigerant vapor from said generator and discharge liquid into first said evaporator, means for circulating weak absorption liquid from said generator through said second absorber, and means for circulating absorption liquid through and between said second evaporator and said first absorber.

2,027,107
ROLLER SHADE
Herman H. Keller and Wilfred G. Dery, Amsterdam, N. Y.
Application February 28, 1935, Serial No. 7,425
1 Claim. (Cl. 156—17)

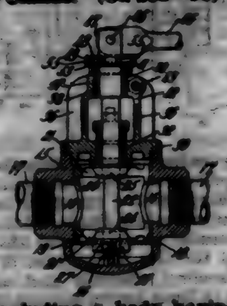
In a shade structure of the class described, a transversely arranged shaft rotatably supported, drums on the shaft adjacent the ends thereof, a chain having one end connected to each drum, arcuate-shaped slats, a rod connected to one edge of each slat, the ends of the rods being connected to spaced links of the chains, guideways for the chains, a second shaft rotatably supported, gears connecting the two shafts together, and a strap connected to the second shaft and so wound on the second shaft that a pull upon the strap will cause the gears to rotate the first shaft in an opposite direction from the second shaft to wind the chains and slats upon the drums, a frame having portions contacting the free edges of the slats, means for supporting the frame for swinging movement, and a manually-operated lever

connected to the lower end of the frame for



swinging the frame and holding it in adjusted position.

2,027,166
COCK OR VALVE
Herman Kuebling, Snyder, N. Y.
Application January 14, 1935, Serial No. 1,764
15 Claims. (Cl. 251—96)



1. A cock including a body having a conduit extending through the same, a seat extending across said conduit, an expansible plug rotatably arranged in said seat and having a passage therethrough adapted to be moved into registration with said conduit, a pair of frusto-conical wedge members engaging corresponding seats formed in the opposite end portions of said plug, a stem secured to one of said wedge members and also connected with said plug and passing through the other wedge member, a cover closing one end of said body and against which said other wedge member bears, and means exerting pressure against said cover for moving said stem endwise to move said first wedge member toward said other wedge member for expanding said plug in its seat, said stem also being rotatable to move said plug about its axis to move said passage into and out of registration with said conduit, said other wedge member being urged against said seat, whereby all forces for urging said wedge members toward each other are exerted against said cover without transmission to said body.

2,027,195
EYEGLASS CONSTRUCTION
John A. Lauber and Rose M. Schimpeck, Rochester, N. Y., assignors to Continental Optical Company, Inc., Rochester, N. Y., a corporation of Indiana
Application November 12, 1934, Serial No. 752,417
4 Claims. (Cl. 88—42)

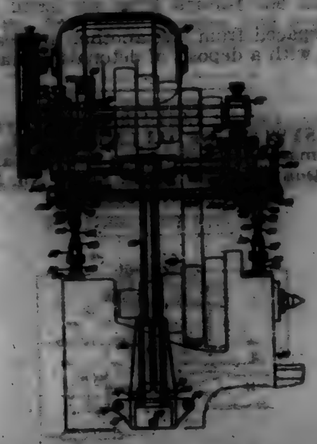
1. In an eyeglass construction, the combination with a nose pad and an oblong shaped lug carried thereby, of a supporting arm including a body portion having an oblong shaped opening to conform to said lug and a locking end portion formed integral with and bent upon said body portion and having an oblong shaped opening shaped to conform to said lug, the openings in said end and body portions being angularly disposed in relation to each other so that the lug after being inserted through the locking portion must be turned partially before insertion into the body portion, said locking portion occupying a position between the said end the body portion of the locking arm substantially parallel with the latter when the parts are in final position and acting to prevent removal of the lug from said opening in the body portion.

2,027,119
RAILWAY AXLE JOURNAL LUBRICATOR
George Walter Bamford Ludlo, Sydney, New South Wales, Australia
Application December 6, 1933, Serial No. 701,215
In Australia December 15, 1932
6 Claims. (Cl. [illegible]—67)



1. A railway axle journal lubricator of the roller type, comprising a carriage plate adapted to slidably engage in the oil well in the axle box, said carriage comprising a slipper slidable in said oil well, means for preventing lateral displacement of said plate in said well, a semi-elliptic leaf spring, a rider plate elongated in the direction of the slipper plate and supported with small clearance on said slipper plate by said semi-elliptic leaf spring so as to permit it constrained freedom for transverse and longitudinal rocking movement and vertical movement, bearings fixed on said rider plate, an axle journal rotatably in said bearings, and a plurality of short cylindrical rollers rotatably mounted on said axle, said rollers being of such diameter that they contact peripherally with the undersides of the axle journal and have small clearance from the rider plate, the ends of said semi-elliptic leaf spring, supporting said rider plate on the slipper plate, being slidably embraced in transverse slots near the ends of the rider plate, and its crown being fixed to the slipper plate, to insure freedom of relative movement in a longitudinal direction between said rider plate and said slipper plate.

2,027,211
MOTORIZED DRIVE
Robert E. Manley, York, Pa., assignor to Manley Products Corp., York, Pa., a corporation of Pennsylvania
Application December 16, 1933, Serial No. 702,771
26 Claims. (Cl. 74—142.12)



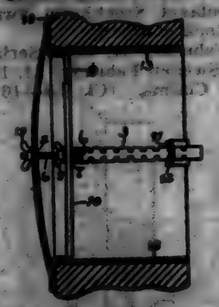
1. In a device for motorizing a line shaft machine of the belt and pulley driven type, an adjustable support for accommodating electric motors of various sizes, a counter shaft adjustably secured to said support and adapted to receive a drive pulley for driving the power receiving pulley of the machine, means for mounting said support and shaft so that, as a unit about an axis fixed with respect to said machine so that the axis of the counter shaft is constantly parallel with the axis of the power receiving pulley of the machine, means adjacent to engage a fixed portion of the machine, and unit rotating mechanism spaced from said fixed axis and engaging said last mentioned means for moving the unit about its pivotal axis to alter the distance between the shaft and the axis of the cone pulley.

2,027,113
DUST CLOTH
Hilda D. Merriam, Chicago, Ill.
Application January 5, 1935, Serial No. 573
4 Claims. (Cl. 15—209)



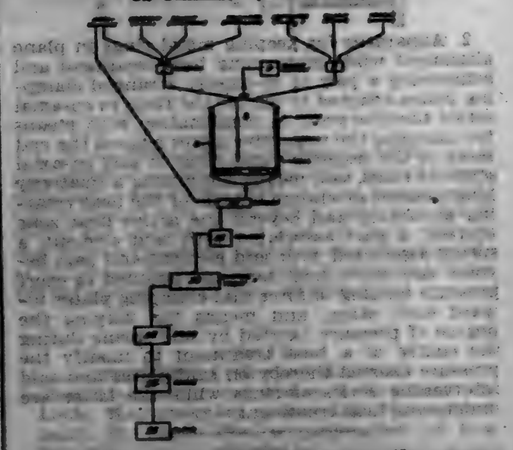
1. A dust cloth comprising a thin layer of cotton wadding having a backing of strong flexible paper, the wadding being impregnated with a non-gummy dust holding oil.

2,027,112
ADJUSTABLE LOCKING, SOLDING, AND TIGHTENING DEVICE
August Millinger, Louisville, Ky.
Application February 13, 1933, Serial No. 656,632
6 Claims. (Cl. 126—319)



1. In combination, a flue ring, a flue cover, holding means therefor, comprising a front pair of relatively extensible sheet metal slotted members with their slots lengthwise, adapted to register with each other, a back pair of relatively extensible sheet metal slotted members with their slots lengthwise, adapted to register with each other, a sheet metal locking member with a plurality of notches in its edges engaging the slots of said back members for holding the members rigid with the front edges and the back edges of the flue ring, means for holding the center of the flue cover rigid with the rigid front member and the circumference of the flue cover with the flue wall.

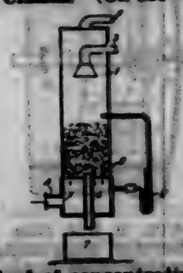
2,027,114
MANUFACTURE OF SMOKELESS POWDERS
Fredrick Olsen, Gordon C. Tibbitts, and Edward R. W. Kovats, Alton, Ill., assignors to Western Cartridge Company, East Alton, Ill., a corporation of Delaware
Application March 13, 1931, Serial No. 522,133
32 Claims. (Cl. 52—32)



21. In the art of making explosives, the process comprising, agitating a smokeless powder base in a non-solvent vehicle with solvent which is substantially immiscible with the vehicle, sufficient to form globules of dissolved base, and thereafter removing the solvent from the globules.

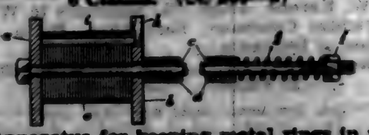
30. A propellant powder grain which is a solidified droplet of gelatinized smokeless powder base.

2,027,115
METHOD AND APPARATUS FOR CONCENTRATING BRISKLY FOAMING SOLUTIONS
Erik Ömark, Stockholm, and Sven Harald Loffe, Stockholm, Sweden, assignors to Industriforsäkra Aktiebolaget, Stockholm, Sweden, a Swedish joint-stock company
Application February 21, 1931, Serial No. 517,545
In Sweden February 21, 1930
5 Claims. (Cl. 159—16)



4. The method of concentrating briskly foaming liquids while avoiding excessive foaming thereof which consists of the steps of passing a current of gas under pressure through a layer of said liquid and dividing the current of gas into a multiplicity of streams substantially uniformly distributed with respect to said layer, said streams having individual cross-sectional areas of at least 0.8 square mm. and not more than 1.9 square cm. and pitches at least 2.8 times the width of said streams.

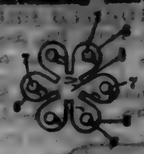
2,027,116
RING HOLDING APPARATUS
William Arthur Outebridge, Coventry, England
Application March 5, 1934, Serial No. 714,186
In Great Britain October 27, 1933
6 Claims. (Cl. 266—5)



2. Apparatus for keeping metal rings in plane alignment while undergoing heat treatment and comprising a pair of co-axially arranged clamping plates adapted to receive the rings in co-axial series therebetween, in combination with means for clamping the respective plates against the end faces of the respective end rings of said co-axial series of rings, said means comprising a relatively long element extending outside of the heat treating apparatus and beyond the active heat zone thereof, a part associated with said element, a spring associated with said element and part beyond said active heat zone and adapted to exert pressure tending to force said clamping plates toward each other, and means for varying the degree of pressure exerted by said spring during the course of a heat treatment to modify the pressure exerted thereby on said plates and said intervening series of rings while the latter are undergoing heat treatment.

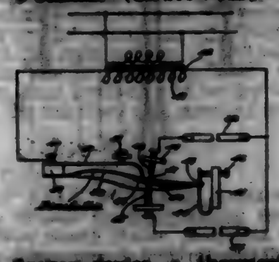
2,027,117
PAPER CAP AMMUNITION FOR TOY PISTOLS
Edward Sutton Peake, East Columbus, Ohio
Application June 6, 1934, Serial No. 729,555
2 Claims. (Cl. 102—43)

1. A multiple ammunition cap for a toy pistol including a central portion provided with a plurality of arms extending therefrom, said arms



entirely spaced from one another and each arm provided with a deposit of detonating material.

2,027,118
SYSTEM OF ILLUMINATION
Norman L. Prosser, Long Beach, Calif.
Application August 7, 1931, Serial No. 555,250
9 Claims. (Cl. 200—116)



9. In a flasher device, a thermostatic strip confined at one end to a stationary support and restrained at the other end to an endwise movement and capable of snapping from one stable position to another, corresponding respectively to a low and to a high temperature of the strip, and a pair of contacts operated by the strip, to be in arcing relationship during the position corresponding to low temperature, the current thus passing through the contacts acting to generate heat to throw the strip to the high temperature position beyond arcing distance where the strip can cool to return to arcing position for repeating the cycle.

2,027,119
EXPANDING NECKTIE HOLDER
Claude A. Ritter, Cincinnati, Ohio
Application December 12, 1932, Serial No. 763,115
3 Claims. (Cl. 223—87)



1. A device of the class described, comprising a flexible strip having a first transverse fold, a second transverse fold, a third transverse fold, a fourth transverse fold, and a fifth transverse fold, the first transverse fold and the second transverse fold forming a first cover member, the first fold forming a flap, joined to the first cover member at the first fold, the second fold and the third fold forming a second cover member, joined to the first cover member at the second fold, the third and the fourth fold and the fifth fold forming a double-walled partition, comprising inner and outer walls, said walls being joined together at the fourth fold, the inner wall of the partition being joined to the second cover member at the third fold, the fifth fold forming a free-ended wing at the extremity of the strip which is remote from the flap, a separating tongue being struck from the inner wall of the partition, to form an opening therein, the tongue being hinged to the second cover member at the third fold, the strip being capable of being closed at the second and third folds to bring the wing against the inner surface of the first cover member and overlap the flap on the outside of the second cover member.

2,027,120
STORAGE BATTERY CONNECTOR
Antonio Rocheleau, Cap-de-la-Madeleine, Quebec, Canada
Application February 23, 1935, Serial No. 7,668
In Canada July 6, 1934
3 Claims. (Cl. 173—259)



1. A battery connection comprising a pair of superimposed plates apertured to be received on a battery post, an upstanding knuckle formed on each plate and adapted for alignment with the other knuckle, a bolt passed through said knuckles for drawing the same together, a lug projecting from the edge of one of said plates, and a hook formed at the corresponding edge of the other plate and adapted to interlock with said lug for maintaining said plates in surface contact.

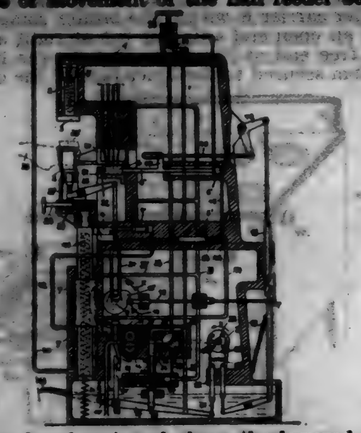
2,027,121
TOILET COMB
Howard Z. Ross, Harrisburg, Pa.
Application February 14, 1935, Serial No. 6,504
4 Claims. (Cl. 132—12)



1. A toilet comb comprising a back and two sets of teeth with the teeth of one set terminating on a line spaced inwardly from the teeth of the second set, the said second set of teeth being provided with enlarged rounded terminals.

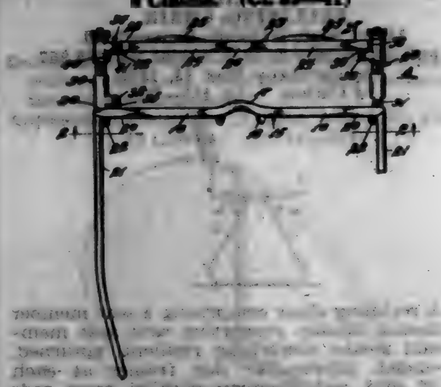
2,027,122
HEEL NAILING MACHINE WITH NAIL FEED
Julius Sandt, Pirmasens, Germany
Application December 29, 1934, Serial No. 759,505
In Germany December 29, 1933
9 Claims. (Cl. 1—32)

1. In a heel nailing machine, a fixed hand rest for the hand of the operator in positioning the shoe and heel, a nail pillar, means for raising and lowering the nail pillar relative to the hand rest, a nail feeder designed to be moved to a position immediately above and in contact with the nail pillar, and means for operating the nail feeder to position the same relative to the nail pillar when the latter is in lowered position; the plane of movement of the nail feeder being



below the hand rest and above the lowered nail pillar.

2,027,123
SPORT OPHTHALMIC MOUNTING
Wayne S. Searles, Providence, R. I., assignor to Universal Optical Corporation, Providence, R. I., a corporation of Rhode Island
Application February 20, 1933, Serial No. 657,555
6 Claims. (Cl. 88—41)

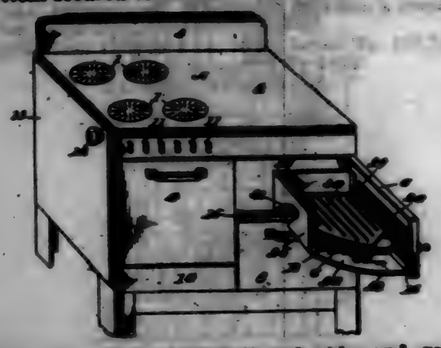


1. In an ophthalmic mounting, a frame for a pair of lenses, a second frame for a pair of lenses, adjustable telescoping posts, spring means tending to extend said telescoping posts, and hinge means for attaching said posts at their ends to said frames to permit swinging of said posts relative to said frames, that said frames may move toward each other in parallel planes.

2,027,124
BROILER FOR GAS RANGES
Arthur Stockstrom and Almer H. Bradbeck, St. Louis, Mo., assignors to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application May 15, 1933, Serial No. 21,618
4 Claims. (Cl. 126—41)

1. In a range, a broiling compartment, a burner in said compartment, a horizontally swinging door providing access to said compartment, a drawer-like carrier carried by the inner side of said door, said carrier having a rear wall arranged in separated spaced relation to the

inner face of said door, a side wall adapted to parallel the end wall of the range when the broiler carrier is within the broiler compartment and an open end adjacent but at right angles to the free end of the door, said drawer having a bottom secured to the inner face of the door and



supporting the aforementioned side and rear walls of said drawer, supports carried by the inner face of the door and the inner face of the rear wall of the drawer member, and a broiler pan adjustable upon said supports and accessible through the open end of the drawer when the door is in an open position.

2,027,125
RECLINING CHAIR
Albert Stoll, Koblenz, Switzerland
Application May 8, 1933, Serial No. 669,967
In Germany May 13, 1932
4 Claims. (Cl. 155—77)

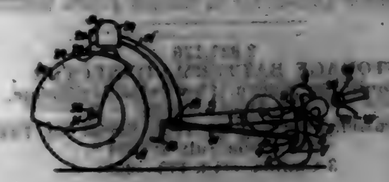


1. A reclining chair comprising a seat member and means tiltably supporting said seat member, said means comprising resilient, upturned, open-ended, stirrup-like side frames at each side of said seat member, parallel cross rods extending across said seat member adjacent the longitudinal centerline thereof and connecting the corresponding ends of said open-ended side frames on opposite sides of said seat member, and hinge sockets carried by said seat member and pivotally receiving said cross rods therein, whereby the tilting positions of said seat member are obtained in adaptation to the flexion of said resilient side frames according to the load applied to said seat member shifting relative to said cross-rods.

2,027,126
ANÆSTHETIC
Oscar H. Steyer and Edmund H. Brigham, Buffalo, N. Y., assignors to The Oleothesin Company, Inc., Buffalo, N. Y.
No Drawing. Application October 27, 1933, Serial No. 695,509
4 Claims. (Cl. 167—82)

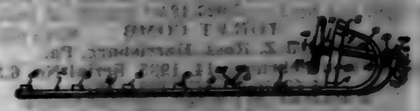
1. An anæsthetic including a salt formed by the reaction of procaine base and a fatty acid having at least nine carbon atoms.

2,027,127
ONE WHEELED TRAILER FOR AUTOMOBILES AND SIMILAR VEHICLES
Hubert Taskenhoye, Vilvorde, Belgium
Application October 30, 1933, Serial No. 696,677
In Belgium October 24, 1933
2 Claims. (Cl. 280—33.4)



2. In a trailer for vehicles, a frame adapted to be attached at one end to a vehicle; a substantially vertical post at the opposite end of the frame, a bearing on said post; a fork having a pivot pin journaled in said bearing; means for permitting the pivot pin to have a restricted universal rocking movement with respect to the post; and a running wheel mounted in the fork on an axle which is disposed substantially in the plane of the frame.

2,027,128
TOBOGGAN
Edwin William Tessmer, Kenosha, Wis.
Application July 15, 1935, Serial No. 31,151
2 Claims. (Cl. 280—32)

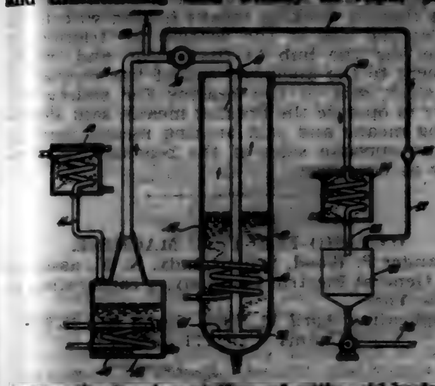


1. A toboggan comprising an approximately flat, elongated body having an upturned, flexible runner mounted on the lower surface of the body, mechanism under the control of the rider and connected to the forward portions of the runners for flexing the runners laterally, to bring about a steering of the toboggan, means for attaching the rear portions of the runners to the body, and means for pivotally connecting the intermediate portions of the runners to the body whereby the runners will flex laterally in one direction, ahead of the last-specified means, and laterally in an opposite direction, to the rear of the last-specified means.

2,027,129
METHOD OF ARTIFICIALLY AGING WHISKY
Charles A. Thomas and Carroll A. Hochwalt, Dayton, Ohio, assignors, by mesne assignments, to Nelson S. Talbott, Dayton, Ohio
Application September 18, 1934, Serial No. 744,710
16 Claims. (Cl. 99—78)

1. The method of artificially aging whisky to improve its odor and taste, which comprises the step of passing said whisky in vapor phase

with hydrogen over a hydrogenating catalyst, and maintaining said whisky in vapor phase



during the treatment thereof with said hydrogen and catalyst.

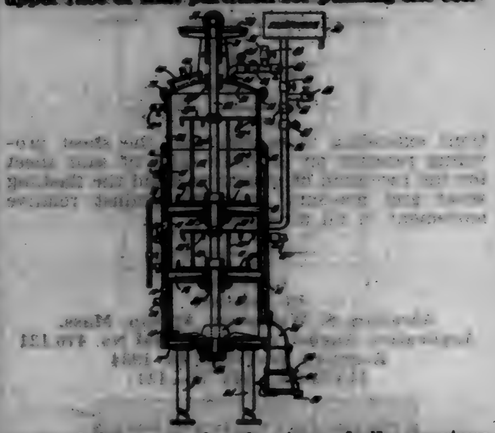
2,027,130
INSPECTION LENS
Thomas M. Towne, Parma, Ohio
Application September 5, 1933, Serial No. 688,138
2 Claims. (Cl. 88—14)



1. In an article of the character described, the combination of transparent members having opposed flat surfaces, an intermediate plate like member positioned between said transparent members, all of said members having their mutually contacting faces permanently bonded to each other, said plate like member having a plurality of openings therein and also having slots extending from said openings to its outer periphery, the surfaces of said transparent members and the edges of said openings and of said slots forming enclosed cavities and conduits communicating with the outer edge of said article.

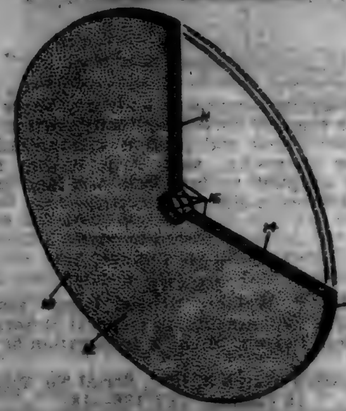
2,027,131
COOKER
Charles B. Upton, Piqua, Ohio
Application July 23, 1931, Serial No. 552,574
9 Claims. (Cl. 99—12)

2. An improved cooker comprising an upright tubular structure subdivided by an approximately horizontal partition into a plurality of superposed chambers in each of which material may be treated under different conditions, said structure having apertures in the side wall thereof immediately above and below said partition and forming communication between said chambers with the aperture above the partition rising from said partition, a gate member disposed across both of said apertures and movable on said structure to present different portions thereof across said apertures, means engageable by one of said portions for tightly sealing and preventing communication between said apertures and said chambers during the treating of said material in said chambers, and the other of said portions having a channel therein which connects said apertures so as to provide a gravity chute leading from the uppermost aperture to the other, and an agitator in the chamber above said partition and moving in close proximity to the upper face of that partition for pushing the con-



tents of the upper chamber towards the aperture from that chamber, so as to discharge said contents into the lower chamber when said gate member is moved to connect said apertures and said chambers.

2,027,132
GRINDING WHEEL
Duane K. Webster, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application December 19, 1934, Serial No. 758,279
10 Claims. (Cl. 51—206)



1. A grinding wheel comprising a main body portion of bonded abrasive grains shaped in the form of a disk, and a separately manufactured sheet of abrasive material integrally secured to a side of the main body portion which provides a rough side wheel face having sharp abrasive cutting teeth projecting therefrom.

2,027,133
FLASHING
Abraham S. Weinstein, Brighton, Mass.
Application March 12, 1930, Serial No. 435,124
14 Claims. (Cl. 72—187)

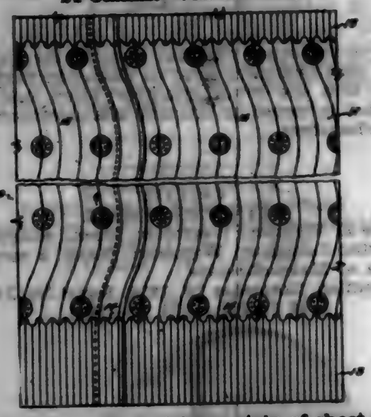
1. A sheet metal flashing for masonry structures comprising a sheet of sheet metal of the

width to extend substantially through the wall of said structure and thereby provide a means for deflecting and draining moisture of infiltration from said wall, said flashing being deformed to provide a series of struck-up encased projec-



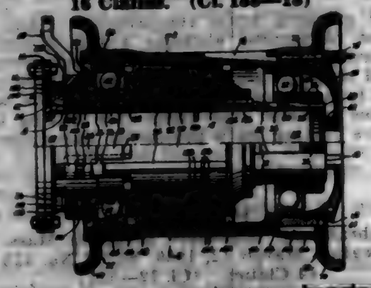
tions extending upwardly from the sheet providing recesses on opposite sides of said sheet for the reception of mortar to bond the flashing sheet and masonry structure against relative movement in all directions.

2,027,124
FLASHING
Abraham S. Weinstein, Allston, Mass.
Application August 18, 1930, Serial No. 476,121
Renewed November 10, 1934
24 Claims. (Cl. 72—187)



1. A flashing comprising a strip of sheet metal having a coarsely corrugated body portion and a finely corrugated end portion substantially coextensive therewith, said strip having means thereon adapted to interlock and key mortar disposed on each side of said strip.

2,027,125
BRAKE
Chichester P. Weldon, Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 3, 1932, Serial No. 596,441
16 Claims. (Cl. 188—18)



1. In a brake, a non-rotary overhanging support, a rotatable hub, a bearing between the hub and the support, a sleeve slidably mounted on the support and keyed against rotation with respect thereto, braking means housed within the hub at one side of the bearing for frictionally connecting the hub to the sleeve, and means adjacent to the anchored end of the support at the other side of the bearing for sliding the sleeve to operate the braking means, said sleeve-sliding means and said braking means reacting against opposite sides of the bearing; substantially as described.

2,027,126
DYNAMO-ELECTRIC MACHINE
Alexander F. Wood, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 12, 1935, Serial No. 16,026
4 Claims. (Cl. 171—252)



1. A dynamo-electric machine comprising a cylindrical frame, a laminated core mounted in said frame, a retaining ring mounted in said frame at each end of said core in abutting relation thereto, an end shield for said frame, and means including a plurality of integral inturned ears formed on said retaining ring adjacent said end shield securing said end shield to said frame.

2,027,127
CONTAINER
Lester L. Tremaine, Chicago, Ill.
Application August 17, 1932, Serial No. 629,103
7 Claims. (Cl. 215—44)



1. A container having a first depression formed in one wall thereof with a second depression of smaller diameter formed centrally in the bottom of the first depression, the bottom of the second depression having a port therein communicating with the interior of the container, an annular member seated on the bottom wall of the first depression and having a central tongue extending over said port, a valve member carried by said tongue and positioned in said second depression for controlling the passage of air or gas through said port, a disk holding said annular member in place, and an annular head in the wall of the container for clamping said disk in place.

2,027,128
UNIVERSAL JOINT
Oscar U. Zerk, Cleveland, Ohio
Application April 12, 1935, Serial No. 16,700
6 Claims. (Cl. 287—90)

1. In a joint construction for drag links, tie rods and the like, a housing element adapted

to be associated with a tie rod to oscillatably move longitudinally therewith, a bearing element projected into the housing element, and having a bearing portion thereon, a pair of ball raceway cavities on opposite sides of the bearing portion, the housing element being provided with a pair of spaced raceway cavities each concavely confronting a raceway cavity of the bear-



ing element, balls in the pairs of confronting raceways thus provided, the balls and raceway cavities being substantially in co-alignment with the direction of oscillatory movement of the tie rod associated housing element, and means resiliently checking movement of the bearing element after a predetermined movement from a normal position.

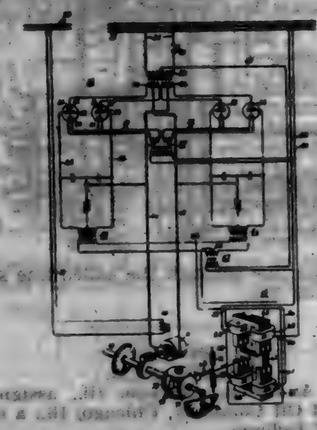
2,027,139
TUBULAR BORING TOOL
John Herbert Abramson and Edwin C. Swanson, Rockford, Ill., assignors to Greenlee Bros. & Co., Rockford, Ill., a corporation of Illinois
Application April 21, 1933, Serial No. 667,144
6 Claims. (Cl. 145—150)



1. A tubular boring tool comprising a tubular body, a marginal scribing edge at the inner diameter of said body at its lower end and extending along said lower end through a substantial part of a circle to guide said tool in entering the work, and a cutter formed in the lower end of said body between the ends of said scribing edge arranged to trail said scribing edge in entering the work.

2,027,140
TORQUE AMPLIFYING SYSTEM
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 2, 1933, Serial No. 640,574
18 Claims. (Cl. 172—239)

1. An impulse amplifying system comprising an electric driving motor, supply means for said motor comprising electric valve apparatus provided with a control grid, means for supplying a voltage to said grid, means for controlling said grid voltage comprising a reactance bridge connected to said grid and provided with a core divided into two members spaced apart to provide an air gap, an armature member movably mounted in said air gap for controlling the magnetic balance of



said bridge, a pilot device for moving said armature to unbalance said bridge and a connection from said motor to said armature for returning said armature member to its initial position to balance said bridge.

2,027,141
AUTOMOBILE BODY
Peter Altana, Brooklyn, N. Y., assignor of forty per cent to Jennie Miles, Brooklyn, N. Y.
Application June 27, 1934, Serial No. 733,862
1 Claim. (Cl. 296—60)

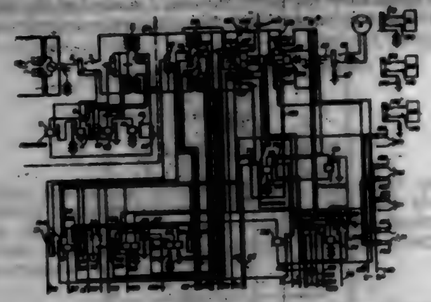


In combination with the body of an automobile having an open top, a compartment across the rear end of said opening and compartments along opposite sides of the opening near the rear end and partially extending to the front end, and a tent in said compartments comprising a central rolled section housed in the end compartment and extendible to the front and side sections housed in said side compartments and extendible upwards and forwards to the front of said opening, and means for connecting and holding the sections of the tent, said side sections being foldable and extendible in accordion fashion.

2,027,142
TELEPHONE EXCHANGE SYSTEM
Sewell W. Allison, West Orange, N. J., and James E. McKim, Douglas Manor, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 7, 1933, Serial No. 701,373
10 Claims. (Cl. 179—45)

6. In a telephone system, a switchboard, a called line appearing thereon, a link circuit terminating thereat and connected to said line, a repeating coil interposed in said link circuit, a

source of ringing current and means controlled over said link circuit for connecting said source



to the called line through the called line side of the repeating coil.

1,627,143
BARREL SEAL
Lonnie E. Anderson, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 17, 1922, Serial No. 617,773
4 Claims. (Cl. 220—39)



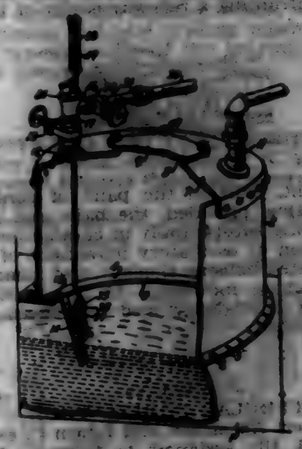
1. In combination, a bung provided with a head containing a non-circular socket for turning the bung and having a groove in the lower portion of the socket side wall, a destructible metallic cap surrounding the head and a portion of said cap being depressed nonconformably into said socket and into said groove.

1,627,144
FORMATION OF LEUCO COMPOUNDS
Louis E. Hahn, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 27, 1926, Serial No. 91,984
17 Claims. (Cl. 260—39)

12. The process which comprises reducing vat dyes in an open vessel by adding slightly more sulfur dioxide to the dye than will be combined during the reaction, the amount of sulfur dioxide added being sufficient to form zinc hydrosulfite in the solution, thereafter adding sufficient finely divided zinc to form sufficient zinc hydrosulfite to reduce the dye to its leuco form, heating the resultant mixture to a temperature below which the sulfur dioxide will be expelled, then passing into the reaction mass continuously at a rate insufficient to react with the zinc present, a quantity of sulfuric acid sufficient to release sulfur dioxide by reaction with any zinc bisulfite present.

17. The process of treating indigo, which comprises forming a water suspension of the indigo, adding to the said suspension a substance from the group consisting of hydrochloric acid, sulfuric acid, ammonium chloride and zinc chloride in an amount sufficient to initiate a reaction between zinc and sulfur dioxide therein, thereafter adding sulfur dioxide in an amount sufficient to react with zinc to produce zinc hydrosulfite and adding to the resultant enough zinc to form sufficient zinc hydrosulfite to reduce the indigo present to its leuco compound.

1,627,145
SIGHT ATTACHMENT FOR CAR OR OTHER TANKS
Jesse Beebe, Tulsa, Okla.
Application August 8, 1925, Serial No. 48,484
10 Claims. (Cl. 240—2.25)



1. A device of the character described, comprising a sight box having means for removable application to a tank fitting and having a passageway for communicating with the interior of a tank when the sight box is applied to such fitting, a window in said passageway, a lamp support adjustable on the sight box from the exterior of the fitting, and a lamp on the inner end of said support.

1,627,146
NUT ROASTING MACHINE
Ernest W. Ely and Harry H. Lisby, Cleveland, Ohio
Application November 19, 1924, Serial No. 750,777
16 Claims. (Cl. 53—7)



1. In a roasting machine of the class described in combination, a casing, a roasting bath receptacle in said casing, an apertured agitating drum for containing nut meats to be treated, normally disposed so as to be partially submerged in the bath in said receptacle, instrumentalities whereby said drum may be moved out of the said receptacle to effect discharge of its contents, and driving mechanism connected with one end of the drum for rotation thereof, the other end of the drum being open to provide a discharge, the movement of the agitating drum out of the receptacle as aforesaid being such that the roasted nut meats will be discharged through the open end of the drum by reason of such movement.

1,627,147
THIRD POINT SUPPORT SHOE
Edwin G. Ehnes and Herbert W. Hiltabiu, Chicago, Ill., assignors to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application December 3, 1924, Serial No. 753,626
16 Claims. (Cl. 105—212)

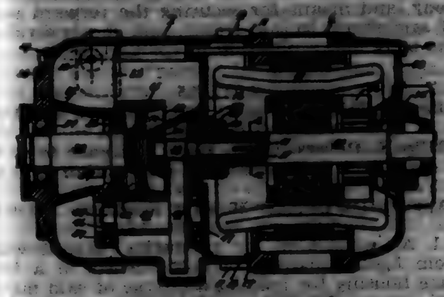


2. In combination, a brake beam including a strut and a tension member, and a third point support chair including structure engaging said tension member sidewardly of said strut and separately formed means for securing said structure to said tension member.

1,627,148
PREPARATION OF PROTOCATECHUIC ALDEHYDE
Marion Scott Carpenter, Nutley, and Eric C. Kunz, Montclair, N. J., assignors to Givaudan-Delawanna, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 16, 1924, Serial No. 717,725
8 Claims. (Cl. 260—127)

1. Process for the manufacture of protocatechuic aldehyde comprising reacting heliotropine with anhydrous aluminum chloride in the presence of an aliphatic chlorinated hydrocarbon solvent, followed by treatment with an aromatic hydrocarbon, said heliotropine being present in amount sufficient to prevent reaction between said solvent and said aromatic hydrocarbon.

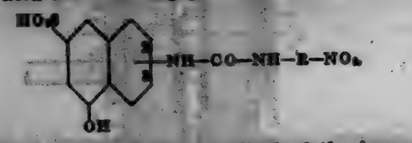
1,627,149
ELECTRIC POWER UNIT
Joseph D. Christian, San Francisco, Calif.
Original application May 2, 1922, Serial No. 558,787. Divided and this application July 7, 1924, Serial No. 724,172
16 Claims. (Cl. 74—421)



1. In combination, a casing including a wall member and an end wall, a motor shaft on one side of said wall member, a stub shaft slidably connected to said motor shaft and extending on the other side of said wall member, a bearing for said stub shaft, said wall member including a portion extending from said wall member toward said end wall and supporting said bearing, a power take off shaft coaxial with said stub shaft, and a gear on the end of said take off shaft adjacent said extending casing member portion, said gear having a recessed face adjacent said extending portion to receive said portion.

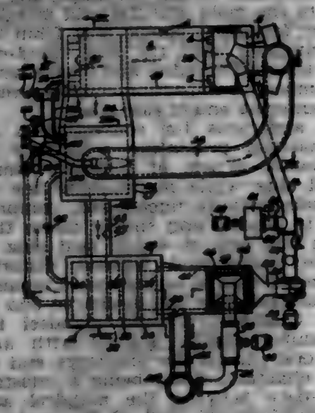
1,627,150
DERIVATIVES OF UREA
Samuel Coffey and John Edgar Schofield, Huddersfield, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application October 24, 1923, Serial No. 669,397. In Great Britain October 28, 1922
4 Claims. (Cl. 260—134)

1. Derivatives of urea having in the form of free acid the following general formula:



wherein R is an arylene radical of the benzene series, and the urea group is attached in position 2 or 3.

1,627,151
APPARATUS FOR MAKING OPEN-HEARTH STEEL
Martin J. Conway, Canterville, Pa.
Application June 28, 1924, Serial No. 721,456
11 Claims. (Cl. 263—15)



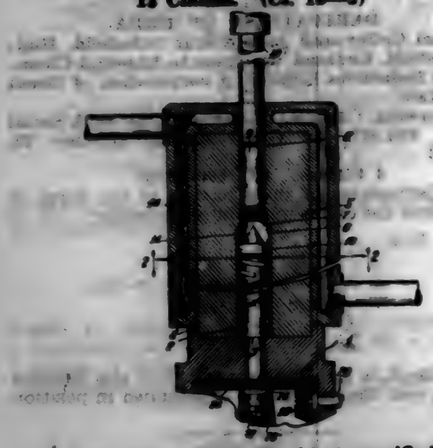
1. An open hearth furnace comprising a melting hearth forming the bottom wall of an enclosed heating chamber, heating means at one end of the chamber above the hearth embodying fuel and air supply means, means for withdrawing the products of combustion at another end of said chamber, and means for preheating the air supply to the heating means by the heat of the products of combustion leaving the heating chamber including means for balancing the pressure of the preheated air entering the furnace and the products of combustion or waste gases leaving the furnace chamber, said pressure balancing means being responsive to and controlled by variations in the pressure of the waste gases or products of combustion leaving the furnace chamber and the preheated air entering said chamber.

2,027,152

METHOD AND APPARATUS FOR CONVERTING SOLID ARTICLES INTO TUBULAR STRUCTURES

Glenn A. Cooper, Chicago, Ill., assignor to Cruver Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application October 8, 1932, Serial No. 636,834
13 Claims. (Cl. 18—3)



11. An apparatus of the kind specified comprising a mold chamber open at one end, a slug receiving chamber communicating at one end with said open end of said mold chamber, a mandrel within said mold chamber having a free end opposed to and spaced from the open end of said chamber, means for imparting relative rotation to the mold and the said mandrel, and means for forcing a plastic slug from said receiving chamber into the said mold-chamber and over the said mandrel and means within the mold chamber for imparting counter-pressure to the first entering end of said slug.

12. An apparatus for converting a slug of plastic material presenting a surface pattern into a hollow article of different dimensions than said slug while maintaining the surface pattern substantially unchanged, comprising a chamber to receive and snugly house the slug, and from one end of which said slug is dischargeable bodily and without distortion, a mold chamber having unobstructed communication at one end with the discharge end of said receiving chamber, a rigid mandrel in said mold chamber axially aligned with and opposed at one end to the discharge end of said receiving chamber, there being a substantially annular space between the mandrel and the inner circumferential wall of the mold chamber, a ring-piston snugly fitting and reciprocable in said mold chamber, a spring for maintaining said piston normally disposed adjacent to the aforesaid end of said mandrel, and a plunger in the receiving chamber for forcing said slug over said mandrel into said mold chamber to fill the latter progressively against the action of the said piston.

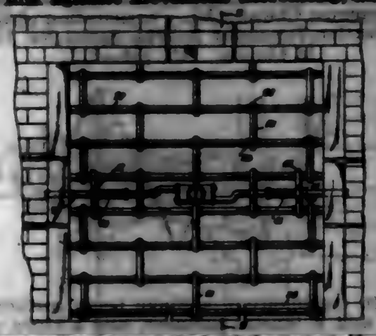
2,027,153

OVERHEAD-ACTING GRILLE

Milton L. Cornell, New York, N. Y., assignor to Cornell Iron Works, Inc., Long Island City, N. Y., a corporation of New York

Application October 30, 1933, Serial No. 695,794
11 Claims. (Cl. 189—36)

1. A flexible grille comprising a plurality of straight parallel rods, a plurality of spaced links spacing and flexibly interconnecting adjacent rods, said rods having integral projections extending therefrom and respectively confining each link against movement therealong, and ad-



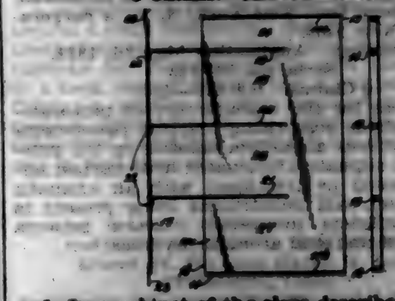
ditional aligned end links interconnecting and pivotally mounted on the ends of adjacent rods, and vertical guides at the sides of said grille for confining said aligned end links to movement in a vertical path.

2,027,154

CABINET, CHEST, AND THE LIKE

Harry Derman, Lawrence, Long Island, N. Y.

Application January 16, 1935, Serial No. 2,011
5 Claims. (Cl. 312—140)



1. In a cabinet of the class described, a casing consisting of an oblong, rectangular, tubular body of fibrous board open at the front and rear thereof, a frame secured to the open end of said body, a back wall secured to the rear open end of said body, a plurality of spaced partition sheets attached to the inner surface of said back wall and extending forwardly through said body, and means for securing the forward ends of said sheets to said frame, said sheets dividing the body into a plurality of compartments.

2,027,155

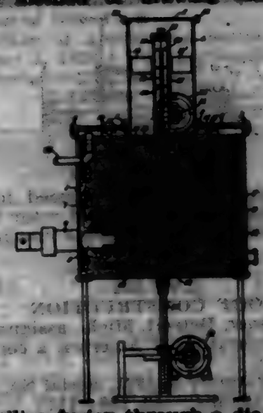
APPARATUS FOR AND METHOD OF FUSING VITREOUS MATERIAL

Philip K. Devers, Lynn, Mass., assignor to General Electric Company, a corporation of New York

Application October 30, 1934, Serial No. 750,624
6 Claims. (Cl. 49—78.1)

1. An apparatus for producing shaped ware from fusible material which consists in a furnace housing for holding a charge of said material, means for heating said charge to fusion temperature, a chute-like die arranged above said charge and being movably mounted to permit of advancing and withdrawing motion to penetrate said charge, external means for reciprocating said die, a core mounted below said die, means for reciprocating said core to maintain said core in predetermined relation to said die irrespective of motion of the latter, and means for withdrawing plastic material through a space between said die and said core through said die.

3. The method of drawing elongated stock



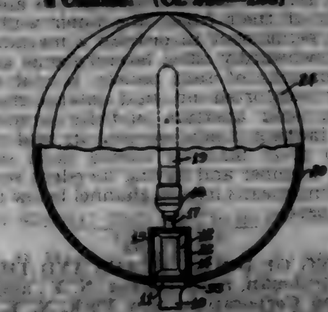
from a silica fusion through a die submerged in said fusion which consists in varying the orientation of the inlet of said die with respect to said fusion thereby varying the configuration of said stock.

2,027,156

GLOBE MOUNTING

Raymond R. Dupler, Toledo, Ohio

Application July 16, 1935, Serial No. 31,600
4 Claims. (Cl. 240—126)



1. A device of the class described comprising a vertically disposed tubular member, a pair of vertically spaced cylindrical surfaces in juxtaposed relation to and in axial alignment with said member, an annular flange below the lower cylindrical surface, a translucent globe-like member having an opening, a sleeve extending entirely inside of said globe-like member through said opening except for an outwardly extending flange engaging the outside of said globe-like member, a shoulder on the inside of said sleeve spaced from the outer end thereof and adapted to rest against and be supported rotatably by said annular flange, and an elongate lamp carried by said tubular support and adapted to extend inside of said globe-like member for illuminating the same.

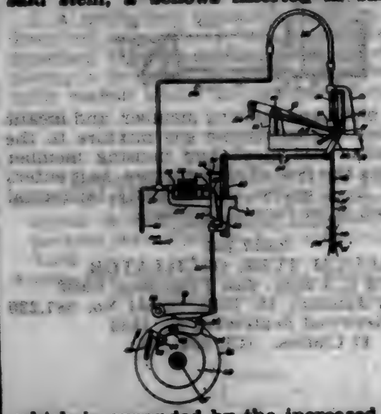
2,027,157

DETECTION DEVICE

John Flaws, Jr., Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application June 12, 1934, Serial No. 730,234
6 Claims. (Cl. 175—183)

1. A device for detecting the absence of an exhaust aperture in a stem for electric lamps and similar articles comprising an air line which engages the exhaust tube of said stem, means for forcing air under pressure through said line, the air flowing normally through said exhaust tube and escaping through said exhaust aperture of said stem, a bellows inserted in said air line



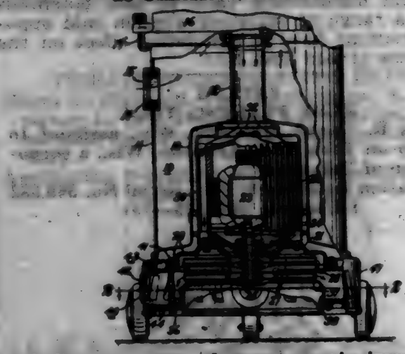
which is expanded by the increased pressure in said line when a stem is devoid of an exhaust aperture, driving means for subsequent mechanisms normally operating upon said stem and mechanism operated by the expansion of said bellows for rendering inoperative said driving means.

2,027,158

VACUUM CLEANER

Axel Albert Fersberg, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application March 5, 1932, Serial No. 596,349
In Germany March 7, 1931
13 Claims. (Cl. 230—127)



1. In a vacuum cleaner, an air impeller, air conveying means connected to receive air from said impeller associated therewith comprising a casing having a curved air channel of constantly decreasing cross-sectional area, said casing having air discharge louver openings progressively disposed along the path of air flow and arranged so that the direction of air flow therethrough is suddenly reversed from the direction of air flow in said channel.

2,027,159

GAS BURNER CONSTRUCTION

Alden W. Fulton, Kansas City, Mo.

Application December 14, 1933, Serial No. 702,718
4 Claims. (Cl. 158—7)

1. A burner construction comprising a cylindrical housing member entirely open at its upper

end, a solid cylindrical refractory block mounted centrally within said housing member in spaced relation to the interior wall thereof, said block projecting above said housing member and having a top flange margin overlying the space be-

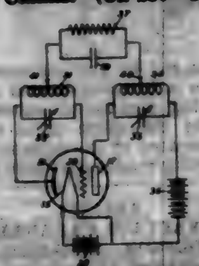


tween said block and housing member, and means for supplying a combustible gas mixture to the space between said block and housing member and directing the flow of said mixture, as it enters said space, in a course substantially tangential to the curved outer face of the block.

2,027,160

VACUUM TUBE OSCILLATOR

Richard E. Furay, San Francisco, Calif.
Application January 18, 1933, Serial No. 651,230
Renewed September 24, 1933
17 Claims. (Cl. 250—36)



14. The method of controlling an electric current which comprises generating an electron flow, establishing a pair of oppositely varying potentials differently positioned with respect to said flow, and maintaining each of said potentials within a range of variation wherein said opposite variations have a cumulative effect on the magnitude of said flow.

2,027,161

TUBE FLARING TOOL

Gideon R. Gagne, Kenosha, Wis., assignor to Snap-on Tools, Inc., Kenosha, Wis., a corporation of Delaware
Application October 18, 1931, Serial No. 569,582
8 Claims. (Cl. 153—79)



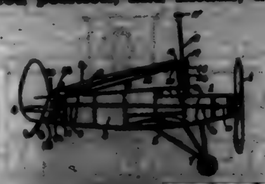
1. In a device of the character described, the combination of a circular body having radially disposed bores of different diameters in said body, there being an opening in said body to interrupt said bores, there being tapered seats at the interrupted extremities of said bores in one portion of said body, and a flaring tool member displaceable in the bores of the other portion of said body for the purpose set forth.

2,027,162

LANDING APPARATUS FOR AIRPLANES

Julius Goldman, Los Angeles, Calif.
Application July 2, 1915, Serial No. 37,483
5 Claims. (Cl. 66—76)

1. In a toy airplane, a motor for driving the propeller of the plane, a lifting rotor mounted on the plane to be lowered toward the plane, when not in use, and to be elevated into operative position above the plane, means for holding said rotor in its lowered position, and means, actuated by

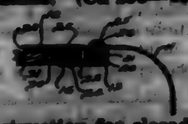


said motor, when its power is reduced, for releasing said holding means from said rotor to enable said rotor to rise above the plane into its operative position.

2,027,163

ROOF CONSTRUCTION

Otto F. Graebner, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application January 9, 1931, Serial No. 507,513
5 Claims. (Cl. 296—137)

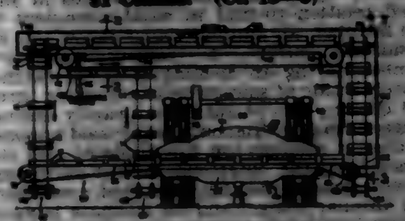


1. A roof construction for closed vehicle bodies comprising metal quarter panels covering the margins of the roof and forming a central aperture, said panels having an upwardly presenting channel formed therein adjacent to and longitudinally of their edges, the inner wall of said channel being bent to provide a marginal bead and a downwardly offset lateral flange along the inner margins of said panels, a roof framing member supported on said lateral flange for spanning said aperture and for bracing said panels, tacking means secured in said channel, and top cover material spread upon said roof framing member and having its edges secured to the tacking means in said channel below the level of said bead.

2,027,164

MOLDING OF DOLLS' HEADS AND THE LIKE

Leo J. Grabenstein, Belle Harbor, N. Y., assignor to Margon Corporation, New York, N. Y., a corporation of New York
Application February 16, 1932, Serial No. 593,943
11 Claims. (Cl. 18—5)



1. The method of making a doll part out of the conventional wood pulp and starch material in a single molding operation by means of a separable mold, which includes placing the molding material in the mold, heating and intermittently pressing the halves of the mold together, relieving the pressure between the intermittent pressings, without, however, moving the halves of the mold apart, so as to freely permit the escape of gases generated in the heated material without rupturing the embryo doll part, and additionally baking the molded material after the mold has been closed.

2,027,165

MOLDING OF DOLLS' HEADS AND THE LIKE

Leo J. Grabenstein, Belle Harbor, N. Y., assignor to Margon Corporation, New York, N. Y., a corporation of New York
Continuation of application Serial No. 591,947, February 7, 1932. This application March 16, 1934, Serial No. 715,901
12 Claims. (Cl. 18—4)

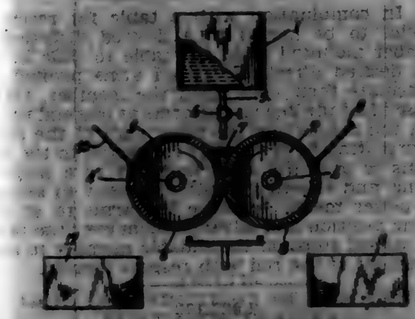


1. A mold for the molding of a complete hollow doll's head, said mold comprising separable top and bottom portions, the bottom portion corresponding to the face of the head and being provided with eye and mouth openings, an indestructible tapered core-locating arbor extending through the neck opening of the head, a low temperature fusible metal core on said arbor and having projections fitting the aforesaid openings and adapted to form eye and mouth openings in the head, pins extending from the bottom mold into the top mold for aligning the same, latch means for locking the mold in closed condition, top and bottom plates secured on the backs of the top and bottom molds respectively and providing substantial outwardly projecting flanges for cooperation with appropriate mold moving guides, said plates being cut away in alignment with the aforesaid latch means and said bottom plate being additionally cut away relative to the top plate to permit arresting of the top plate by supports which pass the bottom plate, thereby opening the mold.

2,027,166

ROSIN SIZING AND METHOD OF MAKING THE SAME

William H. Harding, Wyalusing, N. Y., and Albert W. Montgomery, Cedartown, Ga., assignors to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware
Application October 26, 1929, Serial No. 402,854
10 Claims. (Cl. 134—31)



1. A process for making a low free rosin size having greater than 50% solids comprising subjecting a solution of an alkali metal compound and rosin mix to drying heat above 200° F. but not more than 500° F. relatively suddenly whereby the mix is carried rapidly through and beyond gelling and foaming stages and saponification accelerated.

2,027,167

CONFECTION

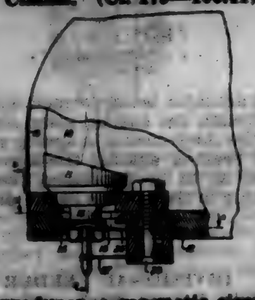
Benjamin R. Harris, Chicago, Ill.
No Drawing. Application June 4, 1934, Serial No. 728,958
22 Claims. (Cl. 99—16)

1. A confection composition of the character described comprising a fat, comminuted material dispersed therein, and an ester of sulfuric acid having a terminal lipophile group with at least eight carbon atoms and a hydrophylic sulphate group.

2,027,168

VIBRATION TRANSLATING DEVICE

Henry C. Harrison, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 29, 1934, Serial No. 746,873
8 Claims. (Cl. 179—100.41)

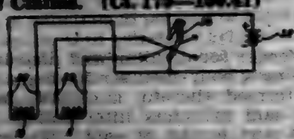


1. In a reproducer, a magnetic circuit, a moving system comprising a pair of spaced coils in operative relation to the circuit and a stylus for driving the coils and resilient means supporting the system between the coils for both lateral and vertical vibrations of the stylus.

2,027,169

VIBRATION TRANSLATING DEVICE

Henry C. Harrison, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 29, 1934, Serial No. 746,874
7 Claims. (Cl. 179—100.41)



1. In a vibration translating device, a generating element, a stylus connected thereto, means for supporting the element for vibration in different modes corresponding to different modes of vibration of the stylus, means for producing flux transversely of the element, and means for reversing the direction of the flux at one side of the element.

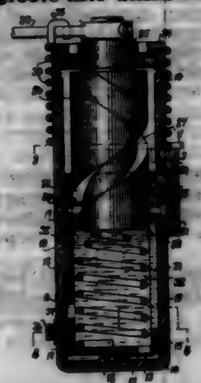
2,027,170

DOOR CHECK

Marcus B. Hemingway, New Haven, Conn.
Application May 29, 1933, Serial No. 673,552
1 Claim. (Cl. 16—53)

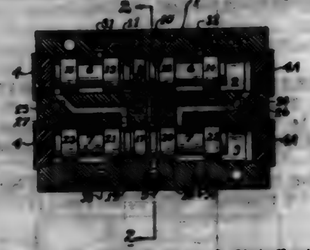
A door-check comprising a shell adapted to be mounted upon a door, a cup-shaped piston closely fitting said shell and axially movable therein, said piston formed on one side with a

longitudinal slot and on the opposite side with an opening, means to prevent the rotation of the piston, a by-pass intersecting said opening, a pin mounted in said piston opposite the slot, an actuator closely fitting said piston and formed with a spiral groove into which the said pin ex-



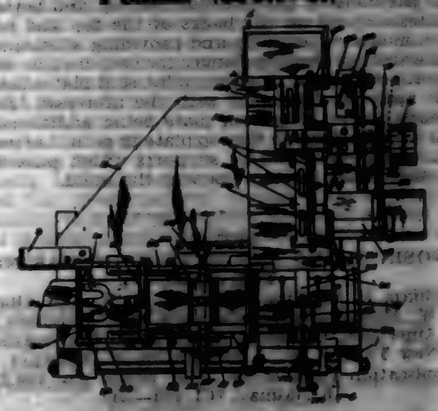
tends, said actuator being formed with a stud extending through the casing, arms connecting the stud with the door-casing, a spring seated in said piston and bearing against the lower end of the actuator so as to be depressed thereby, and a valve-opening in the bottom of the piston.

2,027,171
DIVISIONAL FEEDER
David R. Hillis, Detroit, Mich., assignor, by mesne assignments, to Trahan Engineering Corporation, Cleveland, Ohio, a corporation of Ohio
Application January 26, 1934, Serial No. 708,353
3 Claims. (Cl. 194—7)



1. A feeder for dividing and distributing fluids comprising a body-member having a pair of cylinders formed therein, a central passage connecting said cylinders intermediate their ends, an inlet port in one of said cylinders, two discharge ports in each cylinder, one on each side of said central passage, two pairs of passages connecting the said cylinders, each of said last named passages leading from one end of one cylinder to a point adjacent the entrance of the central passage in the other cylinder and between said central passage and a discharge port, the respective points of entry of the first pair of passages from the ends of the first cylinder extending beyond the opening of the central passage in the second cylinder, and the respective points of entry of the second pair of passages from the ends of the second cylinder being on the respective sides of the opening of the central passage therein nearest the end of the cylinder from which they lead, a reciprocating piston rod in each cylinder, and four substantially equally spaced-apart piston-type valves on each piston rod, the spacing of said valves on each rod controlling the flow of fluid through the feeder, permitting flow of fluid under pressure entering the first cylinder through the inlet port and entering into the second cylinder through the central passage to pass from the second cylinder into the first cylinder, alternately through the first pair of passages to one end of the first cylinder, while the other of the first pair of passages is in communication with a discharge port in the second cylinder, the piston type valves on the piston rod in the first cylinder alternately establishing communication between the inlet and second pair of passages at respective ends of the stroke of said piston rod and simultaneously establishing communication between a discharge port in the first cylinder and the other of the second pair of passages, each of the passages of said first and second pair acting at one time as an inlet port to a cylinder end permitting fluid to shift the piston rod in its respective cylinder to the opposite end and to hold it there until the piston in the other cylinder shifts and, on the return stroke of the piston, acting as a discharge passage for the fluid in front of the piston rod discharging the fluid to a discharge port in the other cylinder.

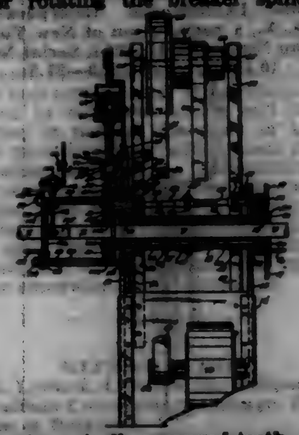
2,027,172
BAG FORMING MACHINE
Hans Iraschek, New York, N. Y., assignor to Mills Patent Holding Co., Inc., New York, N. Y., a corporation of New York
Application July 8, 1931, Serial No. 548,971
7 Claims. (Cl. 271—64)



2. In combination with a table for receiving articles to be moved in a desired direction, a member mounted upon the table to slide in the said desired direction, spaced arms pivoted intermediate their ends upon the member, spring pressed feet pivoted on the arms at one end thereof, a rod connecting the other ends of the arms, reciprocating power means connected to the rod, means to urge the arms normally to a non-engaging and elevated position, means to actuate the power means to move the arms to an engaging position and advance them over the table, and spaced stops on the slidable member to limit movement of the rod with respect thereto.

2,027,173
FLUE CLEANING MACHINE
Thomas J. Jackson and Joseph Alphonse Bekemans, Livingston, Mont.
Application September 21, 1932, Serial No. 634,118
2 Claims. (Cl. 29—81)

1. In a machine of the class described, means for guiding a flue endwise through the machine, a carrier guide, a scale breaker carrier having a spindle journaled in the guide for turning movement about an axis that extends substantially radially from the axis on which the flue guiding means holds a flue for endwise movement, a rotary scale breaker, a spindle fixed to the scale breaker, journaled in the carrier and extending substantially perpendicular to the first noted axis, means for rotating the breaker spindle, said



breaker having spirally arranged teeth, and manually operated means for turning the carrier spindle to adjust the breaker and change the angle of pitch of its teeth with respect to the direction of travel of the flue through the machine, said manually operated means including a bar intermediately fixed to the carrier spindle and set screws in the ends of the bar and engaging the carrier guide as a base of resistance.

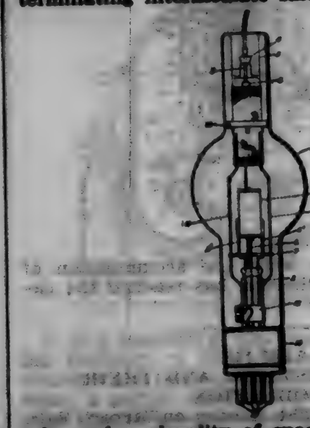
2,027,174
BALANCED DRIVING HEAD FOR MACHINES
Forrest F. Johnson, Spencer, Ohio, assignor to The Spencer Manufacturing Co., Spencer, Ohio, a corporation of Ohio
Application April 16, 1934, Serial No. 720,836
3 Claims. (Cl. 82—41)



1. In a driving head for machines, a face plate, a work center secured in said plate, a driving dog for work supported by the work adjacent said center, said dog having a plurality of driving tails, and a floating connection between said face plate and said tails comprising driving pins normal to the surface of said plate and journalled thereon for rocking with respect to said plate in finding a driving contact with said tails, and means for adjusting the journals of said pins radially of said face plate.

2,027,175
GRID CONSTRUCTION OF ELECTRIC DISCHARGE DEVICES
George K. Kalmbach, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 8, 1930, Serial No. 487,372
2 Claims. (Cl. 250—27.5)

1. An electric discharge device comprising an elongated envelope terminating in remotely positioned stems and containing an anode supported from one of said stems, a cathode supported from the other of said stems, an ionizing medium at a pressure sufficient to support an arc-like discharge between said anode and cathode, an electrostatic control member closely surrounding the discharge path at the anode end thereof and terminating intermediate said anode and cath-



ode, and a plurality of spaced conducting elements supporting said control member from said other of said stems, said elements being solely interposed between the walls of said envelope and the portion of said discharge path between said control member and said cathode and being wholly remote from said discharge path.

2,027,176
METHOD FOR MAKING PIPE COUPLING PARTS
James F. King, Cranston, R. I.
Application August 24, 1935, Serial No. 37,663
5 Claims. (Cl. 29—157)

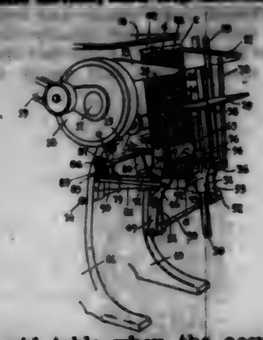


4. The method of making pipe coupling parts which comprises, forming a hollow, two-diametered shape in which each portion of substantially uniform diameter is of generally cylindrical form, forming internal threads adjacent to one end of each portion of substantially uniform diameter, and separating the shape into separate parts along a line located substantially at the meeting line of the portions of different diameters and by the same operation forming an external shoulder and seating surface upon one of said portions.

2,027,177
PILE LOWERING DEVICE FOR PRINTING PRESSES
Abel Kluge and Emeral Kluge, St. Paul, Minn., assignors to Brandtjen and Kluge, Inc., St. Paul, Minn., a corporation of Minnesota
Application March 24, 1933, Serial No. 662,563
16 Claims. (Cl. 271—88)

1. The combination with sheet delivery means, of a lowering device including a table for accumulating the delivered sheets thereon in a pile, means for lowering the table, trip-means for interrupting the operation of said table lowering means, said trip-means being controlled by the height of the pile to maintain the uppermost

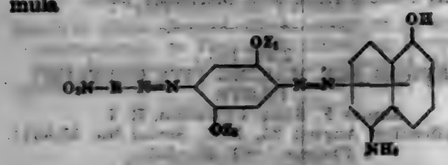
sheet thereof substantially in a given plane during the accumulation of sheets within the capacity of the device, said trip-means being actu-



ated by said table when the accumulation of sheets in the pile thereon has reached the capacity of the device.

2,027,178
DISAZO DYESTUFFS AND THEIR PRODUCTION
Arthur Howard Knight, Ashton-on-Mersey, Sale, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 8, 1934, Serial No. 714,750. In Great Britain March 11, 1933
3 Claims. (Cl. 260—84)

1. An azo compound represented by the formula



wherein R is an arylene radical of the benzene series without water-solubilising groups, while Z_1 and Z_2 individually represent lower alkyl groups.

2,027,179
PISTON
Arnold Lack, Chicago, Ill., assignor to H. H. Shockey, Chicago, Ill.
Application August 18, 1932, Serial No. 629,649
2 Claims. (Cl. 121—49)



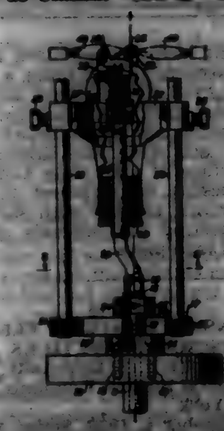
1. In combination, a circular piston carrier, a lug projecting radially therefrom, a hollow truncated toric piston having an aperture in the wall thereof adapted to be penetrated by the lug, the piston having opposed flat faces radially disposed with respect to the piston carrier, the walls of the lug being generally parallel to the radius of the piston carrier, the interior walls of the piston being parallel and adapted to be contacted by the lug walls, aligned apertures in lug and piston walls, having a central axis parallel to a tangent to the carrier, the apertures in the piston walls increasing in cross sectional area from inside outwardly and being irregular in contour, a holding pin extending through the apertures and enlarged at its ends to completely fill the apertures in the piston wall, the enlarged portions of the pin being substantially flush with the piston faces.

2,027,180
ELECTRON DISCHARGE DEVICE
Joseph P. Laico, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 17, 1934, Serial No. 753,447
10 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an enclosing vessel having a stem, a plurality of electrodes within said vessel including an electron emitting cathode supported from said stem, a grid surrounding said cathode, an anode surrounding said grid, said anode having an eccentric thickened portion, a leading-in wire extending from said grid, and a leading-in wire anchored in the thickened portion of said anode, both of said leading-in wires individually supporting the respective electrodes, said wires being sealed through the end of the vessel remote from said stem and arranged offset with respect to the axis of said vessel.

2,027,181
SEALING-IN MACHINE
Joseph P. Laico, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 1, 1934, Serial No. 755,115
15 Claims. (Cl. 49—5)

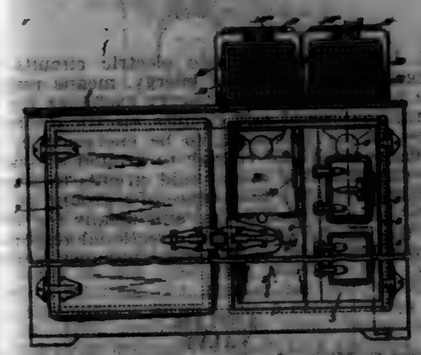


1. A head for a sealing-in machine comprising a bulb holder, a rotatable base supporting said bulb holder, and means for offsetting said bulb holder with respect to the axis of said base.

2,027,182
HYDROGENATION OF ALIPHATIC ALCOHOLS AND ESTERS
Wilbur A. Lazier, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 19, 1931, Serial No. 517,121
5 Claims. (Cl. 260—156)

1. In the process of catalytically hydrogenating a mixture of higher saturated and unsaturated alcohols and esters of said alcohols with both saturated and unsaturated acids, which mixture is produced by dehydrogenation and condensation effected by passing the vapor of a primary alcohol of more than one carbon atom over a dehydrogenating catalyst at a temperature of 250° to 500° C. and at a pressure above 10 atmospheres to form the ester corresponding to said primary alcohol, the step which comprises contacting said mixture and hydrogen with a hydrogenating metal catalyst at a temperature of at least 50° C. and under superatmospheric pressure.

2,027,183
REFRIGERATOR
Carl E. L. Lipman, Chicago, Ill., assignor to Lipman Patents Corporation, Chicago, Ill., a corporation of Delaware
Application July 28, 1932, Serial No. 625,395
3 Claims. (Cl. 62—116)

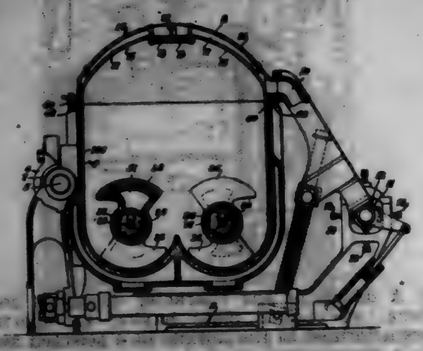


1. A refrigerator comprising a cabinet having a plurality of independent insulated compartments therein having independent doors thereto, one compartment being within the other and having its door within the outer compartment, a cooling element in each of said compartments, an individual control for each of said elements, and means for circulating refrigerant through each of said elements independently of the other elements.

2,027,184
VULCANIZATION ACCELERATOR
Wilhelm Lommel, Leverkusen-Wiesdorf, and Rudolf Schröter, Leverkusen-I. G. Werk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 4, 1933, Serial No. 650,126. In Germany January 5, 1932
2 Claims. (Cl. 18—53)

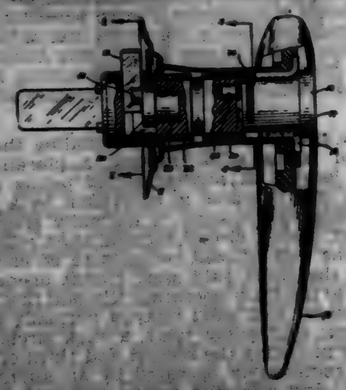
1. The process which comprises incorporating with rubber sulfur, a vulcanization accelerator other than an aliphatic amine and a primary aliphatic amine possessing a straight or branched aliphatic chain of more than 5 carbon atoms.

2,027,185
MIXING MACHINE
Evarts G. Loomis, Newark, N. J.
Application June 18, 1934, Serial No. 730,591
6 Claims. (Cl. 259—164)



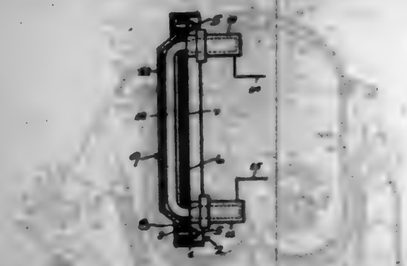
1. In a machine of the class described, a mixing chamber, a shaft extending through the chamber and having an end projecting out of the same, a paddle member having a tubular body of a length less than the distance between the walls of the mixing chamber so that said paddle member may be placed within the chamber through the open top thereof without disassembling the chamber, means for securing the paddle member on the shaft, said paddle member having blades and a continuous fluid passage extending through its tubular body and through the blades, a passage extending through the shaft and connecting with one end of the passage extending through the body of the paddle member, and an exhaust passage leading from the opposite end of the tubular body portion and passing through and out of the shaft.

2,027,186
LOCK
Charles E. Lowe, Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn.
Application October 31, 1929, Serial No. 403,718
19 Claims. (Cl. 70—61)



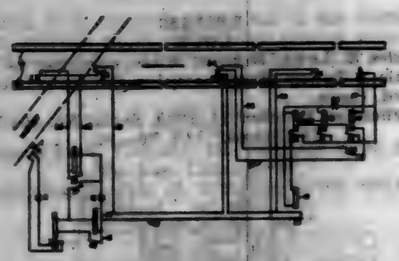
2. In a lock, a cylinder, a key plug, retaining means carried by said plug and normally cooperable with the cylinder to maintain the plug within said cylinder, a part of said cylinder being adapted to actuate said retainer said retaining means inoperative when said plug is key operated to a designated position.

1,927,127
ILLUMINATED SIGN LETTER
Romeo A. Luna, San Francisco, Calif.
Application May 16, 1934, Serial No. 725,915
3 Claims. (Cl. 40—130)



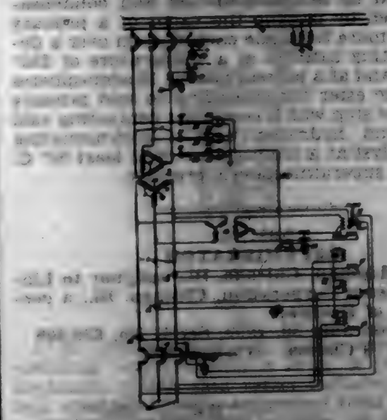
1. A device of the character described comprising, an opaque plate having an aperture therein formed in the outline of a selected symbol; a translucent sheet having a symbol embossed thereon and conforming to the outline of the aperture; a closure arranged on the rear side of the plate having the aperture therein; and a tube containing illuminating gas having its opposite terminals supported on the closure and the mediate portion thereof being formed to match the contour of the symbol and being confined on the rear side of the translucent sheet within said embossed symbol.

1,927,128
HIGHWAY CROSSING SIGNALING SYSTEM
Daniel J. McCarthy, Elgin, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 23, 1934, Serial No. 727,626
6 Claims. (Cl. 246—126)



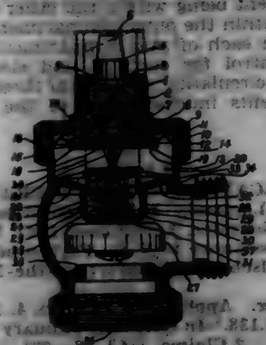
1. In a signaling system for signaling the approach of trains at a crossing, a plurality of contacts located at predetermined points along the track and operable in succession by a train approaching the crossing, a normally energized start relay, a stick circuit for said start relay including the first of said contacts to be encountered by the train, said stick circuit opened in response to the train operating the said first contact to release said start relay, a normally energized signal controlling relay, a stick circuit for said relay including the second and third of said contacts successively operated by an approaching train, slow releasing means initiated in response to the release of said start relay, means operated by said slow-releasing means for shunting the said second contacts after a predetermined time to maintain the stick circuit of said signal controlling relay only in case the said second contacts are operated after said second train operated contacts are shunted, and the operation of said third contacts by the approaching train thereafter opening said stick circuit to release said signal controlling relay.

1,927,129
CONTROL AND PROTECTION OF ELECTRIC CIRCUITS
Willard J. McLachlan, Scotia, N. Y., assignor to General Electric Corporation, a corporation of New York
Application March 24, 1934, Serial No. 717,318
7 Claims. (Cl. 175—294)



1. In combination, two electric circuits arranged for exchange of energy, means responsive to the direction of energy exchange for interrupting one of said circuits, electric discharge valve means connected to be energized in accordance with the voltage to ground of one of the conductors of one of said circuits to become conductive on the occurrence of a ground on another of said conductors, and means for varying the sensitivity of said directional responsive means when said valve means becomes conductive.

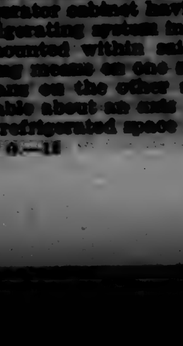
1,927,130
VALVE
Robert G. Miner, La Crosse, Wis., assignor to The Trane Company, La Crosse, Wis.
Application March 31, 1933, Serial No. 12,282
8 Claims. (Cl. 251—139)



3. In a poppet valve, a valve body with ports therein, a valve seat, a valve head closing said valve seat, a valve stem attached to said valve head, a flexible disc sealing the top of said valve body, means outside said body for imparting mo-

tion and pressure to said disc, and means within said body to transmit and multiply the motion to said valve head, said last-named means comprising a fulcrum plate, and unattached levers, said fulcrum plate having a convex upper face and a lower face with a flat annular surface, the upper convex face of said fulcrum plate being in contact with said disc and said flat annular surface in contact with said unattached levers intermediate their ends, the ends of each unattached lever bearing respectively on a fixed support and on said valve stem.

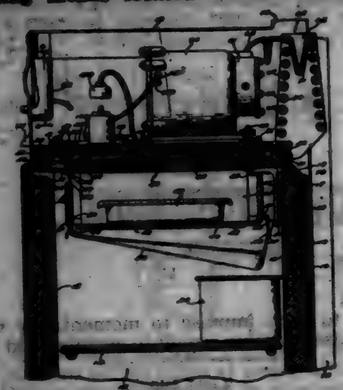
1,927,131
COMBINATION PROJECTOR AND SOUND-REPRODUCING ASSEMBLY
William J. Merriney, Brooklyn, N. Y.
Application January 18, 1932, Serial No. 587,633
9 Claims. (Cl. 88—16.1)



1. In a projector, a film carrying both a picture record and a sound record, a lamp house, a socket supported in said lamp house, an incandescent lamp supported in said socket, a reflector positioned to one side of said lamp, a condensing lens positioned on an opposite side of said lamp in line with said filament and said reflector whereby the greater portion of light from said lamp is formed into a beam having an axis at right angles to said lamp house and adapted to be utilized for projecting pictures, an optical scanning unit adjacent to said lamp and having its center axis in line with filament and at right angles to said first axis, a cylindrical housing closely adjacent to said lamp house having a portion thereof forming a sound gate and including an opening formed therein in line with said scanning unit and said filament, a light sensitive cell positioned within said housing with its active elements positioned to receive light passing in a straight line from said filament through said scanning unit, and means for moving said film through said sound gate to cause said sound record to modulate the light passing to said cell.

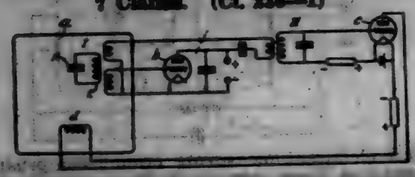
1,927,132
REFRIGERATING SYSTEM
Glenn Muffly, Scarsdale, N. Y.
Application August 27, 1931, Serial No. 559,476
17 Claims. (Cl. 62—116)

1. A refrigerator cabinet having a refrigerated space, a refrigerating system including a support swingably mounted within said cabinet having heat absorbing means on one side and heat dissipating means on the other side, said support being swingable about an axis adjacent the rear wall of said refrigerated space so as to bring the system into operative position with said heat absorbing means located in said refrigerated



space and said heat dissipating means outside of said refrigerated space.

1,927,172
THERMOSTAT ARRANGEMENT
Herbert Muth, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application September 15, 1933, Serial No. 689,505
In Germany September 21, 1932
7 Claims. (Cl. 236—1)

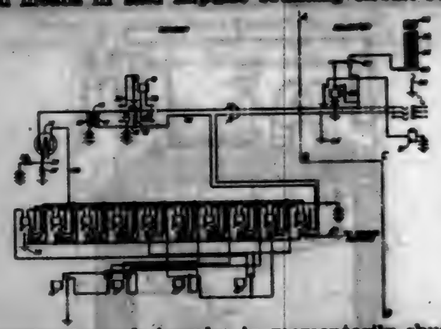


1. An arrangement for controlling temperature comprising a container, an oscillating circuit comprising a condenser and an inductance within said container, the natural frequency of said circuit varying with its temperature, a tube generator coupled to said circuit whereby said circuit controls the frequency of electrical oscillations produced by said generator, a tuned circuit coupled to said generator, a rectifier connected to said tuned circuit and means responsive to the output current flow of said rectifier for controlling the temperature of said container.

1,927,184
TELEPHONE SYSTEM
Oscar Myers, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 20, 1934, Serial No. 736,144
6 Claims. (Cl. 179—16)

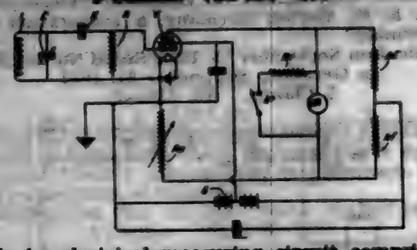
1. In a telephone system, an impulsing device, an impulse responsive device, a control circuit extending from said impulsing device to said responsive device, a gaseous discharge tube at said responsive device having its grid inductively connected with said circuit and normally negatively biased below the ionization potential of said tube, an impulse counting circuit connected to the anode of said tube, means controlled by said impulse device for causing surges of potential through said inductive connection for intermittently rendering the grid of said tube sufficiently less negative to cause said tube to intermittently ionize and

produce impulses in said impulse counting circuit, and means in said impulse counting circuit re-



sponsive to each impulse to momentarily shunt said impulse counting circuit to deionize said tube.

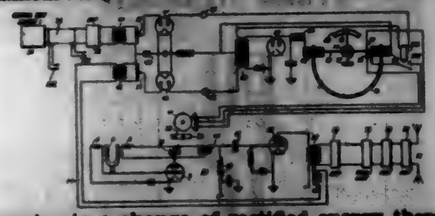
2,027,195
ELECTRICAL INSTRUMENT
Thomas Dixon Parkin, Broomfield, near Chelmsford, and Keith Stuart Webb, London, England, assignors to Radio Corporation of America, a corporation of Delaware
Application April 14, 1933, Serial No. 666,122
In Great Britain April 14, 1932
5 Claims. (Cl. 250—20)



1. An electrical measuring circuit comprising a calibrated input circuit, a thermionic valve including an anode, a cathode and a grid electrode with whose grid and cathode electrodes said circuit is coupled, and three additional impedances which, with the internal impedance of the said thermionic valve constitute a Wheatstone bridge, a measuring device being connected in one diagonal of the bridge and a source of potential for said anode in the other.

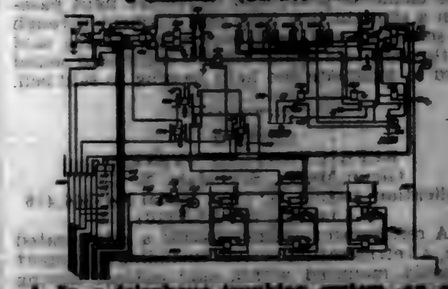
2,027,196
ELECTRICAL CONTROL SYSTEM
Arthur Pfister, Ridgewood Pinteau, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 14, 1932, Serial No. 637,715
1 Claim. (Cl. 250—36)

In an alternating current control system, a synchronizing source of oscillations and a local source of oscillations of approximately the same frequency as said synchronizing source, a first transformer having primary and secondary windings and a second transformer having primary and secondary windings, said synchronizing source being connected to the primary winding of said first transformer and said local source to the primary winding of said second transformer, a resistance connected across each secondary winding, a connection between said resistances, a pair of electron discharge devices each having anode, cathode and grid electrodes, the grid of one device being tapped to a point on one of said resistances intermediate its ends, and the grid of the other device being similarly tapped to the other resistance, the cathodes of said devices being connected together and to a point on the connection between said resistances, a third transformer having primary and secondary windings, one end of said last primary winding being connected to an anode of one of said devices and the other end of said primary winding being connected to the anode of said other device, a source of anode potential between said cathodes and the center of said last primary winding, a rectifier coupled to said secondary winding of said third transformer for rectifying the combined energies obtained from said two devices, means including a motor for varying the electrical constants of said local source of oscillations in either of two senses for restoring any departure of said local source from a predetermined relationship with respect to the synchronizing source, and means including a mechanical relay connected to said rectifier and re-



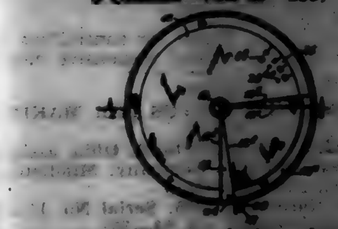
sponsive to a change of rectified energy therein of a value different from the resultant value obtained when a 90° phase relationship exists between energies of the two sources applied to said grids for driving said motor to compensate for said change, a switch comprising normally open contacts having an energizing winding connected between one end of the primary winding of said third transformer and the anode of that device whose grid is in circuit with said synchronizing source, said motor being connected through the contacts of said switch, means for biasing the grid of that device whose grid is in circuit with said synchronizing source substantially to cut off, whereby said energizing winding is normally responsive to the flow of current in said last mentioned device, due to said synchronizing source for closing its contacts, whereby the influence of said motor on said local source is only effective during continued current flow from said synchronizing source.

2,027,197
TRUNK CIRCUIT
Albert C. Fewell, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 17, 1934, Serial No. 753,449
6 Claims. (Cl. 179—37)



1. In a telephone trunking system, an operator's position, a plurality of calling lines incoming thereto and terminating in connecting plugs thereat, said receiving equipment thereat; control means common to said position for extending said calling lines to said receiving equipment, relay means associated with said lines and automatically responsive to calls thereon to connect said calling lines to said control means one at a time in a predetermined sequence and to cause said control means to extend such lines to the receiving equipment, an emergency jack arrangement, and circuit means associated with each calling line and responsive to connection of its associated plug with said emergency jack to connect such line to the control means and to cause the control means to extend the line to the receiving equipment independent of the sequence relay means.

2,027,198
SLICE MEASURING CAKE BOX
George W. Rappold, Maspeth, N. Y.
Application August 10, 1934, Serial No. 739,531
5 Claims. (Cl. 45—125)



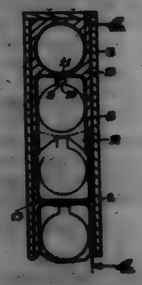
1. In a slice measuring device, a base, a disc rotatively centrally supported on the base and adapted to support a cake or the like, a removable cover on said base for covering said cake and having a sector shaped opening, a slidable cover section on said cover for covering said sector shaped opening, a stop for limiting opening of said slidable cover section to the size of the cut of said cake, and means for turning said disc when the cover section is moved in one direction, comprising a ratchet on said slidable cover section engageable with notches upon the rim of said disc.

2,027,199
CONDENSATION PRODUCT
Walter Reppe and Ernst Keyssner, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application November 15, 1933, Serial No. 698,674. In Germany November 23, 1932
11 Claims. (Cl. 260—2)

1. The process of producing condensation products which comprises causing acetylene to act at between about 100° and about 300° C. on a cyclic organic compound being hydroxylated in the nucleus in the presence as catalyst of an organic base having a strongly basic action and being capable of withstanding the reaction temperature, the base being inert to the said hydroxylated cyclic organic compound at the reaction temperature employed.

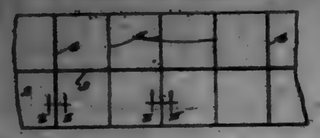
2,027,200
METHOD OF CONNECTING TUBES IN SERIES
James Robertson and George H. Purdy, San Francisco, Calif.
Original application April 16, 1934, Serial No. 720,822, now Patent No. 2,001,922, dated May 21, 1935. Divided and this application August 24, 1934, Serial No. 741,331
2 Claims. (Cl. 23—157.4)

1. In the method of connecting tubes in series, the steps which comprise slitting the adjacent side walls of a pair of substantially parallel tubes from a point at adjacent ends thereof to points toward their central portions, bending the side



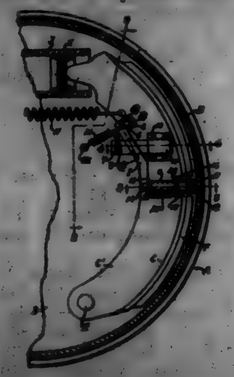
walls of the tubes outwardly at their slit ends so that portions of the tubes at points adjacent the slits therein overlap and are in engagement, and then forming the slit ends of the tubes into a substantially rectangular shape.

2,027,201
ROAD JOINT FORMER AND LOAD DISTRIBUTOR
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago, Ill., a corporation of Illinois
Application September 6, 1933, Serial No. 688,575
26 Claims. (Cl. 94—18)



1. A road joint former and load distributor comprising a channel base section having a closed bottom, a plurality of holder sections slidably engaged therein in reversed staggered relation and anchoring means struck therefrom.

2,027,202
SELF-ADJUSTING BRAKE
Frank C. Emeryk, Overland, Mo.
Application March 21, 1935, Serial No. 12,140
14 Claims. (Cl. 188—79.5)



1. A brake comprising a brake drum, a brake shoe movable toward and from said brake drum, a brake lining, said brake shoe being so arranged that predetermined clearance is present between

said brake shoe and said brake drum when the brake shoe is in inactive position, automatically adjusted means including elements capable of relative movement for maintaining said predetermined clearance as the degree of movement of the brake shoe toward the braking position is increased because of wearing away of the brake lining or expansion of the brake drum, and means for automatically re-adjusting said automatically adjusted means when said brake drum contracts after expansion thereof, the last-mentioned means during readjustment of said automatically adjusted means acting to change the relative positions of said relatively movable elements of said automatically adjusted means.

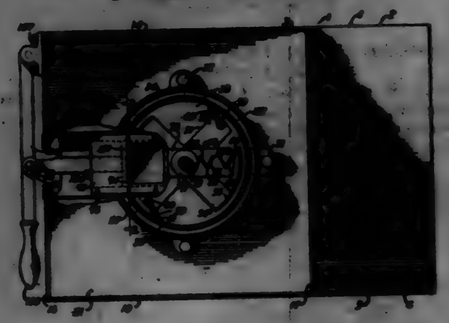
2,027,202

APPARATUS FOR FREEZING ICE CREAM AND SIMILAR MIXES

Albert H. Schneider, Carter Lake, Iowa, assignor to Baker Ice Machine Co. Inc., Omaha, Nebr., a corporation of Nebraska

Application April 20, 1934, Serial No. 722,154

4 Claims. (Cl. 259—9)



1. In a device of the character described, a cylindrical container for a mixture to be agitated, a driving shaft rotatably mounted in the axis of the container, a dasher head fixed to the driving shaft, a complementary dasher head, means for rotatably mounting the last named head at the upper end of the container in axial alignment with the driving shaft, scraper blades pivotally supported between the heads and arranged to propel the mixture in circumvolution around the wall of the container, a mixture dividing member, means for supporting the divider member in fixed relation to the container, and means on the dividing member having channels for admission of air to the mixture as it is divided by the dividing member for effecting the folding of air into the mixture during circumvolution by the scraper blades.

2,027,204

CONTROL AND PROTECTION OF ELECTRIC CIRCUITS

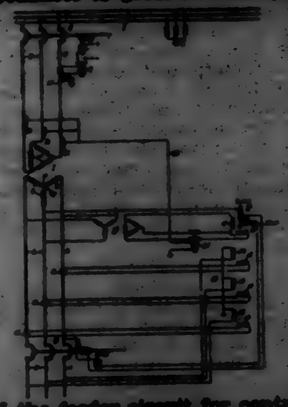
Hudson R. Searing, New York, N. Y., assignor to General Electric Company, a corporation of New York

Application June 22, 1934, Serial No. 732,049

Renewed November 12, 1935

7 Claims. (Cl. 175—294)

1. In combination, a three-phase feeder circuit, a three-phase network circuit, a transformer having windings connected to the feeder circuit and windings connected to the network circuit, means responsive to the direction of energy exchange between said circuits for interrupting the network circuit and means connected to be energized in accordance with the balance of the impedances to ground of the phase conductors of the feeder circuit for controlling the sensitivity of said directional responsive means.



2,027,205

METHOD AND APPARATUS FOR MAKING BAGS

William E. Stanley, Middletown, Ohio, assignor to The Raymond Bag Company, Middletown, Ohio, a corporation of Ohio

Application March 16, 1935, Serial No. 11,206

14 Claims. (Cl. 93—35)



1. A method of providing the intermediate plies of a multi-wall bag with serrated ends comprising feeding a plurality of superposed webs at uniform speed, separating said webs, forming in each intermediate web a plurality of series of openings, the adjacent series of openings in each web being spaced apart a distance approximately equal to the length of a bag section, applying paste to the inner surfaces of the two outer webs along transverse lines arranged to register with the transverse series of openings in the intermediate web, bringing said webs into contact one with the other, folding said webs longitudinally to form nested tubes, pasting the longitudinal edges of each tube one to the other, and severing said nested tubes into bag sections along transverse lines intersecting the respective series of openings in said intermediate webs.

2,027,206

AZO DYE AND PROCESS FOR ITS PREPARATION

Francis Harvey Steele, Woodstown, N. J., and Clayton Knox Black, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 4, 1932, Serial No. 627,474

21 Claims. (Cl. 260—99)

12. An dyes having the following general formula:



wherein R'' represents the radical of an aromatic coupling component, R' represents the radical of an aromatic amine of the benzene series, and X represents the radical of a dihydroxy-benzene.

2,027,207

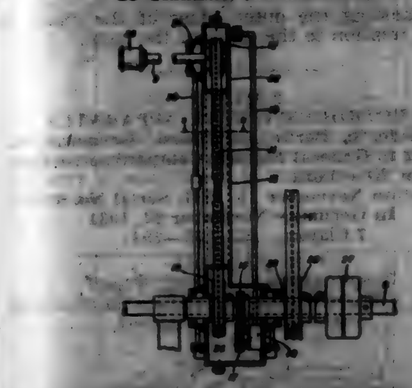
SOUND PICTURE APPARATUS

Edwin H. Smythe, Evanston, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 28, 1931, Serial No. 553,144

Renewed May 7, 1935

12 Claims. (Cl. 271—3.3)



1. A constant speed film driving mechanism for sound picture apparatus comprising a film driving sprocket having a pulley rigidly connected thereto, a main drive shaft having a pulley rigidly connected thereto, a belt arranged to positively engage said pulleys, a resistance filter arranged to resist forward or backward velocity variations in said driving mechanism and means whereby said belt may be directly subjected to the filtering action of said resistance.

2,027,209

IGNITION COMPOSITION

Charles Edwin Senson, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

Application November 19, 1934, Serial No. 753,778

In Great Britain November 21, 1933

10 Claims. (Cl. 53—4)



1. An igniter composition comprising zirconium and an easily ignitable lead salt of a nitrophenol.

2,027,209

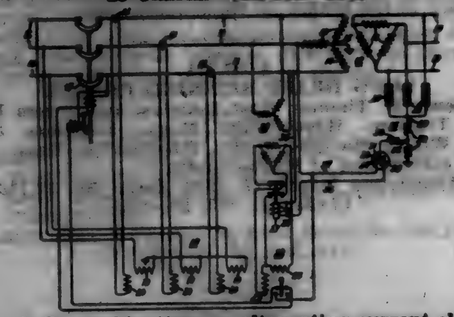
CONTROL AND PROTECTION OF ELECTRIC CIRCUITS

Frank M. Starr, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 20, 1934, Serial No. 717,078

Renewed February 5, 1935

15 Claims. (Cl. 175—294)



1. In combination, an alternating current electric circuit of the type wherein a ground on one conductor results in an increase in voltage between another conductor and ground, a normally non-conductive electric discharge valve having control and discharge electrodes, means for impressing an operating circuit voltage on said discharge electrodes insufficient to render said valve conductive, means for rendering said valve conductive when the voltage to ground of said other conductor of the circuit exceeds a predetermined value including an inverse potential impedance characteristic device and a substantially constant resistance device connected in series relation between said circuit and ground, the control electrode of said valve being connected to one of said resistance devices at a point thereof above ground potential.

2,027,216

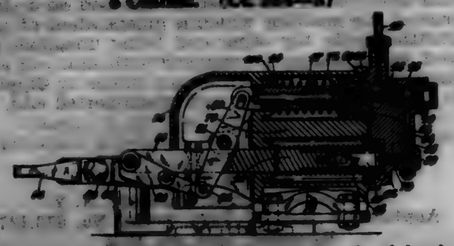
AIRCRAFT WHEEL BRAKE

Frederick John Tarvin, Silvertown, London, England, assignor to The India Rubber, Gutta Percha and Telegraph Works Company Limited, Aldwych, London, England, a British company

Application December 27, 1933, Serial No. 704,977

In Great Britain February 15, 1933

8 Claims. (Cl. 244—8)



1. For the operation of aircraft wheel brakes actuated by fluid pressure, a control mechanism comprising in combination a main control device to control the simultaneous operation of two sets of brakes respectively operative on wheels situated on opposite sides of the fore and aft centre line of the craft, a pair of auxiliary control devices and, to operate the latter, a rudder bar for the craft, each of which auxiliary control devices serves only one of the said brake sets and comprises a valve controlling the braking pressure in the respective brake set, loading means for

the valve operated in accordance with the extent of operation of the main control device, means for releasing the braking pressure and an actuator for connecting the said releasing means with the rudder bar of the craft whereby movement of the rudder bar can produce a differential braking effect by release of braking pressure in the brakes on one side of the aforesaid plane substantially without alteration of the braking pressure in the brakes on the opposite side.

2,027,211
LONG DRAFT SPINNING CRADLE
Henry L. Thomas, East Douglas, and James L. Truslow, Whitinsville, Mass., assignors to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application March 21, 1935, Serial No. 12,136
13 Claims. (Cl. 19—131)



1. A cradle for long draft spinning frames having its side walls constituted respectively of front and rear plate sections adapted to clasp about a draft roll, said sections on each side of the cradle occupying a common plane and closing on each other in edge to edge flush relation to form a smooth and a substantially continuous belt guiding surface around said draft roll.

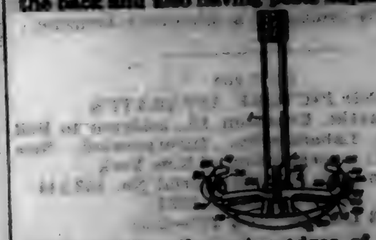
2,027,212
SPINNING FRAME
James L. Truslow, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application May 28, 1931, Serial No. 540,530
12 Claims. (Cl. 19—131)



1. In a spinning frame, a set of drafting rolls including a top roll, an apron finger permanently located in front of and parallel to said top roll, said finger being supported at one end on a rigid part of the machine which is independent of said drafting rolls, the other end being unsupported, and an endless apron engaged with said roll and finger and removable from said finger by slipping it sideways from under said unsupported end.

2,027,213
SAFETY RAZOR
William Venschgtt, Flushing, N. Y.
Application May 27, 1933, Serial No. 673,127
Renewed April 16, 1935
16 Claims. (Cl. 30—72)

1. In a safety razor having a back, a handle and a blade sharpened at both edges, a guard adapted to be placed over said blade adapted to resiliently hold the same and held by said handle in which the intermediate portions thereof are continuously open, providing a continuous open area behind the cutting edge of the blade and in which teeth are formed in the outer edges, with rollers rotatably mounted in the outer edges between the teeth, said guard having projections substantially in the corners of the ends adapted to hold the central portion of the blade against the back and also having posts adjacent the outer



edges holding the outer edges of the guard in spaced relation to the edges of the back.

2,027,214
ELECTRORESPONSIVE APPARATUS
Rolf Widerøe, Berlin-Karlshorst, Germany, assignor to General Electric Company, a corporation of New York
Application November 14, 1931, Serial No. 575,139
In Germany November 22, 1931
7 Claims. (Cl. 175—294)



2. In combination with an alternating current electric system, fault responsive protective means therefor including two electric discharge valves and means for selectively rendering one or the other of said valves conductive in accordance with the relative values of two alternating current magnitudes derived from the system including rectifying means connected to be energized respectively in accordance with said alternating current magnitudes.

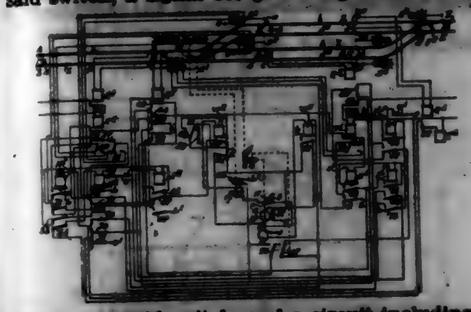
2,027,215
METHOD OF MAKING MOLDINGS
Lee L. Williams, Cleveland Heights, Ohio
Application March 27, 1934, Serial No. 717,613
4 Claims. (Cl. 183—38)



1. The method of making molding of the character described, which comprises bending side portions of a strip of rolled metal stock inwardly with respect to an intermediate portion of the strip whereby said intermediate portion forms the base of the molding and said side portions form wings which are adapted to be folded further to close the molding, and folding the metal of said intermediate portion and thereby thickening the same and in the same operation forming a groove for attaching devices on one side of the base and a rib on the other side.

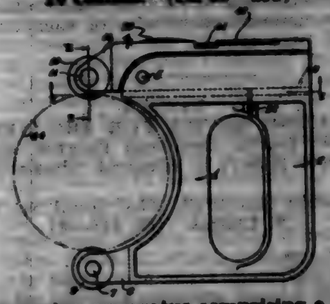
2,027,216
RAILWAY TRAFFIC CONTROLLING APPARATUS
Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 12, 1932, Serial No. 637,617
13 Claims. (Cl. 246—169)

9. In combination, a railway track switch, means for at times locking said switch, an approach relay energized if a train approaches said switch, a circuit including a front contact of said relay for operating said locking means to unlock said switch, a signal for governing traffic move-



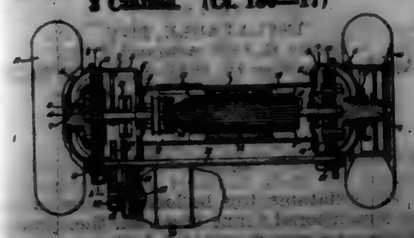
ments over said switch, and a circuit including a front contact of said approach relay and closed if and only if said switch is unlocked for clearing said signal.

2,027,217
INDICATOR
Paul F. Zophie, Cleveland, Ohio
Application January 28, 1932, Serial No. 589,491
10 Claims. (Cl. 33—169)



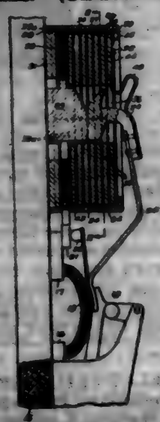
1. Measuring apparatus comprising a frame, a contacting element carried thereby, a lever pivoted to said frame, a shaft carried by said lever, a contacting element carried by said shaft and locked against axial movement thereon, another contacting element carried by the shaft, and free to move axially thereon, an indicator indicating the motion of the lever on the frame, and a second indicator indicating the motion of the last mentioned element on its shaft.

2,027,218
AXLE UNIT
Arthur P. Armington, Willoughby, Ohio, assignor to The Euclid Road Machinery Company, Euclid, Ohio, a corporation of Ohio
Application August 18, 1933, Serial No. 685,770
3 Claims. (Cl. 180—17)



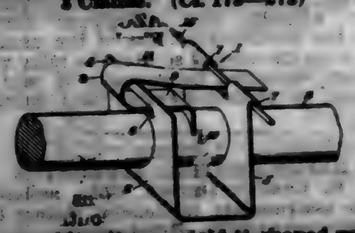
1. In a driving axle unit of the class described, a frame and housing including a central part and end parts with removable end covers, said parts being arranged to provide three enclosures, motor means in the central enclosure having shaft means extending into the end enclosures, wheel-carrying stub shafts extending through said end covers and bearing therein, gearing of planetary type arranged in each end enclosure to provide drive of its stub shaft by said motor shaft, each planetary gearing comprising a center pinion on said motor shaft, planet pinions mounted on the stub shaft, and a ring gear, and means providing for simultaneous actuation of said ring gears in opposite directions to cause steering actuation of said stub shafts.

2,027,219
CIRCUIT BREAKER
Walter M. Austin, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1932, Serial No. 645,278
17 Claims. (Cl. 200—144)



1. In electric circuit interrupting apparatus, in combination, means between which an arc may be established, a plurality of spaced metal plates surrounding the means for establishing the arc and disposed at right angles to the direction of the arc to provide an annular path for the arc, means to cause the arc to travel along the annular path between the plates, means of insulating material extending entirely around the periphery of the annular path to prevent movement of the arc therefrom, and said means of insulating material permitting outward flow of fluid from between the plates.

2,027,220
CLAMPING DEVICE
George O. Benson, Niagara Falls, N. Y.
Application December 16, 1931, Serial No. 580,109
2 Claims. (Cl. 173—273)



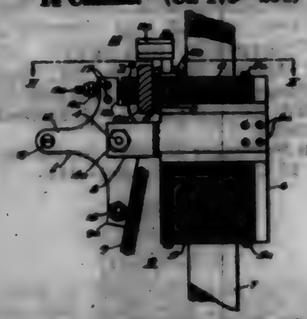
1. In combination, a rigid U-shaped yoke having its legs parallel and perforated, a conductor passing through perforations in said legs, cars on a free end of one of said legs to engage a second conductor, and a spring member having two legs

one of which presses against the first conductor and the other presses the second conductor against the ears, said spring member passing through a perforation in one leg of said yoke and being supported by said yoke.

2,027,221
DIRECT TRIP DEVICE

Myron A. Bostwick, Spokane, Wash., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 19, 1934, Serial No. 736,622
14 Claims. (Cl. 175—294)

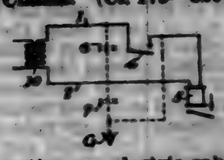


1. In an alternating-current direct-trip device, a movable tripping member operable to a tripping position, an electromagnetic actuating element energized solely in accordance with a current condition for moving said member to said position, and a second electromagnetic element energized in accordance with a voltage condition and a current condition for preventing movement of said member to said position except under predetermined conditions of current and voltage.

2,027,222
ELECTRIC CABLE

George W. Baughman, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Original application June 4, 1929, Serial No. 369,223. Divided and this application June 23, 1934, Serial No. 732,866
5 Claims. (Cl. 175—320)



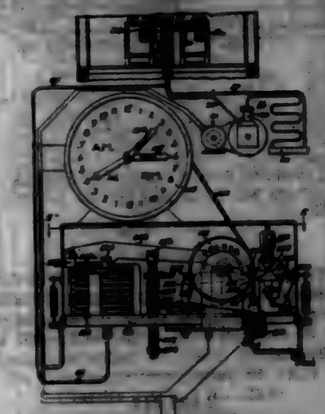
1. In combination, an electric cable comprising the usual longitudinal conductors, an additional conductor in the form of a cylinder enclosing said usual conductors; and a circuit including a source of current, one of said usual conductors, a contact, a relay and said cylindrical conductor; whereby said cylindrical conductor shields the electrostatic field of the usual conductor from the ground so that the relay will not be falsely energized by capacity if said usual conductor is grounded while said contact is open.

2,027,223
REFRIGERATING APPARATUS

Robert R. Carder, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware

Application March 22, 1929, Serial No. 353,682
26 Claims. (Cl. 62—4)

1. A refrigerating apparatus comprising a plurality of cabinets to be cooled, a plurality of evaporators in said cabinets, a refrigerant circulating line connected to said evaporators, a refrigerant circulating device connected to said line, said device being provided with an automatic adjustable controller for maintaining the refrigerant in

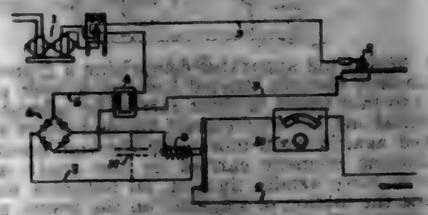


said evaporators within a predetermined temperature range, and means automatically adjusting said controller to vary the temperature range for a predetermined portion of each cycle of a series of time cycles.

2,027,224
INDICATING DEVICE FOR ARC WELDING

Bruce W. David, Cleveland Heights, Ohio, assignor to Robert E. Kinkead, Shaker Heights, Ohio

Application March 13, 1934, Serial No. 715,316
21 Claims. (Cl. 219—8)



1. In the art of arc-welding, the combination of an electric circuit including an arc-welding device and a source of current supply therefor, and means actuated only by the rapid pulsations of current or voltage caused by the transfer of molten metal from the welding electrode, for indicating when the arc-welding device is operated in a normal welding manner.

2,027,225
INFLATABLE TOY

Harry R. Gill, Ashland, Ohio

Application May 16, 1935, Serial No. 21,732
3 Claims. (Cl. 46—154)

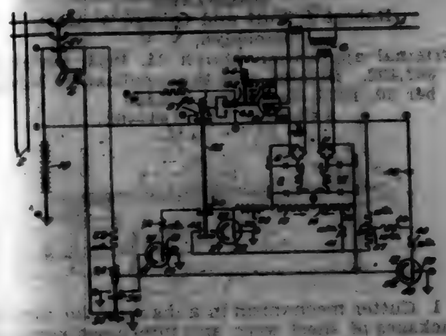


1. An inflatable toy balloon having a given three dimensional shape imparted thereto during forming, and which remains hollow and retains substantially said given shape in all three dimensions while deflated.

2,027,226
IMPEDANCE RELAY SYSTEM

Shirley L. Goldsborough, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 26, 1932, Serial No. 624,245
20 Claims. (Cl. 175—294)



1. An electron-tube impedance relay for responding to an impedance quantity of an alternating-current line, comprising, in combination, a three-element electron tube comprising an anode, a cathode and a control electrode, means for deriving a unidirectional relaying voltage responsive mainly to the line-voltage, means for deriving a unidirectional relaying current responsive mainly to the line-current, a plate-voltage source for the tube, a unidirectional biasing-voltage source for the control electrode of the tube, a plate-current-responsive means for performing a desired function in response to a predetermined change in the magnitude of the plate-current flowing in the anode-cathode circuit of said tube, the biasing-voltage source being of a magnitude close to, but slightly different from, the critical value at which said predetermined change in magnitude of plate-current will occur, means for deriving opposing biasing-circuit voltages from said relaying voltage and said relaying current, and means for so combining said derived biasing-circuit voltages with said biasing-voltage source as to produce said critical value of biasing voltage for conditions corresponding to a fault out on the line at a point slightly nearer than the balance-point of the relay, but not for conditions corresponding to a fault out on the line at a point slightly beyond said balance-point.

2,027,227
SHELF-TYPE LUBRICATOR

Wallace M. Gray, Cincinnati, Ohio

Application August 13, 1934, Serial No. 739,647
11 Claims. (Cl. 184—3)

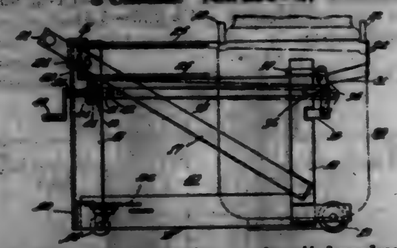


1. In a lubricator of the class described, the combination of a resilient shelf for supporting lubricating material alongside of a railway rail in position to be picked up by the flanges of car wheels passing over said rail, means for supporting the shelf along the rail to support the lubricating material in said position, and means for piling up a lubricant upon the upper face of said shelf to a height sufficient to reach the wheel flanges.

2,027,228
CIRCUIT BREAKER APPARATUS

Benjamin L. Hayford, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 29, 1934, Serial No. 717,975
3 Claims. (Cl. 254—3)



1. A transfer truck for a circuit breaker unit comprising a truck frame, wheels for supporting the truck frame, a pair of spaced arms pivotally connected to the truck frame and disposed to straddle the circuit breaker unit and engage the sides thereof, separate toggle mechanisms for raising one end of each arm to lift the circuit breaker unit, and means for operating both toggle mechanisms simultaneously.

2,027,229
ACCELERATED DIAZO PRINTING AND MATERIALS THEREFOR

Walter M. Hinman, Chicago, Ill., assignor to The Frederick Post Company, Chicago, Ill., a corporation of Illinois

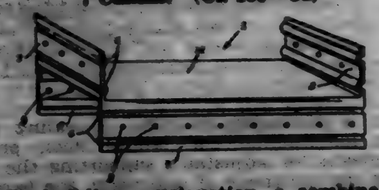
No Drawing. Application July 8, 1931, Serial No. 548,541
22 Claims. (Cl. 95—6)

1. A photographic article comprising a carrier having a thin layer of material containing a light-sensitive diazonium compound and the essential component parts of a light-sensitive salt, one component part being a higher oxide form of a metal having two oxide forms, and another part being organic in character and being a reducing agent under the influence of light for reducing the higher oxide form to a lower oxide form, the lower oxide form serving after its formation by light to aid in the decomposition of the diazonium compound.

2,027,230
BUILDING CONSTRUCTION

James E. Hoover, Oklahoma City, Okla.

Application March 31, 1934, Serial No. 718,371
7 Claims. (Cl. 189—34)



1. In building construction, a combination of units each comprising a rectangular sheet of flexible material having right angle parallel flanges at its side edges, and having right angle parallel flanges at its ends extending in an op-

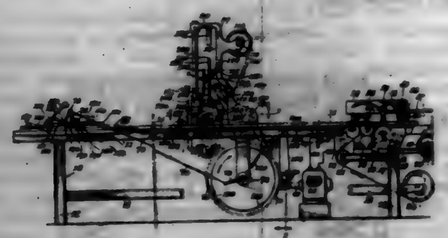
posite direction from the first mentioned flanges, said flanges each having a longitudinal groove for complementally forming a housing for a reinforcing element when the flanges of different units are fastened together.

2,027,231
CONTAINER
Robert J. Hutt and George A. Hutt, Brooklyn, N. Y.
Application January 21, 1933, Serial No. 652,802
5 Claims. (Cl. 229—5.5)



1. A container comprising side and end walls of multiple sheet paper, the sheets of the side walls being one greater in number than the end walls; the sheets of the end walls having triangular reinforcing extensions interposed respectively between the inner sheet and the next outer sheet of the side wall and between the next outer sheet and outer sheet of the side wall of the structure, said reinforcing extensions being permanently fixed in cross wall staggered relation and in circumferential equidistant positions between said sheets.

2,027,232
PACKAGING MACHINE
Robert J. Hutt and George A. Hutt, Brooklyn, N. Y.
Application March 24, 1933, Serial No. 662,493
7 Claims. (Cl. 93—2)



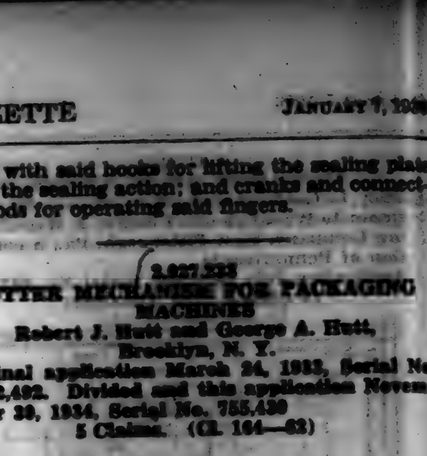
1. In a packaging machine, a sealing plate having longitudinal and lateral slots; presser bars; means for adjustably supporting the bars against the underside of said plate, the bars being located in registration with paste lines on webs to be sealed to form packages; hooks on said plate; opposed fingers for engagement with the top of said plate for applying added sealing pressure to the said webs and inversely for engagement with said hooks for lifting the sealing plate after the sealing action; and cranks and connecting rods for operating said fingers.

2,027,233
CUTTER MECHANISM FOR PACKAGING MACHINES
Robert J. Hutt and George A. Hutt, Brooklyn, N. Y.
Original application March 24, 1933, Serial No. 662,492. Divided and this application November 30, 1934, Serial No. 755,430
5 Claims. (Cl. 164—62)



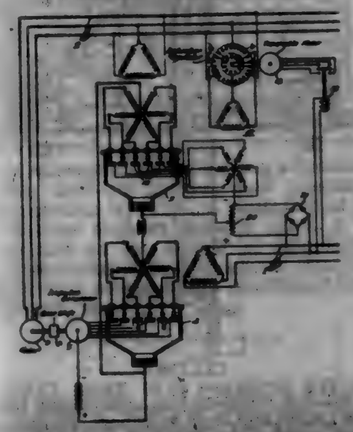
1. Cutter mechanism in a machine for forming packages of sheet webs and interposed contents; an oscillatory cutter for severing the webs at appropriate intervals; rotary cutters for trimming the edges of the webs and for guiding the same against lateral displacement; said cutters having alternate actions while said webs are passing through said machine; and means for actuating the cutters in the manner set forth.

2,027,234
SYSTEM OF CONTROL
Richard I. Kimball, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 15, 1934, Serial No. 715,626
7 Claims. (Cl. 172—179)



2. In a system of control, the combination with a supply circuit and a main dynamo-electric machine adapted to regenerate current into the supply circuit and having an armature and a field winding, of means for separately exciting the field winding during regeneration, relay means mainly responsive to the regenerated current for controlling the excitation of the field winding to regulate the regenerated current, and a manually operable controller for controlling the regenerated current independently of said relay means when it exceeds a predetermined value.

2,027,235
VOLTAGE REGULATION INVERTER
Hans Klemperer, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 17, 1934, Serial No. 740,224
In Germany August 22, 1933
7 Claims. (Cl. 171—97)



1. An electrical distribution system comprising an alternating current supply circuit, an alternating current load circuit operating at a frequency independent of the frequency of the supply circuit, a group of electric valves connected to the supply circuit, a second group of electric valves serially connected with respect to said first mentioned group of valves, said second group of valves being associated with said load circuit, control electrodes associated with said first group of valves, means for impressing control voltage on said electrode and means responsive to the voltage of the load circuit for varying the voltage supplied to the control electrodes.

2,027,236
COSMETIC APPLICATOR
Rella Lawry, Greenwich, Conn., assignor to Louis Philippe, Inc., Chicago, Ill., a corporation of New Jersey
Application July 17, 1934, Serial No. 735,558
2 Claims. (Cl. 132—79)



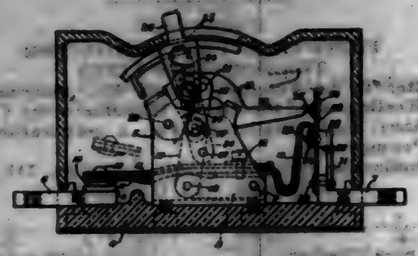
1. A lip-stick of plastic lip-rouge, the lip-stick comprising a small, substantially rigid body member consisting of a substantially cylindrical handle portion, and an extension from the handle portion, the extension being rounded; a substantial layer of paste cosmetic such as lip-rouge on the rounded extension, the layer being of substantially uniform thickness throughout, the cylindrical handle portion being in cross-section larger than the extension and its adhering charge of paste cosmetic; and a cover for the extension and the charge of paste cosmetic, the cover being in engagement with the section so that its walls are in spaced relation to the charge of paste cosmetic.

2,027,237
PILOT-WIRE PROTECTION FOR TRANSMISSION LINES
Lester B. Le Vesconte, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 11, 1934, Serial No. 747,914
14 Claims. (Cl. 175—294)



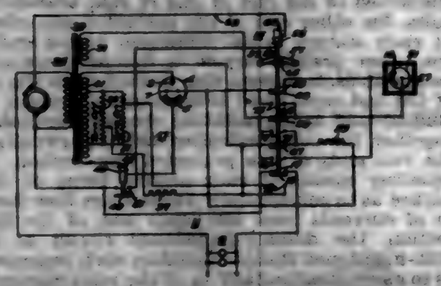
1. Protective means for an alternating-current line having two distant relaying stations at opposite ends of a line-section thereof, means for providing a communicating channel between said stations, line-current-responsive relay-current means at one relaying station for deriving a relaying current I_1 from said line, line-current-responsive relay-current means at the other relaying station for deriving a relaying current I_2 from said line, said relaying currents I_1 and I_2 being substantially equal in phase and magnitude when no current is withdrawn from or supplied to the protected line-section at any point intermediate of its ends, equalizer means at the first relaying station for providing two branch-circuits each traversed by substantially $\frac{1}{2}I_1$, equalizer means at the second relaying station for providing two branch-circuits each traversed by substantially $\frac{1}{2}I_2$, an operating-coil circuit and a communicating-channel circuit at each station, connected to the end of one of said branch-circuits, the other end of the operating-coil circuit at each station being connected to the end of the other branch circuit, a dummy-impedance means at each station, also connected to the end of the last-mentioned branch-circuit, means including said communicating channel for linking together the communicating-channel circuits at the two ends of the protected line-section, the equalizer means at each station being of such nature as to substantially exclude the flow therein of currents from the other end of the line-section, the dummy-impedance circuit at the first-mentioned station including such impedance as to cause substantially $\frac{3}{4}$ of the relay current I_1 to flow therein and to cause substantially $\frac{1}{4}$ of the relaying current I_1 to flow in the communicating-channel circuit at said station, the dummy-impedance circuit at the second-mentioned station including such impedance as to cause substantially $\frac{3}{4}$ of the relaying current I_2 to flow therein and to cause substantially $\frac{1}{4}$ of the relaying current I_2 to flow in the communicating-channel circuit at said station, whereby each of the communicating-channel circuits is traversed by a current of substantially $\frac{1}{4}(I_1+I_2)$, and each of the operating-coil circuits is traversed by a current of substantially $\pm\frac{1}{4}(I_1-I_2)$, and a differential-current relay at each station having an operating coil energized in response to the operating-coil circuit at its station.

1,827,226
CIRCUIT BREAKER
Tore Lindstrom, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application November 26, 1930, Serial No. 498,498
3 Claims. (Cl. 200—88)



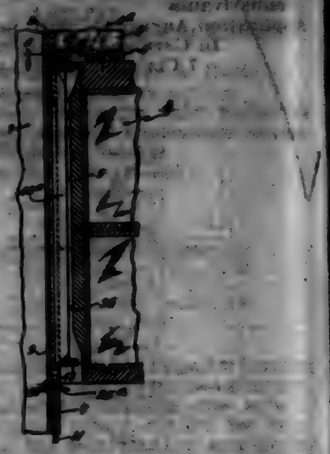
1. In a trip device for a circuit breaker, a conducting means having a pair of electrical terminal members connected in circuit with said circuit breaker and including a portion heated by the flow of current therethrough, and movable means of bimetallic material joined to the heated portion of said conducting means to permit flow of heat by conduction from said heated portion to said bimetallic means to cause deflection thereof to trip the circuit breaker, and means including a member of magnetic material affixed to said movable means and energized by the flux set up by the current flow in said heated portion to deflect said means of bimetallic material to trip the circuit breaker.

1,827,229
GRID-GLOW TUBE POSITION RELAY COMBINATION
Thomas H. Long, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 13, 1933, Serial No. 642,487
10 Claims. (Cl. 250—41.5)



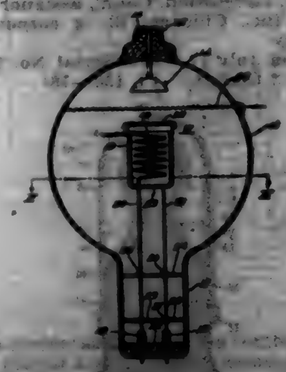
1. Apparatus for controlling the supply of power from a power source to a power consumption system comprising an electric discharge device and means for normally maintaining said device in a predetermined condition of excitation, means for varying the excitation of said electric discharge device, means actuated by said electric discharge device, when its excitation is so varied, to couple said power source to said power consumption system thereby to energize said power consumption system, means for locking said power consumption system in its energized condition and means actuated by said electric discharge device when its excitation is varied to revert said device to its normal condition of excitation.

1,827,240
WINDOW
Mark E. Lowry, Watertown, Mass.
Application September 6, 1930, Serial No. 480,311
3 Claims. (Cl. 20—48)



1. A window construction comprising relatively movable frame and sash members, guiding means including a rail secured to one of said members and a runner slidable thereon, means for locking said rail and runner in relatively fixed position, a link pivotally secured at one end to said runner and pivotally connected at its opposite end to the other of said members, and releasable retaining means operative to hold the sash member within the frame member.

1,827,262
THERMIONIC DISCHARGE DEVICE
Erwin F. Lowry, Whitinsville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 16, 1924, Serial No. 744,585
4 Claims. (Cl. 250—27.5)



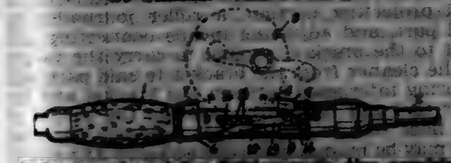
An electric discharge device comprising a container, a pocket in one end of said container, a vaporizable metal in said pocket, an anode at the other end of said container, an incandescible cathode intermediate said pocket and said anode, a plurality of shields between said cathode and said pocket and aligned openings in said shields for permitting a limited amount of direct heat radiation from said cathode to said pocket.

1,827,263
CAR DOOR
Gabriel Hackstedt, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application February 1, 1932, Serial No. 590,861
17 Claims. (Cl. 189—46)



3. In a railway house car having a door opening, a slidable door for closing said opening, said door comprising a panel, a plurality of spaced lifting devices secured directly upon a portion of said panel on the outside of said panel and means connecting said devices for simultaneous operation, said means being positioned upon the inside of said panel.

1,827,341
REEL SEAT FOR FISHING RODS
Ralph W. Miller, Glendale, Calif., assignor of one-half to [illegible], Los Angeles, Calif.
Application March 13, 1934, Serial No. 715,146
20 Claims. (Cl. 43—23)



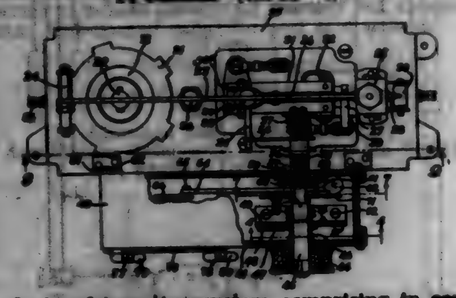
4. In a reel seat for fishing rods, the combination of a rod member, a clamping member slidable on said rod member, a U-shaped lever having its arms pivoted to opposite sides of said slidable clamping member with the ends of its arms projecting beyond its pivot, and links pivotally connected to the ends of the arms of said lever, and oppositely disposed T-headed studs at the sides of said handle member, said links being provided with a plurality of key-hole slots engageable with said studs when presented in alinement with the heads thereof, the pivots connecting said links to said lever arms being swung past the plane of the axis of the lever and said studs when the lever is swung to clamping position, thereby providing a locking toggle.

1,827,344
BALL ROLLING GAME
Albert S. Moorman, New York, N. Y.
Application October 5, 1933, Serial No. 692,282
7 Claims. (Cl. 273—121)



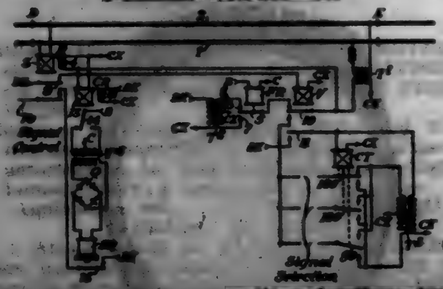
1. In a ball rolling game of the class described, a playing board having a ball shooter, said board having a primary playing field and a secondary playing field, a passage connecting said fields, a manually operable gate in said passage, said gate comprising a pin, a lever on which the pin is carried, and means for carrying the lever to rock the pin from an upright position to a horizontal position, the board having a slot therein to receive the pin in a horizontal position whereby the pin is removed entirely out of the path of the balls when it is in the horizontal position.

1,827,541
REFRIGERATING APPARATUS
James J. Nance, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application August 14, 1930, Serial No. 475,179
Renewed July 11, 1934
14 Claims. (Cl. 62—4)



1. A refrigerating system comprising in combination, a cooling element, means for circulating a refrigerating medium through said element, means for maintaining said element at a normal predetermined average temperature, manually actuatable means for temporarily modifying said second named means to obtain a temperature of said cooling element different from the normal average temperature thereof, and thermometrically operated means cooperating with said manually actuatable means and controlling the duration of effectiveness thereof, said thermometrically operated means being operable independently of said first and said second named means for automatically restoring the system to normal operation.

1,827,546
RAILWAY TRAFFIC CONTROLLING APPARATUS
Frank H. Nicholson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 20, 1932, Serial No. 638,780
3 Claims. (Cl. 246—34)



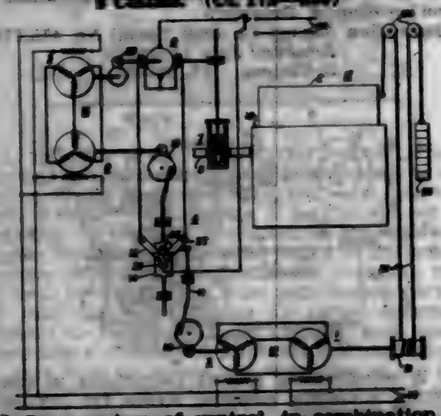
3. In combination, a section of railway track, a relay having two cooperating windings one of which receives current from the rails of said section, a source of current, means including a polechanger for supplying periodically and simultaneously reversed current to the track rails and

to the other winding of said relay, and traffic governing means controlled by said relay and effective when and only when both windings of the relay are supplied with current which is periodically and simultaneously reversed.

2,027,247
MOTOR CONTROL SYSTEM

Fred M. Parks, Marysville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 14, 1934, Serial No. 720,886
8 Claims. (Cl. 172—239)

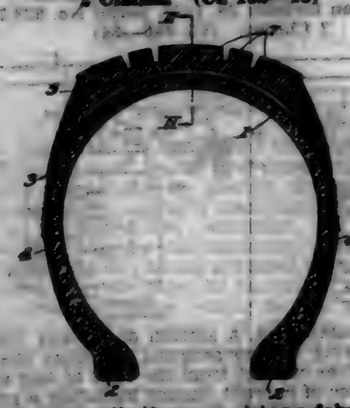


3. In a system of control, in combination, a member the position of which is to be controlled, a reversible motor coupled to aid in positioning said member in one or the other direction, a synchro-tie system including a transmitter motor and a receiver motor, said transmitter motor being coupled to said reversible motor, a shiftable member coupled to said receiver motor, a switch pivotally mounted on the shiftable member and adapted to control the direction of rotation of said reversible motor, and means adapted to tilt said pivotally mounted switch in response to movements of the first-named member.

2,027,248
PNEUMATIC TIRE CASING

Ralph M. Reed, Newark, Ohio, assignor to The Firestone Tire and Rubber Company, Newark, Ohio, a corporation of Ohio

Application August 7, 1933, Serial No. 684,991
2 Claims. (Cl. 152—13)



1. A pneumatic tire comprising a fabric carcass and a compound outer covering of rubber, said outer covering being composed of an outer tread and side wall layer of relatively hard high abrasive-resisting properties, an intermediate cap layer of a more resilient composition than the tread layer, and an inner layer adjacent said cap layer and of a softer and more resilient composition than the cap layer, the said inner layer containing antimony sulphide, rubber and zinc oxide, said intermediate cap layer containing approximately 44 parts by weight of zinc oxide per 100 parts of rubber and being relatively thin in cross-section as compared to the outer tread.

2,027,249
SUCTION CLEANER

Frederick Richel, Jr., Toledo, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware

Original application February 27, 1932, Serial No. 658,624. Divided and this application April 3, 1934, Serial No. 718,837
8 Claims. (Cl. 15—155)

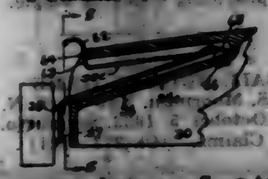


1. In a suction cleaner, a floor tool, a mounting including a bracket movably attached to the floor tool and having a projecting portion, a roller carrying part movably connected solely to said projecting portion, a roller journalled on said part, and adjusting means connecting said part to the bracket, serving to carry the weight of the cleaner from the bracket to said part, and a spring interposed between the bracket and the floor tool and resiliently carrying the weight of the floor tool to the bracket, whereby the floor tool may be manually depressed below any one of a series of normal riding positions determined by the balance between the weight of the cleaner and the tension in said spring when forced under said weight, and the position of adjustment of said part.

2,027,250
SUCTION CLEANER FLOOR TOOL

Frederick Richel, Jr., Toledo, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware

Original application February 27, 1932, Serial No. 658,624. Divided and this application April 3, 1934, Serial No. 718,837
6 Claims. (Cl. 15—155)

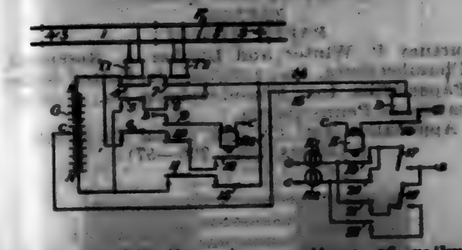


1. In a suction cleaner, a floor tool including an end socket, a mounting therein including a bracket and a leaf spring secured together, their free ends diverging toward the mouth of the socket, the spring being positioned above the bracket, and successively varied means formed in the spring near its free end, for adjustably engaging a fixed element of the upper wall of the socket near said mouth, for varying the spacing of the spring from said wall at said mouth, and a roller journalled on the free end of the bracket, adjustment being accomplished by moving said successively varied portion.

2,027,251
SIGNALING APPARATUS

James J. Vanhorn, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application August 19, 1933, Serial No. 685,515
8 Claims. (Cl. 246—124)



1. In combination, two sections of railway track, a polar relay provided with a line circuit comprising two wires, means operating when both of said sections are unoccupied to supply said line circuit with current of normal polarity, means operating as long as both of said sections are occupied to continuously supply said line circuit with current of reverse polarity, means operating when a train enters the first section while the second section is unoccupied to discontinue the supply of current to said line circuit, means operating when a train enters the second section while the first section is unoccupied to momentarily supply current of reverse polarity to said line circuit and to thereafter discontinue the supply of current to the line circuit, and indicating means for said sections controlled by said relay.

2,027,252
STRIPPING PRESS

Thomas F. Stacy, Piqua, Ohio, assignor to The French Oil Mill Machinery Co., Piqua, Ohio

Application February 10, 1934, Serial No. 710,692
13 Claims. (Cl. 100—50)



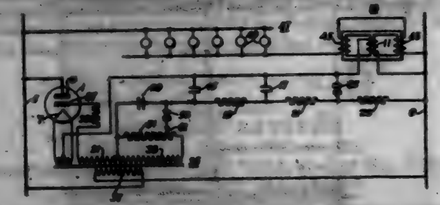
10. Control mechanism for a stripping press or the like, said press comprising a tank, a platen within the tank and movable across the same, hydraulic means including a variable delivery pumping device for actuating the platen in both directions across said tank, said control mechanism including means operable automatically by said platen at selected intermediate points in its travel across said tank for successively varying the rate of delivery of said pumping device and thereby varying the speed of travel of said platen in corresponding increments during its movement across said tank.

2,027,253
FLASHER CIRCUIT

William W. Vichaba, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 6, 1933, Serial No. 650,517
11 Claims. (Cl. 250—27)

1. In combination an electric discharge device having an anode, a cathode and a control electrode, a capacitor connected in series with said anode and cathode and between said cathode and said control electrode, the connection in series with said anode and cathode including a resistor connected in series with said capacitor, whereby

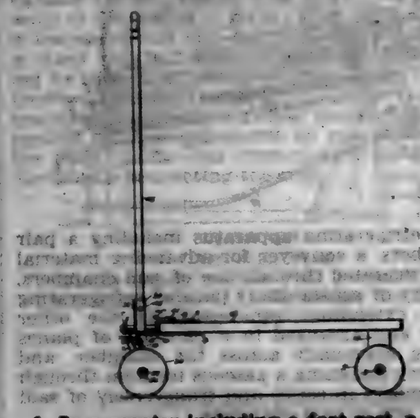


said capacitor is charged through said resistor by the current transmitted between said anode and cathode, and another capacitor connected in series with said anode and cathode but shunting said first-named capacitor and said resistor.

2,027,254
SCOOTER

Clarence Vogt, Wenonah, N. J.

Application October 12, 1934, Serial No. 748,116
11 Claims. (Cl. 280—87.5)



1. In a scooter including a foot rest, a bearing pivotally mounted at the forward end of said foot rest and disposed at a rearwardly inclined angle with respect thereto, a spindle rotatably mounted in said bearing, an axle-supporting bracket connected to said spindle and arranged for rotation therewith, and means embracing the spindle and engaging the bearing and said bracket tending to resist rotation of the latter and the spindle.

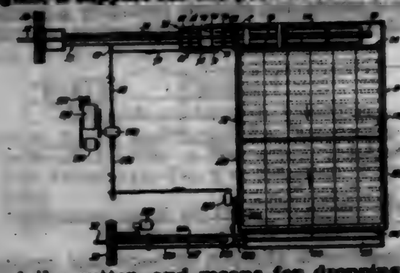
2,027,255
APPARATUS AND METHOD FOR CONTINUOUS SOLIDIFICATION AND SUBDIVISION OF ICE CREAM AND ANALOGOUS PRODUCTS

Clarence W. Vogt, Louisville, Ky., and Paul Phelps, Pleasantville, N. Y., assignors, by mesne assignments, to Vogt Processes, Incorporated, Louisville, Ky., a corporation of Delaware

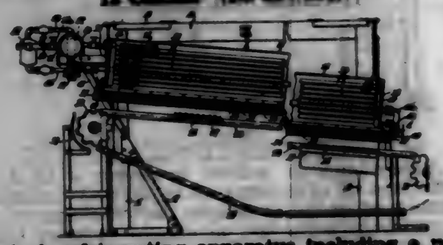
Application July 1, 1933, Serial No. 678,234
20 Claims. (Cl. 62—114)

1. An apparatus for producing frozen comestibles, including a conveyer for continuously advancing endwise a wrapped bar of partially solidified edible material, means for refrigerating the bar while it is in the conveyer, a bar cutter arranged beyond the conveyer, means operable after a predetermined length of the case hardened bar has been advanced beyond the cutter

for operating the cutter to sever it into measured lengths, a support for the portion of the bar beyond the cutter, and means for dropping from said support the portion of the bar thus severed.

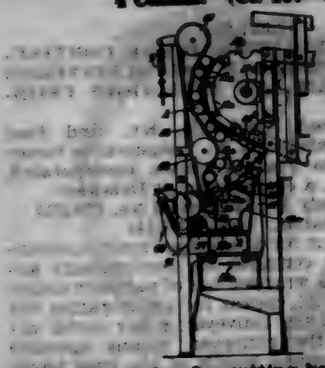


2,027,256
REFRIGERATING APPARATUS
Clarence W. Vogt, Louisville, Ky., assignor to Vogt Processes, Incorporated, Louisville, Ky., a corporation of Delaware
Application May 8, 1934, Serial No. 724,484
12 Claims. (Cl. 62—114)



1. A refrigerating apparatus including a pair of chambers, a conveyer for advancing material to be refrigerated through one of said chambers, a plurality of substantially parallel refrigerating conduits extending transversely in the other chamber and arranged in a plurality of planes extending diagonally across the chamber, and means for circulating a gaseous medium through said chambers in series and transversely of said conveyer and of said chambers.

2,027,257
CUTTER FOR BARS OF ICE CREAM OR THE LIKE
Clarence W. Vogt, Louisville, Ky., assignor to Vogt Processes, Incorporated, Louisville, Ky., a corporation of Delaware
Application June 23, 1934, Serial No. 732,048
4 Claims. (Cl. 107—22)



1. An apparatus for cutting bars into sections, including a pair of wheels having parallel vertically spaced axes and operating in succession to advance the bars, and a flexible belt having a portion substantially following the peripheries of the two wheels in opposition for preventing disengagement of the bars during their advancing movement by the wheels.

2,027,258
PAPER TOWEL
Courtney P. Winter and Dunbar A. Rosenthal, Chambersburg, Pa., assignors to United States Paper Mills, Inc., Chambersburg, Pa., a corporation of Pennsylvania
Application July 17, 1935, Serial No. 31,328
2 Claims. (Cl. 206—57)



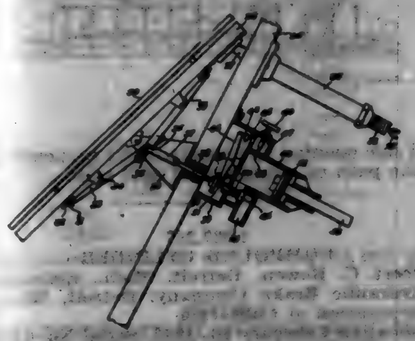
1. A paper towel consisting of an elongated sheet of paper having one end portion folded onto the central portion to constitute an intermediate body layer of the completely folded article, the other end portion being reversely folded onto the first end portion to constitute an outer body layer of the finished article, said intermediate layer having its end portion terminating at the second fold line, the three layers being folded adjacent to said second fold line to form a grasping flap.

2,027,259
AIR DISTRIBUTING MEANS FOR PASSENGER CARS
William B. Whitsell, Baltimore, Md.
Original application May 4, 1931, Serial No. 534,995. Divided and this application February 11, 1932, Serial No. 592,414
3 Claims. (Cl. 98—4)



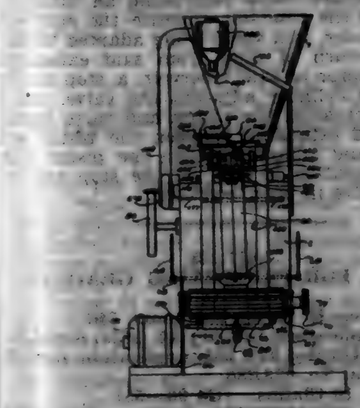
1. In an air distributing apparatus for railway cars, a distributing conduit extending longitudinally of the car and having at one end an inlet for supply of air under pressure thereto and having a series of longitudinally spaced lateral discharge nozzles, and arcuately curved baffle plates extending transversely of the conduit, and disposed one within each nozzle, for controlling the passage of air from the conduit to the nozzles throughout the series, the baffles of at least some of said nozzles being arranged at different points in their nozzles with respect to the axial centers of their nozzles to separate the associated nozzles into air passages of different effective widths in different nozzles.

2,027,260
FOOT-OPERATED TRANSMISSION
Lee Addison Wright, Jr., Burley, Idaho
Application December 13, 1934, Serial No. 757,287
2 Claims. (Cl. 192—3.5)



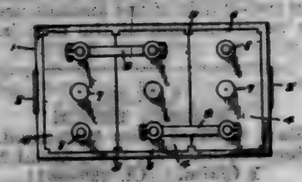
1. In a device of the class described, a drive shaft, a clutch for connecting the shaft to a motor, a driven shaft, a longitudinally movable shaft located between the two shafts, gears rotatably arranged on the longitudinally movable shaft, a countermember having gear teeth meshing with the gears, means for connecting one of the gears to the drive shaft, spring actuated keys carried by the longitudinally movable shaft and the gears having recesses therein for receiving the keys for connecting the gears to the longitudinally movable shaft, pedal means, means actuated thereby for moving the longitudinally movable shaft, vacuum controlled means for actuating the clutch, control means for the last mentioned means and pedal means for operating the control means.

2,027,261
BAG FILLING MACHINE
William D. Wright, Brockport, N. Y., assignor to Charles F. Babb, Jr., Webster, N. Y.
Application January 27, 1932, Serial No. 589,283
23 Claims. (Cl. 249—66)



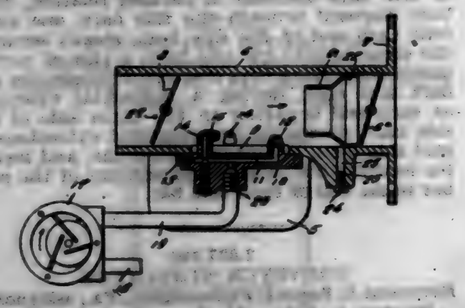
1. A bag filling machine of the class described, including bag filling mechanism and means for supporting a bag in filling position and for moving the same forwardly to a position in spaced relation to the filling means and downwardly to lower the bag when the bag is filled, a continuously moving endless conveyor provided with a frame and normally located below and spaced from the bag on said supporting means and receiving a filled bag when the same is lowered for carrying the filled bag outwardly from the bag filling mechanism and stripping the bag from the bag supporting means, and means for adjustably supporting the conveyor frame for arranging the endless conveyor at different elevations to suit the length of the bags being filled.

2,027,262
STORAGE BATTERY
Edgar W. Allen, Eldon, Mo.
Application September 5, 1934, Serial No. 742,823
1 Claim. (Cl. 136—166)



A storage battery comprising a main casing, handles for said casing, ribs formed on opposite walls of the casing to form guides, cells arranged in the casing and each comprising a complete unit in itself and including an auxiliary casing having its corners cut away to form end projections received by said guides and thereby removably mounted to said main casing and normally held against relative movement to one another and the main casing, and connectors detachably and electrically connecting the cells.

2,027,263
CARBURETOR
Julius Daniel Basher, Port Jervis, N. Y.
Application June 11, 1934, Serial No. 730,158
4 Claims. (Cl. 261—34)

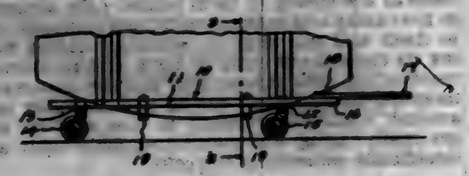


1. A fuel vaporizer comprising a float chamber, a single air induction tube constituting a mixing chamber having one end open and the other end adapted for connection to an intake manifold of an internal combustion engine, a throttle valve and a choke valve mounted in the tube and axially spaced from each other to provide a vaporizing compartment in an intermediate portion of the tube, a fuel conductor leading from the float chamber and terminating in the vaporizing compartment in a fuel jet discharging a fuel stream at right angles to the axis of the tube, one of the air nozzles discharging air under pressure at the mouth of the fuel jet at right angles to the fuel stream, and the other of said air nozzles discharging air under pressure at an angle to the air stream discharged by the first mentioned air nozzle.

2,027,264
MANUFACTURE OF ACID CALCIUM CITRATE
Alexander Hutcheon Bennett, London, England
No Drawing. Application January 31, 1935, Serial No. 4,469. In Italy July 12, 1934
4 Claims. (Cl. 260—112)

4. The process for the manufacture of acid calcium citrate which consists in adding successive amounts of a member of the group consisting of lime and calcium carbonate to a solution of citric acid and precipitating the acid citrate after each addition, each addition of lime or calcium carbonate constituting a substantial proportion of the total employed and said total comprising substantially two-thirds of the amount necessary for complete neutralization of the acid in the solution.

2,027,265
BARREL TRUCK
William A. Black, New Richmond, Wis.
Application February 24, 1934, Serial No. 712,835
1 Claim. (Cl. 254—61)



A barrel truck as set forth, comprising a frame structure, castor wheels secured to the frame at each corner thereof, said frame comprising a pair of side bars disposed in parallel relation, cross bars disposed beneath the side bars, one adjacent each end of the side bars, means securing the cross bars to the side bars, a pair of curved barrel supporting bars disposed between the end bars and each having a horizontal extension at each end engaging on the upper side of the side bars, means for securing said extensions to said side bars, a U-shaped nose bar, and means for securing the parallel end portions of the nose bar to an end of each side bar.

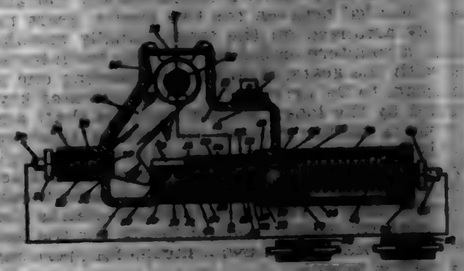
2,027,266
CONVEYER STRUCTURE
Hermann S. Bogaty, Philadelphia, Pa., assignor to Procter & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Original application August 1, 1931, Serial No. 553,529. Divided and this application June 15, 1934, Serial No. 730,827
9 Claims. (Cl. 198—181)

7. A conveyer structure comprising a train of normally vertical containers arranged to travel in a substantially horizontal path and each having a side opening for loading and unloading thereof, a door normally closing said opening and pivoted on a vertical axis substantially parallel to and adjacent the vertical edge of said side opening, means connecting said containers for relative lateral rocking motion with respect to said path, means for rocking the containers from said normal vertical position to a substantially horizontal position with the door closed opening underneath, and means for opening said door while a container is in said horizontal position to effect discharge of the contents thereof through



said side opening and substantially perpendicular to the path of movement of said train.

2,027,267
COMPOUND CYLINDER
Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application February 19, 1933, Serial No. 656,175
2 Claims. (Cl. 60—54.5)

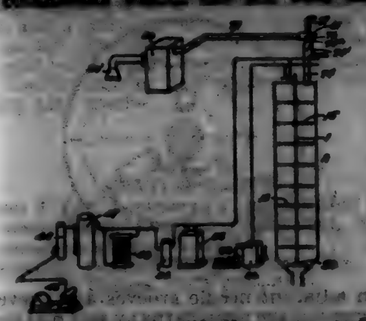


1. A pressure device comprising a reservoir normally containing a liquid, a cylinder in the bottom of the reservoir below the liquid level and having an open end communicating with the reservoir, said cylinder being adapted to discharge into and operate an expansible chamber motor, a return valve controlling an intake in the wall of the reservoir opposite the open end of the cylinder, said valve being adapted to control the return of fluid from said expansible chamber motor to said reservoir, a stop on the wall of the cylinder adjacent the valve, and a lever for actuating the piston and valve having its free end extending between the piston and the valve and adaptable when the piston is in retracted position to rest on the stop and retain the valve in open position.

2,027,268
MEANS FOR PRESERVING GRAIN IN STORAGE
Jesse H. Davis, Baltimore, Md.
Original application January 12, 1933, Serial No. 651,434. Divided and this application June 19, 1935, Serial No. 672,285
10 Claims. (Cl. 99—55)

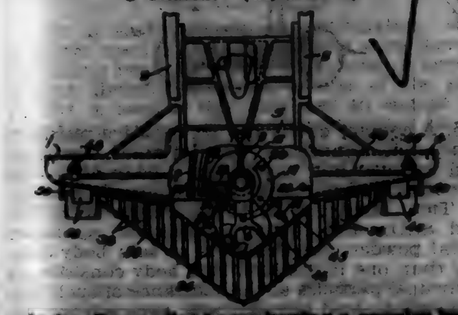
1. In an apparatus for storing and aerating grain, a grain storage bin, fluid conductors disposed at different levels in the bin and each having a plurality of radially arranged nozzles, a stand pipe connecting said conductors, a fluid conductor in communication with the upper end of the stand pipe, and a pipe arranged within the stand pipe concentrically therewith and provided with ports for communication with the fluid conductors within the bin, said pipe being ro-

tatable for selectively connecting any of said fluid conductors within the bin with the fluid



conductor connected with the upper end of the stand pipe.

2,027,269
LOCOMOTIVE PILOT, BUMPER, DECK PLATE, AND COUPLER STRUCTURE
Frederick H. Ekewaldson, Jr., West Hoboken, N.J.
Application December 6, 1934, Serial No. 756,251
6 Claims. (Cl. 213—4)



1. A railway pilot beam having a coupler housing formed unitarily therewith, a coupler mounted to swing horizontally on a vertical axis into and out of said housing, and a linkage connection between the coupler and bearing for locking the coupler in projected position with freedom of movement for service play.

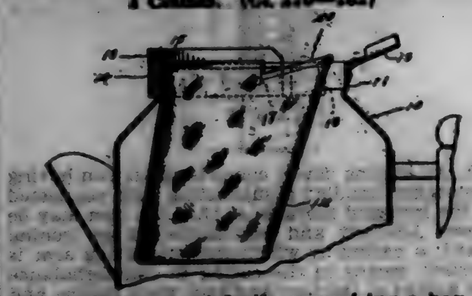
2,027,270
CANNING OF CRAB MEAT
Carl B. Fellers, Amherst, Mass.
No Drawing. Application February 20, 1935, Serial No. 7,255
23 Claims. (Cl. 99—11)

1. In the canning of meat from the "blue crab", "rock crab" or "sand crab", the improvement which comprises subjecting the meat to treatment, before initial discoloration, with an aqueous solution of a salt of the class of metals consisting of aluminum, zinc and tin, the concentration of said solution being such as to contain 50 to 500 parts per million, computed as metal, of said salt, sealing the treated meat in containers, and thermally sterilizing the meat in the containers after sealing.

2,027,271
PRODUCTION OF NEGATIVES WITH PHOTOGRAPHIC IMAGES THEREON OF ENHANCED QUALITY
Arthur Ernest Field, London, England
No Drawing. Application June 17, 1935, Serial No. 27,123. In Great Britain December 7, 1933
5 Claims. (Cl. 95—33)

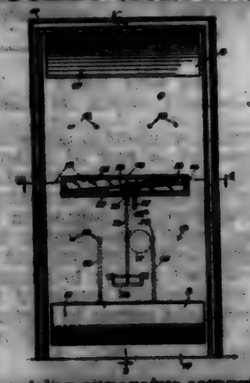
1. A process of treating a negative so as to obtain a photographic image thereon having improved tone-printing values, especially for use in photo-mechanical printing work; which process consists in subjecting a fixed negative to the action of a first solution comprising a bleaching reagent which produces on the plate a silver halide photographic image of positive appearance, then treating the plate with a second solution that is a solvent for the silver halide so as to effect the requisite retouching on the positive image without re-converting it to a negative image, and finally subjecting the plate to the action of a third solution which blackens the silver halide image thereby reconverting the image of positive appearance to a negative image.

2,027,272
COFFEE MAKING DEVICE
Herbert Bower Floyd, Cambridge, Ohio
Application February 18, 1934, Serial No. 711,648
1 Claim. (Cl. 216—163)



1. A device as set forth, comprising a bag, an arcuate resilient clamping member having a length greater than a semi-circle whereby to yieldably engage about the neck portion of a percolator, an arcuate shield member, and an extension carried by the bag disposed between the clamping member and the shield.

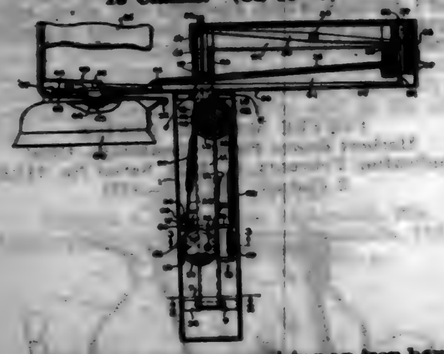
2,027,273
EXERCISING APPARATUS
Richard J. Perham, New York, N. Y.
Application May 27, 1933, Serial No. 673,276
5 Claims. (Cl. 273—148)



1. An exercising apparatus comprising a casing, a vertical guide located therein and connecting receiving and discharge openings for a thrown ball, an indicator comprising an inclined runway and a plurality of markers supported thereon and arranged to be released one at a time so as to pass from one end of the runway to the other, means for releasing the markers one at a time, said means comprising an operating element projecting into the guide to be at times struck by

the ball passing therethrough, and means in the guide to erratically control the direction of movement of the ball and its operation of the indicator on its passage from the receiving to the discharge opening.

2,027,274
IRONING DEVICE
Edwin E. Foster, Austin, Tex.
Application August 1, 1933, Serial No. 683,218
18 Claims. (Cl. 68—9)



1. An ironing device comprising an iron having a movable handle; a supporting arm connected to the iron and movable so that the iron may be moved laterally and lengthwise on an ironing board; a casing by which the supporting arm is carried; means in the casing to counterbalance the weight of the iron and arm when raising and lowering the iron and arm; and means operable by the actuation of the handle relative to the iron and passing through the supporting arm to remove the influence of the counterbalance when the iron is adjacent the material to be ironed.

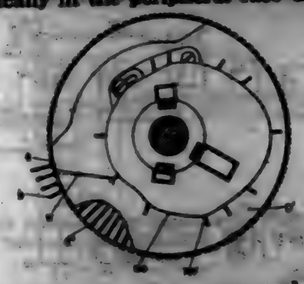
2,027,275
MECHANICAL MOVEMENT
Edwin E. Foster, Austin, Tex.
Application August 27, 1934, Serial No. 741,664
10 Claims. (Cl. 74—96)



1. A mechanical movement comprising a movable frame member, a pair of pulleys eccentrically mounted on the frame member, a cable system for the pulleys, a pair of springs mounted in said cable system, one spring in the normal position being under considerable tension and the other under slight tension, and means for rotating one of said pulleys to transfer the energy in the considerably tensioned spring into the slightly tensioned spring to perform a working stroke by utilizing the energy in the last-mentioned spring.

2,027,276
DIAL FOR KNITTING MACHINES
Ivan W. Grothey, Laconia, N. H., assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts
Application June 2, 1934, Serial No. 728,779
15 Claims. (Cl. 66—118)

1. In a machine for knitting body and wrap yarns, a needle dial having needle grooves, needles in said grooves, and yarn guiding grooves extending vertically in the peripheral face of said dial



between adjacent needle grooves and preventing engagement of the wrap yarns by said dial needles.

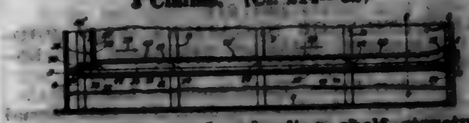
2,027,277
CONTACT DEVICE
Erich Habann, Berlin, Germany
Application August 27, 1930, Serial No. 478,206
In Germany August 16, 1929
13 Claims. (Cl. 201—63)



5. A contact device having negative resistance character, comprising two terminal electrodes, and between said electrodes a body of at least one substance selected from the group consisting of TiO_2, Mn_3O_4, ZnO, Cr_2O_3, Fe_2O_3, WO_3, CuO and SnO_2, and further containing conductive metal powder, the thickness of said body being less than one millimeter, said body consisting of individual particles of the substance of such fineness and pressed together with such a force that the contacts between the individual particles of the body will impart to the layer a decreasing current characteristic at constant temperature, said body being located in an atmosphere of oxygen at a pressure higher than atmospheric pressure, whereby regeneration of the material of the body is obtained.

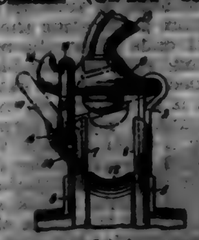
6. The method of producing negative resistance elements which consists in compressing a body of discrete particles of at least one material selected from the group consisting of TiO_2, Mn_3O_4, ZnO, Cr_2O_3, Fe_2O_3, WO_3, CuO and SnO_2, and passing through said body a high voltage electric current of low initial but slowly increasing intensity until puncturing of said body occurs, whereby the non-conductivity of said body is changed permanently into conductivity.

2,027,278
LOADING AND UNLOADING SHELF STRUCTURE
Charles William La Marsh, Alton, Ill.
Application January 5, 1935, Serial No. 574
3 Claims. (Cl. 214—82)



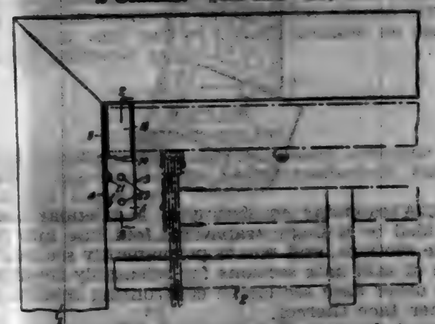
1. A loading and unloading shelf structure, comprising an upper and a lower track, said upper track having its rear end portion upwardly curved towards its rear terminus, a roller rotatably supported at the rear ends of said tracks, a pulley supported at the forward ends of said tracks, and a conveyor element including a foldable section travelling around said roller and upon said tracks and a section in the form of a cable travelling over said pulley and travelling between said tracks.

2,027,279
SNATCH BLOCK
William J. Lee, Lockport, N. Y., assignor to The Western Block Company, Lockport, N. Y., a corporation of New York
Application October 2, 1935, Serial No. 43,415
2 Claims. (Cl. 254—193)



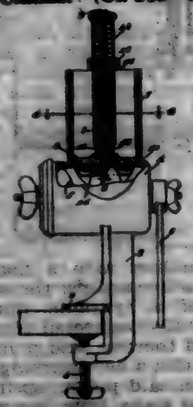
1. In a snatch block, in combination, shell members, open pockets on opposite sides thereof, a swinging head provided with a hook or horn, a support therefor mounted in one of the shell pockets, a loop or link arranged to engage the said horn, a support therefor mounted in the pocket on the opposite side, and a spring acting thereon, said spring having a shank fitted in said latter pocket and extending upwardly therefrom in position to engage the loop or link.

2,027,280
VENETIAN BLIND BRACKET
Carl Lindemann, Hackensack, N. J., assignor to Carl Lindemann Company, Inc., Jersey City, N. J., a corporation of New Jersey
Application October 12, 1934, Serial No. 748,168
2 Claims. (Cl. 156—17)



1. A Venetian blind supporting bracket comprising a body having a flat portion, a flange extending laterally to said flat portion along one edge thereof and an upstanding flange arranged at right angles to the first-mentioned flange, said first-mentioned flange having an overturned end presenting a section spaced from the second-mentioned flange and parallel therewith, said flat portion having an extending portion arranged centrally and at the upper edge thereof, said extending portion being provided with an apertured end portion arranged parallel to said second-mentioned flange, a hinge plate integral with said flat portion and spaced from said second-mentioned flange but in the same horizontal plane, and locking means hingedly connected with said hinge plate, said locking means having a laterally extending flange adapted to fit over part of said end portion of said extending portion, said locking means being of such a length that its flange resiliently fits over said end portion, said last-mentioned flange having a pressed out member adapted to snap into the aperture in said apertured end portion.

2,027,281
FOOD GRINDER
Louis J. Lista, Mount Shasta, Calif.
Application July 2, 1934, Serial No. 733,483
2 Claims. (Cl. 146—183)



1. In a food grinder, a hopper therefor, automatic feeding means for said hopper and including a plunger, guiding means for said plunger, a tube secured to and rising from said plunger, a tube having a closed upper end and telescopically mounted on the tube first mentioned, a spring arranged in the tube and engageable with the plunger and the closed upper end respectively, a cross bar detachably secured to the upper end of the hopper, and a clamping plate engageable with the outermost tube and together with the cross bar being provided with registering openings for the passage of the tubes therethrough.

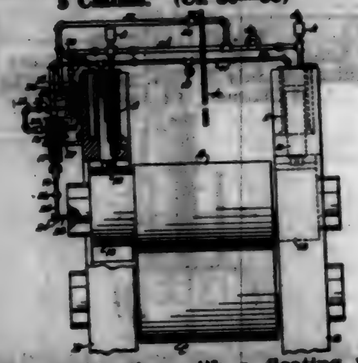
2,027,282
TIRE AND RIM
Donald W. Mason, Eugene, Oreg.
Application January 2, 1935, Serial No. 144
2 Claims. (Cl. 152—22)



1. In a tire and and rim section, a tire having a central partition and inflation chambers at the sides of the partition, rim sections engaging the tire at the sides of the same and having outer bands clamping the partition and supporting inflation tubes in the tire, said bands each having an opening for an inflation valve stem, a rib on one section, an inner felly band on the other sec-

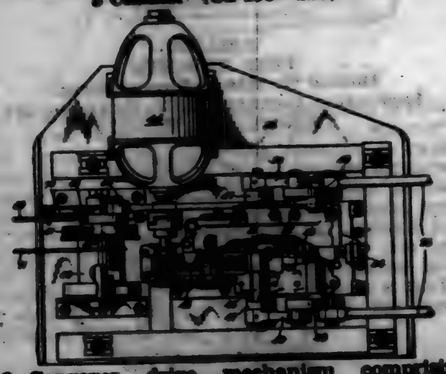
tion having openings for inflation valve stems, a rib on said felly band interfitting with the first named rib, and means carried by both ribs to secure the sections together.

2,027,283
HYDRAULIC ROLL ADJUSTER MECHANISM
William G. McFadden, Niles, Ohio
Application May 21, 1934, Serial No. 726,529
5 Claims. (Cl. 80—56)



3. The combination with a floating roll, of hydraulic rams active against the same at opposite ends thereof, a hydraulic pump having a plunger eccentrically connected with the floating roll and operated thereby, said plunger having a piston provided with a bore working in the pump cylinder, a rod in said piston, spring means influencing the rod away from the piston, means limiting the movement of the rod, a second rod having a universal connection with the first named rod and a wrist pin carried by the second named rod and screwed in the floating roll.

2,027,284
DRIVE FOR SHAKER CONVEYERS
Roscoe Moore, Kingston, Pa.
Original application May 26, 1933, Serial No. 673,532. Divided and this application May 2, 1934, Serial No. 723,754
8 Claims. (Cl. 198—220)



8. Conveyer drive mechanism comprising means to reciprocate the conveyer including means constructed and arranged to brake operation of the conveyer during its movement in one direction and thereby provide opposite strokes of different duration, and further means to additionally brake operation of the mechanism through the later portion of the shorter stroke whereby to permit the conveyed material to come to rest prior to the inception of the longer stroke.

2,027,285
METHOD OF FORMING SEAMLESS TUBE COUPLINGS
Arthur La Rue Parker, Cleveland, Ohio
Application October 6, 1933, Serial No. 692,541
2 Claims. (Cl. 29—157)



1. The method of forming a seamless tubular coupling having a branch intermediate its ends consisting in forming a tubular blank of uniform cross section, perforating the tubular blank intermediate its ends where the branch is to be formed, confining said tubular blank in a sectional die shaped to conform exteriorly to the coupling which is to be formed, inserting within said tubular blank a plastic form maintaining material having a lower melting point than the metal of the blank, progressively subjecting said plastic form maintaining material to pressure for expanding the tubular blank so as to cause the same to conform to the shape of the sectional die in which said tubular blank is placed.

2,027,286
CALENDAR
Overton W. Pendergast, Terre Haute, Ind.
Application December 13, 1933, Serial No. 702,943
19 Claims. (Cl. 40—107)

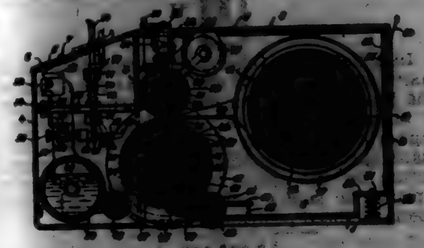


1. A calendar consisting of a calendar sheet divided by a single transverse fold line into two date sections, and means permanently secured to one of said date sections for releasably retaining the other date section in confronting relation to either face thereof.

2,027,287
APPARATUS FOR DELIVERING AND AFFIXING LABELS, POSTAGE STAMPS, AND THE LIKE
Hilde Kemnade, geb. Futterknecht, Berlin-Treptow, Germany
Application May 10, 1934, Serial No. 724,965
In Germany October 31, 1932
71 Claims. (Cl. 216—25)

1. An apparatus for delivering and affixing labels, comprising in combination a storage reel for a label strip, arrangements for pulling a label off said storage reel, arrangements for severing this label from said strip, arrangements for moistening this label, arrangements for affixing this label on a support, a stationary axis in said apparatus, and a driving means adapted to be rotated about said axis by the apparatus being pushed over the support and to control the arrangements for pulling off, severing, moistening and affixing.

38. An apparatus for delivering labels, stamps and the like, comprising in combination a storage reel, an exchangeable casing for said reel consisting of a cup-shaped container, a cover closing said container and having an aperture, and a boss-shaped extension adapted to be removed only after the removal of said cover from said container, an axis for said reel in said cup-shaped container, a knob on said axis of smaller diameter than the aperture in said cover, resilient means for holding said knob on said axis, and a destructible sealing strip adapted to close the aperture in said cover and to be held on the axle after the fitting of said knob.



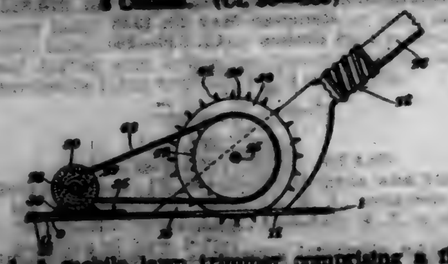
61. An apparatus for delivering and affixing labels, stamps and the like, comprising in combination a drum-shaped driving means adapted to be rotated by the apparatus being moved over a support, a storage reel for labels connected to form a strip, an arrangement for pulling a label off said reel, an arrangement for severing this label from the strip, an arrangement for moistening this severed label, all of said arrangements controlled by said driving means, movable pins on said driving means adapted to hold the severed label on said driving means, a carrier plate carrying said pins, an axle for said carrier plate radially shiftable relatively to said drum-shaped driving means, said carrier plate rotatable on said radially shiftable axle.

2,027,288
SHEET PILING
Walter Prüllage, Dortmund, Germany, assignor to Vereinigte Stahlwerke Aktiengesellschaft, Duesseldorf, Germany
Application March 10, 1932, Serial No. 663,818
In Germany August 13, 1931
1 Claim. (Cl. 61—39)



A sheet piling wall consisting of pairs of planks composed of sheet iron elements having web and flange portions, the flange portions being directly connected with each other at the one side and connecting elements arranged at the opposite side, said connecting elements being secured against tension and rigidly securing the elements forming the pairs of planks and extending without interruption over that part of the wall, which has to resist against the highest bending moment, whereas they are arranged with distances between them over the remaining part.

2,027,289
LAWN TRIMMER
George B. Randolph, San Antonio, Tex.
Application October 22, 1934, Serial No. 749,446
6 Claims. (Cl. 56—255)



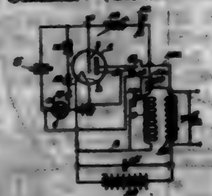
1. A mobile lawn trimmer comprising a flat plate for sliding in superimposed relation over the lawn to be trimmed, said plate provided intermediate its ends with an opening having its forward end cut out lengthwise thereof to provide it with a transverse row of spaced teeth formed with cutting edges, a traction wheel extending through the opening in said plate and spaced rearwardly from said teeth, means carried by the plate for rotatably supporting said wheel, a ratchet wheel on one side of said traction wheel, a horizontally disposed revoluble cutter element positioned in superimposed relation upon said plate forwardly of the traction wheel and being formed with cutting blades travelling in superimposed relation over said teeth, operating means for said cutter element fixed thereon, a post carried by the plate and provided with means forming a shaft and retainer for said element and operating means, driven means supported in lateral relation to said post for driving said operating means, and an endless power transmitting belt connecting said driven means to said sprocket wheel to provide for the operation of said driven means on the rotation of said traction wheel.

2,027,290
WATER BOTTLE
Milton B. Resch, Springfield, Mass.
Application July 2, 1935, Serial No. 29,573
11 Claims. (Cl. 128—258)



2. The method hereindescribed comprising cementing a fabric layer to the face of a corrugated core with said fabric conforming to said face and molding rubber upon said fabric covered core to form a wall conforming in shape to said corrugations and thereby uniting the rubber to the fabric to provide a fabric lined wall upon removal from the mold and core, substantially as described.

2,027,221
ELECTRIC CIRCUITS FOR EMPLOYING CAPACITATIVE CURRENTS
Gordon D. Robinson, Annapolis, Md.
Application June 12, 1929, Serial No. 370,623
Renewed May 29, 1935
9 Claims. (Cl. 250—36)



4. An electrical apparatus including elements for providing interconnected first and second sources of alternating current of the same frequency but differing in phase, and a common load of low power factor at such frequency, said first source having a high impedance and adapted to pass only a low current intensity at such frequency; said elements including means for energizing said sources, means for maintaining said second source at the same frequency as said first source so that said second source operates as a relay for said first source, and also means for connecting said sources in multiple to said load and supplying to said load from said second source a current component substantially in quadrature to the output voltage of the said first source to relieve said first source at least in part from the delivery of quadrature current to said load.

2,027,255
BLOCK FLOORING
Byrd C. Rockwell, Sheffield, Ala., assignor of one-half to Bradley Lumber Company of Arkansas, Warren, Ark., a corporation of Arkansas
Application March 25, 1933, Serial No. 661,257
7 Claims. (Cl. 20—8)



1. A flooring unit comprising a wooden block having two faces thereof disposed across the grain, and expansion compensating means attached to said block and forming a part thereof across each of said cross grain faces.

2,027,293
ROLLING METHOD
Hugo Seiferth, Duesseldorf-Oberkassel, Germany
Application June 13, 1931, Serial No. 543,893
In Germany July 15, 1930
7 Claims. (Cl. 80—60)



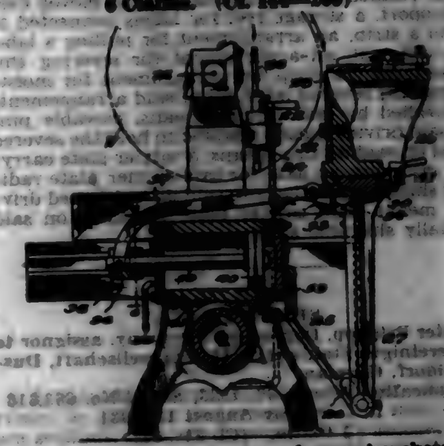
1. A method for producing, by rolling, metal bars with relatively high transverse ribs, which method consists in feeding the working material between a roll and a rolling table, moving said roll and table relatively to one another at a rate depending upon the metal to be worked, thereby stretching the material and pressing it into transverse grooves provided on the rolling table in order to form said transverse ribs without deformation.

2,027,294
LIGHTER
Hans Silberknopf, Vienna, Austria
Application October 2, 1934, Serial No. 746,357
2 Claims. (Cl. 67—7.1)



1. In a lighter, a tube, a combined snuffer and abrasive wheel pivotally mounted at the upper end of the tube, a handle for manipulating the snuffer and abrasive wheel, a spring in the tube, a pyrophoric stick urged toward the abrasive wheel by said spring, a piston forced in the opposite direction by the spring, and a yoke connecting the piston to said wheel for holding the snuffer in open or closed position.

2,027,295
VENEER MACHINE
Wallace W. Stoddard, Savannah, Ga.
Application March 26, 1934, Serial No. 717,488
6 Claims. (Cl. 144—209)

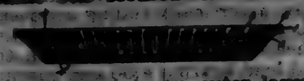


1. In a veneer machine, a frame, brackets on said frame having slots therein, means for rotatably supporting a body of wood, a carriage, a cutting element mounted in said carriage, rocking bearings for said carriage in said slots, and fluid actuated means for rocking said carriage in said slots to force said cutting element into engagement with a body of wood carried by said supporting means with a regulable uniform pressure.

2,027,296
BAKING UTENSIL
Kimberly Stuart, Neenah, Wis., and Garrett S. Lindeman, Jr., Beverly, N. J.
Application August 5, 1933, Serial No. 684,816
7 Claims. (Cl. 53—4)

1. A laminated, unitary self-sustaining baking utensil capable of withstanding baking tempera-

tures, comprising an inner layer of heat-resistant metallic foil secured in substantially full



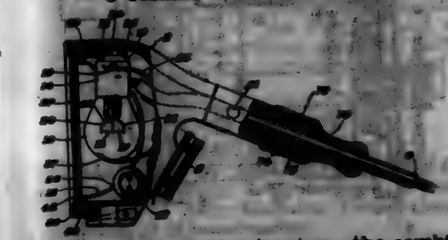
surface engagement to an outer layer of heat-resistant fibrous material by means of a heat-resistant adhesive.

2,027,297
PAINT MIXER
Frank Trumpeack, Hawthorne Station, N. Y.
Application June 19, 1935, Serial No. 27,364
3 Claims. (Cl. 259—107)



1. A mixing device comprising a shaft, paddles, interdigitating hinge eyes securing the paddles at the inner ends to the shaft and permitting the paddles to fold flat upon each other, an annulus adjustably mounted on the shaft and having slots adapted to receive the upper edges of the paddles and hold the paddles radially, disengagement of the annulus from the paddles permitting the paddles to be nested together laterally of the shaft to permit easy withdrawal from a container, and means for rotating the shaft.

2,027,298
PORTABLE ELECTRIC LAMP
Grant Wheat, Marlboro, Mass., assignor to Keebler Manufacturing Company, Marlboro, Mass., a corporation of Massachusetts
Application June 5, 1933, Serial No. 674,115
5 Claims. (Cl. 240—11.3)



1. In a portable lamp structure, the combination of a headpiece, a main electric lamp bulb mounted in said headpiece, a reflector in said headpiece behind said bulb, a lens supported in said headpiece at the opposite side of said bulb from said reflector, said lens closing the normally open end of the headpiece, means for supporting said bulb with its axis lying approximately parallel to said lens and with the filament of the lamp approximately centered with reference to said reflector, the base of said lamp projecting through a hole in said reflector, a spring arm engaging the bulb of said lamp to assist in holding said bulb in its operative position, and an emergency lamp of a smaller candle power than said main lamp located chiefly behind said reflector, said spring arm being positioned between said emergency lamp and said main lamp bulb.

2,027,299
GASKET CENTERING MEANS
Henry Böhmer, Jr., Woodbury Heights, and Stanley S. Lippincott, Palmyra, N. J., assignors to "Flexitallic" Gasket Co., Camden, N. J., a corporation of New Jersey
Application February 10, 1934, Serial No. 710,738
6 Claims. (Cl. 288—1)



1. A centering means for gaskets having the form of a flexible ring composed solely of compactly-wrapped longitudinally-beaded strip metal, said wrapping causing the beading of contiguous convolutions to interlap and angularly-flare progressively outwards, and the ends of said strip being secured respectively to the engaging convolutions of the wrapping.

2,027,300
METHOD OF TREATING MOLTEN STEEL
Alvin A. Claassen, Chicago, Ill., assignor of one-half to James L. Hyland, Chicago, Ill.
Application July 22, 1932, Serial No. 623,641
24 Claims. (Cl. 75—27)

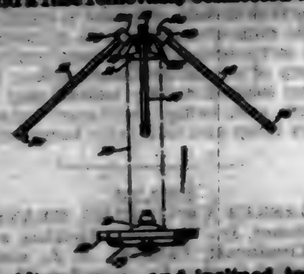


1. The method of making open hearth steel which includes the steps of heating in an open hearth furnace a molten metal charge covered with a thick layer of slag, working and refining the metal and finally tapping it out of the furnace, and controlling the carbon content of the molten metal by introducing beneath the slag covered surface of the molten metal a liquid material containing carbon which can be absorbed by the molten metal.

2,027,301
FUSED GRADING SHIELD
Howard A. Frey, Baltimore, Md., assignor to Locke Insulator Corporation, Baltimore, Md., a corporation of Maryland
Application September 11, 1929, Serial No. 391,816
9 Claims. (Cl. 200—115)

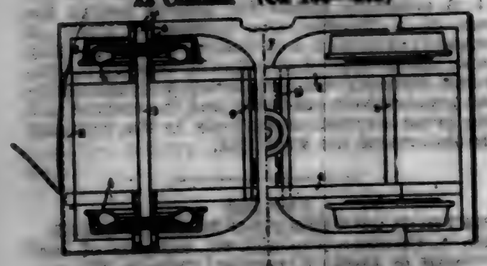
1. A fuse device of the character described comprising a metallic carrier constructed and adapted to be mounted upon the uppermost metallic element of a vertical series of insulators, a

plurality of holding means mounted upon said carrier, and a fuse removably connected with each



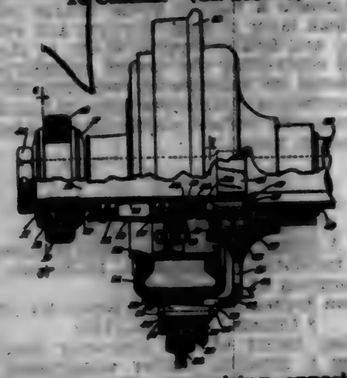
of said holding means and inclined toward the lower end of the series.

2,027,302
RAIL WHEEL
Oskar Hacker, Wiener-Neustadt, Austria, assignor to the firm Austro-Daimler-Puchwerke A. G., Wiener-Neustadt, Austria
Application September 14, 1932, Serial No. 633,196
In Austria February 15, 1932
23 Claims. (Cl. 105—215)



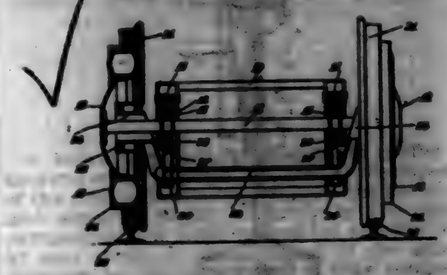
1. Running gear for rail vehicles, comprising in combination drum-shaped guiding wheels having a profile like that of a rail wheel, supporting wheels with resilient tires within the said guiding wheels and capable of running therein; and stub axles for the guiding wheels, which are independent of the axles of the supporting wheels.

2,027,303
RUNNING GEAR
Oskar Hacker, Wiener-Neustadt, Austria, assignor to Austro-Daimler-Puchwerke A. G., Wiener-Neustadt, Austria, a firm
Application September 9, 1932, Serial No. 632,734
16 Claims. (Cl. 105—3)



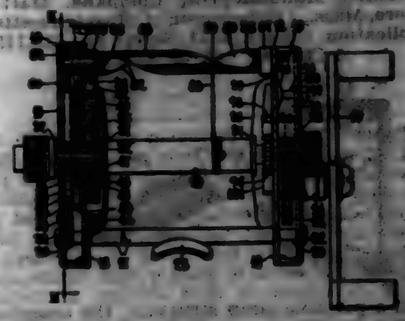
1. Running gear comprising oppositely disposed track wheels, a rotatable tubular axle connecting said wheels, a load bearing axle extending through said tubular axle, a bearing for each wheel having a vertically sliding connection with said load bearing axle, pneumatically tired supporting wheels mounted to rotate on the outer ends of said load bearing axle and running within the track wheels.

2,027,304
RUNNING GEAR FOR VEHICLES
Oskar Hacker, Wiener-Neustadt, Austria, assignor to Austro-Daimler-Puchwerke A. G., Wiener-Neustadt, Austria, a firm
Application September 13, 1932, Serial No. 633,193
23 Claims. (Cl. 105—215)



1. Running gear for vehicles comprising a relatively stationary axle normally free of the vertical load of the vehicle, a part at least of said axle being hollow, a track-engaging wheel rotatably supported upon a hollow part of said axle, a load bearing axle extending through the hollow part of said track wheel axle, a resiliently tired load wheel carried by the load bearing axle and travelling within the track-engaging wheel and movable independently thereof, and a fitting supported on said load bearing axle and connected with said track wheel axle and adapted at times to transmit the vehicle load to the track wheel axle.

2,027,305
FISHING REEL
Hyla F. Maynes, North Tonawanda, N. Y., assignor of one-half to Emma C. Maynes, North Tonawanda, N. Y.
Application December 5, 1934, Serial No. 756,688
17 Claims. (Cl. 242—84.4)



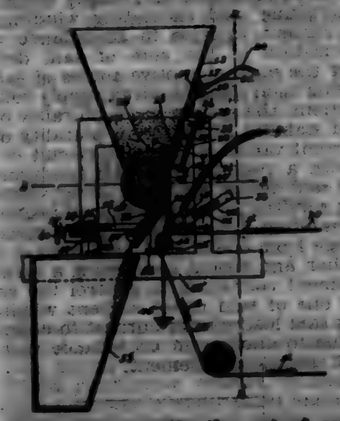
16. In a fishing reel having means for winding a fishing line thereon, a level wind spiral shaft in the form of a twisted strip of material, said shaft presenting converging surfaces incidental to its spiral configuration for guiding a fishing line from end to end of the reel in levelly wound relation.

2,027,306
REEL STRUCTURE
Hyla Frederick Maynes, North Tonawanda, N. Y., assignor of one-half to Emma C. Maynes, North Tonawanda, N. Y.
Application June 6, 1935, Serial No. 25,275
8 Claims. (Cl. 242—84.4)



2. In a fishing reel having means for winding a fishing line thereon, a level wind shaft for guiding the fishing line alternately from end to end of the reel, said shaft having axially aligned bearing portions, the shaft being in the form of a spirally shaped wire between the bearing portions.

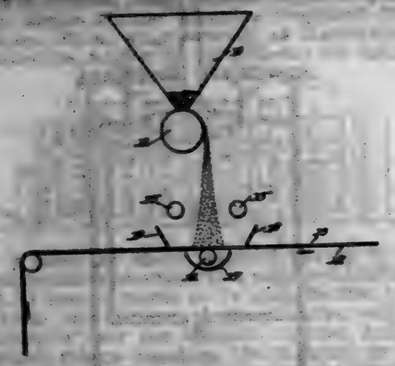
2,027,307
METHOD OF COATING AND APPARATUS THEREFOR AND PRODUCT
Elmer C. Schacht, Troy, N. Y., assignor, by mesne assignments, to Behr-Manning Corporation, a corporation of Massachusetts
Application July 30, 1932, Serial No. 626,323
49 Claims. (Cl. 91—68)



1. That improvement in the art of coating a carrier with finely divided abrasive material which consists in gravitationally supplying abrasive particles to the carrier, controlling the positions of the particles upon the carrier by the action of an electrical field substantially at their point of deposition upon the carrier, and adhesively retaining the particles upon the carrier with the positions of the particles arranged by the electrical field.

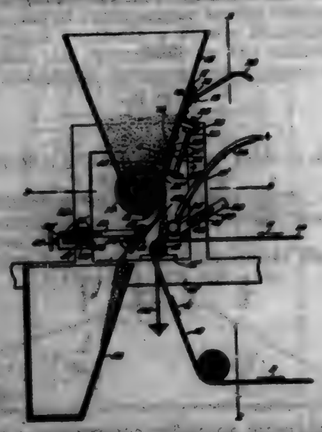
2,027,308
MANUFACTURE OF ABRASIVE ARTICLES
Elmer C. Schacht, Troy, N. Y., assignor, by mesne assignments, to Behr-Manning Corporation, a corporation of Massachusetts
Application November 26, 1931, Serial No. 576,615
Renewed January 7, 1935
5 Claims. (Cl. 91—68)

5. In an apparatus of the class described comprising a feeding means for abrasive particles, means for supporting a carrier having an adhesive surface to be coated with said particles, and means for forming an electrical field comprising terminals of opposite polarity on opposite sides of the carrier, said terminals cooperating to narrow and intensify the field and



converge the same at the point of disposition of the particles upon the carrier.

2,027,309
ABRASIVE MATERIAL
Elmer C. Schacht, Troy, N. Y., assignor to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts
Application March 24, 1932, Serial No. 601,891
1 Claim. (Cl. 51—185)

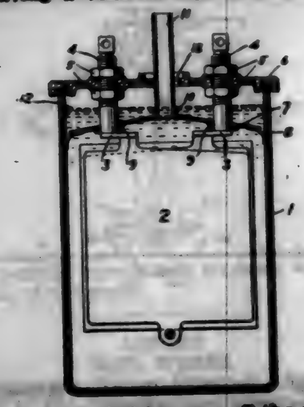


A new article of manufacture having abrasive particles positioned relative to one another by electric action, substantially all of the abrasive particles at the abrading surface being substantially uniformly spaced apart and having major and minor axes and being responsive to electric action, substantially all of said particles being positioned and supported in an adhesive with their major axes substantially perpendicular to the abrading surface.

2,027,310
SECONDARY OR STORAGE BATTERY
Edward W. Smith, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application August 22, 1933, Serial No. 685,436
7 Claims. (Cl. 136—177)

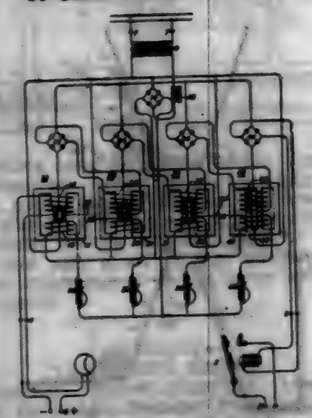
1. In a storage battery cell, the combination with a container, a plate element and a sealed-on closure having an opening, of a gas cover mounted directly over the plate element and arranged

to collect the gas given off by charging, said gas cover having a vent tube passing through said



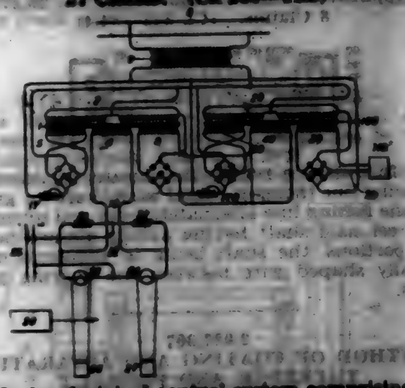
opening and adapted to carry off the gas without accumulation of substantial amounts of said gas.

2,027,311
MAGNETIC AMPLIFIER
Alan S. Fitz Gerald, Wynnewood, Pa.
Application June 21, 1933, Serial No. 676,785
In Great Britain July 1, 1932
10 Claims. (Cl. 171—242)



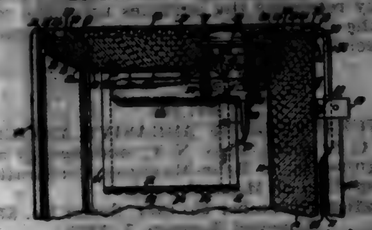
8. A magnetic amplifier comprising a plurality of saturable core devices connected in cascade, each having a saturating winding and an output winding, a source of control current connected to the saturating winding of the first of said devices, means for energizing said output windings, a circuit including rectifying means interconnecting the output winding of each device with the saturating winding of the next successive device, a controlled circuit connected to the output winding of the last of said devices, and means for substantially eliminating the effect on the controlled circuit of the magnetizing current of any of said devices, but the last, when unsaturated, comprising means associated with each device after the first for neutralizing the saturation thereof due to the magnetizing current of the preceding device, at least one of the saturable core devices having a core made of a nickel alloy capable of being raised substantially to saturation point by a magnetizing force of less than one Gilbert per centimeter, and at least one of the saturable core devices having a core made of steel.

2,027,312
MAGNETIC AMPLIFYING AND CONTROL SYSTEM
Alan S. Fitz Gerald, Wynnewood, Pa.
Application July 12, 1934, Serial No. 735,439
27 Claims. (Cl. 250—41.5)



12. An electrical control system comprising, an alternating current supply circuit, a load circuit, a saturable core device having a direct current saturating winding and an alternating current winding connected to control the energization of said load circuit from said supply circuit, means for energizing said saturating winding with a direct current variable in accordance with the magnetization of the core of said device, the ratio of the magnetomotive forces of said windings being such that, for given supply voltage and connections, the system has a plurality of conditions of stability furnishing a plurality of different current values in said load circuit in accordance with a residual magnetic condition of the core of said device, a further direct current saturating winding for modifying said residual magnetic condition so as to cause the control system to change from one of said conditions of stability to another, and means, comprising a variable circuit element connected to control the energization of one of said direct current windings, for causing said load circuit current to change from one value to another in accordance with variations of said circuit element.

2,027,313
REFRIGERATOR
Donald H. Gaston, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application June 14, 1935, Serial No. 26,589
10 Claims. (Cl. 62—115)



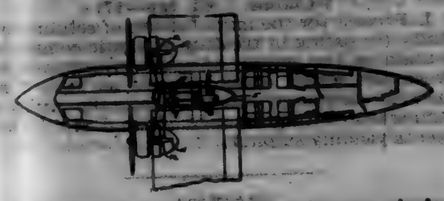
1. A refrigerator including a heat insulated cooling compartment having an aperture in the top wall thereof, means including an evaporator mounted in said compartment for abstracting heat therefrom, means including a refrigerant accumulator for supplying liquid refrigerant to said evaporator, said accumulator being located in said

aperture and having the lower portion thereof extending into said compartment, and means including a shield of flexible heat insulating material surrounding said lower portion of said accumulator extending into said compartment for minimizing the transfer of heat from the liquid refrigerant in said accumulator to said compartment.

2,027,314
METHOD OF MANUFACTURING THIN-WALLED SHAPED BODIES
Eugen Heinicke, Berlin, Germany
No Drawing. Application October 7, 1933, Serial No. 692,617. In Germany October 12, 1932
1 Claim. (Cl. 25—155)

The method of manufacturing particularly thin-walled shaped bodies of earth-moist masses not able to flow, for instance concrete and cement, in moulds consisting of two parts, said method comprising blowing the mass into the mould, removing one of the mould parts, subjecting the mass in the remaining mould part to the action of a die so as to subject it to an after-pressing and -compressing, the strength of which is so chosen that also the other mould part can be removed prior to the mass having set.

2,027,315
HEAT EXCHANGE APPARATUS
Darragh Loring Hilgedick, Dedham, Mass., assignor to B. F. Sturtevant Company, Inc., Boston, Mass.
Application March 23, 1933, Serial No. 662,679
5 Claims. (Cl. 257—12.5)

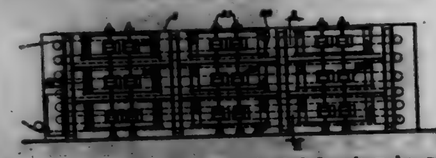


1. Heat exchange apparatus for an airplane having a cabin and having an internal combustion engine mounted above said cabin, comprising a liquid circulating system, containing a liquid having a lower freezing point and a higher vaporization temperature than water, means in said system for heating said liquid with heat from the exhaust gases of said engine, air heating coils and a pump in said system mounted below said heating means and between said cabin and said engine, a blower for moving air over said coils, means for passing recirculated air from said cabin into said blower and means for passing the heated air leaving said coils into the passenger space within said cabin.

2,027,316
CATALYST
Edward S. Johnson, New Rochelle, N. Y., assignor to The Calco Chemical Co. Inc., Bound Brook, N. J., a corporation of Delaware
No Drawing. Application March 1, 1935, Serial No. 8,487
16 Claims. (Cl. 23—234)

1. A vanadium contact mass for catalytic oxidations comprising a vanadium compound homogeneously incorporated in gelatinous curds of hydrous SiO_2 produced by acidification of a silicate solution under conditions alkaline or neutral to Congo.

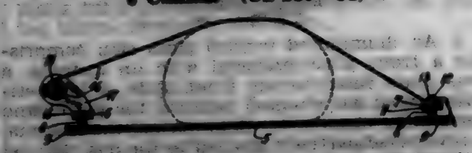
2,027,317
TENTER DRIER
Frank B. Morrill, North Adams, Mass., assignor to The James Hunter Machine Company, North Adams, Mass., a corporation of Massachusetts
Application August 16, 1933, Serial No. 685,069
12 Claims. (Cl. 34—48)



2. A drier for sheet material having in combination material-supporting means engaging the cloth at spaced points in its area, devices taking air from one surface of the material and discharging it over the opposite surface, and air-directing means disposing the material so as to have the form of an arch extending in the direction of air travel with its convex surface toward the discharged air-stream.

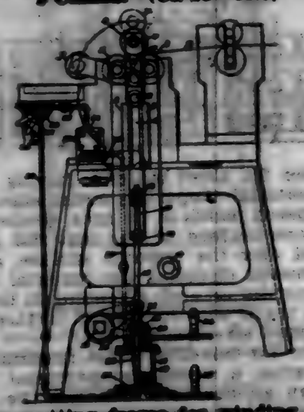
3. A drier for travelling sheet material having in combination a drying compartment for the material, an air-chamber alongside the path of travel of the material, and in communication with the air surrounding the traveling material through its ends which are spaced apart lengthwise of the traveling material, screens covering the air-passages in such ends and disposed perpendicularly to the travelling material in two dimensions and at right angles to the compartment wall for quick removal, a blower discharging air from within the chamber over the material, and heaters interposed between the screens and the blower.

2,027,318
IMMOBILIZATION BELT FOR X-RAY APPARATUS
Albert Charles Nelson, Flushing, N. Y., assignor to Westinghouse X-Ray Company, Inc., a corporation of Delaware
Application September 2, 1932, Serial No. 631,487
8 Claims. (Cl. 250—34)



1. In an X-ray apparatus, the combination with a patient supporting member, of means for rigidly securing the body of a patient to said member comprising a roller secured to one side of said patient supporting member and movable longitudinally thereof, a belt normally wound upon said roller adapted to be unwound therefrom and to extend transversely of said patient supporting member across the body of a patient with its free end secured to said patient supporting member opposite said roller, a shaft extending from said roller provided with a worm gear and a control knob, said control knob being operable to make said belt taut across said patient supporting member and the body of a patient, and a pivoted shaft adjacent the worm gear carried by said first mentioned shaft and provided with a control knob and a worm, said pivoted shaft being rotatable to cause said worm to engage said worm gear for rendering said last mentioned control knob operable to increase the tautness of said belt across the body of a patient, and for locking said roller in a desired position.

2,027,219
SETTING FRAME
Ernest T. Plasnik, Amsterdam, N. Y., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn., a corporation of Massachusetts
Application February 22, 1934, Serial No. 712,519
9 Claims. (Cl. 26—65.5)



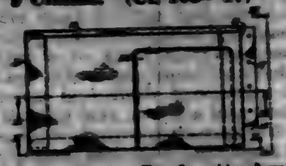
2. In a setting frame for winding a series of yarns side by side upon a receiver, the combination of means for rotating the receiver, a presser roll mounted for movements into and from engagement with the yarn on the receiver, and fluid pressure actuated means connected to the presser roll for effecting such movements of the presser roll.

2,027,220
ILLUMINATED SIGN
William R. Piper, Memphis, Tenn., assignor to Gunnald Sign Corporation, Memphis, Tenn., a corporation of Tennessee
Application September 27, 1934, Serial No. 745,009
11 Claims. (Cl. 40—139)



1. An illuminated molded glass sign comprising a front plate provided with an insignia, a rear plate fused to the front plate, a hermetically sealed gas channel between the plates and behind the insignia for illuminating the insignia, a transverse partition molded in the gas channel to close it and a jumper channel molded in the rear plate and in circuit at each end with the gas channel on opposite sides of the partition.

2,027,221
METALLIC SHINGLE
Charles J. Ratelike, Chicago, Ill., assignor, by direct and mesne assignments, of fifty-five per cent to Nils G. Olsson, Aurora, Ill.
Application April 16, 1932, Serial No. 605,655
9 Claims. (Cl. 108—17)



1. In a shingle that affords attachment to an inclined roof from the top down, the combination with a substantially rectangular metallic sheet, of a roof attaching bracket disposed along one side of said sheet, a reversely bent flange connecting said bracket and sheet to define spaced edges along said sheet side, there being a downwardly impressed trough along the lower side of said reversely bent flange to convey moisture therealong onto the succeeding shingle, and an opposite reversely bent flange on the side parallel to the first named side for telescopic interengagement with the first named flange on an adjacent shingle.

2,027,223
PRINTER'S BLANKET
Harold D. Rice, Barrington, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 21, 1933, Serial No. 676,254
9 Claims. (Cl. 154—54.5)

[redacted]

1. A printer's blanket consisting of a base and a coating of the solids deposit of an aqueous dispersion of rubber vulcanized to said base.

2,027,226
SULPHUR DYESTUFFS AND PROCESS OF MAKING SAME
Paul Schmidlin, Basel, Switzerland, assignor to "Society of Chemical Industry in Basle", Basel, Switzerland
No Drawing. Application August 7, 1934, Serial No. 738,961. In Switzerland August 19, 1933
9 Claims. (Cl. 260—17)

1. Process for the manufacture of sulphur dyestuffs, consisting in treating aromatic compounds containing the radical of such an aromatic hydrocarbon which contains itself at least 3 nuclei linearly condensed aromatic nucleus united at temperatures lying between 200 and 300° C. with agents yielding sulphur.

2,027,224
WITHDRAWN

2,027,225
YARN SUPPORTING DEVICE
John G. Shelton, Richmond, Va., assignor to J. G. Shelton Company, Inc., Richmond, Va., a corporation of Virginia
Application March 26, 1935, Serial No. 13,168
10 Claims. (Cl. 242—118)



1. A yarn supporting device involving a base, a spindle carried by the base, and a resilient supporting frame mounted on the spindle, said frame being connected with the spindle so as to exert a constant tendency to return to normal position when displaced therefrom and comprising a plurality of resilient members mounted on the spindle and diverging outwardly therefrom, in the direction of the yarn, each of said members including inner and outer downwardly converging portions joined at their lower ends and so associated with the spindle at their upper ends that the upper ends of the outer portions are spaced upwardly from the upper ends of the inner portions, certain of said portions being provided at their upper ends with means encircling the spindle and movable lengthwise thereof, and the upper ends of the other of said portions being supported on said spindle.

2,027,226
SLIDER FOR SLIDE FASTENERS
Gideon Sundback, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania
Application October 31, 1933, Serial No. 695,668
5 Claims. (Cl. 24—205)



4. A slider for slide fasteners of the class described comprising a channeled body member having a recess therein communicating with said channel, a floating block mounted in said recess and having locking teeth movable into and out of the slider channel for locking the slider against movement, and means on the slider for retaining said floating block in said recess, and a slider operating member connecting directly to said floating block and adapted to transmit the slider operating force through said block.

2,027,227
SLIDER FOR SLIDE FASTENERS
Delbert R. Gilmore, Erie, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania
Application November 12, 1934, Serial No. 752,879
4 Claims. (Cl. 24—205)



1. A slider for slide fasteners comprising a body member having an interior channel, the body member having also an opening communicating with said channel, a slider locking member movably mounted in said opening and having locking projections adapted to engage between fastener elements in the slider channel, means for retaining said locking member in position comprising a loop attached to the slider body and extending centrally over said locking member, a spring between said loop and said locking member which normally presses said locking member inwardly toward locking position, and an operating member attached to said locking member.

2,027,228
INSOLE
Charles Tweedie, Jefferson City, Mo., assignor to Tweedie Footwear Corporation, Jefferson City, Mo., a corporation of Missouri
Application July 5, 1933, Serial No. 679,661
2 Claims. (Cl. 36—32)



1. An insole comprising a top layer, a lower layer and a shank stiffener interposed between them, said layers being secured together by lines of stitching extending close alongside of said stiffener and substantially parallel with the edge of the top layer at a distance inwardly therefrom, the marginal portion of the lower layer forward of the shank being turned back free from the top layer.

2,027,229
MOTOR VEHICLE
Cornelius W. Van Ranst, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 8, 1934, Serial No. 751,387
8 Claims. (Cl. 180—24)



1. In a drive system for motor vehicles, the combination with transmission and differential housings, of a drive shaft extending between said housings and having universal joint connections at each end thereof with the gearing in the respective housings, said drive shaft being of sufficient length and sufficiently small diameter to afford substantial torsional flexibility and to offer insufficient resistance to whipping, and means supported independently of said drive shaft and having a bearing engagement with the latter intermediate the ends thereof for resisting lateral flexure of the shaft.

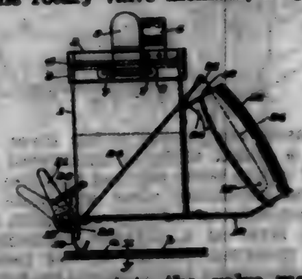
2,027,230
WELDING ROD ALLOYS
Richard A. Wilkins, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application March 8, 1935, Serial No. 10,947
6 Claims. (Cl. 75—1)

1. Hot and cold workable alloys capable, when deposited by a welding process, of forming a dense, machinable, hard weld metal of high tensile strength, containing 0.05 to 0.3% silicon, 0.25 to 5% nickel, 0.25 to 3% iron, and 35 to 50% zinc, with the balance substantially copper, and characterized by materially reduced fuming as compared to brass of the same zinc content.

2,027,231
HAND SPREADER FOR PLACING AN ADHESIVE ON THE BACK OF CARPETS AND RUGS
Ernest K. Bauer, Thompsonville, Conn., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn., a corporation of Massachusetts
Application August 17, 1931, Serial No. 749,273
3 Claims. (Cl. 91—67.4)

1. In a spreader for applying an adhesive over the abutting edges of two carpet strips to unite

the strips without a visible seam, the combination of a reservoir or container for the adhesive having an outlet, a rotary valve member for controlling the flow of the adhesive through the outlet and comprising cylindrical end bearings and an elongated cut away portion between the cylindrical end bearings, an arm secured at each end of the rotary valve member, a spring nor-



mally acting to rotate the valve member into closed position, a spreader disposed below the reservoir outlet and having a backwardly inclined surface terminating at its lower edge in a spreading bend for forcing the adhesive into the back of the woven strips and manually operated link members connected to the arms at opposite ends of the rotary valve member.

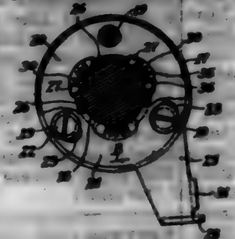
2,027,232

AUTOMATIC FILM STOP FOR CAMERAS

Chester W. Cramarine, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application April 30, 1935, Serial No. 19,011

9 Claims. (Cl. 95—31)



1. In a camera adapted for use with roll film having a perforation therein for each exposure, the combination with a camera body, of spool chambers included in the body, a winding key shaft extending through a wall of said chamber, an arm mounted to turn a limited distance about the key shaft, a clutch member between the arm and key shaft and finger on said arm adapted to pass through a film aperture and control the clutch, whereby rotation of the key shaft in a direction to wind film may be prevented when the finger lies in a film aperture.

2,027,233

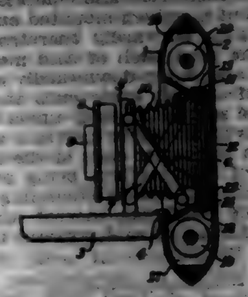
CAMERA CONSTRUCTION

Chester W. Cramarine, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application April 30, 1935, Serial No. 19,012

9 Claims. (Cl. 95—45)

1. In a film camera, the combination with a camera body, including an opening through which an exposure may be made, of a lens board adapted to carry a camera objective, an exposure frame carried by the camera surrounding the exposure opening therein, said exposure frame comprising rigid and accurately formed plane surfaces adapted to position a film in the focal plane of the



objective, and means for altering the position of the frame as a unit with respect to the camera.

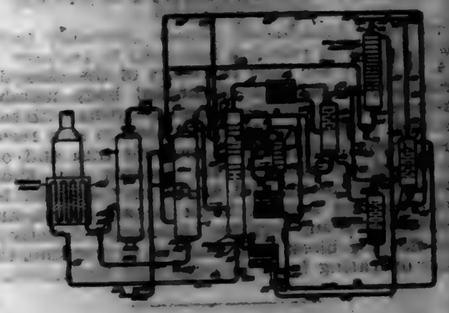
2,027,234

TREATMENT OF HYDROCARBON OILS

Luis de Florez, Pomfret, Conn., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application April 27, 1932, Serial No. 608,126

6 Claims. (Cl. 196—94)



6. The method of fractionally condensing mixed hydrocarbon vapors which comprises delivering said vapors to a fractionating zone maintained under superatmospheric pressure, whereby said vapors are cooled to effect a condensation of relatively high-boiling constituents, removing from said fractionating zone at least a portion of the condensate thereby obtained, stripping condensate so removed of relatively low-boiling constituents and cooling the stripped condensate, removing uncondensed vapors from said fractionating zone and cooling them to effect condensation of relatively low-boiling constituents, flashing said low-boiling condensate to a lower pressure in a weathering zone to liberate gases contained therein, scrubbing said liberated gases at said lower pressure, to remove vapors therefrom, with a portion of said stripped and cooled relatively high-boiling condensate from said fractionating zone, returning the thereby enriched condensate to said fractionating zone, passing light gases and vapors remaining uncondensed after the cooling of the uncondensed vapors removed from said fractionating zone, to an absorbing zone of higher pressure than said weathering zone and therein scrubbing said light gases and vapors with another portion of the said stripped and cooled relatively high-boiling condensate from said fractionating zone to remove desired constituents therefrom, and returning the thereby enriched condensate to said fractionating zone.

2,027,235

STRAIN RELEASE FOR WRINGERS

Karl H. Eichmann, Salem, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York

Application June 11, 1934, Serial No. 729,977

6 Claims. (Cl. 100—32)



1. In a wringer, the combination with a roller-supporting frame and an associated crosshead, vertically-interlocking means carried by the frame and one end of the cross head, and releasable latching means interposed between the other end of the crosshead and the frame, said latching means comprising a pair of cooperating latches pivoted upon the crosshead on a substantially horizontal axis, a pin carried by the frame in position to be underlaid by the latches, a blocking finger interposable between the latches to maintain pin engagement thereof, and an element associated with said last-mentioned finger by which said finger may be retracted from blocking position.

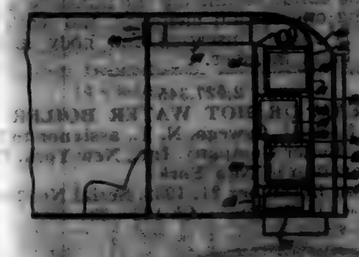
2,027,236

REFRIGERATION APPARATUS

Milton E. Hanson, Collingswood, N. J., assignor to B. F. Sturtevant Company, Inc., Hyde Park, Boston, Mass.

Application October 3, 1934, Serial No. 746,618

7 Claims. (Cl. 62—94)



1. Air cooling apparatus utilizing dry ice as a source of cold, comprising a pair of ice compartments mounted one above the other and spaced a small distance apart, the upper and lower walls of both compartments being formed from thin metal sheet, means for placing dry ice in said compartments, said lowermost compartment having a thin metal sheet forming one vertical side thereof, said uppermost compartment having a thin metal sheet forming a vertical side thereof on the side of said compartment opposite to that from said side of said uppermost compartment, and means for passing air to be cooled in contact with the lower wall of said undermost compartment, the vertical side of said undermost compartment, between said compartments, said vertical side of said uppermost compartment, the upper wall of said uppermost compartment, and for discharging it into the space to be served.

2,027,237

MANUFACTURE OF RESINS

Adolf Hock, Kansas City, Mo., assignor to Cook Paint & Varnish Company, Kansas City, Mo., a corporation of Delaware

No Drawing. Application March 30, 1931, Serial No. 526,568

11 Claims. (Cl. 260—4)

1. As an improvement in the manufacture of useful complex resins from phenols and aldehydes, the improvement which comprises condensing about 2 mols of a phenol with 1 mol of an anhydrid of an aromatic dicarboxylic acid in the presence of an inorganic catalyst of the class consisting of chlorides of aluminum, iron and zinc, reacting 100 parts of the condensation product thus obtained with between 5 and 25 parts of an aldehyde said parts being parts by weight and partially resinifying the aldehyde reaction product by heating said reaction product to about 170° C. until a resinous product soluble in alcohols, esters and ketones is obtained.

2,027,238

MANUFACTURE OF VARNISH BASES

Adolf Hock, Kansas City, Mo., assignor to Cook Paint & Varnish Company, Kansas City, Mo., a corporation of Delaware

No Drawing. Application June 25, 1935, Serial No. 28,252

14 Claims. (Cl. 260—8)

1. In the manufacture of varnishes, the improvement in making a varnish base which comprises condensating about 2 mols of a phenol with 1 mol of an anhydrid of an aromatic dicarboxylic acid in the presence of an inorganic catalyst of the class consisting of the chlorides of aluminum, iron, tin and zinc, to form a phenol-polybasic acid condensation product, fusing together the said condensation product and the fatty acid of a fatty oil, adding sufficient glycerine to the molten mixture to produce esterification, and heating to at least 260° C. until esterification and resinification occur, a resinified material being obtained upon cooling.

2,027,239

MANUFACTURE OF VARNISH RESINS, VARNISHES, AND LIKE COATING COMPOSITIONS

Adolf Hock, Kansas City, Mo., assignor to Cook Paint & Varnish Company, Kansas City, Mo., a corporation of Delaware

No Drawing. Application June 25, 1935, Serial No. 28,254

12 Claims. (Cl. 260—8)

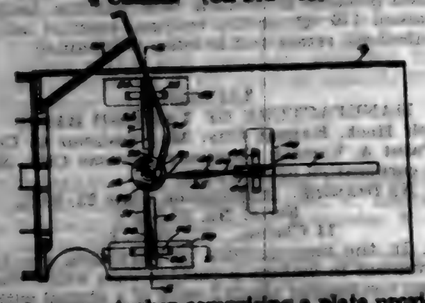
1. In the manufacture of varnishes, the improved process which comprises condensing 2 mols of a phenol with 1 mol. of a polybasic aromatic carboxylic acid in the presence of a condensing catalyst of the class consisting of the chloride of aluminum, iron, tin and zinc, heating the condensation product to partially resinify it, fusing 100 parts of said partially resinified condensation product with about 400 parts of a resin, adding sufficient polyhydric alcohol to esterify the molten material, heating the reaction mixture until the materials are mutually esterified and further resinification is effected, the heating being continued until a clear, substantially neutral, hard resin is obtained upon cooling, said resin so obtained being soluble in coal tar hydrocarbons, mineral spirits and drying oils.

2,027,340
TROMBONE
Frank Holton, Elkhorn, Wis., assignor to Frank Holton & Co., Elkhorn, Wis., a corporation of Illinois
Application March 22, 1934, Serial No. 716,869
3 Claims. (Cl. 84—396)



1. In a slide trombone a stocking for the inside tube, said stocking being provided with pockets for lubricant.

2,027,341
PAPER STACKER
Evelyn Hornbeck and Edward Hornbeck, Tulsa, Okla., assignors of one-fourth to Arch K. Krisle, Tulsa, Okla.
Application June 21, 1935, Serial No. 27,786
4 Claims. (Cl. 271—89)



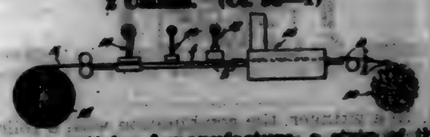
1. A paper stacker comprising a plate provided with guide ways, an oscillating wheel arranged beneath the plate and carrying oscillating shafts, shoes having portions projecting above said plate and depending guides guided by said guide ways, links having their inner ends screw threaded to said shafts, universal joints connecting the outer ends of the links to said guides, and means for oscillating said wheel.

2,027,342
PACKAGING COFFEE
Arthur G. Hopkins, Sherman, Tex.
Application February 5, 1932, Serial No. 655,115
1 Claim. (Cl. 206—46)



A package of air-affected granular material comprising a flexible tube of impervious material divided into elongated sections, the parts of the tube between the sections being hermetically sealed under vacuum to form a neck containing no material, each of said necks being of sufficient length to permit separation of the sections from each other without breaking the seals of any section, and each section before sealing being filled under vacuum to slightly less than full capacity with the material to be packaged and protected.

2,027,343
BLANK FOR CONTAINER CLOSURES AND METHOD OF MAKING THE SAME
Leon E. La Bombard, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application September 5, 1934, Serial No. 742,778
2 Claims. (Cl. 93—1)



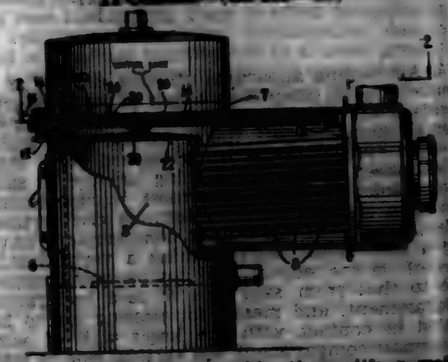
1. An article of manufacture, a strip of thin, flexible material comprising a series of connected and partially blanked bottle closures, and a disk of comparatively stiff material of substantial thickness permanently secured to each closure blank.

2,027,344
METHOD OF FORMING SLIP COVERS FOR CONTAINERS
Leon E. La Bombard, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application September 5, 1934, Serial No. 742,779
4 Claims. (Cl. 93—55)



1. A method of forming slip covers for fibres containers, said slip covers comprising a cup shaped body member and a reinforcing band member consisting of applying a smooth, even and uniform coat of adhesive to the inner surface of the band; permitting the adhesive to dry; moistening one of said members, and while said member is moist, inserting the body member into the band member.

2,027,345
STEAM OR HOT WATER BOILER
John W. Lesbett, Geneva, N. Y., assignor to Fitzgibbons Boiler Company, Inc., New York, N. Y., a corporation of New York
Application December 21, 1932, Serial No. 648,256
11 Claims. (Cl. 122—32)



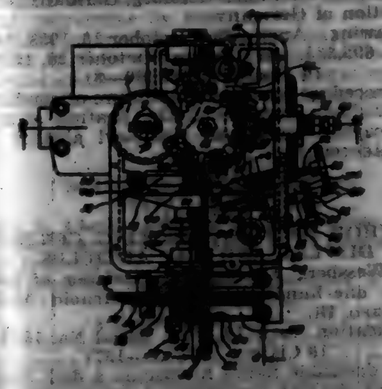
2. In a boiler the combination with a water heating unit projecting into the boiler below the water line of a thermostat also projecting into the boiler below the water line and means for directing a flow of water from around the water heating unit to the thermostat whereby the thermostat is responsive to changes to temperatures in the water immediately around the water heating unit.

11. A boiler having a combustion chamber and a water chamber thereabove with a horizontal crown sheet between said chambers, a water heating unit having water tubes extending horizontally above said crown sheet, and a generally horizontal deflector plate extending across a major portion of the boiler arranged to direct a current of hot water against the water heating unit.

2,027,346
REMOVAL OF WAX FROM HYDROCARBON OIL
Bernard Y. McCarty, Bayonne, N. Y., and William E. Shelton, Cambridge, Mass., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application November 30, 1931, Serial No. 578,268
9 Claims. (Cl. 196—19)

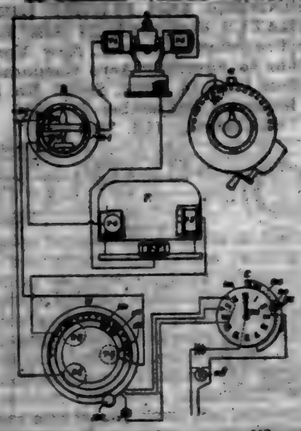
9. The process of dewaxing mineral lubricating oil which comprises mixing with the oil a selective solvent liquid composed of a mixture of an added oil solvent liquid and a wax anti-solvent liquid selected from the group consisting of the mono-alkyl ethers of ethylene and diethylene glycol up to and including the butyl ethers in such proportions that at temperatures of the order of −10° F. the mixture has substantially complete solvent action on the oil but substantially no solvent action on the wax, chilling the mixture to precipitate the wax, filtering the cold mixture in the presence of a filter-aid material to remove the wax, and removing the solvent from the resulting filtrate to produce low pour test oil.

2,027,347
PRINTING DEVICE FOR LUMBER
Henry H. Feyrsak, St. Paul, Minn., assignor to General Timber Service, Inc., St. Paul, Minn., a corporation of Delaware
Application December 8, 1931, Serial No. 579,214
14 Claims. (Cl. 101—231)



1. A printing device for lumber having in combination a rotary head arranged to print on a substantially vertical surface of lumber, a reservoir, a disk arranged to be partially submerged in printing fluid in said reservoir, an inking roll in contact with the periphery of said head, a plurality of distributing rollers of different diameters engaging the periphery of said inking roll, means for positively rotating said rollers and roll in timed relation to said head and means for transmitting printing fluid from said disk to said roll.

2,027,348
SIGHTING CONTROL FOR AIRCRAFT
Alexander Procoffeff-Seversky, New York, N. Y., assignor to Seversky Aero Corporation
Application April 19, 1932, Serial No. 551,191
Renewed October 6, 1934
43 Claims. (Cl. 33—46.5)



1. A sighting system for use with aircraft including a sight, a support therefor on which the sight is capable of universal movement, a direction indicator separate from the sight, means for communicating relative motion between the sight and its support to the direction indicator, a drift angle indicator and means for communicating the angle of drift from the drift indicator to the sight support.

18. In apparatus of the character described, a movable sight; a timing device having an element movable to predetermined position to indicate the moment of passing above a target; and means controlled by movement of the sight when trained on the target to set said timing device in operation to operate said element.

22. In apparatus of the character described, a direction indicator comprising, in combination, a support, an indicator mounted thereon, a differential mechanism for actuating said indicator, means for actuating one element of said differential mechanism to correspond to lateral movement of the sight relative to the craft, a swinging arm, means for swinging said arm to correspond to the roll of the craft, and means controlled by the movement of said arm for actuating another element of said differential mechanism.

27. A stable base of the character described for use in a movable craft comprising, in combination, a rotatable support, a gyroscope mounted for universal pivotal movement thereon, gearing actuated by relative pivotal movement laterally of the craft between the gyroscope and the support, gearing actuated by relative pivotal movement longitudinally of the craft between the gyroscope and the support, a drift indicating device, and means controlled by the drift indicating device for rotating the support through an angle corresponding to the indicated drift.

32. In apparatus of the character described, a sight, a stable base, said sight and stable base being independent of each other and means con-

trolled jointly by the sight and stable base to indicate true changes in direction of the sight in a horizontal plane.

61. In apparatus of the character described for use in aircraft, a movable sight, a pilot's director, means for transmitting lateral movement of the sight to the pilot's director, means to modify the indications of the pilot's director in accordance with altitude and drift angle to cause the pilot to follow a line of travel above but a predetermined distance to one side of a target on which the sight is trained.

2,027,249

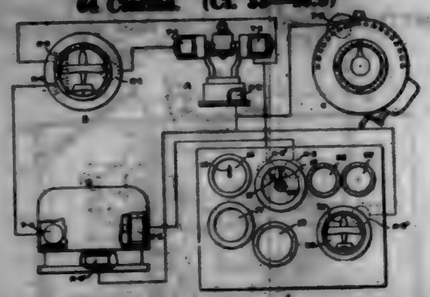
RANGE FINDING AND FLIGHT DIRECTING APPARATUS FOR USE IN AIRCRAFT

Alexander Procofieff-Seversky, New York, N. Y., assignor to Seversky Aero Corporation

Application June 13, 1931, Serial No. 545,089

Renewed September 21, 1934

64 Claims. (Cl. 33—46.5)



1. In a range angle calculating apparatus, in combination, a guide laterally adjustable to different positions to correspond to various altitudes, a slide on said guide, a movable sight arranged to be trained continuously upon a target, a motor for moving said slide along said guide, means automatically controlled by the movement of the sight for controlling said motor.

14. In apparatus of the character described, a movable sight arranged to be continuously trained upon a target, a pivoted arm movable in synchronism with said sight, means for moving the arm in synchronism with the sight, a slide, a motor arranged to move said slide and controlled by the pivoted arm, to maintain the slide in predetermined position relative to said arm, a calculator mechanism including a cam, means controlled by the rate of movement of said slide for actuating said cam.

20. In apparatus of the character described, in combination, a movable sight, a movable element, electrical means operable to actuate the movable element at one speed when the sight moves at a speed less than a predetermined speed and at a greater speed when the sight moves at a speed greater than said predetermined speed.

36. In apparatus of the character described, in combination, a pivoted sight arranged to be trained continuously on a target, a stable base arranged to maintain a constant position relative to the vertical independently of the pitching of the aircraft, a pivoted arm, means controlled by the sight and stable base for moving the pivoted arm in synchronism with the movement of the sight relative to the stable base, a speed indicator and means controlled by the movement of the arm to actuate the speed indicator to correspond to the rate of change of the cotangent of the angle of depression of the sight relative to the stable base.

42. In a range angle calculating apparatus, in combination, a sighting element, a follower movable in synchronism with the sighting element and controlled thereby, a range angle indicator and means controlled by the follower for actuating the range angle indicator.

2,027,250

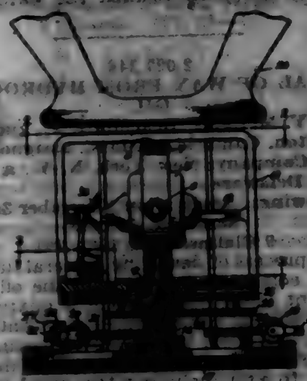
APPARATUS FOR USE IN DIRECTING THE FLIGHT OF AIRCRAFT

Alexander Procofieff-Seversky, New York, N. Y., assignor to Seversky Aero Corporation

Application July 20, 1926, Serial No. 123,346

Renewed September 20, 1934

26 Claims. (Cl. 33—46.5)



1. Flight directing apparatus for use in aircraft comprising in combination, a sight arranged to be continuously trained on an objective, a device supporting said sight adjustable in accordance with the angle of drift of the craft, and means controlled automatically by the turning of the craft through a predetermined angle from a desired course for adjusting said device through an angle greater than the angle of turning of the craft.

2,027,251

PROCEDURE FOR THE MANUFACTURE OF CONDENSATION PRODUCTS

Walther Schrauth, Berlin-Dahlem, Germany, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany, a corporation of Germany

No Drawing. Application October 28, 1933, Serial No. 695,326. In Germany October 28, 1932

10 Claims. (Cl. 260—3)

1. Procedure for the manufacture of condensation products, comprising the heating of polybasic carbon acids and ricinoleyl alcohol (dioxyoctadecene).

2,027,252

METHOD OF CONSTRUCTING CERTAIN DISPLAY AND TOY ARTICLES

Peter Wennberg, Chicago, Ill., assignor of forty-nine one-hundredths to H. Arnold Michel, Chicago, Ill.

Application April 16, 1935, Serial No. 16,634

10 Claims. (Cl. 46—157)

1. A dressable figure for use as a doll, display model or the like comprising a substantially flat figure having a face, said figure being formed to present a peripheral outline of the predetermined object or creature represented by its face, a stiffening backing of similar outline to which said figure is attached, a resilient sheet secured only to said backing, and securing means extending from said sheet through said backing, said sheet being unsecured to said backing near the periph-



ery of the figure whereby to provide a cuff-groove between said sheet and said backing.

2,027,253

SAFE

Maurice B. Bennett, Leif Sylvester M. Archer, Stamford, Conn., assignors to The Yale & Towne Mfg. Co., Stamford, Conn., a corporation of Connecticut

Application July 21, 1933, Serial No. 681,719

4 Claims. (Cl. 109—5)



1. In a safe, a compartment having a door, a drawer in said safe, a partition between said compartment and drawer, a bolt having a latching end mounted in said partition, a lock for said door, means for operating said door lock and said bolt simultaneously, said bolt latching end being depressible by said drawer in one of the positions of said bolt whereby to permit the drawer to close and to be locked, said bolt and latching end being retractible as a unit upon release of the door lock whereby to release said drawer.

2,027,254

SOLVENT REFINING WITH NITRO-ALCOHOLS

Louis A. Clarke, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application November 2, 1933, Serial No. 696,539

4 Claims. (Cl. 196—11)

1. The method of refining hydrocarbon oil containing relatively paraffinic and relatively non-paraffinic constituents, including naphthenic, aromatic, and unsaturated bodies, to remove undesired relatively non-paraffinic constituents therefrom, which comprises extractively treating the oil with nitrobenzyl alcohol whereby the undesired constituents are separated from the oil as an extract soluble in the solvent liquid.

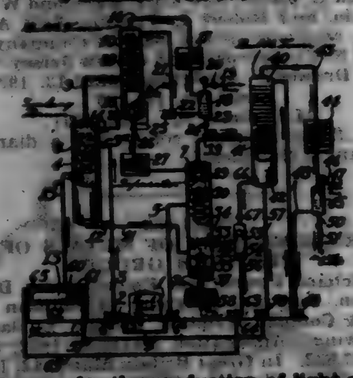
2,027,255

CRACKING PROCESS FOR HYDROCARBON OILS

Frank H. Edson, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 14, 1932, Serial No. 647,189

5 Claims. (Cl. 196—58)



1. Process for the production of light oils from a heavy oil, which comprises passing a stream of the heavy oil from a source of supply, dividing the stream of oil into a plurality of parts, subjecting the parts to pressure, passing one of the parts under pressure into a conversion chamber, heating oil to a cracking temperature in a heating zone under pressure, passing the heated oil into the conversion chamber, separately withdrawing the vapors and liquid from the conversion chamber, condensing the vapors, contacting the liquids with the remaining part of the heavy oil, fractionating the mixture and separately recovering different boiling point fractions of the mixture, subjecting a lower and a higher boiling fraction to pressure, passing the lower boiling fraction of the mixture in a stream through the heating zone, passing the higher boiling fraction into the stream of lower boiling fraction after the stream has been heated to a cracking temperature, subjecting the mixture to heat and passing the mixture into said conversion chamber.

2,027,256

CONTROL OF FLUID PRESSURE DEVICES

Ralph Erling, Alexandria, Va.

Application March 13, 1934, Serial No. 715,297

10 Claims. (Cl. 192—38)

(Filed but not issued under the act of March 2, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The combination with a fluid pressure device having a cylinder, a piston therein, and movable means acting on said piston to vary the stroke thereof in said cylinder, of manually actuatable means for operating said movable means, and mechanism actuatable by fluid subjected to the pressure exerted in said cylinder connected to operate said movable means, said mechanism including an element having a neutral position wherein it prevents access of fluid under pressure to said mechanism, said element being mechanically connected to said manually actuatable means to be moved by operation of said manually

actuatable means to admit fluid to said mechanism in a direction to aid in the operation of said movable means.

2,027,257
FLOTATION OF MINERALS
Frederick G. Moses, New York, Raymond W. Hess, Buffalo, and Robert L. Perkins, East Aurora, N. Y., assignors to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 13, 1927, Serial No. 191,260
24 Claims. (Cl. 209—166)

12. A flotation agent comprising a diaryl disulfide and a thiophenol.

2,027,258
ELECTRODEPOSITION OF METALS OF THE PLATINUM GROUP
Alan Richard Powell and Emyr Conwy Davies, London, England, assignors to Johnson Matthey & Company Limited, London, England
No Drawing. Application March 9, 1932, Serial No. 597,632. In Great Britain March 12, 1931
9 Claims. (Cl. 204—1)

1. Process for the electro-deposition of metals of the group platinum, palladium and rhodium in which the plating bath comprises a solution of a soluble double sodium nitrite of the metal rendered slightly acid by the addition of a small quantity of a mineral acid the anion of which is neither oxidised at the anode nor reduced at the cathode during plating.

2,027,259
MUFFLER
Walter A. Wood, Detroit, and John D. Almen, Royal Oak, Mich., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 30, 1932, Serial No. 645,621
Renewed March 6, 1934
1 Claim. (Cl. 181—46)

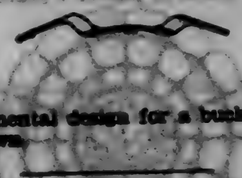


A muffler for silencing explosion noises for use with an internal combustion engine, including, a casing for the flow of exhaust gases, a series of baffle walls within the casing for breaking up sound waves of varying frequencies, a tube extending axially of the casing and being supported by said walls, a partition wall at an intermediate point within said tube providing on opposite sides thereof a pair of tuning chambers, each tuning chamber being of a pre-determined length equal to one quarter that of a certain sound wave of a constant frequency at all engine speeds, whereby to damp the wave train by out of phase reflection.

DESIGNS
JANUARY 7, 1930

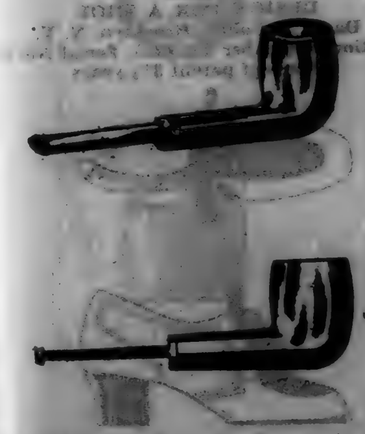
88,045
DESIGN FOR A BUCKLE
Lewis Alterson, New York, N. Y.
Application November 19, 1925, Serial No. 69,854
Term of patent 3½ years





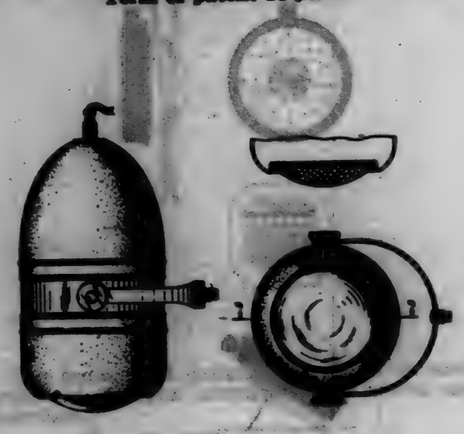
The ornamental design for a buckle, substantially as shown.

88,046
DESIGN FOR A TOBACCO PIPE
Montague Henry Barling, Camden Town, London, England, assignor to the firm B. Barling & Sons, London, England, a partnership composed of Walter Frederick Barling, Walter William Barling, and said Montague Henry Barling
Application January 3, 1935, Serial No. 54,765
In Great Britain December 14, 1934
Term of patent 14 years



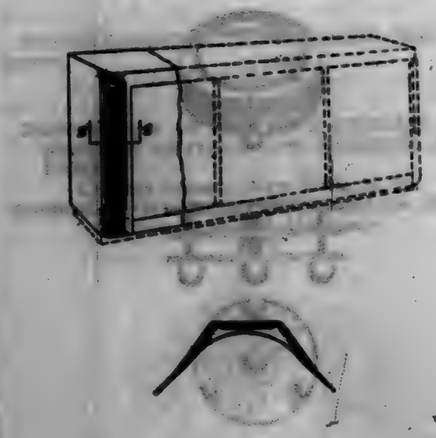
The ornamental design for a tobacco pipe, substantially as shown and described.

88,047
DESIGN FOR A SPOTLIGHT
Morris B. Bock, Woodmere, N. Y.
Application January 29, 1935, Serial No. 55,122
Term of patent 14 years



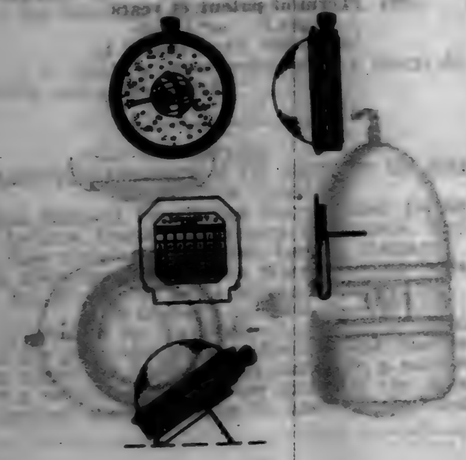
The ornamental design for a spotlight, as shown and described.

88,048
DESIGN FOR A CABINET
Samuel J. Block, Connersville, Ind., assignor to Steel Kitchens Corporation, Connersville, Ind., a corporation of Illinois
Application February 23, 1935, Serial No. 55,547
Term of patent 7 years



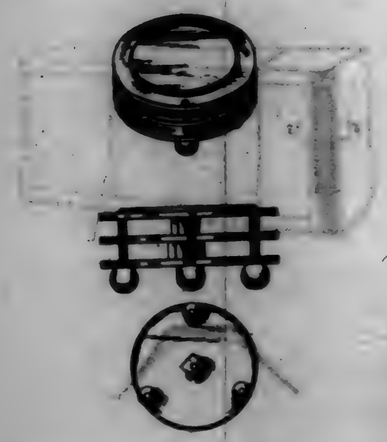
The ornamental design for a cabinet, substantially as shown and described.

98,049
DESIGN FOR A COMBINED PAPER WEIGHT, CLOCK, CALENDAR, AND SUPPORT THEREFOR
George W. Blow, New York, N. Y., assignor to Western Clock Company, Peru, Ill., a corporation of Illinois
Application August 9, 1935, Serial No. 58,832
Term of patent 7 years



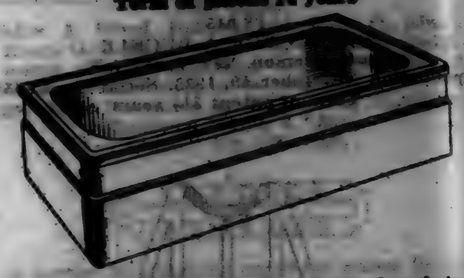
The ornamental design for a combined paper weight, clock, calendar, and support therefor, as shown and described.

98,050
DESIGN FOR AN ELECTRIC HEATER
Emery Brush, Chicago, Ill., assignor to Moffat Sales Corporation, Chicago, Ill., a corporation of Illinois
Application May 6, 1935, Serial No. 52,769
Term of patent 3½ years



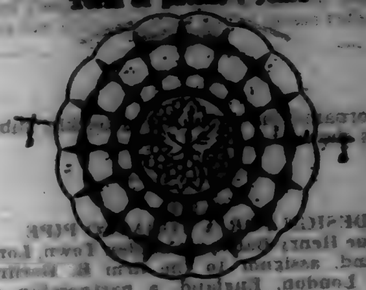
The ornamental design for an electric heater, substantially as shown.

98,051
DESIGN FOR A BATHTUB
John A. Callahan, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application April 26, 1935, Serial No. 16,181
Term of patent 14 years



The ornamental design for a bathtub, substantially as shown.

98,052
DESIGN FOR A PLATE
Joddie B. Clark, Dunkirk, Ind., assignor to Indiana Glass Company, Dunkirk, Ind., a corporation of Indiana
Application October 29, 1935, Serial No. 50,262
Term of patent 7 years



The ornamental design for a plate, as shown.

98,053
DESIGN FOR A SHOE
David B. Cohen, Brooklyn, N. Y.
Application November 20, 1935, Serial No. 50,610
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

98,054
DESIGN FOR A SHOE
Pasquale Colella, Nahant, Mass., assignor to Colella & Leighton Shoe Company, Lynn, Mass., a corporation of Massachusetts
Application November 15, 1935, Serial No. 50,486
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

98,055
DESIGN FOR A JAR
Benjamin F. Conner, West Hartford, Conn.
Application April 16, 1935, Serial No. 56,416
Term of patent 14 years



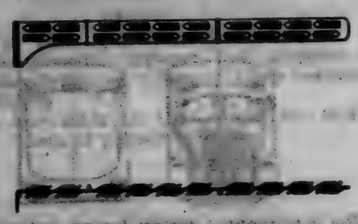
The ornamental design for a jar as shown and described.

98,056
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Edward J. Conroy, New Haven, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application November 21, 1935, Serial No. 50,635
Term of patent 14 years



The ornamental design for a spoon or other article of flatware, substantially as shown and described.

98,057
DESIGN FOR A NECKTIE HOLDER
Fred R. Culver, Wilson, N. Y.
Application September 24, 1935, Serial No. 56,681
Term of patent 3½ years



The ornamental design for a necktie holder, as shown.

98,058
DESIGN FOR AN APPLIQUE EMBLEM OR SIMILAR ARTICLE FOR WEARING APPAREL
Charles Ramsey, New York, N. Y.
Application October 16, 1935, Serial No. 50,031
Term of patent 3½ years



The ornamental design for an applique emblem or similar article for wearing apparel, substantially as shown and described.

96,059
DESIGN FOR A SHOE
Samuel Epstein, New York, N. Y.
Application November 26, 1935, Serial No. 59,763
Term of patent 2½ years



The ornamental design for a shoe, substantially as shown.

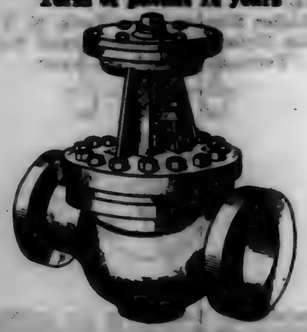
96,060
DESIGN FOR AN AUTOMOBILE BODY OR SIMILAR ARTICLE
Robert M. Ferguson, Jr., Newark, N. J.
Application April 22, 1935, Serial No. 56,531
Term of patent 7 years





The ornamental design for an automobile body or similar article as shown and described.

96,061
DESIGN FOR A ROTARY VALVE
Victor E. Fiedin, Oak Park, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application October 30, 1935, Serial No. 59,272
Term of patent 14 years



The ornamental design for a rotary valve substantially as shown and described.

96,062
DESIGN FOR A DOLL BABY NOVELTY
A Lester Gabe, New York, N. Y., assignor to Kyt Guild, Inc., Utica, N. Y., a corporation of New York
Application November 25, 1935, Serial No. 64,128
Term of patent 3½ years



The ornamental design for a doll baby novelty as shown and described.

96,063
DESIGN FOR A SHOE
Herman Goldberg, Haverhill, Mass.
Application November 19, 1935, Serial No. 59,585
Term of patent 3½ years



The ornamental design for a shoe as shown.

96,064
DESIGN FOR A PLATE OR SIMILAR ARTICLE
John Edward Goodwin, Penrhyn Bay, Llandudno, North Wales, assignor to Josiah Wedgwood & Sons, Inc. of America, New York, N. Y., a corporation of New York
Application April 24, 1935, Serial No. 56,539
Term of patent 7 years



The ornamental design for a plate or similar article as shown.

96,065
DESIGN FOR A GLIDER
William G. Hardy, Crafton, Pa., assignor to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 8, 1935, Serial No. 59,462
Term of patent 7 years



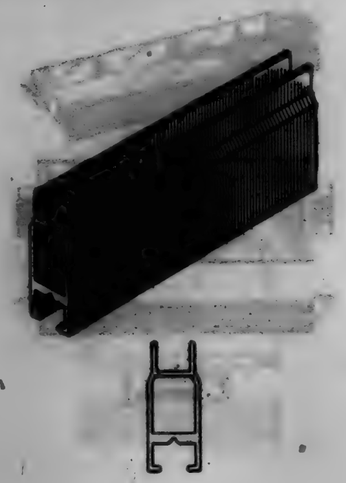
The ornamental design for a glider, as shown.

96,066
DESIGN FOR A COMBINED CASING, STAND, AND CAPPING DEVICE FOR A BOTTLING MACHINE
Monroe Harrison, Chicago, Ill.
Application August 24, 1935, Serial No. 58,194
Term of patent 14 years



The ornamental design for a combined casing, stand, and capping device for a bottling machine, substantially as shown.

96,067
DESIGN FOR A METAL SASH RAIL
Hugh H. Hendrickson, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application November 11, 1935, Serial No. 59,482
Term of patent 14 years



The ornamental design for a metal sash rail, substantially as shown.

96,859
DESIGN FOR A SHOE
Samuel Epstein, New York, N. Y.
Application November 26, 1935, Serial No. 59,761
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

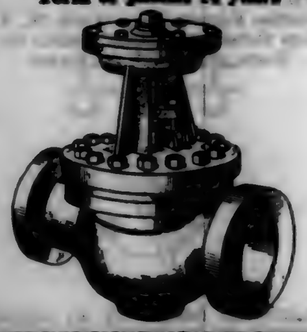
96,860
DESIGN FOR AN AUTOMOBILE BODY OR SIMILAR ARTICLE
Robert M. Ferguson, Jr., Newark, N. J.
Application April 23, 1935, Serial No. 56,321
Term of patent 7 years





The ornamental design for an automobile body or similar article as shown and described.

96,861
DESIGN FOR A ROTARY VALVE
Victor E. Flodin, Oak Park, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application October 30, 1935, Serial No. 59,272
Term of patent 14 years



The ornamental design for a rotary valve substantially as shown and described.

96,862
DESIGN FOR A DOLL BABY NOVELTY
A Lester Gaba, New York, N. Y., assignor to Kyt Guild, Inc., Utica, N. Y., a corporation of New York
Application November 23, 1934, Serial No. 54,128
Term of patent 3½ years



The ornamental design for a doll baby novelty as shown and described.

96,863
DESIGN FOR A SHOE
Herman Goldberg, Haverhill, Mass.
Application November 19, 1935, Serial No. 59,661
Term of patent 3½ years



The ornamental design for a shoe as shown.

96,864
DESIGN FOR A PLATE OR SIMILAR ARTICLE
John Edward Goodwin, Penrhyn Bay, Llandudno, North Wales, assignor to Josiah Wedgwood & Sons, Inc. of America, New York, N. Y., a corporation of New York
Application April 24, 1935, Serial No. 56,539
Term of patent 7 years



The ornamental design for a plate or similar article as shown.

96,865
DESIGN FOR A GLIDER
William G. Hardy, Crafton, Pa., assignor to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 9, 1935, Serial No. 59,443
Term of patent 7 years



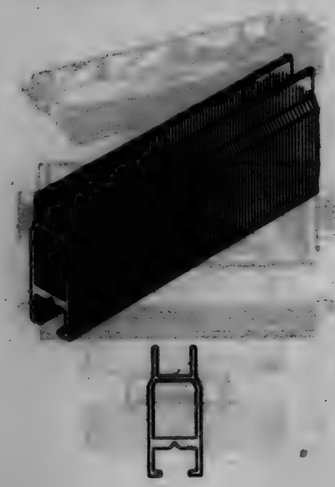
The ornamental design for a glider, as shown.

96,866
DESIGN FOR A COMBINED CASING, STAND, AND CAPPING DEVICE FOR A BOTTLING MACHINE
Monroe Harrison, Chicago, Ill.
Application August 24, 1935, Serial No. 58,194
Term of patent 14 years



The ornamental design for a combined casing, stand, and capping device for a bottling machine, substantially as shown.

96,867
DESIGN FOR A METAL SASH RAIL
Hugh H. Hendrickson, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application November 11, 1935, Serial No. 59,482
Term of patent 14 years



The ornamental design for a metal sash rail, substantially as shown.

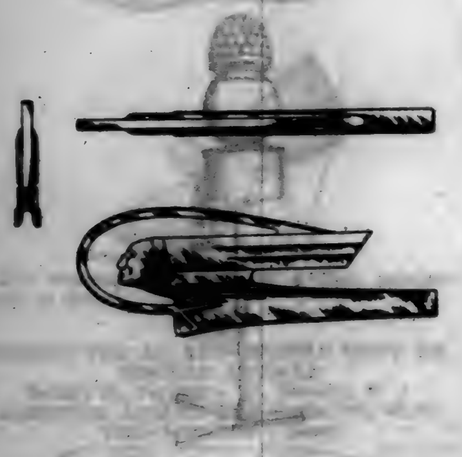
88,662

DESIGN FOR AN AUTOMOBILE RADIATOR ORNAMENT

Franklin Q. Hershey, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 30, 1935, Serial No. 58,757

Term of patent 7 years



The ornamental design for an automobile radiator ornament as shown.

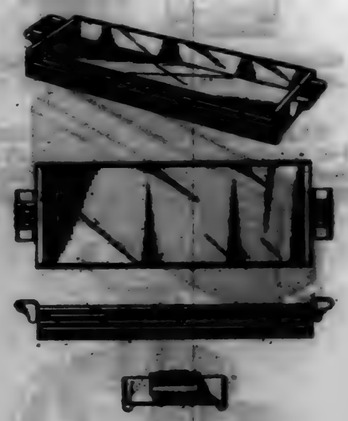
88,663

DESIGN FOR A TRAY OR SIMILAR ARTICLE

James H. Hershey, Chicago, Ill.

Application November 11, 1935, Serial No. 59,492

Term of patent 14 years



The ornamental design for a tray or similar article, substantially as shown.

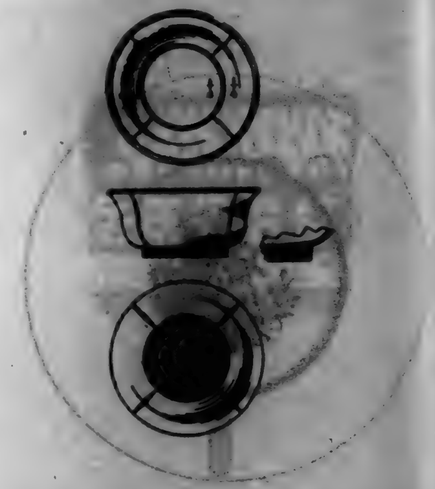
88,670

DESIGN FOR A CEREAL BOWL OR SIMILAR ARTICLE

George L. Jenks, Chicago, Ill.

Application October 30, 1935, Serial No. 58,771

Term of patent 7 years



The ornamental design for a cereal bowl or similar article, substantially as shown and described.

88,671

DESIGN FOR A SERVICE STAND FOR THE DISPLAY OF HORS D'OEUVRES

Alexander Kasak, New York, N. Y.

Application November 22, 1935, Serial No. 59,031

Term of patent 2½ years



The ornamental design for a service stand for the display of hors d'oeuvres substantially as shown.

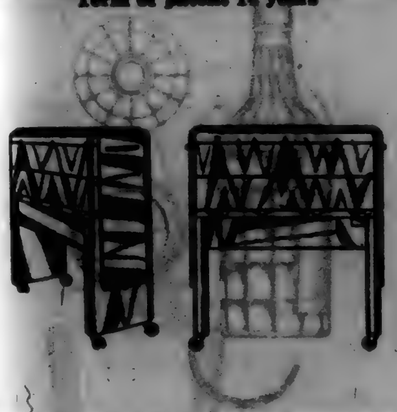
88,672

DESIGN FOR A CABINET FOR A DOMESTIC IRONING MACHINE

Gustav R. Koll, St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y., a corporation of New York

Application October 26, 1935, Serial No. 58,528

Term of patent 14 years



The ornamental design for a cabinet for a domestic ironing machine as shown.

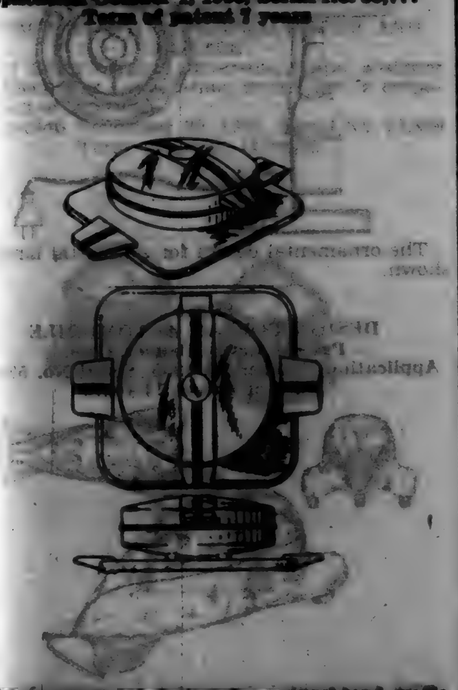
88,673

DESIGN FOR A COMBINED WAFFLE IRON AND TRAY

Andrew S. Knapp, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Application October 1, 1935, Serial No. 58,777

Term of patent 7 years



The ornamental design for a combined waffle iron and tray substantially as shown.

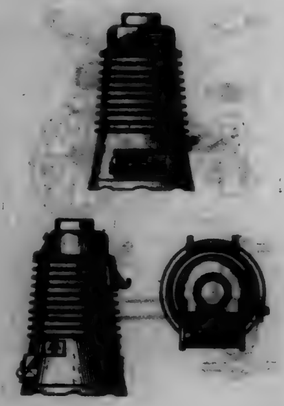
88,674

DESIGN FOR A BROODER STOVE

Leland G. Knapp, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois

Application January 10, 1935, Serial No. 54,783

Term of patent 7 years



The ornamental design for a brooder stove, as shown.

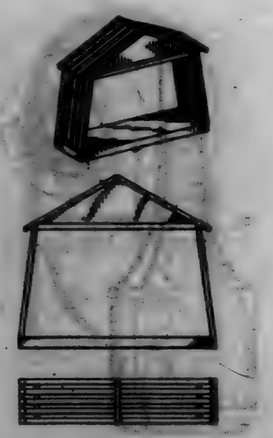
88,675

DESIGN FOR A DRESS DISPLAY CASE

Albert M. Knapp, Philadelphia, Pa.

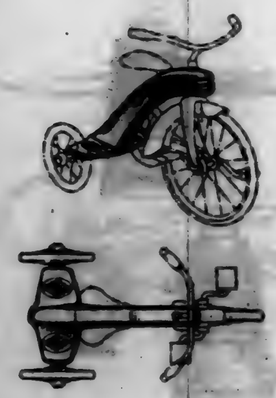
Application October 22, 1935, Serial No. 58,185

Term of patent 7 years



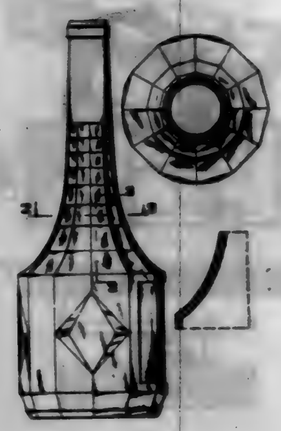
The ornamental design for a dress display case as shown.

88,976
DESIGN FOR A VELOCIPEDE
Herman L. Kraeft, Cleveland Heights, Ohio, assignor to The Murray Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 18, 1935, Serial No. 57,212
Term of patent 7 years



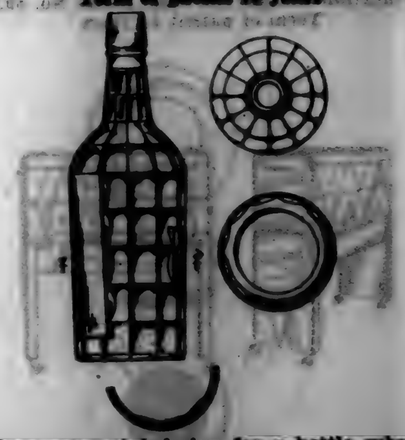
The ornamental design for a velocipede substantially, as shown.

88,977
DESIGN FOR A BOTTLE
George H. Laird, West Medford, Mass., assignor to C. H. Graves & Sons Company, Boston, Mass., a corporation of Massachusetts
Application November 13, 1935, Serial No. 59,532
Term of patent 14 years



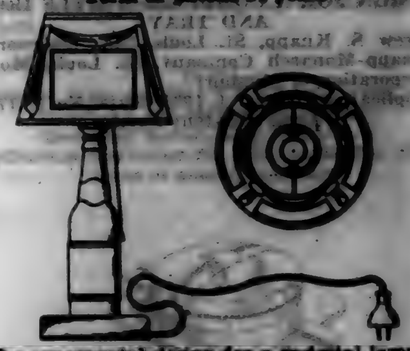
The ornamental design for a bottle substantially as shown and described.

88,978
DESIGN FOR A BOTTLE
George H. Laird, West Medford, Mass., assignor to C. H. Graves & Sons Company, Boston, Mass., a corporation of Massachusetts
Application November 13, 1935, Serial No. 59,531
Term of patent 14 years



The ornamental design for a bottle substantially as shown and described.

88,979
DESIGN FOR A PEDESTAL LAMP
Louis Levenson, San Francisco, Calif.
Application October 31, 1935, Serial No. 59,381
Term of patent 14 years



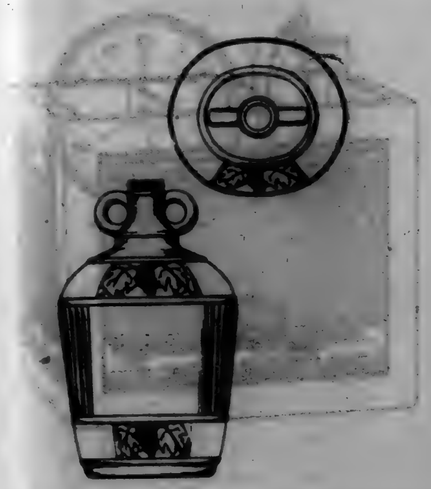
The ornamental design for a pedestal lamp, as shown.

88,980
DESIGN FOR AN AUTOMOBILE
Paul M. Lewis, Denver, Colo.
Application October 31, 1935, Serial No. 59,390
Term of patent 14 years



The ornamental design for an automobile, as shown.

88,981
DESIGN FOR A JUG
Arnold J. Levenson, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 8, 1935, Serial No. 59,451
Term of patent 14 years



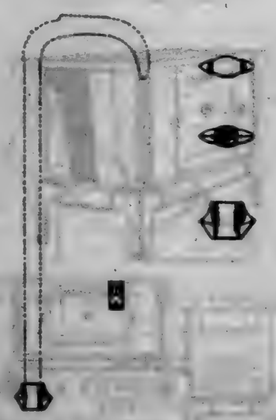
The ornamental design for a jug substantially as shown and described.

88,982
DESIGN FOR A COMBINED BRUSH AND NOZZLE
Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application November 29, 1935, Serial No. 59,820
Term of patent 14 years



The ornamental design for a combined brush and nozzle as shown.

88,983
DESIGN FOR A WALKING STICK
Louis G. McCurtin, Maywood, N. J.
Application March 23, 1935, Serial No. 56,047
Term of patent 3½ years



The ornamental design for a walking stick, as shown and described.

88,984
DESIGN FOR A GAME BOARD
Raymond H. Cubrink, Los Angeles, Calif.
Application November 16, 1935, Serial No. 59,614
Term of patent 7 years



The ornamental design for a game board as shown.

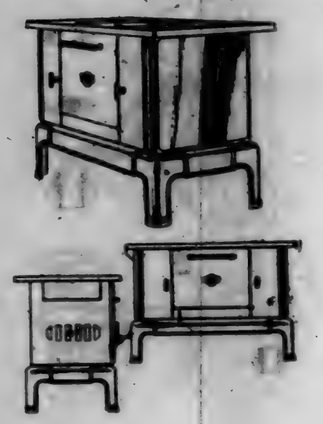
88,885

DESIGN FOR A SOLID FUEL COOK STOVE

George E. Pickup, Newark, Ohio, assignor to The Welsbo Company, Newark, Ohio, a corporation of Ohio

Application November 1, 1935, Serial No. 59,315

Term of patent 7 years



The ornamental design for a solid fuel cook stove, substantially as shown.

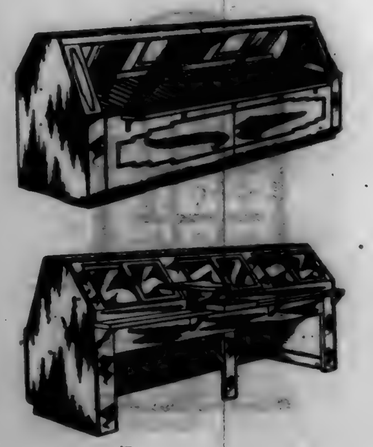
88,886

DESIGN FOR A SHOWCASE

Frank L. Pollard, Oakland, Calif.

Application October 26, 1935, Serial No. 59,214

Term of patent 3½ years



The ornamental design for a show-case as shown.

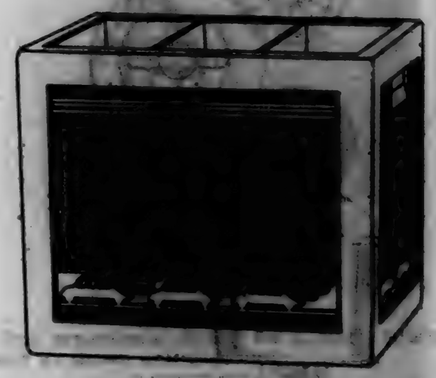
88,887

DESIGN FOR A STORAGE BATTERY CASE

Oliver O. Risser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio

Application November 16, 1935, Serial No. 59,671

Term of patent 7 years



The ornamental design for a storage battery case, as shown and described.

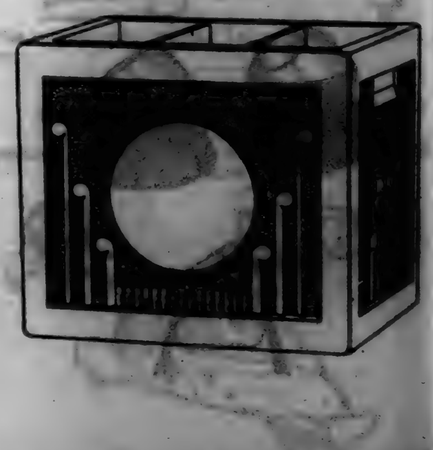
88,888

DESIGN FOR A STORAGE BATTERY CASE

Oliver O. Risser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio

Application November 16, 1935, Serial No. 59,672

Term of patent 7 years



The ornamental design for a storage battery case, as shown and described.

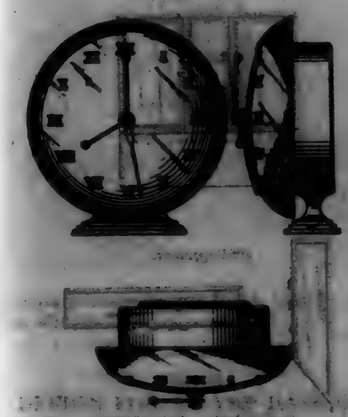
88,889

DESIGN FOR A CLOCK

Arnold E. Rittlesberg, New Rochelle, N. Y.

Application November 1, 1935, Serial No. 59,317

Term of patent 14 years



The ornamental design for a clock, as shown.

88,890

DESIGN FOR A BRASSIERE

William Rosenthal, New York, N. Y., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York

Application November 15, 1935, Serial No. 59,524

Term of patent 14 years



The ornamental design for a brassiere, as shown.

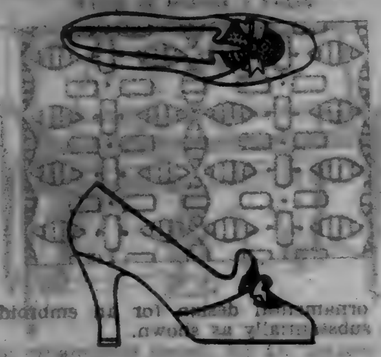
88,891

DESIGN FOR A SHOE

Benjamin B. Gilmartin, Brooklyn, N. Y.

Application November 20, 1935, Serial No. 59,590

Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

88,892

DESIGN FOR A POWDER BOX OR SIMILAR ARTICLE

Jacob S. Sherman, Chicago, Ill.

Application November 11, 1935, Serial No. 59,496

Term of patent 14 years



The ornamental design for a powder box or similar article, substantially as shown.

88,893

DESIGN FOR AN EMBROIDERED FABRIC

Louis A. Hill, New York, N. Y.

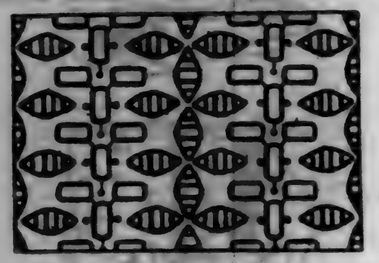
Application December 13, 1935, Serial No. 60,035

Term of patent 3½ years



The ornamental design for an embroidered fabric, substantially as shown.

98,096
DESIGN FOR AN EMBROIDERED FABRIC
Louis A. Hill, New York, N. Y.
Application December 13, 1935, Serial No. 59,617
Term of patent 3½ years



The ornamental design for an embroidered fabric, substantially as shown.

98,095
DESIGN FOR AN EAR DRUM PROTECTOR
Nat P. Stechler, New York, N. Y.
Application November 26, 1935, Serial No. 59,749
Term of patent 14 years



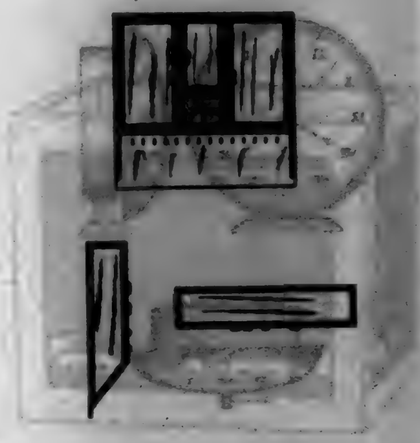
The ornamental design for an ear drum protector as shown.

98,098
DESIGN FOR A BEVERAGE COOLER
George V. Steffens, Clayton, Mo.
Application October 17, 1935, Serial No. 59,097
Term of patent 14 years



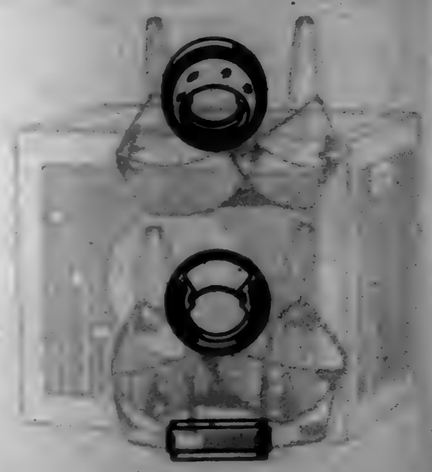
The ornamental design for a beverage cooler as shown and described.

98,097
DESIGN FOR A WALL CABINET
Ralph W. Swanson, Mount Pleasant, Mich.
Application August 1, 1935, Serial No. 57,251
Term of patent 14 years



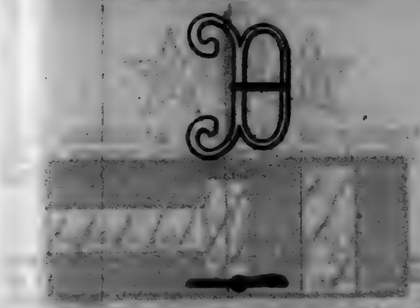
The ornamental design for a wall cabinet, as shown.

98,093
DESIGN FOR A CASING FOR FLEXIBLE MEASURING RULES
Frederick A. Volk, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application April 20, 1935, Serial No. 55,569
Term of patent 14 years



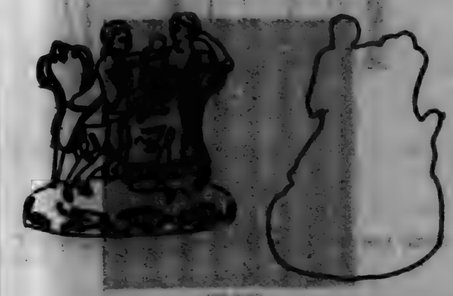
The ornamental design for a casing for flexible measuring rules, as shown.

98,099
DESIGN FOR A BUCKLE
John J. Walsh, Maplewood, Mo., assignor to Hilton Shoe Company, St. Louis, Mo., a corporation of Missouri
Application November 5, 1935, Serial No. 59,306
Term of patent 3½ years



The ornamental design for a buckle, substantially as shown.

98,100
DESIGN FOR A LAMP BASE OR SIMILAR ARTICLE
Ruth Weidmann, New York, N. Y.
Application November 8, 1935, Serial No. 59,427
Term of patent 3½ years



The ornamental design for a lamp base or similar article, substantially as shown.

98,101
DESIGN FOR A BUCKLE
Harland F. Wright, Woodside, N. Y.
Application November 16, 1935, Serial No. 59,816
Term of patent 3½ years



The ornamental design for a buckle substantially as shown.

98,102
DESIGN FOR AN UPRIGHT PIANO
William Zaiser, Rockville Centre, N. Y., assignor to Winter & Co., a corporation of New York
Application November 7, 1935, Serial No. 59,419
Term of patent 7 years



The ornamental design for an upright piano substantially as shown.

98,103
DESIGN FOR AN UPRIGHT PIANO
William Zaiser, Rockville Centre, N. Y., assignor to Winter & Co., a corporation of New York
Application November 7, 1935, Serial No. 59,420
Term of patent 7 years



The ornamental design for an upright piano substantially as shown.

98,104
DESIGN FOR AN UPRIGHT PIANO
William Zaiser, Rockville Centre, N. Y., assignor to Winter & Co., a corporation of New York
Application November 7, 1935, Serial No. 59,421
Term of patent 7 years



The ornamental design for an upright piano substantially as shown.

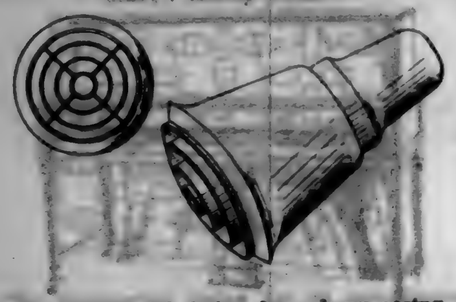
98,105

DESIGN FOR A LAMP CASING

Albert L. Arenberg, Chicago, Ill.

Application January 6, 1936, Serial No. 59,246

Term of patent 14 years



The ornamental design for a lamp casing, as shown.

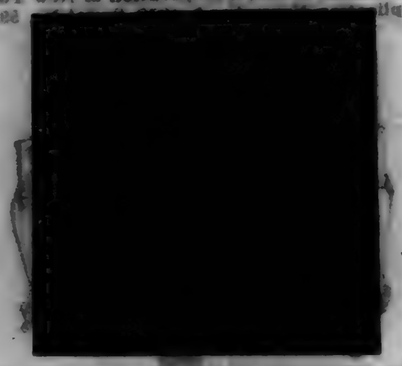
98,106

DESIGN FOR LACE

George D. Bowen, Philadelphia, Pa.

Application December 13, 1935, Serial No. 59,038

Term of patent 3½ years



The ornamental design for lace, substantially as shown.

98,107

DESIGN FOR A FLEXIBLE POCKET RECEPTACLE

Warren R. Denton, Longmeadow, Mass.

Application November 22, 1935, Serial No. 59,709

Term of patent 14 years



The ornamental design for a flexible pocket receptacle substantially as shown and described.

98,108

DESIGN FOR A FLEXIBLE POCKET RECEPTACLE

Warren R. Denton, Longmeadow, Mass.

Application November 27, 1935, Serial No. 59,800

Term of patent 14 years



The ornamental design for a flexible pocket receptacle substantially as shown and described.

98,109

DESIGN FOR A TEXTILE FABRIC

Osmond Cubet, New York, N. Y.

Application September 23, 1935, Serial No. 59,291

Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

98,110

DESIGN FOR AN APPLIQUE EMBLEM OR SIMILAR ARTICLE FOR WEARING APPAREL

Charles Ramsey, New York, N. Y.

Application October 16, 1935, Serial No. 59,025

Term of patent 3½ years



The ornamental design for an applique emblem or similar article for wearing apparel, substantially as shown and described.

98,111

DESIGN FOR AN APPLIQUE EMBLEM OR SIMILAR ARTICLE FOR WEARING APPAREL

Charles Ramsey, New York, N. Y.

Application October 16, 1935, Serial No. 59,029

Term of patent 3½ years



The ornamental design for an applique emblem or similar article for wearing apparel, substantially as shown and described.

98,112

DESIGN FOR A LIGHTING UNIT

Joseph W. Gosling, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 24, 1934, Serial No. 54,145

Term of patent 14 years



The ornamental design for a lighting unit, as shown.

98,113

DESIGN FOR A TOILET SEAT

William C. Greenlger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application May 20, 1935, Serial No. 56,900

Term of patent 14 years



The ornamental design for a toilet seat, as shown.

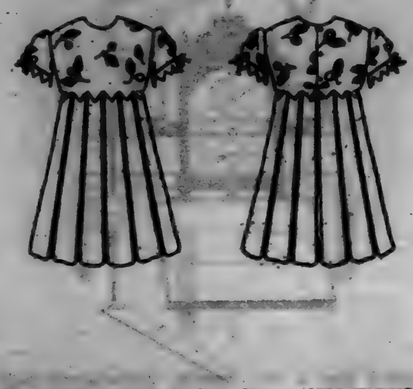
98,114

DESIGN FOR A DRESS

René Hubert, Hollywood, Calif., assignor to Rene-Hubert, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application November 6, 1935, Serial No. 59,351

Term of patent 3½ years



The ornamental design for a dress as shown and described.

98,115

DESIGN FOR A PIANO CASE

Gardner C. Kavanagh, Rochester, N. Y., assignor to Aeolian American Corporation, East Rochester, N. Y., a corporation of New York

Application November 2, 1935, Serial No. 59,219

Term of patent 14 years



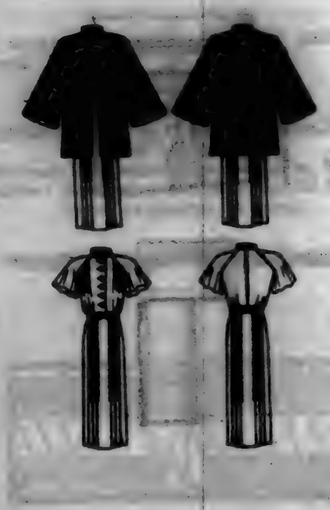
The ornamental design for a piano case as shown.

98,116
DESIGN FOR A MASS CARD HOLDER
William F. Lahn, Chicago, Ill., assignor to Holland Brass Works, Incorporated, Chicago, Ill., a corporation of Illinois
Application April 4, 1935, Serial No. 98,116
Term of patent 7 years



The ornamental design for a mass card holder, as shown.

98,117
DESIGN FOR AN ENSEMBLE DRESS
Emil Schwartz, New York, N. Y.
Application November 12, 1935, Serial No. 99,823
Term of patent 3½ years



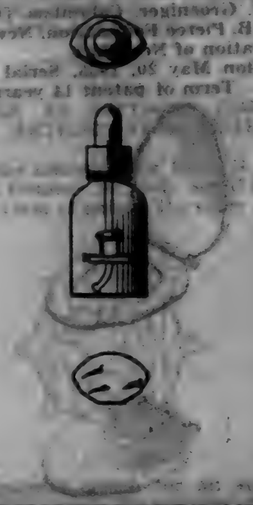
The ornamental design for an ensemble dress, substantially as shown.

98,118
DESIGN FOR AN ENSEMBLE DRESS
Emil Schwartz, New York, N. Y.
Application November 12, 1935, Serial No. 99,824
Term of patent 3½ years



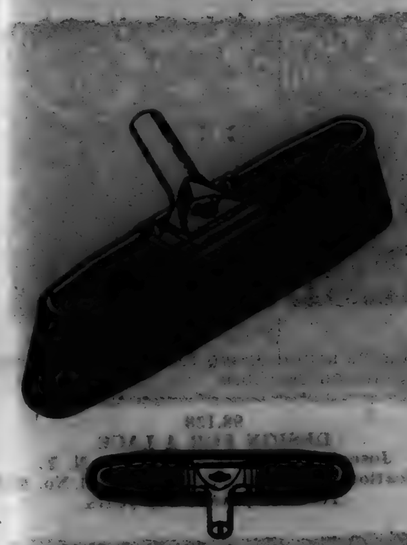
The ornamental design for an ensemble dress, substantially as shown, and described.

98,119
DESIGN FOR A COMBINATION BOTTLE AND DROPPER
Nat P. Stockler, New York, N. Y.
Application September 12, 1935, Serial No. 98,[illegible]
Term of patent 14 years



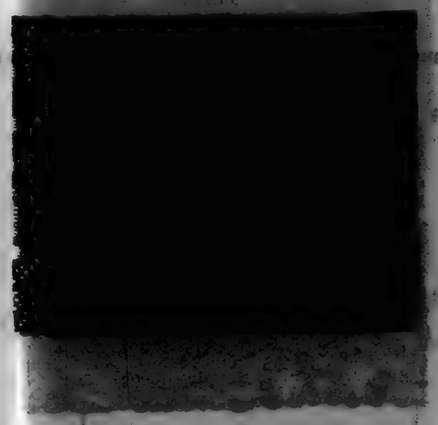
The ornamental design for a combination bottle and dropper, as shown and described.

98,120
DESIGN FOR A FLOOR BRUSH
Henry Cave, Hartford, Conn.
Application February 13, 1935, Serial No. 98,458
Term of patent 14 years



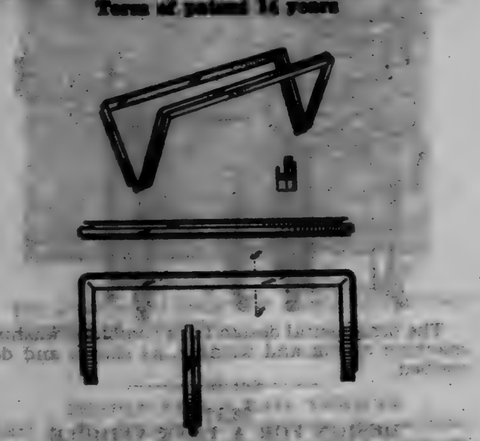
The ornamental design for a floor brush, as shown.

98,121
DESIGN FOR A LACE
Henry Glabel, New York, N. Y.
Application December 14, 1935, Serial No. 99,675
Term of patent 3½ years



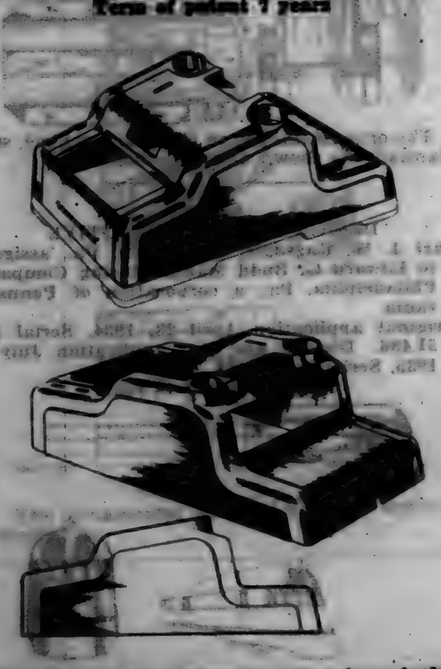
The ornamental design for a lace, substantially as shown.

98,122
DESIGN FOR A BAG FRAME
William C. Haring, Millburn Township, Essex County, N. J., assignor to The J. E. Morgott Company, Newark, N. J., a corporation of Delaware
Application November 4, 1935, Serial No. 99,276
Term of patent 14 years



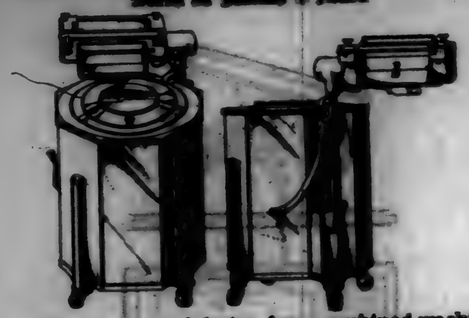
The ornamental design for a bag frame, as shown and described.

98,123
DESIGN FOR A CASE FOR CALCULATING MACHINES
Walter W. Landsiedel, Norwood, Ohio, assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application October 10, 1935, Serial No. 98,933
Term of patent 7 years



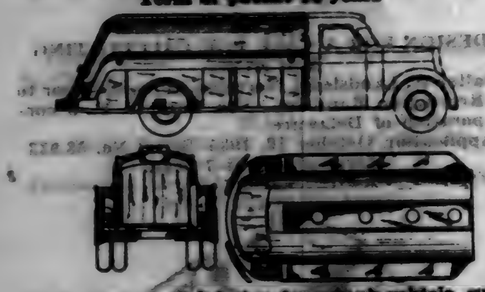
The ornamental design for a case for calculating machines as shown and described.

98,124
DESIGN FOR A COMBINED WASHING MACHINE CASING AND WRINGER
Arthur E. Peters, Fort Wayne, Ind., assignor to Horton Manufacturing Company, Fort Wayne, Ind., a corporation of Indiana
Application November 23, 1935, Serial No. 49,525
Term of patent 7 years



The ornamental design for a combined washing machine casing and wringer, as shown and described.

98,125
DESIGN FOR A TANK VEHICLE
Frederick G. Thwaits, Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application November 16, 1934, Serial No. 54,941
Term of patent 14 years



The ornamental design for a tank vehicle, substantially as shown and described.

98,126
DESIGN FOR A LOCOMOTIVE
Earl J. W. Ragsdale, Norristown, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application April 23, 1934, Serial No. 51,494. Divided and this application July 2, 1935, Serial No. 27,422
Term of patent 14 years



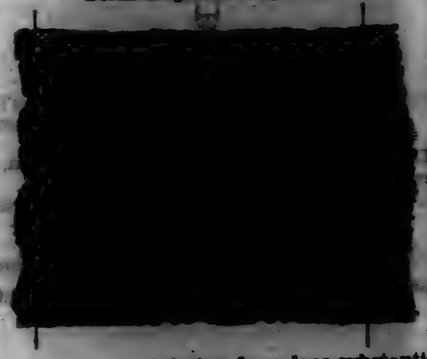
The ornamental design for a locomotive substantially as shown and described.

98,127
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application December 13, 1935, Serial No. 49,[illegible]
Term of patent [illegible]



The ornamental design for a lace substantially as shown and described.

98,128
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application December 11, 1935, Serial No. 49,[illegible]
Term of patent [illegible]



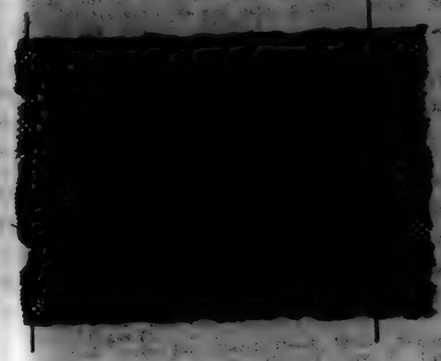
The ornamental design for a lace substantially as shown and described.

98,129
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application December 13, 1935, Serial No. 49,[illegible]
Term of patent [illegible]



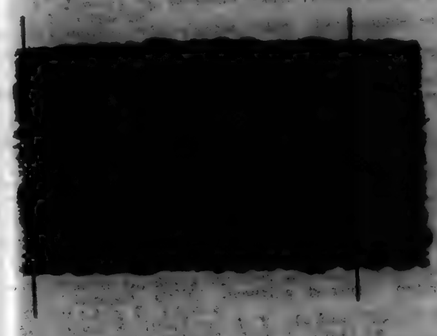
The ornamental design for a lace substantially as shown and described.

98,130
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application December 13, 1935, Serial No. 49,645
Term of patent 3½ years



The ornamental design for a lace substantially as shown and described.

98,131
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application December 13, 1935, Serial No. 49,646
Term of patent 3½ years



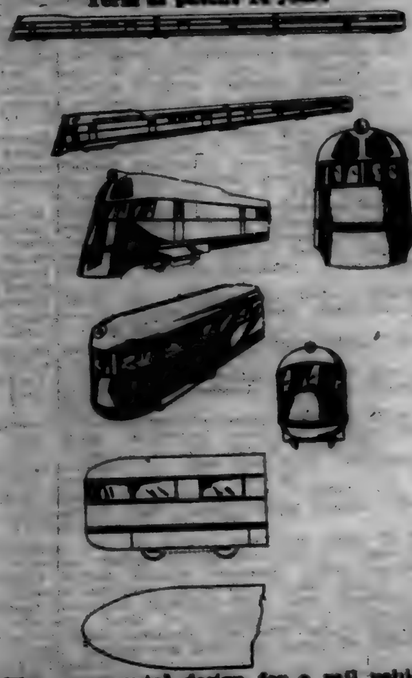
The ornamental design for a lace substantially as shown and described.

98,132
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application December 14, 1935, Serial No. 49,671
Term of patent 3½ years

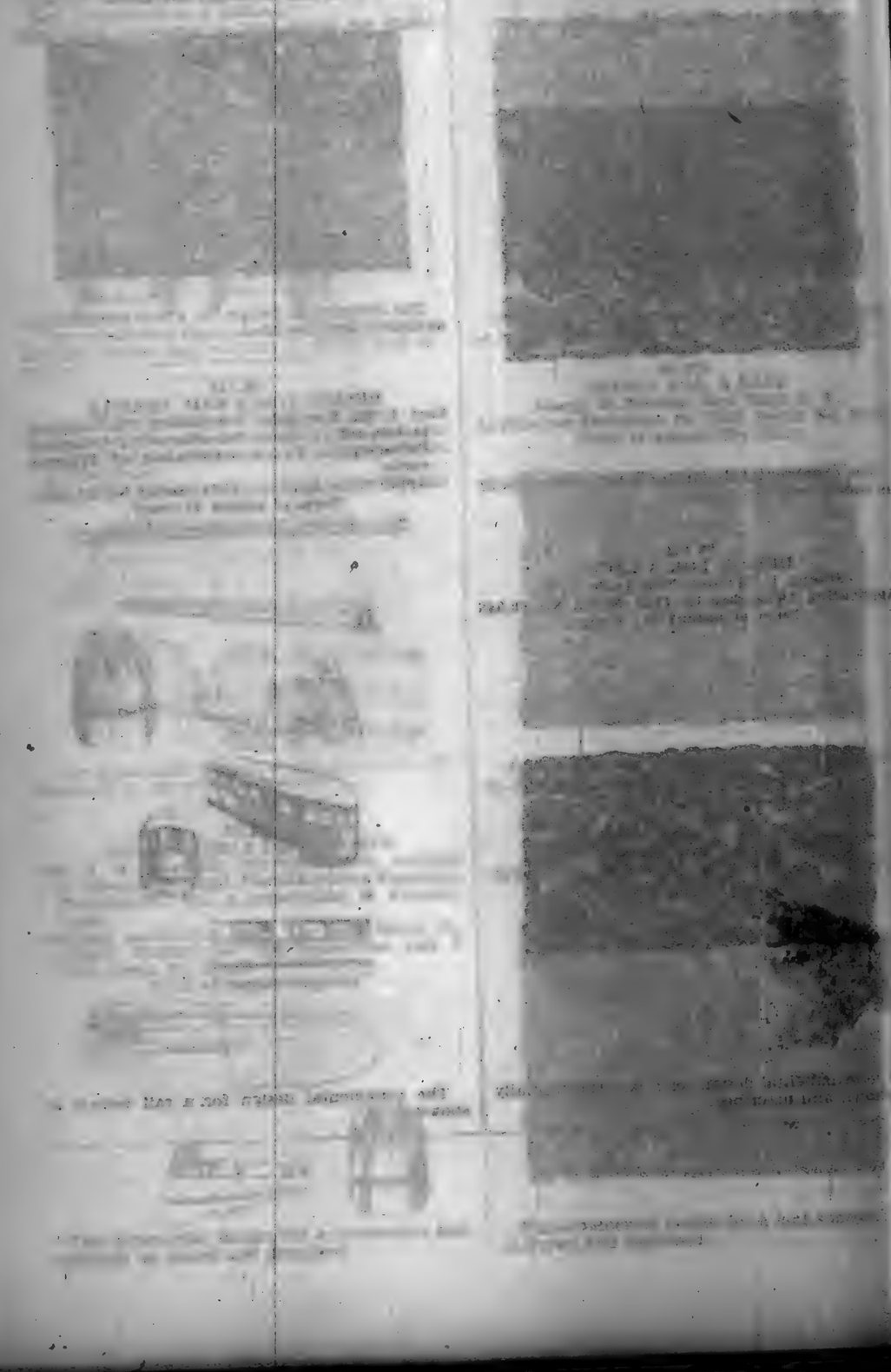


The ornamental design for a lace substantially as shown and described.

98,133
DESIGN FOR A RAIL VEHICLE
Earl J. W. Ragsdale, Norristown, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 23, 1934, Serial No. 51,486
Term of patent 14 years



The ornamental design for a rail vehicle as shown.



LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aberle, H. C., Co., Philadelphia, Pa. Hosiery. Serial No. 370,836; Jan. 7. Class 39.

Alcuro Company, Schenectady, N. Y. Tabulant. Serial No. 371,251; Jan. 7. Class 6.

American Asiatic Products, Inc., New York, N. Y. Dyestuffs for acetate silks and other artificial silks. Serial No. 370,748; Jan. 7. Class 6.

American Institute of Public Opinion, Princeton, N. J. Newspaper editorial features. Serial No. 370,697; Jan. 7. Class 38.

American Silk Spinning Co., Providence, R. I. Silk yarns. Serial No. 370,767; Jan. 7. Class 40.

American Woolen Company, New York, N. Y. Blankets. Serial No. 371,407; Jan. 7. Class 42.

Animal Foods Company, doing business as Delight Dog Food Co., San Jose, Calif. Canned foods for dogs, cats, etc. Serial No. 371,065; Jan. 7. Class 46.

Armand Company, The, Des Moines, Iowa. Face powder. Serial No. 371,409; Jan. 7. Class 6.

Armand Company, The, Des Moines, Iowa. Face powder. Serial No. 371,411; Jan. 7. Class 6.

Auto City Brewing Co., Hamtramck, Mich. Beer. Serial No. 372,155; Jan. 7. Class 45.

Autoclench Company, Inc., New York, N. Y. Stapling machines. Serial No. 371,136; Jan. 7. Class 28.

Bates, Hamilton C., doing business as C. J. Bates & Son, Chester, Conn. Manicure articles. Serial No. 371,068; Jan. 7. Class 44.

Battle Creek Drugs, Inc., Battle Creek, Mich. Tonics and tonic laxatives. Serial No. 370,897; Jan. 7. Class 6.

Bayer Company, Inc., The, New York, N. Y. Product for improving the general nutrition. Serial No. 370,860; Jan. 7. Class 6.

Bealm, Charles, doing business as Laberitte Company, Portland, Oreg. Ointment, ointment, and washing compound. Serial No. 370,629; Jan. 7. Class 4.

Beldam Packing & Rubber Co., Limited, The, London, England. Engine and machine packings and jointings. Serial No. 370,211; Jan. 7. Class 35.

Bellman Brook Bleachery Co., Fairview, N. J. Goods in the piece. Serial No. 370,750; Jan. 7. Class 42.

Bereman, James H., doing business as The Bellman Company, Aurora, Ill. Preparation having germicidal and astringent properties. Serial No. 370,589; Jan. 7. Class 6.

Blauvelt, Rudd, Brunswick, Ga. Antiseptic, analgesic, etc., salve, ointment, and liquid solutions. Serial No. 371,724; Jan. 7. Class 6.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. Serial No. 370,792; Jan. 7. Class 42.

Böhme Fettchemie-Gesellschaft mit beschränkter Haftung, Chemnitz, Germany. Chemical dye aids. Serial Nos. 371,049–50; Jan. 7. Class 6.

Bojar, Leo, doing business as Bojar Company, Providence, R. I. Jewelry for personal wear. Serial No. 371,725; Jan. 7. Class 22.

Bowdil Company, The, Canton, Ohio. Replaceable cutting tools. Serial No. 371,082; Jan. 7. Class 23.

Brill, H. C., Company, Inc., Newark, N. J. Food preparation. Serial No. 371,521; Jan. 7. Class 46.

Bustard, James C. D., Rusholme, England. Medicine for internal human use. Serial No. 370,895; Jan. 7. Class 6.

California and Hawaiian Sugar Refining Corporation, Limited, San Francisco, Calif. Raw and refined sugars. Serial No. 371,134; Jan. 7. Class 46.

Carbone, A., & Company, Inc., Denver, Colo. Wines. Serial No. 370,838; Jan. 7. Class 47.

Carthage Mills Incorporated, Cincinnati, Ohio. Felt-base floor covering. Serial No. 372,044; Jan. 7. Class 19.

Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Petroleum jelly. Serial Nos. 371,251–3; Jan. 7. Class 6.

Clark, Francis G., doing business as Clark Products Company, Lompoc, Calif. Scouring powder. Serial No. 370,738; Jan. 7. Class 6.

Cohen, David S., Brooklyn, N. Y. Ladies' shoes and slippers. Serial No. 370,447; Jan. 7. Class 39.

Comfort Manufacturing Company, doing business as Craig-Martin, Chicago, Ill. Soaps and shaving creams. Serial No. 371,729; Jan. 7. Class 4.

Coopers, Inc., Kenosha, Wis. Shirts and shorts. Serial No. 370,990; Jan. 7. Class 39.

Cooperstein, Israel, doing business as General Glass & Lumber Company, Cleveland, Ohio. Mirrors. Serial No. 371,677; Jan. 7. Class 32.

Coupey, Eric, New York, N. Y. Natural and synthetic essential oils. Serial No. 370,961; Jan. 7. Class 6.

Craig-Martin. (See Comfort Manufacturing Company.)

Crescent Pharmacal Company. (See Wright, Claude O.)

Cunha Bros. Co. (See Farm Products Sales Co., Inc., assignor.)

D'Accardo, Joseph, doing business as Hi-Jump Fruit Company, Modesto, Calif. Fresh grapes. Serial No. 370,443; Jan. 7. Class 46.

Delight Dog Food Co. (See Animal Foods Company.)

Diaet and Delifoss, Chicago, Ill. Chemically treated soaps. Serial Nos. 369,220–1; Jan. 7. Class 4.

Eastman Kodak Company, Rochester, N. Y. Photographic materials and photographic finishing and darkroom apparatus. Serial No. 371,624; Jan. 7. Class 26.

Eastman Kodak Company, Rochester, N. Y. Camera attachments for microscopes. Serial No. 371,625; Jan. 7. Class 28.

Elgin American Company, Elgin, Ill. Vanity cases, rouge boxes, compact boxes, etc. Serial No. 372,006; Jan. 7. Class 2.

Elkhart Lake Canning Company, Elkhart Lake, Wis. Canned peas. Serial No. 371,422; Jan. 7. Class 46.

Erwin Cotton Mills Co., The, West Durham, N. C. Sheetings. Serial No. 370,829; Jan. 7. Class 42.

Esquire, Inc., Chicago, Ill. Publication and for a column in a newspaper. Serial No. 368,448; Jan. 7. Class 38.

Ewing-Von Allmen Dairy Company, Louisville, Ky. Evaporated milk. Serial No. 354,984; Jan. 7. Class 46.

Farm Products Sales Co., Inc., assignor to Cunha Bros. Co., Hayward, Calif. Fresh vegetables, fresh citrus fruits, fresh deciduous fruits. Serial No. 352,899; Jan. 7. Class 46.

Farmer, Chas. D., doing business as Kleenaire Kemfkills, Detroit, Mich. Deodorants having a volatile base. Serial No. 371,592; Jan. 7. Class 6.

Federated Metals Corporation, New York, N. Y. Non-ferrous metals, metal alloys, and metal products. Serial No. 371,093; Jan. 7. Class 14.

Ferguson, Stanley W., Inc., doing business as Tom-Kin Tea Co., Boston, Mass. Orange pekoe and pekoe tea. Serial No. 371,145; Jan. 7. Class 46.

Firestone Tire & Rubber Company, The, Akron, Ohio. Tire-repair gum materials in sheet form. Serial No. 371,261; Jan. 7. Class 35.

Flagg, Stanley G., & Co., Inc., Philadelphia, Pa. Ground joint flange unions. Serial No. 371,206; Jan. 7. Class 13.

Forsberg Manufacturing Co., The, Bridgeport, Conn. Saw blades. Serial No. 371,800; Jan. 7. Class 23.

Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. Serial No. 372,009; Jan. 7. Class 49.

Franklin Mineral Products Company, Franklin, N. C. Micaceous powders for use as paint pigments, etc. Serial No. 370,704; Jan. 7. Class 6.

Freeman Shoe Corporation, Beloit, Wis. Boots and shoes. Serial No. 364,605; Jan. 7. Class 39.

Furman-Weiland Associates, Inc., New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. Serial No. 371,208; Jan. 7. Class 6.

Gelatin Products Company. (See Scherer, Robert P.)

General Dental Goods Co., doing business as General Dental Goods, Inc., Worcester, Mass. Preparation for use as a mouth wash. Serial No. 368,084; Jan. 7. Class 6.

General Glass & Lumber Company. (See Cooperstein, Israel.)

General Mills, Inc., Minneapolis, Minn. Milled grain products and preparations thereof. Serial No. 371,083; Jan. 7. Class 46.

General Mills, Inc., Minneapolis, Minn. Flour. Serial No. 371,481; Jan. 7. Class 46.

Gilbert & Barker Manufacturing Company, West Springfield, Mass. Air compressors. Serial No. 371,668; Jan. 7. Class 22.

Gilbert & Barker Manufacturing Company, West Springfield, Mass. Electrical device for testing lubricating oils. Serial No. 371,680; Jan. 7. Class 26.

Gimbel Brothers, Inc., New York, N. Y. Whiskey. Serial Nos. 371,532–4; Jan. 7. Class 49.

Globe Roofing Products Co. Inc., Chicago, Ill. Asphalt composition roofing and building papers. Serial No. 371,028; Jan. 7. Class 12.

Graham, John H., & Co., Inc., New York, N. Y. Tool benches. Serial No. 369,737; Jan. 7. Class 23.

Grand Rapids Plaster Company, Grand Rapids, Mich. Plaster and lime. Serial No. 371,247; Jan. 7. Class 12.

Great American Knitting Mills, Inc., Bechtelsville, Pa. Hosiery. Serial No. 369,403; Jan. 7. Class 39.

Greiner, Emil, Company, The, New York, N. Y. Tubes and tubing, bottles, and jars, etc. Serial No. 369,485; Jan. 7. Class 33.

Greif, Robert L., Reidsville, N. C. Salve. Serial No. 371,311; Jan. 7. Class 6.

Hahn & Solomon Inc., New York, N. Y. Clothing. Serial No. 362,419; Jan. 7. Class 39.

Hamilton, Brown Shoe Company, St. Louis, Mo. Men's shoes. Serial No. 365,081; Jan. 7. Class 39.

Haram, Sevrin A., New York, N. Y. Canned anchovies and herring. Serial No. 370,706; Jan. 7. Class 46.

Hat Corporation of America, Norwalk, Conn. Hats for men. Serial No. 371,155; Jan. 7. Class 39.

Herb Juice-Penol Company, Danville, Va. Laxative tonic. Serial No. 365,827; Jan. 7. Class 6.

Hi-Jump Fruit Company. (See D'Accardo, Joseph.)

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Hoberg Paper & Fibre Company, Green Bay, Wis. Toilet paper, paper towels, and paper napkins. Serial No. 367,480; Jan. 7. Class 37.

Holland-Hemsel Co. Inc., New York, N. Y. Petticoats, pajamas, kimonos, etc. Serial No. 370,382; Jan. 7. Class 39.

Holo-Krome Screw Corporation, The, Bristol, Conn. Wrenches. Serial No. 371,092; Jan. 7. Class 23.

Igleheart Brothers, Incorporated, Evansville, Ind. Wheat flour. Serial No. 371,390; Jan. 7. Class 46.

Imperial Brass Manufacturing Co., The, Chicago, Ill. Valves, soap dispensers, tanks and fittings, etc. Serial No. 369,406; Jan. 7. Class 13.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 371,100; Jan. 7. Class 39.

Io-Dow Chemical Company, Inc., Long Beach, Calif. Iodine, potassium iodide, and other iodine containing compounds. Serial No. 371,069; Jan. 7. Class 6.

Isle of Kapri Packing Co. (See Matarasso, Victor.)

Jayne, Dr. D., & Son, Inc., Philadelphia, Pa. Medicinal preparation. Serial No. 370,003; Jan. 7. Class 6.

Jewel Paint and Varnish Co., Chicago, Ill. Ready mixed paints, paint enamels, and varnishes. Serial No. 369,949; Jan. 7. Class 16.

Johns, Alfred E., Wheeling, W. Va. Compound for treatment of constipation, acidosis, etc. Serial No. 371,216; Jan. 7. Class 6.

Johnson, S. C., & Son, assignor to S. C. Johnson & Son, Inc., Racine, Wis. Wax for coating and polishing wood, metal, and other surfaces. Serial No. 365,329; Jan. 7. Class 16.

Johnson's, Iver, Arms & Cycle Works, Fitchburg, Mass. Rifles, shotguns, pistols, etc. Serial No. 367,191; Jan. 7. Class 9.

Jorgenson, Milton G., doing business as Jorgenson & Company, Los Angeles, Calif. Insecticides and fungicides. Serial No. 371,103; Jan. 7. Class 6.

Juvenile Manufacturing Company, Inc., The, San Antonio, Tex. Infants' dresses and boys' suits. Serial No. 367,392; Jan. 7. Class 39.

Kable, Francis C., doing business as Ru-Mari Laboratories, New York, N. Y. Medicinal preparation. Serial No. 371,347; Jan. 7. Class 6.

Kaat Leak Gate Valve Co., Cleveland, Ohio. Metal valves and parts thereof. Serial No. 371,105; Jan. 7. Class 13.

Kelco Company, San Diego, Calif. Alginate product to be used as a colloid. Serial No. 371,894; Jan. 7. Class 6.

Kiecsmire Kemfills. (See Farmer, Chas. D.)

Klein, L., Inc., Chicago, Ill. Brandy. Serial No. 372,106; Jan. 7. Class 49.

Klein, Phil, New York, N. Y. All kinds of fur skins. Serial No. 370,511; Jan. 7. Class 1.

Kooperativa Förbundet Förening u. p. a., Stockholm, Sweden. Thermal insulating material. Serial No. 369,440; Jan. 7. Class 12.

Krause, Charles A., Milling Co., Milwaukee, Wis. Artificial snow. Serial No. 371,062; Jan. 7. Class 50.

Krementz & Co., Newark, N. J. Cuff buttons and links, shirt studs, etc. Serial No. 371,435; Jan. 7. Class 28.

Kridler, Bernie C., doing business as Seal-All Clip Company, Flint, Mich. Shingle clips. Serial No. 362,583; Jan. 7. Class 12.

Laboratorio Company. (See Beahm, Charles.)

Lancaster Newspapers, Inc., Lancaster, Pa. Newspaper. Serial No. 370,958; Jan. 7. Class 38.

Leewood Fabrics, Inc., New York, N. Y. Pile fabrics. Serial No. 371,068; Jan. 7. Class 42.

Lentheric, Incorporated, New York, N. Y. Perfumes. Serial No. 371,696; Jan. 7. Class 6.

Liberty Mills, San Antonio, Tex. Wheat flour. Serial No. 370,261; Jan. 7. Class 46.

Louthan, Glen A., Mattoon, Ill. Pecan pies. Serial No. 370,620; Jan. 7. Class 46.

Mangel Stores Corporation, New York, N. Y. Dresses. Serial No. 371,230; Jan. 7. Class 39.

Martell & Co., Cognac, France. Brandy. Serial No. 371,600; Jan. 7. Class 49.

Martocello, Joseph A., doing business as Jos. A. Martocello, & Co., Philadelphia, Pa. Ice cube tongs. Serial No. 366,042; Jan. 7. Class 23.

Matarasso, Victor, doing business as Isle of Kapri Packing Co., New York, N. Y. Prepared olives. Serial No. 370,919; Jan. 7. Class 46.

McCallum-Legas Fish Company, Inc., Seattle, Wash. Fresh frozen fish. Serial No. 371,926; Jan. 7. Class 46.

Mergraf Oil Refineries, Inc., Detroit, Mich. Lubricating oils and greases. Serial Nos. 370,057-8; Jan. 7. Class 15.

Meutsbert, F. G., Co., Inc., New York, N. Y. Lining and sweat bands for hats. Serial No. 371,467; Jan. 7. Class 39.

Mountain Lake Corporation, Lake Wales, Fla. Fresh citrus fruits. Serial No. 371,704; Jan. 7. Class 46.

Murray-Ohio Manufacturing Co., The, Cleveland, Ohio. Children's vehicles. Serial No. 359,724; Jan. 7. Class 20.

Neill, James, & Co. (Sheffield) Limited, Sheffield, England. Hack-saw blades, shear blades, chisels, etc. Serial No. 367,886; Jan. 7. Class 23.

New York Wire Cloth Company, New York, N. Y. Wire screen cloth. Serial No. 366,831; Jan. 7. Class 13.

New York Wire Cloth Company, New York, N. Y. Wire screen cloth. Serial Nos. 370,102-3; Jan. 7. Class 13.

New York Wire Cloth Company, New York, N. Y. Wire screen cloth. Serial No. 371,456; Jan. 7. Class 13.

Norton Company, Worcester, Mass. Abrasive grain used for graining lithographic plates. Serial No. 364,396; Jan. 7. Class 4.

O'Connor & Goldberg, Chicago, Ill. Women's gloves. Serial Nos. 371,178-9; Jan. 7. Class 23.

O'Donnell Shoe Company, St. Paul, Minn. Shoes. Serial No. 363,589; Jan. 7. Class 39.

Olands Brewery Limited, Saint John, New Brunswick, Canada. Beer, stout, and ales. Serial No. 367,584; Jan. 7. Class 49.

Olive Tablet Company, The, Columbus, Ohio. Olive colored tablets for use as a laxative. Serial No. 370,236; Jan. 7. Class 6.

Owens-Illinois Glass Company, Toledo, Ohio. Bottles, decanter sets, and liquor sets. Serial No. 359,380; Jan. 7. Class 32.

Owens-Illinois Glass Company, Toledo, Ohio. Insulation used as a construction material. Serial No. 371,472; Jan. 7. Class 12.

Pate Oil Company, Milwaukee, Wis. Gasoline, lubricating oils, and greases. Serial No. 370,199; Jan. 7. Class 15.

Patterson-Sargent Company, The, Cleveland, Ohio. Dry and ready mixed paints, paint enamels, stains, etc. Serial No. 372,112; Jan. 7. Class 16.

Pevely Dairy Company, St. Louis, Mo. Dairy products. Serial No. 367,865; Jan. 7. Class 46.

Peyser, Henry M., Company, New York, N. Y. Gloves. Serial No. 370,209; Jan. 7. Class 39.

Picot Laboratories, Inc., Wilmington, Del. Preparation in powdered form for use in making a nutritious beverage. Serial No. 367,169; Jan. 7. Class 46.

Plum, P. & S., Ltd., Copenhagen, Denmark. Swiss cheese. Serial No. 370,536; Jan. 7. Class 46.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Woolen and silk piece goods. Serial No. 371,368; Jan. 7. Class 42.

Prince de Chany, Inc. (See Vitasy-Chany, Inc.)

Public Ledger, Inc., Philadelphia, Pa. Newspaper syndicated feature column. Serial No. 370,671; Jan. 7. Class 38.

Public Ledger, Inc., Philadelphia, Pa. Newspaper syndicated feature column. Serial No. 370,673; Jan. 7. Class 38.

Pyrene Manufacturing Company, Newark, N. J. Portable hand fire extinguishing apparatus. Serial No. 371,077; Jan. 7. Class 23.

Quality Glove Corporation, New York, N. Y. Gloves of fabric. Serial No. 369,418; Jan. 7. Class 39.

Rhoden, Parry L., doing business as Rhoden Packing Company, Chatham, N. J. Stuffing box packing. Serial No. 371,703; Jan. 7. Class 35.

Rockwood & Co., Brooklyn, N. Y. Chocolates. Serial No. 370,984; Jan. 7. Class 46.

Rodale Mfg. Co. Inc., Emaus, Pa. Magazine. Serial No. 366,899; Jan. 7. Class 38.

Roseman Bros., Inc., Philadelphia, Pa. Children's dresses, rompers, and playsuits. Serial No. 371,451; Jan. 7. Class 39.

Roseth Corporation, Brooklyn, N. Y. Tar paper for wrapping and storage purposes. Serial No. 366,820; Jan. 7. Class 37.

Ru-Mari Laboratories. (See Kable, Francis C.)

Saserne Company, Incorporated, New Orleans, La. Whiskey. Serial No. 372,085; Jan. 7. Class 49.

Scherer, Robert P., doing business as Gelatin Products Company, Detroit, Mich. Carbon disulphide in capsule form. Serial No. 370,537; Jan. 7. Class 6.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, bloomers, etc. Serial No. 371,161; Jan. 7. Class 39.

Schrieber, Otto R., doing business as Otto Wagon Schrieber Co., Hanover, N. H. Wax for use on skis, shoes, and the like. Serial No. 371,446; Jan. 7. Class 4.

Scovill Manufacturing Company, Waterbury, Conn. Garment buttons. Serial No. 367,340; Jan. 7. Class 40.

Scovill Manufacturing Company, Waterbury, Conn. Garment buttons. Serial No. 367,342; Jan. 7. Class 40.

Seal-All Clip Company. (See Kridler, Bernie C.)

Sears, Roebuck and Co., Chicago, Ill. Automatic kerosene and gas refrigerators. Serial No. 370,788; Jan. 7. Class 31.

Sears, Roebuck and Co., Chicago, Ill. Hair nets. Serial No. 370,895; Jan. 7. Class 39.

Sherwin-Williams Co., The, Cleveland, Ohio. Silicate, purified clay, china clay, etc. Serial No. 368,832; Jan. 7. Class 1.

Sicora Brothers, Brooklyn, N. Y. Whipped butter. Serial No. 371,041; Jan. 7. Class 46.

Spencer Lens Company, Buffalo, N. Y. X-ray film projectors. Serial No. 367,830; Jan. 7. Class 20.

Standard Brands Incorporated, New York, N. Y. Baking powder. Serial No. 365,865; Jan. 7. Class 46.

Stillman Company, The. (See Bowman, James M.)

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Substance & Products, Inc., San Francisco, Calif. Cosmetics—namely, shampoo and salve. Serial No. 367,043; Jan. 7. Class 6.

Sun Oil Company, Philadelphia, Pa. Lubricating oils and lubricating greases. Serial No. 366,963; Jan. 7. Class 15.

Theon Company, Inc., The, New York, N. Y. Nail polish, nourishing cream, and massage cream. Serial No. 371,744; Jan. 7. Class 6.

Thrush, H. A., & Company, Peru, Ind. Water circulators. Serial No. 371,701; Jan. 7. Class 23.

Tom-Kin Tea Co. (See Ferguson, Stanley W., Inc.)

Ultimite Paving Brick Corporation of America, New York, N. Y. Paving blocks. Serial No. 370,235; Jan. 7. Class 12.

Underwood, William, Company, Watertown, Mass. Canned food products and canned fish, shellfish, and shellfish products. Serial No. 366,442; Jan. 7. Class 46.

Upson-Walton Company, The, Cleveland, Ohio. Tackle blocks. Serial No. 365,623; Jan. 7. Class 27.

Vimay-Chany, Inc., doing business as Prince de Chany, Inc., Culver City, Calif. Perfumes. Serial No. 371,189; Jan. 7. Class 6.

Wager, Robert H., New York, N. Y. Inverted vent check valves. Serial No. 371,395; Jan. 7. Class 13.

Walker's of Boston, Inc., Boston, Mass. Gin, whiskey, and brandy. Serial No. 372,069; Jan. 7. Class 49.

Warner Quinlan Company, New York, N. Y. Lubricating oil and lubricating oil compound. Serial No. 371,867; Jan. 7. Class 15.

Webster, William A., Co., The, Memphis, Tenn. Dental cream, after shaving lotion, shampoo, etc. Serial No. 371,193; Jan. 7. Class 6.

Western Auto Supply Agency of Los Angeles, Los Angeles, Calif. Radiator liquid solder. Serial No. 362,564; Jan. 7. Class 6.

White Metal Manufacturing Company, Hoboken, N. J. Metal collapsible tubes. Serial No. 371,798; Jan. 7. Class 2.

Winter Haven Fruit Sales Corporation, Winter Haven, Fla. Fresh citrus fruits. Serial No. 365,049; Jan. 7. Class 46.

Winthrop Chemical Company, Inc., New York, N. Y. Vitamin D preparation. Serial No. 370,910; Jan. 7. Class 6.

Wohl Shoe Company, St. Louis, Mo. Shoes. Serial No. 353,494; Jan. 7. Class 39.

Wright, Claude O., doing business as Crescent Pharmacal Company, Macon, Mo. Liquid antiseptic. Serial No. 358,464; Jan. 7. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme-Evans Company, Indianapolis, Ind. Foods. 106,931; renewed Nov. 9, 1935.

Acme White Lead & Color Works, Detroit, Mich. Paint enamel. 231,465; Jan. 7. Partial No. 333,313; published Oct. 29, 1935. Class 16.

American Fur Dyeing Company, North Bergen, N. J. Dyed skins. 331,444; Jan. 7; Serial No. 340,627; published Oct. 29, 1935. Class 1.

American Hosiery Company, New Britain, Conn. Knitted and woven goods. 231,406; Jan. 7; Serial No. 365,016; published Oct. 29, 1935. Class 42.

American Smelting and Refining Company, New York, N. Y. Copper. 231,476; Jan. 7; Serial No. 366,574; published Oct. 29, 1935. Class 14.

Anderson, Victor H., doing business as Anderson Arch and Health Rebuilder Co., East Orange, N. J. Massage devices. 331,440; Jan. 7; Serial No. 355,722; published Oct. 29, 1935. Class 44.

Arkansas Soft Pine Bureau, Little Rock, Ark. Rough lumber, common lumber dressed on one side only, and dressed lumber. 110,196; renewed May 9, 1936.

Armstrong, D., & Company, Inc., Rochester, N. Y. Shoes. 331,400; Jan. 7; Serial No. 366,214; published Oct. 29, 1935. Class 39.

Atkins, E. C., and Company, Indianapolis, Ind. Saws and saw-fitting tools. 106,785; renewed Feb. 22, 1936.

Augusta Canning Company. (See Baxter, H. C., & Bro.)

Bamberger, L., & Company, Newark, N. J. Men's wearing apparel, namely, pajamas, bath robes, lunch robes, etc. 331,396; Jan. 7; Serial No. 367,753; published Oct. 29, 1935. Class 39.

Barber Asphalt Company, The, Philadelphia, Pa. Bituminous paving mixture and for aggregates, fillers, etc. 331,356; Jan. 7; Serial No. 348,613; published Oct. 22, 1935. Class 12.

Bauer, W. A., Co., Norristown, Pa. Canned fruits and vegetables, coffee, etc. 331,412; Jan. 7; Serial No. 365,975; published Oct. 25, 1935. Class 46.

Bauman-Massa Jewelry Company, St. Louis, Mo. Jewelry. 331,422; Jan. 7; Serial No. 366,503; published Sept. 24, 1935. Class 28.

Baxter, H. C., & Bro., doing business as H. C. Baxter Bros. Co., Baxter Bros. Co., Sacopee Canning Company, Augusta Canning Company, and Maine Canned Foods, Inc., Brunswick, Maine. Canned fresh horticultural beans. 331,459; Jan. 7; Serial No. 362,905; published Oct. 29, 1935. Class 46.

Beatrice Creamery Company, assignor to Beatrice Creamery Company, Chicago, Ill. Butter. 110,118; renewed May 2, 1936.

Beck, A. S., Shoe Corporation, New York, N. Y. Women's shoes and sandals. 331,368; Jan. 7; Serial No. 367,704; published Oct. 22, 1935. Class 39.

Beldam Packing & Rubber Co., Limited, The, London, England. Engine and machinery packings. 331,449; Jan. 7; Serial No. 366,449; published Oct. 29, 1935. Class 35.

Benz, George, Sons, Inc., St. Paul, Minn. Whiskey. 331,293; Jan. 7; Serial No. 360,822; published Oct. 29, 1935. Class 49.

Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Woven textile rugs and carpets. 331,496; Jan. 7. Class 42.

Binney & Smith Co., New York, N. Y. Adhesive latex paste. 331,398; Jan. 7; Serial No. 366,978; published Oct. 29, 1935. Class 2.

Blackstone Manufacturing Company, Chicago, Ill. Speedometer replacement parts. 331,402; Jan. 7. Class 28.

Blackstone Manufacturing Company, Chicago, Ill. Gaskets. 331,492; Jan. 7. Class 35.

Boericke & Tafel, Inc., Philadelphia, Pa. Medicinal tonic. 109,385; renewed Apr. 4, 1936.

Borden's Condensed Milk Company, Jersey City, N. J., and New York, N. Y., assignor to Borden's Farm Products Company, Inc., New York, N. Y. Milk, cream, and ice-cream. 107,310; renewed Nov. 22, 1935.

Broadway Candy Company. (See Rieselbach, Allen.)

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Billiard tables. 331,398; Jan. 7; Serial No. 360,324; published Oct. 29, 1935. Class 22.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Billiard tables. 331,479; Jan. 7; Serial No. 360,327; published Oct. 29, 1935. Class 22.

Brunswig Drug Co., Los Angeles, Calif. Whiskey. 331,341; Jan. 7; Serial No. 360,536; published Oct. 29, 1935. Class 49.

Buffalo Wire Works Co., Buffalo, N. Y. Construction materials. 109,199–200; renewed Mar. 28, 1936.

California Cotton Mills Company, Oakland, Calif. Cotton and wool batting. 107,901; renewed Jan. 4, 1936.

Carlisle Shoe Company, Carlisle, Pa., and New York, N. Y. Ladies' shoes. 331,336; Jan. 7; Serial No. 359,441; published Oct. 22, 1935. Class 39.

Chicago Screw Company, The, Chicago, Ill. Screws. 331,384; Jan. 7; Serial No. 368,540; published Oct. 29, 1935. Class 18.

Chrysler Corporation, Highland Park, Mich. Air conditioning units and structural parts thereof. 331,400; Jan. 7; Serial No. 360,938; published Oct. 29, 1935. Class 34.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Shaving cream. 331,379–80; Jan. 7; Serial Nos. 366,128–9; published Oct. 29, 1935. Class 4.

Columbia Wax Works, Ozone Park, N. Y. Candles. 331,442; Jan. 7; Serial No. 355,384; published Oct. 22, 1935. Class 15.

Compania Ron Bacardi, S. A., Santiago, Cuba. Rum. 331,459–60; Jan. 7; Serial No. 359,538–9; published Oct. 29, 1935. Class 49.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 331,510; Jan. 7. Class 49.

Coty, Inc., Wilmington, Del. Face powder. 331,412; Jan. 7; Serial No. 368,371; published Oct. 22, 1935. Class 6.

Ca-Crema Company. (See Morton Manufacturing Corporation.)

Culbertson, John, & Sons, assignee to John Culbertson & Sons, Philadelphia, Pa. Bolts of woven fabric. 108,549; renewed Feb. 18, 1936.

Decatur Pump Company, Decatur, Ill. Electric water pumps. 331,464; Jan. 7; Serial No. 357,992; published Oct. 29, 1935. Class 23.

Deere, John, Plow Company of Omaha, Omaha, Nebr. Wagons, farm-trucks, and wagon running-gears. 108,507; renewed Feb. 18, 1936.

Denebeim's Wholesale Liquor Co., Kansas City, Mo. Whiskey. 331,504; Jan. 7. Class 49.

Dorr Company, Inc., The, New York, N. Y. Apparatus for the treatment of solids suspended in liquids. 331,471; Jan. 7; Serial No. 368,236; published Oct. 29, 1935. Class 23.

Duplate Corporation, Pittsburgh, Pa. Flat glass. 331,451–5; Jan. 7; Serial Nos. 362,459–63; published Oct. 29, 1935. Class 32.

Eastern Market Sausage Company, Inc., Detroit, Mich. Meats. 331,456–7; Jan. 7; Serial Nos. 362,165–9; published Oct. 29, 1935. Class 46.

Ebbert, Daniel F., Wheeling, W. Va. Ladies' hats, gloves, and dresses. 331,363; Jan. 7; Serial No. 367,989; published Oct. 22, 1935. Class 39.

Eisenstein, Oscar, Brooklyn, N. Y. Furniture and automobile polish. 331,425; Jan. 7; Serial No. 366,711; published Oct. 29, 1935. Class 16.

Embalmers' Supply Company, The, Westport, Conn. Embalming devices, and receptacles for same. 109,527; renewed Apr. 11, 1936.

Engel, A. & J., Inc., New York, N. Y. Fur skins. 331,476; Jan. 7; Serial No. 368,341; published Oct. 29, 1935. Class 1.

Ess and Jay Mfg. Co., New York, N. Y. Dresses. 331,506; Jan. 7. Class 39.

Faber, A. W., Inc., Newark, N. J. Rubber pencil caps or erasers. 331,484; Jan. 7; Serial No. 368,186; published Oct. 29, 1935. Class 37.

Finch, Joseph S., and Company, New York, N. Y. Whiskey, brandy, gin, etc. 331,392; Jan. 7; Serial No. 369,567; published Oct. 29, 1935. Class 49.

Fletcher, Edgar G., Cincinnati, Ohio. Prophylactic articles. 331,397; Jan. 7; Serial No. 367,648; published Oct. 29, 1935. Class 44.

Follmer, Clegg & Company, Inc., New York, N. Y.; Philadelphia and Lancaster, Pa.; and San Francisco, Calif. Display stands for goods. 331,508; Jan. 7. Class 22.

Fosse Chemical Co., The, Dayton, Ohio, assignor, by mesne assignments, to Zonite Products Corporation, New York, N. Y. Antiseptic, disinfectant, deodorizer, and bleach. 109,722; renewed Apr. 18, 1936.

Foot-Health Institute, The, Philadelphia, Pa., assignor to Dr. H. B. Norton Shoe Company. Corrective shoes. 331,445; Jan. 7; Serial No. 356,643; published June 5, 1934. Class 44.

Forest City Paint & Varnish Company, The, Cleveland, Ohio. Paints and varnishes. 109,458; renewed Apr. 11, 1936.

Foster Canning Co., Inc., The, doing business as Glendale Canning Co., Glendale, N. Y. Canned food for dogs, cats, and carnivorous animals. 331,427; Jan. 7; Serial No. 366,987; published Oct. 29, 1935. Class 46.

Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 331,343–4; Jan. 7; Serial Nos. 369,643–6; published Oct. 22, 1935. Class 49.

Frankfurth, Wm., Hardware Co., by change of name to Frankfurth Hdw. Co., Milwaukee, Wis. Fishing-tackle. 106,592; renewed Oct. 26, 1935.

French-Wolf Paint Products Corp., Philadelphia, Pa. Inside and outside paints. 331,360; Jan. 7; Serial No. 369,566; published Oct. 29, 1935. Class 16.

Fruit Industries, Ltd., Los Angeles, Calif., and New York, N. Y. Brandy. 331,406; Jan. 7; Serial No. 367,123; published Oct. 29, 1935. Class 49.

Fulton Specialty Company, Elizabeth, N. J. Stamp pads and rubber stamp ink. 331,443; Jan. 7; Serial No. 348,485; published Oct. 29, 1935. Class 11.

Fyrcut Company, Inc., New York, N. Y. Hand portable fire extinguishing apparatus. 331,339; Jan. 7; Serial No. 369,156; published Oct. 29, 1935. Class 23.

Galinsky, H. & A., Inc., New York, N. Y. Ladies' lingerie, gloves, bathing suits, etc. 331,375; Jan. 7; Serial No. 367,465; published Oct. 22, 1935. Class 39.

Galloway-West Co., assignor, by mesne assignments, to Galloway-West Company, Inc., Fond du Lac, Wis. Cheese and butter. 109,868; renewed Apr. 18, 1936.

General Mills, Inc. (See Washburn, Crosby & Co., assignee.)

George, Harry A., doing business as The Livingston Company, West Hartford, Conn. Shaving granules. 331,483; Jan. 7; Serial No. 369,157; published Oct. 29, 1935. Class 4.

Gerhart, R. L., Lancaster, Pa. Coffee. 107,061–2; renewed Nov. 6, 1935.

Gilbert, W. R., Company, Inc., Cordova, Territory of Alaska. Canned sea food. 331,361; Jan. 7; Serial No. 367,897; published Oct. 29, 1935. Class 46.

Glaso Company, The, Fort Wayne, Ind., assignor, by mesne assignments, to The Glaso Company, Inc., New York, N. Y. Nail enamel and beautifier. 108,294; renewed Feb. 3, 1936.

Glendale Canning Co. (See Foster Canning Co., Inc., The.)

Goldenbro Fabrics, Inc., New York, N. Y. Silk piece goods. 331,406; Jan. 7. Class 42.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Elastic vehicle tires. 109,358; renewed Mar. 28, 1936.

"Governor" Specialties Company, New York, N. Y. Fasteners or coupling devices for undergarments. 331,485; Jan. 7; Serial No. 368,613; published Oct. 22, 1935. Class 40.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Acid-proof brick. 331,438; Jan. 7; Serial No. 356,244; published May 14, 1935. Class 12.

Henkel-Clauss Company, The, Fremont, Ohio. Cuticle scissors, manicure implements, nail files, and tweezers. 331,421; Jan. 7; Serial No. 365,098; published Oct. 29, 1935. Class 44.

Hennepin Mill Co., Minneapolis, Minn., assignor to Hennepin Mill Company, Wilmington, Del. Wheat-flour. 109,000; renewed Mar. 14, 1936.

Hollingsworth & Whitney Company, Boston, Mass. Writing and wrapping paper. 109,535; renewed Apr. 11, 1936.

Hornstein-Newman, Inc., Galion, Ohio. Overcoats and top coats for men. 331,460; Jan. 7; Serial No. 364,918; published Sept. 24, 1935. Class 39.

Houghton, E. G., & Co., Philadelphia, Pa. Oil compound. 108,250; renewed Jan. 28, 1936.

Howdy Company, The, St. Louis, Mo. Maltose beverages, and syrups, extracts, and flavors for same. 331,343; Jan. 7; Serial No. 369,663; published Oct. 29, 1935. Class 46.

Hyman, Solomon L., doing business as National Wholesale Millinery Company and National Millinery Company, Baltimore, Md. Hats, bonnets, caps, etc. 331,423; Jan. 7; Serial No. 366,041; published Oct. 22, 1935. Class 39.

International Cellucotton Products Company, Chicago, Ill. Absorbent face cleansing sheets made of paper. 331,407; Jan. 7; Serial No. 369,325; published Oct. 29, 1935. Class 37.

International Corset Company, Aurora, Ill. Corsets and foundation garments. 331,351; Jan. 7; Serial No. 363,105; published Oct. 22, 1935. Class 39.

International Silver Company, Meriden, Conn. Silver-plated flatware. 331,396; Jan. 7; Serial No. 362,741; published Oct. 22, 1935. Class 28.

International Vitamin Corporation, New York, N. Y. Vitamin concentrate ingredient. 331,448; Jan. 7; Serial No. 364,230; published Oct. 22, 1935. Class 6.

Inter-State Grocer Co., The, Joplin, Mo. Foods. 107,341; renewed Nov. 23, 1935.

Italian Swiss Colony, San Francisco, Calif. Wines. 331,394; Jan. 7; Serial No. 369,139; published Oct. 29, 1935. Class 47.

Jergens, Andrew, Co., The, Cincinnati, Ohio. Toilet soaps. 108,210; renewed Jan. 18, 1936.

Jergens, Andrew, Co., The, Cincinnati, Ohio. Soap. 109,909; renewed Apr. 11, 1936.

K-C Lumber Company, The, assignee to Lane Products, Inc., Lacedale, Miss. Canned vegetables. 107,917–8; renewed Jan. 4, 1936.

K-G Welding and Cutting Company, Inc., New York, N. Y. Cutting-torches, welding-torches, expansion-tanks, etc. 109,672; renewed Apr. 11, 1936.

Kansas City Wholesale Grocery Company, Kansas City, Mo. Coffee. 109,461; renewed Apr. 11, 1936.

Kerk Guild, Inc., Utica, N. Y. Soap products. 331,497; Jan. 7; Serial No. 369,280; published Oct. 29, 1935. Class 4.

Keystone Varnish Company, Brooklyn, N. Y. Paste paint. 109,101; renewed Mar. 21, 1936.

Keystone Varnish Co., New York, to Keystone Varnish Company, Brooklyn, N. Y. Varnish. 109,539; renewed Apr. 11, 1936.

Keystone Varnish Co., New York, to Keystone Varnish Company, Brooklyn, N. Y. Primers and fillers. 109,540; renewed Apr. 11, 1936.

Keystone Varnish Co., New York, to Keystone Varnish Company, Brooklyn, N. Y. Paint. 109,674; renewed Apr. 11, 1936.

Knitwear Mfg. Co., Inc., Brooklyn, N. Y. Knitted fabric. 331,387; Jan. 7; Serial No. 368,488; published Oct. 22, 1935. Class 42.

Lattarulo, Elena D., New York, N. Y. Restorative and tonic. 331,468; Jan. 7; Serial No. 362,831; published Oct. 22, 1935. Class 6.

Lauche, I. F., Inc., Seattle, Wash. Plywood, and structural of moulding with sections of plywood, composition board and tiles. 331,350; Jan. 7; Serial No. 367,699; published Oct. 22, 1935. Class 12.

Lederer, Irving E., Providence, R. I. Soldering flux. 107,555; renewed Nov. 23, 1935.

Leef Bros., Inc., Minneapolis, Minn. Adhesive paste. 331,429; Jan. 7; Serial No. 367,974; published Oct. 29, 1935. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. 331,417–18; Jan. 7; Serial Nos. 365,949–50; published Oct. 22, 1935. Class 6.

Lewis Knitting Company, Janesville, Wis. Underwear. 331,508; Jan. 7. Class 39.

Lima Cord Sole and Heel Company, The, Lima, Ohio. Soles for shoes. 331,362; Jan. 7; Serial No. 367,972; published Oct. 22, 1935. Class 39.

Livingston Company, The. (See George, Harry A.)

Lace Products, Inc. (See K-C Lumber Company, The, assignee.)

Lyons-Magnus, Inc., doing business as The R. G. Lyons & Rose Co., San Francisco, Calif. Distilled dry gin. 331,401; Jan. 7; Serial No. 369,332; published Oct. 29, 1935. Class 49.

M. & N. Cigar Manufacturers, Inc. (See Mendelsohn Co., Inc., The, assignee.)

M. & N. Cigar Manufacturers, Inc. (See Newman, Julius C., assignee.)

Mabley & Carew, Co., The, Cincinnati, Ohio. Hosiery. 331,505; Jan. 7. Class 39.

Mackie Chimney Fuel Company, Passenger, Kans., and Kansas City, Mo. Coal. 331,340; Jan. 7; Serial No. 369,164; published Oct. 29, 1935. Class 1.

Maine Canned Foods, Inc. (See Baxter, H. C., & Bro.)

Majestic Wine & Spirits, Inc., Camden, N. J. Wines. 331,480; Jan. 7; Serial No. 360,281; published Oct. 29, 1935. Class 47.

Mallinson, H. R., & Co., assignee, by mesne assignments, to H. R. Mallinson & Company, Inc., New York, N. Y. Silk piece goods. 106,857–8; renewed Apr. 14, 1936.

Margolin, H., & Company, Inc., New York, N. Y., and Fitchburg, Mass. Handbags and purses. 331,474; Jan. 7; Serial No. 368,856; published Oct. 29, 1935. Class 3.

Mendelsohn Co., Inc., The, assignee to M. & N. Cigar Manufacturers, Inc., Cleveland, Ohio. Cigars. 107,881; renewed Dec. 28, 1935.

Merck & Co., New York, N. Y., assignee to Merck & Co., Inc., Rahway, N. J. Pharmaceutical preparations. 108,565; renewed Feb. 18, 1936.

Metropolitan Wire Goods Corporation, New York, N. Y. Wire egg beaters, wire potato mashers, and wire letter grates. 331,439; Jan. 7; Serial No. 365,411; published Oct. 29, 1935. Class 22.

Meyer, Charles, Chicago, Ill. Articles of jewelry. 331,469; Jan. 7; Serial No. 369,908; published Oct. 29, 1935. Class 28.

Militant Dolls Inc., Brooklyn, N. Y. Dolls. 331,346–7; Jan. 7; Serial Nos. 369,705–6; published Oct. 29, 1935. Class 22.

Monarch Manufacturing Company, Atlanta, Ga. Maltose beverages, and syrups and extracts for same. 331,348; Jan. 7; Serial No. 369,710; published Oct. 29, 1935. Class 46.

Montgomery Ward & Co., Inc., New York, N. Y.; Chicago, Ill.; Brooklyn, N. Y.; Fort Worth, Tex.; Kansas City, Mo.; and Portland, Oreg., assignee to Montgomery Ward & Co., Incorporated, Chicago, Ill. Games, toys, and sporting goods. 106,867; renewed Nov. 9, 1935.

Montgomery Ward & Co., Inc., New York, N. Y.; Chicago, Ill.; Brooklyn, N. Y.; Fort Worth, Tex.; Kansas City, Mo.; and Portland, Oreg., assignee to Montgomery Ward & Co., Incorporated, Chicago, Ill. Clothing. 106,877; renewed Feb. 18, 1936.

Morton Manufacturing Corporation, doing business as Cocrema Company, Lynchburg, Va. Toilet preparations. 331,378; Jan. 7; Serial No. 366,144; published Oct. 22, 1935. Class 6.

Mound City Paint & Color Company, St. Louis, Mo. Paint enamel. 331,432; Jan. 7; Serial No. 347,117; published Oct. 29, 1935. Class 16.

Mound City Paint & Color Company, St. Louis, Mo. Varnish finishing finish. 331,431; Jan. 7; Serial No. 367,133; published Oct. 29, 1935. Class 16.

Municipal Shoe Co., Inc., Brooklyn, N. Y. Footwear. 331,374; Jan. 7; Serial No. 367,442; published Oct. 22, 1935. Class 39.

Muralo Company, Inc., The, New Brighton, N. Y. Dry powder to be mixed with water, and used as a wall paint or decorative wall coating. 331,491; Jan. 7. Class 16.

Nash Motors Company, The, Kenosha, Wis. Automobiles. 331,472; Jan. 7; Serial No. 368,994; published Oct. 29, 1935. Class 19.

National Machinery Co., Tiffin, Ohio. Bolt and nut and rivet forging machines and wire-nail machinery. 110,182; renewed May 9, 1936.

National Millinery Company. (See Hyman, Solomon L.)

National Shoe Stores, Inc., New York, N. Y. Shoes. 331,413; Jan. 7; Serial No. 366,378; published Oct. 22, 1935. Class 39.

National Wholesale Millinery Company. (See Hyman, Solomon L.)

Newman, Julius C., assignee to M. & N. Cigar Manufacturers, Inc., Cleveland, Ohio. Cigars. 107,497; renewed Dec. 7, 1935.

Newton Manufacturing Company. (See Woods, Clifton F.)

North American Aviation, Inc., Dundalk, Md. Airplanes. 331,434; Jan. 7; Serial No. 365,646; published Oct. 29, 1935. Class 19.

Norton Door Check Co., Chicago, Ill., assignee to The Yale & Towne Manufacturing Company, New York, N. Y. Door-checks and door-springs. 109,947; renewed Apr. 25, 1936.

Norton, Dr. H. B., Shoe Company. (See Foot-Health Institute, The, assignee.)

Onondaga Silk Company, Inc., New York, N. Y. Silk piece goods. 331,410; Jan. 7; Serial No. 362,543; published Oct. 22, 1935. Class 42.

Oppenheim, Collins & Company, New York, N. Y., to Oppenheim, Collins & Co., Inc., Wilmington, Del.; New York, Brooklyn, and Buffalo, N. Y.; and Philadelphia, Pa., successors. Gloves. 109,887; renewed Apr. 4, 1936.

Ortega, R. C., Company, Inc., Los Angeles, Calif. Canned green chile sauce. 331,470; Jan. 7; Serial No. 362,644; published Oct. 29, 1935. Class 46.

Ortega, R. C., Company, Inc., doing business as Pioneer Chile Packing Co., Los Angeles, Calif. Canned pimientos and chile peppers. 331,467; Jan. 7; Serial No. 366,945; published Oct. 29, 1935. Class 46.

Ostrucon Distilled Products Co., Inc., New York, N. Y. Gin. 331,389; Jan. 7; Serial No. 369,342; published Oct. 29, 1935. Class 49.

Ostrucon Distilled Products Co., Inc., New York, N. Y. Whiskey. 331,390–1; Jan. 7; Serial Nos. 369,619–20; published Oct. 29, 1935. Class 49.

Parke, Davis & Company, Detroit, Mich. Preparation for the treatment of vitamin deficiency in animals. 331,359; Jan. 7; Serial No. 366,575; published Oct. 22, 1935. Class 6.

Pantasote Paper Company, Ypsilanti, Mich. Cover papers and book papers. 331,411; Jan. 7; Serial No. 366,151; published Oct. 29, 1935. Class 37.

Pepsodent Company, The, assignee to The Pepsodent Co., Chicago, Ill. Dentifrices. 110,079; renewed May 2, 1936.

Pioneer Chile Packing Co. (See Ortega, R. C., Company, Inc.)

Pittaro, Vito A., New York, N. Y. Laxative. 109,687; renewed Apr. 11, 1936.

Polk Miller Products Corporation, Richmond, Va. Soap. 331,350–2; Jan. 7; Serial Nos. 368,626–8; published Oct. 29, 1935. Class 4.

Polk Miller Products Corporation, Richmond, Va. Soap. 331,353; Jan. 7; Serial No. 368,630; published Oct. 29, 1935. Class 4.

Polk Miller Products Corporation, Richmond, Va. Flea powder. 331,354; Jan. 7; Serial No. 368,631; published Oct. 22, 1935. Class 6.

Polk Miller Products Corporation, Richmond, Va. Flea powder. 331,357; Jan. 7; Serial No. 368,704; published Oct. 22, 1935. Class 6.

Postum Cereal Co., Limited, Battle Creek, Mich., assignor, by mesne assignments, to Postum Company, Inc., New York, N. Y. Food-beverage compounds. 107,527; renewed Dec. 7, 1935.

Primrose Foundations, Inc., New York, N. Y. Foundation garments. 331,415; Jan. 7; Serial No. 365,816; published Oct. 22, 1935. Class 39.

Pulp Products Company, Inc., New York, N. Y. Moulded pulp products. 331,472; Jan. 7; Serial No. 368,900; published Oct. 29, 1935. Class 2.

Quigan, Frank J., Inc., Maspeth, N. Y. Pocket book frames and pocket books. 331,338; Jan. 7; Serial No. 368,578; published Oct. 29, 1935. Class 3.

Quimby, Edmund B., Tampa, Fla. House brooms. 331,372; Jan. 7. Serial No. 367,519; published Oct. 29, 1935. Class 29.

Quinn, Thomas E., Flushing, N. Y. Bread, and fish food. 331,416; Jan. 7; Serial No. 366,817; published Oct. 29, 1935. Class 46.

Ramirez, José, & Co. Limited, London, England. Wines. 331,365; Jan. 7; Serial No. 368,455; published Oct. 29, 1935. Class 47.

Rapid Electrotype Co., The, Cincinnati, Ohio. Paperboard boxes or containers. 331,349; Jan. 7; Serial No. 369,714; published Oct. 29, 1935. Class 2.

Reis, Robert, & Co., New York, N. Y. Underwear. 109,545; renewed Apr. 11, 1936.

Reynolds, Harry M., doing business as Reynolds Sales Company, Columbus, Ohio. Lubricants containing graphite with oil, water, or other vehicle. 331,397; Jan. 7; Serial No. 369,063; published Oct. 22, 1935. Class 15.

Rice's Fashion Corner Inc., Norfolk, Va. Fur coats, fur wraps fur neckpieces, etc. 331,370; Jan. 7; Serial No. 367,543; published Oct. 22, 1935. Class 39.

Riesselbach, Allen, doing business as Broadway Candy Company, Milwaukee, Wis. Candy bars. 331,477; Jan. 7; Serial No. 368,817; published Oct. 29, 1935. Class 46.

Rimes, Percy, Brooklyn, N. Y. Toy pistols. 331,414; Jan. 7; Serial No. 365,786; published Oct. 29, 1935. Class 22.

Rising & Nelson Slate Co., to Rising & Nelson Slate Company, West Pawlet, Vt. Slate and roofing-slate. 106,966; renewed Nov. 2, 1935.

Rochester, J. C., & Co., Inc., New York, N. Y. Incinerators and parts thereof. 331,452; Jan. 7; Serial No. 367,209; published Oct. 29, 1935. Class 34.

Rotospeed Co., The, Dayton, Ohio. Stencil printing machines. 331,481; Jan. 7; Serial No. 369,245; published Oct. 29, 1935. Class 28.

Rowse, Frank J., Pawtucket, R. I. Face cloths or towels and handkerchiefs. 109,328; renewed Mar. 28, 1936.

Royster, F. S., Guano Co., Norfolk, Va. Fertilizers. 110,183; renewed May 9, 1936.

Rubsam & Horrmann Brewing Co., Stapleton, Staten Island, N. Y. Beer, ale, and porter. 331,490; Jan. 7.

Schacht Rubber Mfg. Co., Huntington, Ind. Sink, bath, and basin stoppers, plugs, etc. 109,783; renewed Apr. 18, 1936.

Schulmann, Louis, Co., Inc., New York, N. Y. Gummed paper in rolls or packages. 331,458; Jan. 7; Serial No. 358,382; published Oct. 29, 1935. Class 37.

Seagram, Joseph E., & Sons, Inc., Lawrenceburg, Ind. Whiskey. 331,441; Jan. 7; Serial No. 355,586; published Oct. 29, 1935. Class 49.

Shirriff's Limited, Toronto, Ontario, Canada. Prepared desserts. 331,498; Jan. 7. Class 46.

Simon, Franklin, & Co. Inc., New York, N. Y. Shoes. 331,369; Jan. 7; Serial No. 367,581; published Oct. 22, 1935. Class 39.

Sinsheimer Bro. & Co., assignor to Abraham Welnis, Chicago, Ill. Children's and infants' shoes. 109,687; renewed Apr. 11, 1936.

Smith, T. J., & Nephew, Limited, Hull, England. Medicated plasters and medicated bandages. 331,499; Jan. 7; Serial No. 368,191; published Oct. 22, 1935. Class 6.

Smith-Thornburg Company, Phoenix, Ariz. Fresh vegetables and melons. 331,396; Jan. 7; Serial No. 369,095; published Oct. 29, 1935. Class 46.

Smith, V. E., doing business as V. E. Smith Citrus Co., Lindsay, Calif. Canned olives. 331,406; Jan. 7; Serial No. 368,969; published Oct. 29, 1935. Class 46.

Snow'flake Canning Company. (See Baxter, H. C., & Bro.)

Sociedad Anonima Manufactera de Tabacos Piccardo y Compañia Limitada, Buenos Aires, Argentine. Cigars and cigarettes. 107,020; renewed Nov. 9, 1935.

Societe Anonyme Publicite Franco Americaine, Paris, France. Disinfectants and pharmaceutical preparations for the treatment of glands. 331,376-7; Jan. 7; Serial Nos. 362,845-6; published Oct. 22, 1935. Class 6.

Solfo Paint & Chemical Co., Trenton, N. J. Ready-mixed paints. 331,399; Jan. 7. Class 16.

Southern Biscuit Company, Incorporated, Richmond, Va. Cakes and crackers. 331,342; Jan. 7; Serial No. 369,682; published Oct. 29, 1935. Class 46.

Square D Company, Detroit, Mich. Electric equipment. 331,375; Jan. 7; Serial No. 362,834; published Oct. 29, 1935. Class 21.

Stafford-Loydon Company, Fort Worth, Tex. Bank checks and negotiable instruments. 331,422; Jan. 7; Serial No. 366,380; published Oct. 29, 1935. Class 37.

Staley, A. E. Manufacturing Company, Decatur, Ill. Starch products for industrial purposes. 331,461; Jan. 7; Serial No. 359,274; published Oct. 22, 1935. Class 6.

Staley, A. E., Manufacturing Company, Decatur, Ill. Inedible starch products. 331,462-3; Jan. 7; Serial Nos. 359,271-2; published Oct. 22, 1935. Class 6.

Standard Brands Incorporated, New York, N. Y. Gelatin. 331,432; Jan. 7; Serial No. 367,266; published Oct. 29, 1935. Class 46.

Standard Brewing Company, Inc., Rochester, N. Y. Ale and beer. 331,402; Jan. 7; Serial No. 369,422; published Oct. 29, 1935. Class 48.

Standard Oil Company, Richmond, Calif., assignor to Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Liquid petrolatum. 108,575; renewed Feb. 18, 1936.

Standard Oil Company of New Jersey, Wilmington, Del. Hydrocarbon gases. 331,486; Jan. 7; Serial No. 368,587; published Oct. 22, 1935. Class 6.

Stemmons, Clarence H., doing business as C. H. Stemmons Mfg. Co., Kansas City, Mo. Sock liners for aching feet. 331,424; Jan. 7; Serial No. 366,565; published Oct. 29, 1935. Class 44.

Sterling Brewers, Inc., Evansville, Ind. Malt products. 331,405; Jan. 7; Serial No. 368,196; published Oct. 29, 1935. Class 48.

Sterling Import & Export Corp., New York, N. Y. Prepared, canned lobsters and crabs, preserved fruits and vegetables. 331,507; Jan. 7. Class 46.

Stonelite Corporation, Cleveland, Ohio. Tile, stone, brick, etc. 331,446; Jan. 7; Serial No. 330,715; published Nov. 22, 1932. Class 12.

Strathmore Packing House Co., Strathmore, Calif. Citrus fruits. 166,293; renewed Mar. 28, 1950.

Strohmeyer & Arpe Company, New York, N. Y. Canned and preserved fish. 107,025; renewed Nov. 9, 1935.

Strong Hewat & Co., Inc., New York, N. Y. Woolen piece goods. 331,447; Jan. 7; Serial No. 364,983; published July 16, 1935. Class 42.

Supreme Distributors, Inc., Phoenix, Ariz. Gin and whiskey. 331,398; Jan. 7; Serial No. 369,502; published Oct. 29, 1935. Class 49.

Sutcliffe, W. J., Co., East Rutherford, N. J. Paints and varnishes. 331,494; Jan. 7. Class 16.

Sylvania Industrial Corporation, New York, N. Y. Nonfibrous cellulosic products. 331,408; Jan. 7, Serial No. 368,274; published Oct. 29, 1935. Class 1.

Taussig Creeping Sun, Kansas City, Mo. Woody-mixed paint. 331,429; Jan. 7; Serial No. 365,490; published Oct. 29, 1935. Class 16.

Thomas Company, Inc., Kansas City, Mo. Mastic-mixed paint. 331,497; Jan. 7. Class 16.

Tree-Gold Cooperative Growers of Florida, Orlando, Fla. Fresh citrus fruits. 331,455; Jan. 7; Serial No. 368,638; published Oct. 29, 1935. Class 46.

Trinez, Joseph, Corporation, Chicago, Ill. Whistles. 331,500; Jan. 7; Serial No. 369,965; published Oct. 29, 1935. Class 49.

Tryon, Inc., Danbury, Conn. Shaving cream having properties as a facial cream. 331,426; Jan. 7; Serial No. 366,899; published Oct. 29, 1935. Class 4.

Union Salt Company, The, Cleveland, Ohio. Salt. 260,486; renewed Apr. 4, 1950.

U. S. Hame Company, Buffalo, N. Y. Hames. 331,473; Jan. 7; Serial No. 368,825; published Oct. 29, 1935. Class 3.

Ussem Shirt Company, New York, N. Y. Shirts. 331,433; Jan. 7; Serial No. 366,043; published Oct. 29, 1935. Class 39.

Vintage Wines, Inc., New York, N. Y. Wines. 331,371; Jan. 7; Serial No. 367,530; published Oct. 29, 1935. Class 47.

W-E-B Ribbon Corporation, New York, N. Y. Ribbons and piece goods. 331,437; Jan. 7; Serial No. 356,293; published Oct. 22, 1935. Class 41.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Toilet soaps. 331,403; Jan. 7; Serial No. 369,435; published Oct. 29, 1935. Class 4.

Washburn, Crosby & Co., Minneapolis, Minn., assignee, by mesne assignments, to General Mills, Inc., Wilmington, Del. Flour. 13,553; re-registered Apr. 27, 1936.

Welano, Abraham. (See Sinsheimer Bros. & Co., assignee.)

Welch Grape Juice Company, The, Westfield, N. Y. Grape juice. 109,970; renewed Apr. 25, 1936.

Wholesale Distributors, Inc., Kansas City, Mo. Coffee. 331,405; Jan. 7; Serial No. 368,966; published Oct. 29, 1935. Class 46.

Wilkes, Harry A., New York, N. Y. [illegible] underwear. 109,327; renewed Apr. 14, 1936.

Williams Articulator Company, Chicago, Ill. Dry batteries. 107,033; renewed Nov. 9, 1935.

Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Air conditioning systems and heating, cooling, dehumidifying and humidifying units for air conditioning systems and parts thereof. 331,365; Jan. 7; Serial No. 367,513; published Oct. 24, 1935. Class 34.

Willson, T. A., & Co., Inc., by change of name to Willson Products, Inc., Reading, Pa. Ophthalmic mountings and parts thereof. 108,119; renewed Jan. 18, 1936.

Winston, Morton, doing business as Morton Products, Bronx, N. Y. Floor and automobile wax. 331,362; Jan. 7; Serial No. 366,091; published Oct. 15, 1935. Class 16.

Wollstein, Richmond, Rome, Ga. Hosiery. 331,500-1; Jan. 7. Class 39.

Woods, Clifton F., doing business as Mantel Manufacturing Company, Roxbury, Mass. Oil burner wicks. 331,509; Jan. 7. Class 34.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. 331,502; Jan. 7. Class 23.

Yale & Towne Manufacturing Company, The. (See Norton Door Check Co., assignee.)

Yoonker Brothers, Inc., Des Moines, Iowa. Dyestuff coats, shoes, etc. 331,467; Jan. 7; Serial No. 368,212; published Oct. 22, 1935. Class 39.

Zonite Products Corporation. (See Peroxo Chemical Co., The, assignee.)

Zorro Tobacco Co., Inc., The, New York, N. Y. Smoking tobacco. 109,490; renewed Apr. 11, 1936.

LIST OF REGISTRANTS OF LABELS

Agash Refining Corporation, Brooklyn, N. Y. "Italian Cook" an American Brand. For Salad Oil Which Is a Product Highly Refined from Oil Produced only from Various Types of Vegetable Seed and Does Not Contain Olive Oil. 46,940; Jan. 7.

Albers Bros. Milling Co., Portland, Oreg.; San Francisco, Oakland, Los Angeles, etc., Calif.; and Seattle, Wash. Peacock. For Buckwheat and Wheat Flour. 46,941; Jan. 7.

Augenblick, M., & Bro., Inc., Newark, N. J. Verdant Valley Butter. For Butter. 46,942; Jan. 7.

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Honey Nougat. For Honey Nougats. 46,943; Jan. 7.

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Anise Drops. For Anise Drops. 46,944; Jan. 7.

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Lime Drops. For Lime Drops. 46,945; Jan. 7.

Berkshire & Becket Silk Co. (See Collingbourne Mills, Inc.)

Bise Byrd Specialty Co., Dallas, Fort Worth, and Houston, Tex. Our Favorite. For Salad Dressing. 46,946; Jan. 7.

Borden's Farm Products Company, Inc., New York, N. Y. Borden's Fernecrest Brand Finest Quality Guaranteed White Eggs. For Eggs. 46,947; Jan. 7.

Burgess Battery Company, Freeport, Ill. Burgess Twin Six Lantern. For Electric Lanterns. 46,948; Jan. 7.

Collingbourne Mills, Inc., doing business as Dexter, Collingbourne, Virginia Snow Studios, Jaquith Co. and Berkshire & Becket Silk Co., Elgin, Ill. Collingbourne's Heather Tweed-Sports Apparel Wool Art. 46,949. Co-Color, Style, Quality. For Apparel Wool, for Aids Making of Wearing Apparel. 46,949; Jan. 7.

Collingbourne Mills, Inc., doing business as Collingbourne's Dexter, Virginia Snow Studios, Jaquith Co. and Berkshire & Becket Silk Co., Elgin, Ill. Collingbourne's Super Value Mercerized Cordelia, Art. 260, Size 50, 400 Yds. For Mercerized Cordelia. 46,950; Jan. 7.

Dairymen's League Co-Operative Association, Inc., Utica and New York, N. Y. Dairyman Spray Process Dried Skim Milk. For Skim Milk. 46,951; Jan. 7.

Dexter. (See Collingbourne Mills, Inc.)

Enterprise Galvanizing Company, Philadelphia, Pa. Enterprise Galvanizing Company, Philadelphia, Pa. For Galvanizing. 46,952; Jan. 7.

Ingalls Co. (See Collingbourne Mills, Inc.)

Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Floor Varnish. For Floor Varnish. 46,953; Jan. 7.

Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Formo Prime. For First Coater Paint. 46,954; Jan. 7.

Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's 76 Varnish. For Varnish. 46,955; Jan. 7.

Lopez, José, New York, N. Y. José Lopez. For Cigars. 46,956; Jan. 7.

Los Angeles Brewing Co., Los Angeles, Calif. Top Row. For Whiskey. 46,957; Jan. 7.

Mother's Home Made Bread, Inc., New Orleans, La. Mothers Home Made Bread. For Bread. 46,958; Jan. 7.

Mueller Electric Company, Cleveland, Ohio. Universal Battery Clips. For Battery Clips. 46,959; Jan. 7.

Murphy Ranch, Whittier, Calif. Our Star. For Fresh Oranges. 46,960; Jan. 7.

Murphy Ranch, Whittier, Calif. Sublime. For Fresh Lemons. 46,961; Jan. 7.

Neumann, Morton G., doing business as Velmor Products Company, Chicago, Ill. Pine Tar Shampoo. For Pine Tar Shampoo. 46,962; Jan. 7.

Neumann, Morton G., doing business as Velmor Products Company, Chicago, Ill. Foot Powder. For Foot Powder. 46,963; Jan. 7.

Neumann, Morton G., doing business as Velmor Products Company, Chicago, Ill. Madam Jones Vegetable Compound. For a Vegetable Compound. 46,964; Jan. 7.

Neumann, Morton G., doing business as Velmor Products Company, Chicago, Ill. Velmor Headache Tablets. For Headache Tablets. 46,965; Jan. 7.

Ole's Chili Products, Chicago, Ill. Ole's. For Chili Con Carne. 46,966; Jan. 7.

Pacific Guano Company, San Francisco, Calif. Gaviota, The All Season Fertilizer. For a Fertilizer. 46,967; Jan. 7.

Pollock Paper & Box Company, Dallas, Tex. Mills-Tweet. For Bread. 46,968; Jan. 7.

Schaldach, Inc., Omaha, Nebr. On-A-Door, On-A-Chair, In-The-House, Everywhere. For Basket Ball Paraphernalia. 46,969; Jan. 7.

Siegfried Loewenthal Company, Cleveland, Ohio. Deanbrook. For Blended Whiskey. 46,970; Jan. 7.

Southern Brewing Company, Houston, Tex. 2-X. For Champagne Type Beer. 46,971; Jan. 7.

Standard Coffee Company, Incorporated, New Orleans, La. Standard Fresh Bourbon Blend Pure Coffee. For Coffee. 46,972; Jan. 7.

Velmor Products Company. (See Neumann, Morton G.)

Virginia Snow Studios. (See Collingbourne Mills, Inc.)

Wetteran, G. H., & Sons Grocer Co., St. Louis, Mo. Cardinal Brand Coffee. For Coffee. 46,973; Jan. 7.

LIST OF REGISTRANTS OF PRINTS

Boyle Furniture Co., Inc., Ogden, Utah. Where Your Dollars are Big Dollars. For Radios. 15,545; Jan. 7.

Eaton Paper Corporation, Pittsfield, Mass. Eaton's Highland Linen Writing Papers. For Writing Papers. 15,546; Jan. 7.

Industrial Heating Equipment Company, Detroit, Mich. Circ-air. For Tempering Furnaces. 15,547; Jan. 7.

Kimble Glass Company, Vineland, N. J. Direct-Reading Freezemeter. For Hydrometers. 15,548; Jan. 7.

Majestic Wine & Liquor Corporation, New York, N. Y. Red Top Private Stock Whiskey. For Whiskey. 15,549-50; Jan. 7.

Markwell Manufacturing Company, Inc., New York, N. Y. The Ideal Gift . . . . Markwell Fastener. For Fasteners. 15,551; Jan. 7.

Melo-Chrome Company. (See Paul, George S.)

Nutrena Mills, Inc., Kansas City, Mo. Nutrena. The Egg-Producing Feed for Poultry. For Poultry Feed. 15,552; Jan. 7.

Paul, George S., doing business as Melo-Chrome Company, Salina, Kans. A True Story of My Own Experience. For a Hair Tonic and Scalp Treatment Preparation. 15,553; Jan. 7.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Cellulose products, Non-fibrous. Sylvania Industrial Corporation. 331,408; Jan. 7; Serial No. 368,274; published Oct. 29, 1935.

Coal. Mastic Clemens Fuel Company. 331,340; Jan. 7; Serial No. 369,164; published Oct. 29, 1935.

Cotton and wool batting. California Cotton Mills Company. 107,901; renewed Jan. 4, 1936.

Skins, Dyed. American Fur Dyeing Company. 331,444; Jan. 7; Serial No. 340,027; published Oct. 29, 1935.

Skins, Fur. A. & J. Enzel, Inc. 331,476; Jan. 7; Serial No. 366,241; published Oct. 29, 1935.

CLASS 2

Boxes or containers, Paperboard. Rapid Electrotype Co. 331,349; Jan. 7; Serial No. 369,714; published Oct. 29, 1935.

Pulp products, Moulded. Pulp Products Company. 331,472; Jan. 7; Serial No. 368,900; published Oct. 29, 1935.

CLASS 3

Hames. U. S. Hame Company. 331,473; Jan. 7; Serial No. 368,825; published Oct. 29, 1935.

Handbags and purses. H. Marpolin & Company. 331,474; Jan. 7; Serial No. 368,856; published Oct. 29, 1935.

Pocket book frames and pocket books. Frank J. Quigan, Inc. 331,338; Jan. 7; Serial No. 368,578; published Oct. 29, 1935.

CLASS 4

Shaving cream. Colgate-Palmolive-Peet Company. 331,379-80; Jan. 7; Serial No. 368,128-9; published Oct. 29, 1935.

Shaving cream having properties as a facial cream. Tryon, Inc. 331,426; Jan. 7; Serial No. 366,899; published Oct. 29, 1935.

Shaving preparations. H. A. Sharpe. 331,389; Jan. 7; Serial No. 366,197; published Oct. 29, 1935.

Soap. Andrew Jergens Co. 109,009; renewed Apr. 11, 1936.

Soap. Folk Miller Products Corporation. 331,390-3; Jan. 7; Serial Nos. 369,630-3; published Oct. 29, 1935.

Soap. Folk Miller Products Corporation. 331,393; Jan. 7; Serial No. 369,630; published Oct. 29, 1935.

Soap products. Hart Guild, Inc. 331,483; Jan. 7; Serial No. 369,220; published Oct. 29, 1935.

Soaps, Toilet. Andrew Jergens Co. 108,210; renewed Jan. 18, 1936.

Soaps, Toilet. John Wanamaker, Philadelphia. 331,403; Jan. 7; Serial No. 369,435; published Oct. 29, 1935.

Adhesive latex paste. Blaney & Smith Co. 331,395; Jan. 7; Serial No. 369,078; published Oct. 29, 1935.

Adhesive paste. Leef Bros. Inc. 331,429; Jan. 7; Serial No. 367,074; published Oct. 29, 1935.

CLASS 6

Antiseptic, disinfectant, deodorizer, and bleach. Foose Chemical Co. 109,722; renewed Apr. 18, 1936.

Dentifrices. Pepsodent Company. 110,079; renewed May 2, 1936.

Disinfectants and pharmaceutical preparations for the treatment of glands. Societe Anonyme Publicite Franco Americaine. 331,376-7; Jan. 7; Serial Nos. 362,845-6; published Oct. 22, 1935.

Gases, Hydrocarbon. Standard Oil Company of New Jersey. 331,486; Jan. 7; Serial No. 368,587; published Oct. 22, 1935.

Laxative. V. A. Pittaro. 109,687; renewed Apr. 11, 1936.

Nail enamel and beautifier. Glaco Company. 108,894; renewed Feb. 6, 1936.

Perfumes and cosmetic creams. Lentheric, Incorporated. 331,417-18; Jan. 7; Serial Nos. 365,949-50; published Oct. 22, 1935.

Petrolatum, Liquid. Standard Oil Company. 108,575; renewed Feb. 18, 1936.

Pharmaceutical preparations. Merck & Co. 108,505; renewed Feb. 18, 1936.

Plasters and medicated bandages, Medicated. T. J. Smith & Nephew, Limited. 331,469; Jan. 7; Serial No. 368,191; published Oct. 22, 1935.

Powder, Face. Coty, Inc. 331,412; Jan. 7; Serial No. 368,571; published Oct. 22, 1935.

Powder, Flea. Folk Miller Products Corporation. 331,357; Serial Nos. 369,571-3; published Oct. 22, 1935.

Powder, Flea. Folk Miller Products Corporation. 331,357; Jan. 7; Serial No. 369,704; published Oct. 22, 1935.

Preparation for the treatment of vitamin deficiency in anemia. Parke, Davis & Company. 331,359; Jan. 7; Serial No. 368,575; published Oct. 22, 1935.

Restorative and tonic. B. D. Latiaville. 331,488; Jan. 7; Serial No. 362,831; published Oct. 22, 1935.

Soldering-flux. I. E. Lederer. 107,365; renewed Nov. 28, 1935.

Starch products for industrial purposes. A. E. Staley Manufacturing Company. 331,461; Jan. 7; Serial No. 359,274; published Oct. 22, 1935.

Starch products for industrial purposes, Inedible. A. E. Staley Manufacturing Company. 331,462-3; Jan. 7; Serial Nos. 359,271-2; published Oct. 22, 1935.

Toilet preparation. Morton Manufacturing Corporation. 331,378; Jan. 7; Serial No. 368,144; Published Oct. 22, 1935.
Tonic, Medicinal. Beerlite & Tribi, Inc. 100,885; renewed Apr. 4, 1936.
Vitamin concentrate ingredient. International Vitamin Corporation. 331,445; Jan. 7; Serial No. 364,280; published Oct. 22, 1935.

CLASS 10

Fertilizers. F. S. Royster Guano Co. 110,188; renewed May 9, 1936.

CLASS 11

Stamp pads and rubber stamp ink. Fulton Specialty Company. 331,443; Jan. 7; Serial No. 343,485; published Oct. 29, 1935.

CLASS 12

Brick, Acid-proof. Harbison-Walker Refractories Company. 331,438; Jan. 7; Serial No. 356,344; published May 14, 1935.
Construction materials. Buffalo Wire Works Co. 100,199–200; renewed Mar. 23, 1936.
Lumber, common lumber dressed on one side only, and dressed lumber. Arkansas Soft Pine Bureau. 110,196; renewed May 9, 1936.
Paving mixture and for aggregates, fillers, etc. Bituminous Barber Asphalt Company. 331,356; Jan. 7; Serial No. 358,653; published Oct. 22, 1935.
Plywood and structures of studding with sections of plywood, composition board, and the like. I. F. Laucks, Inc. 331,384; Jan. 7; Serial No. 367,660; published Oct. 22, 1935.
Slate and roofing-slate. Riding & Nelson Slate Co. 106,903; renewed Nov. 2, 1935.
Tile, stone, brick, etc. Stonelite Corporation. 331,446; Jan. 7; Serial No. 330,715; published Nov. 22, 1932.

CLASS 14

Copper. American Smelting and Refining Company. 331,475; Jan. 7; Serial No. 368,874; published Oct. 29, 1935.

CLASS 15

Candles. Columbia Wax Works. 331,442; Jan. 7; Serial No. 355,284; published Oct. 22, 1935.
Lubricants containing graphite with oil, water, or other vehicle. H. M. Reynolds. 331,397; Jan. 7; Serial No. 360,063; published Oct. 22, 1935.
Oil compound. H. F. Houghton & Co. 108,250; renewed Jan. 28, 1935.

CLASS 16

Paint. Keystone Varnish Co. 109,674; renewed Apr. 12, 1936.
Paint enamel. Acme White Lead & Color Works. 331,465; Jan. 7; Serial No. 368,213; published Oct. 29, 1935.
Paint enamel. Mound City Paint & Color Company. 331,430; Jan. 7; Serial No. 367,122; published Oct. 29, 1935.
Paint, Paste. Keystone Varnish Company. 109,101; renewed Mar. 21, 1936.
Paint, Ready-mixed. Tremco Company Inc. 331,435; Jan. 7; Serial No. 365,490; published Oct. 29, 1935.
Paint, Ready-mixed. Tremco Company Inc. 331,497; Jan. 7.
Paints. French-Wolf Paint Products Corp. 331,389; Jan. 7; Serial No. 368,566; published Oct. 29, 1935.
Paints and varnishes. Forest City Paint & Varnish Company. 109,453; renewed Apr. 11, 1936.
Paints and varnishes. W. J. Sutcliffe Co. 331,494; Jan. 7.
Paints, Ready-mixed. Solfo Paint & Chemical Co. 331,490; Jan. 7.
Polish, Furniture and automobile. O. Hiesenstein. 331,425; Jan. 7; Serial No. 366,711; published Oct. 29, 1935.
Powder to be mixed with water and used as a wall paint or decorative wall coating. Dry. Muralo Company. 331,491; Jan. 7.
Primers and fillers. Keystone Varnish Co. 109,560; renewed Apr. 11, 1936.
Varnish. Keystone Varnish Co. 109,559; renewed Apr. 11, 1936.
Varnish linoleum finish. Mound City Paint & Color Company. 331,431; Jan. 7; Serial No. 367,183; published Oct. 22, 1935.
Wax. Floor and automobile. M. Winston. 331,382; Jan. 7; Serial No. 368,091; published Oct. 15, 1935.

CLASS 17

Cigars. Mendelsohn Co. 107,351; renewed Dec. 28, 1935.
Cigars. J. C. Newman. 107,497; renewed Dec. 7, 1935.
Cigars and cigarettes. Sociedad Anonima Manufactura de Tabacos Piccardo Y Compañia Limitada. 107,020; renewed Nov. 9, 1935.
Tobacco, Smoking. Sarra Tobacco Co. 100,499; renewed Apr. 11, 1936.

CLASS 19

Airplanes. North American Aviation, Inc. 331,434; Jan. 7; Serial No. 365,646; published Oct. 29, 1935.
Automobiles. Nash Motors Company. 331,478; Jan. 7; Serial No. 368,894; published Oct. 29, 1935.
Wagons, farm-trucks, and wagon running-gears. John Deere Plow Company of Omaha. 108,507; renewed Feb. 18, 1936.

CLASS 21

Batteries, Dry. Williams Articulator Company. 107,888; renewed Nov. 9, 1935.
Electric equipment. Square D Company. 331,376; Jan. 7; Serial No. 368,894; published Oct. 29, 1935.

CLASS 22

Billiard balls, Pocket. Brunswick-Balke-Callender Company. 331,399; Jan. 7; Serial No. 369,836; published Oct. 29, 1935.
Billiard tables. Brunswick-Balke-Callender Company. 331,396; Jan. 7; Serial No. 369,834; published Oct. 29, 1935.
Billiard tables. Brunswick-Balke-Callender Company. 331,479; Jan. 7; Serial No. 369,837; published Oct. 29, 1935.
Doll. Militant Dolls Inc. 331,346–7; Jan. 7; Serial Nos. 369,708–9; published Oct. 29, 1935.
Fishing-tackle. Wm. Frankfurth Hardware Co. 106,891; renewed Oct. 29, 1935.
Games, toys, and sporting goods. Montgomery Ward & Co. 106,927; renewed Nov. 9, 1935.
Golf balls. Worthington Ball Company. 331,502; Jan. 7.
Toy pistols. P. Rimso. 331,414; Jan. 7; Serial No. 365,786; published Oct. 29, 1935.

CLASS 23

Apparatus for the treatment of solids suspended in liquids. Dorr Company. 331,471; Jan. 7; Serial No. 363,985; published Oct. 29, 1935.
Beaters, wire potato mashers and wire icing spatula. Wire egg. Metropolitan Wire Goods Corporation. 331,469; Jan. 7; Serial No. 355,811; published Oct. 29, 1935.
Bolt and nut and rivet forging machines and wire-nail machinery. National Machinery Co. 110,183; renewed May 9, 1936.
Fire extinguishing apparatus, Hand portable. Pyrene Company. 331,329; Jan. 7; Serial No. 349,126; published Oct. 22, 1935.
Pumps, Electric water. Deming Pump Company. 331,464; Jan. 7; Serial No. 347,863; published Oct. 29, 1935.
Saws and saw-fitting tools. H. C. Atkins and Company. 108,735; renewed Feb. 22, 1936.
Stencil printing machines. Rotospeed Co. 331,461; Jan. 7; Serial No. 360,245; published Oct. 29, 1935.

CLASS 25

Ophthalmic mountings and parts thereof. T. A. Wilson & Co. 106,119; renewed Jan. 15, 1936.
Speedometer replacement parts. Stewart-Warner Speedometer Corporation. 331,488; Jan. 7.

CLASS 26

Flatware, Silver-plated. International Silver Company. 331,358; Jan. 7; Serial No. 368,746; published Oct. 22, 1935.
Jewelry. Baumann-Mazza Jewelry Company. 331,433; Jan. 7; Serial No. 366,502; published Sept. 24, 1935.
Jewelry, Articles of. C. Mayer. 331,400; Jan. 7; Serial No. 366,302; published Oct. 29, 1935.

CLASS 29

Brooms, Horse. E. B. Quinby. 331,372; Jan. 7; Serial No. 367,519; published Oct. 29, 1935.

CLASS 32

Stands for goods, Display. Follmer, Clogg & Company. 331,508; Jan. 7.

CLASS 33

Glass, Flat. Duplate Corporation. 331,451-5; Jan. 7; Serial Nos. 367,459–63; published Oct. 29, 1935.

CLASS 34

Air conditioning systems and heating, cooling, dehumidifying, and humidifying units for air conditioning systems and parts thereof. Williams Oil-O-Matic Heating Corporation. 331,365; Jan. 7; Serial No. 367,513; published Oct. 29, 1935.
Air conditioning units and structural parts thereof. Chrysler Corporation. 331,490; Jan. 7; Serial No. 360,339; published Oct. 29, 1935.
Cutting-torches, welding-torches, expansion-tanks, etc. K-G Welding & Cutting Company. 100,672; renewed Apr. 11, 1936.
Incinerators and parts thereof. J. C. Rochester & Co. 331,432; Jan. 7; Serial No. 367,209; published Oct. 29, 1935.

Wicks, Oil burner. C. F. Woods. 331,500; Jan. 7.

CLASS 33

Gaskets. Blackstone Manufacturing Company. 331,466; Jan. 7.
Packings, Engine and machinery. Rubbon Packing & Rubber Co. 331,440; Jan. 7; Serial No. 363,448; published Oct. 29, 1935.
Tires, Elastic vehicle. Goodyear Tire & Rubber Company. 109,206; renewed Mar. 23, 1936.

CLASS 37

Absorbent face cleansing sheets made of paper. International Cellucotton Products Company. 331,407; Jan. 7; Serial No. 368,226; published Oct. 29, 1935.
Checks and negotiable instruments, Bank. Stafford London Company. 331,422; Jan. 7; Serial No. 366,560; published Oct. 29, 1935.
Paper in rolls or packages, Gummed. Louis Schulmann Co. 331,458; Jan. 7; Serial No. 359,962; published Oct. 29, 1935.
Paper, Writing and wrapping. Hollingsworth & Whitney Company. 109,535; renewed Apr. 11, 1936.
Papers and book papers, Cover. Preliminary Paper Company. 331,411; Jan. 7; Serial No. 363,551; published Oct. 29, 1935.
Pencil caps or crayon, Rubber. A. W. Faber, Inc. 331,484; Jan. 7; Serial No. 369,186; published Oct. 29, 1935.

CLASS 39

Clothing. Montgomery Ward & Co. 106,527; renewed Feb. 18, 1936.
Coats, fur wraps, fur neckpieces, etc., Fur. Rice's Fashion Corner Inc. 331,370; Jan. 7; Serial No. 367,543; published Oct. 22, 1935.
Corsets and foundation garments. International Corset Company. 331,381; Jan. 7; Serial No. 366,105; published Oct. 29, 1935.
Dresses. Max and Jay Mfg. Co. 331,500; Jan. 7.
Dresses, coats, shoes, etc. Younker Brothers, Inc. 331,467; Jan. 7; Serial No. 368,212; published Oct. 29, 1935.
Footwear. Municipal Shoe Co. 331,374; Jan. 7; Serial No. 367,442; published Oct. 22, 1935.
Garments, Foundation. Primrose Foundations, Inc. 331,415; Jan. 7; Serial No. 366,818; published Oct. 22, 1935.
Gloves. Oppenheim, Collins & Company, New York, N. Y. 109,367; renewed Apr. 4, 1936.
Hats, bonnets, caps, etc. H. I. Hyman. 331,428; Jan. 7; Serial No. 368,941; published Oct. 22, 1935.
Hats, gloves, and dresses, Ladies'. D. F. Gilbert. 331,363; Jan. 7; Serial No. 357,000; published Oct. 22, 1935.
Hosiery. Manley & Carew Co. 331,509; Jan. 7.
Hosiery. R. Wallenstein. 331,502–3; Jan. 7.
Lingerie, gloves, bathing suits, etc., Ladies'. H. & A. Gelfinsky Inc. 331,373; Jan. 7; Serial No. 367,490; published Oct. 22, 1935.
Overcoats and top coats for men. Hornstein-Newman Inc. 331,469; Jan. 7; Serial No. 364,019; published Sept. 24, 1935.
Pajamas, bath robes, beach robes etc., Men's wear, namely. L. Bamberger & Company. 331,360; Jan. 7; Serial No. 367,763; published Oct. 22, 1935.
Shirts, Uppers shirt Company. 331,436; Jan. 7; Serial No. 366,041; published Oct. 15, 1935.
Shoes. D. Armstrong & Company. 331,409; Jan. 7; Serial No. 368,214; published Oct. 22, 1935.
Shoes, National Shoe Stores, Inc. 331,418; Jan. 7; Serial No. 368,378; published Oct. 22, 1935.
Shoes. Franklin Simon & Co. Inc. 331,360; Jan. 7; Serial No. 367,561; published Oct. 22, 1935.
Shoes and sandals, Women's. A. S. Beck Shoe Corporation. 331,368; Jan. 7; Serial No. 367,704; published Oct. 22, 1935.
Shoes, Children's and infants'. Stockheimer Bro. & Co. 109,557; renewed Apr. 11, 1936.
Shoes, Ladies'. Carlisle Shoe Company. 331,339; Jan. 7; Serial No. 368,441; published Oct. 22, 1935.
Soles for shoes. Lima Cord Sole and Heel Company. 331,362; Jan. 7; Serial No. 367,972; published Oct. 22, 1935.
Underwear. Lewis Knitting Company. 331,506; Jan. 7.
Underwear. Robert Reis & Co. 109,546; renewed Apr. 11, 1936.
Underwear, Silk. H. A. Wilson. 109,307; renewed Apr. 18, 1936.

CLASS 40

Fasteners or coupling devices for undergarments. "Governor" Specialties Company. 331,485; Jan. 7; Serial No. 366,618; published Oct. 22, 1935.

CLASS 42

Cloths or towels and handkerchiefs, Face. F. J. Reeves. 109,323; renewed May 28, 1936.
Fabric, Belts of woven. John Cullerton & Sons. 109,349; renewed Feb. 15, 1936.
Fabric, Knitted. Knitwear Mfg. Co. 331,387; Jan. 7; Serial No. 368,486; published Oct. 22, 1935.
Knitted and woven goods. American Hosiery Company. 331,496; Jan. 7; Serial No. 365,015; published Oct. 22, 1935.
Ribbons and piece goods. W-E-R Ribbon Corporation. 331,457; Jan. 7; Serial No. 366,268; published Oct. 22, 1935.
Rugs and carpets, Woven textile. Bigelow-Sanford Carpet Co. Inc. 331,496; Jan. 7.
Silk piece goods. Goldenberg Fabrics, Inc. 331,496; Jan. 7.
Silk piece goods. H. R. Mallinson & Co. 109,537–8; renewed Apr. 18, 1936.
Silk piece goods. Onondaga Silk Company. 331,419; Jan. 7; Serial No. 368,346; published Oct. 22, 1935.
Woolen piece goods. Strong Hewat & Co. 331,447; Jan. 7; Serial No. 364,933; published July 16, 1935.

CLASS 44

Corrective shoes. Foot-Health Institute. 331,445; Jan. 7; Serial No. 336,648; published June 5, 1934.
Embalming devices, and receptacles for same. Embalmers Supply Company. 109,527; renewed Apr. 11, 1936.
Massage devices. V. H. Anderson. 331,440; Jan. 7; Serial No. 355,722; published Oct. 29, 1935.
Prophylactic articles. E. G. Fletcher. 331,367; Jan. 7; Serial No. 367,648; published Oct. 29, 1935.
Scissors, manicure implements, nail files, and tweezers, Cuticle. Henkel-Clauss Company. 331,421; Jan. 7; Serial No. 366,098; published Oct. 29, 1935.
Sock liners for aching feet. C. H. Steenmeyer. 331,424; Jan. 7; Serial No. 366,535; published Oct. 29, 1935.

CLASS 45

Beverages, and syrups and extracts for same, Maltless. Monarch Manufacturing Company. 331,348; Jan. 7; Serial No. 369,710; published Oct. 29, 1935.
Beverages, and syrups, extracts, and flavors for same, Maltless. Howdy Company. 331,345; Jan. 7; Serial No. 369,658; published Oct. 29, 1935.
Grape-juice. Welch Grape Juice Company. 109,970; renewed Apr. 25, 1936.

CLASS 46

Bread, and fish food. T. H. Quinn. 331,416; Jan. 7; Serial No. 365,817; published Oct. 29, 1935.
Butter. Beatrice Creamery Company. 110,115; renewed May 2, 1936.
Cakes and crackers. Southern Biscuit Company. 331,342; Jan. 7; Serial No. 360,682; published Oct. 29, 1935.
Candy bars. A. Rieselbach. 331,477; Jan. 7; Serial No. 368,817; published Oct. 22, 1935.
Canned and preserved fish. Strohmeyer & Arpe Company. 107,023; renewed Nov. 9, 1935.
Canned food for dogs, cats, etc. Foster Canning Co. 331,427; Jan. 7; Serial No. 366,937; published Oct. 29, 1935.
Canned fresh horticultural beans. H. C. Baxter & Bro. 331,460; Jan. 7; Serial No. 362,902; published Oct. 29, 1935.
Canned fruits and vegetables, coffee, etc. W. A. Bauer Co. 331,419; Jan. 7; Serial No. 365,975; published Oct. 29, 1935.
Canned green chili sauce. E. C. Ortega Company. 331,470; Jan. 7; Serial No. 363,946; published Oct. 29, 1935.
Canned olives. V. R. Smith. 331,404; Jan. 7; Serial No. 368,939; published Oct. 29, 1935.
Canned pimientos and chile peppers. E. C. Ortega Company. 331,457; Jan. 7; Serial No. 368,945; published Oct. 29, 1935.
Canned sea food. W. R. Gilbert Company. 331,391; Jan. 7; Serial No. 367,997; published Oct. 29, 1935.
Canned vegetables. K-C Lumber Company. 107,917–18; renewed Jan. 4, 1936.
Cheese and butter. Galloway-West Co. 109,943; renewed Apr. 18, 1936.
Coffee. E. L. Gerhart. 107,061–2; renewed Nov. 9, 1935.
Coffee. Kansas City Wholesale Grocery Company. 109,451; renewed Apr. 11, 1936.
Coffee. Wholesale Distributors, Inc. 331,405; Jan. 7; Serial No. 368,965; published Oct. 29, 1935.
Desserts, Prepared. Shirriff's Limited. 331,498; Jan. 7.
Flour. Washburn, Crosby & Co. 18,253; re-renewed Apr. 27, 1936.
Flour, Wheat. Memphis Mill Co. 109,000; renewed Mar. 14, 1936.
Food-beverage compounds. Postum Cereal Co. 107,527; renewed Dec. 7, 1935.
Foods. Acme-Evans Company. 109,921; renewed Nov. 9, 1935.
Foods. Inter-State Grocer Co. 107,341; renewed Nov. 23, 1935.
Fruits, Citrus. Strathmore Packing House Co. 109,295; renewed Mar. 28, 1936.
Fruits, Fresh citrus. Tree-Gold Cooperative Growers of Florida. 331,355; Jan. 7; Serial No. 368,638; published Oct. 29, 1935.
Gelatin. Standard Brands Incorporated. 331,433; Jan. 7; Serial No. 367,266; published Oct. 29, 1935.
Lobsters and crabs, preserved fruits and vegetables, Prepared, canned. Sterling Import & Export Corp. 331,507; Jan. 7.
Meats. Eastern Market Sausage Company. 331,456–7; Jan. 7; Serial Nos. 362,168–9; published Oct. 29, 1935.
Milk, cream, and ice cream. Borden's Condensed Milk Company. 107,210; renewed Nov. 23, 1935.
Salt. Union Salt Company. 109,450; renewed Apr. 4, 1936.

Vegetables and mutuel, Frank. Smith-Thornburg Company. 231,389; Jan. 7; Serial No. 368,668; published Oct. 29, 1935.

CLASS 47

Wines. Italian Swiss Colony. 231,394; Jan. 7; Serial No. 369,122; published Oct. 29, 1935.
Wines. Majestic Wine & Spirits, Inc. 231,400; Jan. 7; Serial No. 369,281; published Oct. 29, 1935.
Wines. José Ramirez & Co. Limited. 231,395; Jan. 7; Serial No. 368,455; published Oct. 29, 1935.
Wines. Vintage Wines, Inc. 231,371; Jan. 7; Serial No. 367,320; published Oct. 29, 1935.

CLASS 48

Ale and beer. Standard Brewing Company. 231,402; Jan. 7; Serial No. 369,422; published Oct. 29, 1935.
Beer, ale, and porter. Hahnam & Herrmann Brewing Co. 231,490; Jan. 7.
Malt products. Sterling Brewers, Inc. 231,448; Jan. 7; Serial No. 368,196; published Oct. 29, 1935.

CLASS 49

Brandy. Fruit Industries, Ltd. 231,466; Jan. 7; Serial No. 367,129; published Oct. 29, 1935.
Gin. Ostrosco Distilled Products Co. 231,396; Jan. 7; Serial No. 369,562; published Oct. 29, 1935.
Gin and whiskey. Supreme Distributors, Inc. 231,398; Jan. 7; Serial No. 369,602; published Oct. 29, 1935.
Gin, Distilled dry. Lyons-Magnus, Inc. 231,401; Jan. 7; Serial No. 369,668; published Oct. 29, 1935.
Rum. Compania Ron Bacardi, S. A. 231,468-69; Jan. 7; Serial Nos. 369,838-9; published Oct. 29, 1935.
Whiskey. George Bent Sons, Inc. 231,394; Jan. 7; Serial No. 369,532; published Oct. 29, 1935.
Whiskey. Brunswig Drug Co. 231,341; Jan. 7; Serial No. 369,595; published Oct. 29, 1935.
Whiskey. Continental Distilling Corporation. 231,510; Jan. 7.
Whiskey. Dewboden's Wholesale Liquor Co. 231,398; Jan. 7.
Whiskey. Frankfort Distilleries, Incorporated. 231,342-4; Serial Nos. 369,843-5; published Oct. 29, 1935.
Whiskey. Ostrosco Distilled Products Co. 231,390-91; Serial Nos. 369,578-89; published Oct. 29, 1935.
Whiskey. Joseph B. Seagram & Sons, Inc. 231,441; Jan. 7; Serial No. 368,595; published Oct. 29, 1935.
Whiskey, brandy, gin, etc. Joseph B. Finch and Company. 231,382; Jan. 7; Serial No. 369,567; published Oct. 29, 1935.
Whiskies. Joseph Triner Corporation. 231,399; Jan. 7; Serial No. 369,606; published Oct. 29, 1935.

LIST OF LABELS

Beech-Nut Anise Drops. For Anise Drops. Beech-Nut Packing Company. 46,944; Jan. 7.
Beech-Nut Honey Nougat. For Honey Nougats. Beech-Nut Packing Company. 46,948; Jan. 7.
Beech-Nut Lime Drops. For Lime Drops. Beech-Nut Packing Company. 46,945; Jan. 7.
Borden's Ferncrest Brand Finest Quality Guaranteed White Eggs. For Eggs. Borden's Farm Products Company. 46,947; Jan. 7.
Burgess Twin-Six Lantern. For Electric Lanterns. Burgess Battery Company. 46,948; Jan. 7.
Cardinal Brand Coffee. For Coffee. G. H. Wetterau & Sons Grocer Co. 46,973; Jan. 7.
Collingbourne's Heather Tweed-Sports Apparel Wool, Art. 625 ½ Cn. Color, Style, Quality. For Apparel Wool for the Making of Wearing Apparel. Collingbourne Mills, Inc. 46,949; Jan. 7.
Collingbourne's Super Value Mercerized Cordelle, Art. 980. Size 90. 450 Yds. For Mercerized Cordelle. Collingbourne Mills, Inc. 46,950; Jan. 7.
Dairylea Spray Process Dried Skim Milk, For Skim Milk. Dairymen's League Co-Operative Association, Inc. 46,951; Jan. 7.
Deanbrook. For Blended Whiskey. Siegfried Loewenthal Company. 46,970; Jan. 7.
Foot Powder. For Foot Powder. M. G. Neumann. 46,963; Jan. 7.
Gaviota, the All Season Fertilizer. For a Fertilizer. Pacific Guano Company. 46,967; Jan. 7.
"Italian Cook" an American Brand. For Salad Oil Which is a Product Highly Refined from Oil Produced Only From Various Types of Vegetable Seed, and Does Not Contain Olive Oil. Agash Refining Corporation. 46,940; Jan. 7.
Johnson's Floor Varnish. For Floor Varnish. S. C. Johnson & Son, Inc. 46,953; Jan. 7.
Johnson's Perma Prime. For First Coater Paint. S. C. Johnson & Son, Inc. 46,954; Jan. 7.
Johnson's 78 Varnish. For Varnish. S. C. Johnson & Son, Inc. 46,955; Jan. 7.
José Lopez. For Cigars. J. Lopez. 46,956; Jan. 7.
Madam Jones Vegetable Compound. For a Vegetable Compound. M. G. Neumann. 46,964; Jan. 7.
Mello-Toast. For Bread. Pollock Paper & Bag Company. 46,966; Jan. 7.
Mothers Home Made Bread. For Bread. Mother's Home Made Pies, Inc. 46,958; Jan. 7.
Ole's. For Chili Con Carne. Ole's Chili Products. 46,968; Jan. 7.
On-A-Door On-A-Chair In-The-House Everywhere. For Rubber Ball Paraphernalia. Rehabilitator, Inc. 46,969; Jan. 7.
Ono Kine. For Fresh Oranges. Murphy Ranch. 46,960; Jan. 7.
Our Favorite. For Salad Dressing. Blue Ryrd Specialty Co. 46,946; Jan. 7.
Peacock. For Buckwheat and Wheat Flour. Albers Bros. Milling Co. 46,941; Jan. 7.
Pine Tar Shampoo. For Pine Tar Shampoo. M. G. Neumann. 46,962; Jan. 7.
Standard Fresh Bourbon Blend Pure Coffee. For Coffee. Standard Coffee Company. 46,972; Jan. 7.
Subline. For Fresh Lemons. Murphy Ranch. 46,961; Jan. 7.
To Economize Galvanize at Enterprise. For Metal-work. Enterprise Galvanizing Company. 46,953; Jan. 7.
Top Row. For Whiskey. Los Angeles Brewing Co. 46,951; Jan. 7.
2-X. For Champagne Type Beer. Southern Brewing Company. 46,971; Jan. 7.
Universal Battery Clips. For Battery Clips. Mueller Electric Company. 46,969; Jan. 7.
Valmor Headache Tablets. For Headache Tablets. M. G. Neumann. 46,965; Jan. 7.
Verdant Valley Butter. For Butter. M. Angenblick & Bro., Inc. 46,942; Jan. 7.

LIST OF PRINTS

A True Story of My Own Experience. For a Hair Tonic and Scalp Treatment Preparation. O. S. Paul. 15,551; Jan. 7.
Circ-Air. For Tempering Furnaces. Indn trial Heating Equipment Company. 15,547; Jan. 7.
Direct-reading Freezometer. For Hydrometers. Kimble Glass Company. 15,549; Jan. 7.
Eaton's Highland Linen Writing Papers. For Writing Paper. Eaton Paper Corporation. 15,546; Jan. 7.
Nutrena, the Egg-Producing Feed for Poultry. For Poultry Feed. Nutrena Mills, Inc. 15,552; Jan. 7.
Red Top Private Stock Whiskey. For Whiskey. Majestic Wine & Liquor Corporation. 15,549-50; Jan. 7.
The Ideal Gift . . . . Markwell Fasteners. For Fasteners. Markwell Manufacturing Company. 15,551; Jan. 7.
Where Your Dollars are Big Dollars. For Radios. Boyle Furniture Co. 15,545; Jan. 7.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Beaumont, James F. (See Moore, G. D. and Beaumont.)
Benedict, Wayne L., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of motor fuel. 19,804; Jan. 7.
Ellis, Charles H., Jr., Mahwah, N. J., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator. 19,809; Jan. 7.
General Railway Signal Company. (See Wight, Sedgwick N., assignor.)
Grosvenor, Graham B., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Electric elevator system. 19,806; Jan. 7.
Gulliksen, Finn H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator compensator. 19,807; Jan. 7.
Kirschbraun, Lester, Leonia, N. J., assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbons. 19,810; Jan. 7.
Knold, Clyde M. (See Wurzbach, H. H., and Knold.)
Kranz, Frederick W., Fort Wayne, Ind., assignor, by mesne assignments, to Sonotone Corporation, New York, N. Y. Vibration instrument for bone audition. 19,808; Jan. 7.
L. C. L. Corporation, The. (See Woodruff, Graham C., assignor.)
Malm, Henry, New York, N. Y. Footwear. 19,800; Jan. 7.
McDonough, Francis T. (See Moyer, A. F., and McDonough).
Meusy, Eugene R., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Gas cock. 19,816; Jan. 7.
Milwaukee Gas Specialty Company. (See Meusy, Eugene R., assignor.)
Moore, George D., and J. F. Beaumont, Worcester, Mass. Mixing device. 19,811; Jan. 7.
Moyer, Amos F., Minneapolis, Minn., and F. T. McDonough, deceased, Madison, Wis., by Precision Balancing Machine Company of Eau Claire, Wis., assignee, by mesne assignments. Balancing machine. 19,812; Jan. 7.
Otis Elevator Company. (See Grosvenor, Graham B., assignor.)
Precision Balancing Machine Company. (See Moyer, A. F., and McDonough.)
Sonotone Corporation. (See Kranz, Frederick W., assignor.)
Strobel, Erich G., Chicago, Ill. Cake plate. 19,818; Jan. 7.
Universal Oil Products Company. (See Benedict, Wayne L., assignor.)
Universal Oil Products Company. (See Kirschbraun, Lester, assignor.)
Westinghouse Electric Elevator Company. (See Ellis, Charles H., Jr., assignor.)
Westinghouse Electric & Manufactering Company. (See Gulliksen, Finn H., assignor.)
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 19,814; Jan. 7.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Interchangeable container freight car. 19,815; Jan. 7.
Wurzbach, Hugh H. and C. H. Konold, Magna, Utah. Electromagnetic vibrating apparatus. 19,816; Jan. 7.
Wurzbach, Hugh H. and C. H. Konold, Magna, Utah. Electromagnetic vibrating apparatus. 19,817; Jan. 7.

LIST OF DESIGN PATENTEES

Adlake Company, The. (See Hendrickson, Hugh H., assignor.)
Aeolian American Corporation. (See Kavanagh, Gardner C., assignor.)
Alterson, Louis, New York, N. Y. Buckle. 98,048; Jan. 7.
Arenberg, Albert L., Chicago, Ill. Lamp casing. 98,106; Jan. 7.
Barling, R. & Sons. (See Barling, Montague H., assignor.)
Barling, Montague H., Camden Town, London, assignor to the firm R. Barling & Sons, London, England. Tobacco pipe. 98,046; Jan. 7.
Beck, Morris B., Woodmere, N. Y. Spotlight. 98,047; Jan. 7.
Block, Samuel J., assignor to Steel Kitchens Corporation, Connersville, Ind. Cabinet. 98,049; Jan. 7.
Blow, George W., New York, N. Y., assignor to Western Clock Company, Peru, Ill. Combined paper weight, clock, calendar, and support therefor. 98,045; Jan. 7.
Boysen, George D., Philadelphia, Pa. Lens. 98,104; Jan. 7.
Briggs Manufacturing Company. (See Callahan, John A., assignor.)
Brugh, Emery, assignor to Moth King Corporation, Chicago, Ill. Electric heater. 98,050; Jan. 7.
Budd, Edward G., Manufacturing Company. (See Ragsdale, Earl J. W., assignor.)
Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 98,107; Jan. 7.
Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 98,108; Jan. 7.
Cahn, Oscar J., New York, N. Y. Textile fabric. 98,109; Jan. 7.
Callahan, John A., assignor to Briggs Manufacturing Company, Detroit, Mich. Bathtub. 98,051; Jan. 7.
Cave, Henry, Hartford, Conn. Floor brush. 98,120; Jan. 7.
Clark, Jeddie B., assignor to Indiana Glass Company, Dunkirk, Ind. Plate. 98,052; Jan. 7.
Cohen, David S., Brooklyn, N. Y. Shoe. 98,053; Jan. 7.
Colella & Leighton Shoe Company. (See Colella Pasquale, assignor.)
Colella, Pasquale, Nahant, assignor to Colella & Leighton Shoe Company, Lynn, Mass. Shoe. 98,054; Jan. 7.
Conner, Benjamin F., West Hartford, Conn. Jar. 98,055; Jan. 7.
Conroy, Edward J., New Haven, assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 98,056; Jan. 7.
Crane Co. (See Priolin, Victor E., assignor.)
Culver, Fred R., Wilcox, N. Y. Necktie holder. 98,057; Jan. 7.
Electrolux Corporation. (See Lofgren, Gustaf E., assignor.)
Emmey, Charles, New York, N. Y. Applique emblem or similar article for wearing apparel. 98,058; Jan. 7.
Emmey, Charles, New York, N. Y. Applique emblem or similar article for wearing apparel. 98,110; Jan. 7.
Emmey, Charles, New York, N. Y. Applique emblem or similar article for wearing apparel. 98,111; Jan. 7.
Epstein, Samuel, New York, N. Y. Shoe. 98,059; Jan. 7.
Ferguson, Robert M., Jr., Newark, N. J. Automobile body or similar article. 98,060; Jan. 7.
Fiedla, Victor E., Oak Park, assignor to Crane Co., Chicago, Ill. Rotary valve. 98,061; Jan. 7.
Gabe, A. Lester, New York, assignor to Kerk Guild, Inc., Utica, N. Y. Doll baby novelty. 98,062; Jan. 7.
General Electric Company. (See Gosling, Joseph W., assignor.)
General Motors Corporation. (See Hershey, Franklin Q., assignor.)
Gobel, Henry, New York, N. Y. Lace. 98,121; Jan. 7.
Goldberg, Herman, Haverhill, Mass. Shoe. 98,063; Jan. 7.
Goodwin, John E., Penrhyn Bay, Llandudno, North Wales, assignor to Josiah Wedgwood & Sons, Inc., of America, New York, N. Y. Plate or similar article. 98,064; Jan. 7.
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company of New York. Lighting unit. 98,112; Jan. 7.
Graves, C. H., & Sons Company. (See Laird, George H., assignor.)
Groenleer, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Toilet seat. 98,113; Jan. 7.
Hardy, William G., Crafton, assignor to The McKay Company, Pittsburgh, Pa. Glider. 98,065; Jan. 7.
Harrison, Monroe, Chicago, Ill. Combined casing, stand, and capping device for a bottling machine. 98,066; Jan. 7.
Heil Co., The. (See Thwaits, Frederick G., assignor.)
Hendrickson, Hugh H., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Metal sash rail. 98,067; Jan. 7.
Hershey, Franklin Q., assignor to General Motors Corporation, Detroit, Mich. Automobile radiator ornament. 98,068; Jan. 7.
Hiering, William C., Millburn Township, Essex County, assignor to The J. H. Mergott Company, Newark, N. J. Bag frame. 98,122; Jan. 7.
Holland Brass Works, Incorporated. (See Liska, William F., assignor.)

Vegetables and melons, Fresh. Smith-Thornburg Company. 331,382; Jan. 7; Serial No. 369,069; published Oct. 29, 1935.

CLASS 47

Wines. Italian Swiss Colony. 331,384; Jan. 7; Serial No. 369,132; published Oct. 29, 1935.
Wines. Majestic Wine & Spirits, Inc. 331,480; Jan. 7; Serial No. 369,281; published Oct. 29, 1935.
Wines. José Ramires & Co. Limited. 331,385; Jan. 7; Serial No. 368,455; published Oct. 29, 1935.
Wines. Vintage Wines, Inc. 331,571; Jan. 7; Serial No. 367,830; published Oct. 29, 1935.

CLASS 48

Ale and beer. Standard Brewing Company. 331,402; Jan. 7; Serial No. 369,422; published Oct. 29, 1935.
Beer, ale, and porter. Ruhsam & Herrmann Brewing Co. 331,490; Jan. 7.
Malt products. Sterling Brewers, Inc. 331,468; Jan. 7; Serial No. 366,196; published Oct. 29, 1935.

CLASS 49

Brandy. Fruit Industries, Ltd. 331,486; Jan. 7; Serial No. 367,129; published Oct. 29, 1935.
Gin. Cutrucan Distilled Products Co. 331,399; Jan. 7; Serial No. 369,562; published Oct. 29, 1935.
Gin and whiskey. Supreme Distributors, Inc. 331,388; Jan. 7; Serial No. 369,592; published Oct. 29, 1935.
Gin, Distilled dry. Lyons-Magnus, Inc. 331,401; Jan. 7; Serial No. 369,261; published Oct. 29, 1935.
Rum. Compania Ron Bacardi, S. A. 331,449-50; Jan. 7; Serial Nos. 369,332-3; published Oct. 29, 1935.
Whiskey. George Benz Sons, Inc. 331,396; Jan. 7; Serial No. 369,522; published Oct. 29, 1935.
Whiskey. Brunswig Drug Co. 331,341; Jan. 7; Serial No. 369,598; published Oct. 29, 1935.
Whiskey. Continental Distilling Corporation. 331,519; Jan. 7.
Whiskey. Bernstein's Wholesale Liquor Co. 331,536; Jan. 7.
Whiskey, Frankfort Distilleries, Incorporated. 331,542-4; Jan. 7; Serial Nos. 369,642-4; published Oct. 29, 1935.
Whiskey. Cutrucan Distilled Products Co. 331,390-91; Jan. 7; Serial Nos. 369,570-80; published Oct. 29, 1935.
Whiskey. Joseph E. Seagram & Sons, Inc. 331,441; Jan. 7; Serial No. 355,586; published Oct. 29, 1935.
Whiskey, brandy, gin, etc. Joseph S. Finch and Company. 331,382; Jan. 7; Serial No. 369,567; published Oct. 29, 1935.
Whiskies. Joseph Triner Corporation. 331,396; Jan. 7; Serial No. 369,695; published Oct. 29, 1935.

LIST OF LABELS

Beech-Nut Anise Drops. For Anise Drops. Beech-Nut Packing Company. 46,944; Jan. 7.
Beech-Nut Honey Nougat. For Honey Nougats. Beech-Nut Packing Company. 46,943; Jan. 7.
Beech-Nut Lime Drops. For Lime Drops. Beech-Nut Packing Company. 46,945; Jan. 7.
Borden's Ferncrest Brand Finest Quality Guaranteed Whits Eggs. For Eggs. Borden's Farm Products Company. 46,947; Jan. 7.
Burgess Twin-Six Lantern. For Electric Lanterns. Burgess Battery Company. 46,948; Jan. 7.
Cardinal Brand Coffee. For Coffee. G. H. Wetterau & Sons Grocer Co. 46,973; Jan. 7.
Collingbourne's Heather Tweed-Sports Apparel Wool, Art. 625 ½ On. Color, Style, Quality. For Apparel Wool for the Making of Wearing Apparel. Collingbourne Mills, Inc. 46,949; Jan. 7.
Collingbourne's Super Value Mercerized Cordelle, Art. 880, Size 30, 450 Yds. For Mercerized Cordelle. Collingbourne Mills, Inc. 46,950; Jan. 7.
Dairylea Spray Process Dried Skim Milk. For Skim Milk. Dairymen's League Co-Operative Association, Inc. 46,951; Jan. 7.
Deanbrook. For Blended Whiskey. Siegfried Loewenthal Company. 46,970; Jan. 7.
Foot Powder. For Foot Powder. M. G. Neumann. 46,953; Jan. 7.
Gaviota, the All Season Fertilizer. For a Fertilizer. Pacific Guano Company. 46,967; Jan. 7.
"Italian Cook" an American Brand. For Salad Oil Which is a Product Highly Refined from Oil Produced Only From Various Types of Vegetable Seed, and Does Not Contain Olive Oil. Agash Refining Corporation. 46,940; Jan. 7.
Johnson's Floor Varnish. For Floor Varnish. S. C. Johnson & Son, Inc. 46,953; Jan. 7.
Johnson's Perma Prime. For First Coater Paint. S. C. Johnson & Son, Inc. 46,954; Jan. 7.
Johnson's 78 Varnish. For Varnish. S. C. Johnson & Son, Inc. 46,955; Jan. 7.
José Lopez. For Cigars. J. Lopez. 46,956; Jan. 7.
Madam Jones Vegetable Compound. For a Vegetable Compound. M. G. Neumann. 46,964; Jan. 7.
Mello-Toast. For Bread. Pyfield Paper & Box Company. 46,969; Jan. 7.
Mother's Home Made Bread. For Bread. Mother's Home Made Pies, Inc. 46,958; Jan. 7.
Ole's. For Chili Con Carne. Ole's Chili Products. 46,968; Jan. 7.
On-A-Door On-A-Chair In-The-Home Everywhere. For Basket Ball Paraphernalia. Sobelsinger, Inc. 46,959; Jan. 7.
One Star. For Fresh Oranges. Murphy Ranch. 46,960; Jan. 7.
Our Favorite. For Salad Dressing. Blue Bird Specialty Co. 46,946; Jan. 7.
Peacock. For Buckwheat and Wheat Flour. Albers Bros. Milling Co. 46,941; Jan. 7.
Pine Tar Shampoo. For Pine Tar Shampoo. M. G. Neumann. 46,962; Jan. 7.
Standard Fresh Bourbon Blend Pure Coffee. For Coffee. Standard Coffee Company. 46,972; Jan. 7.
Sublime. For Fresh Lemons. Murphy Ranch. 46,961; Jan. 7.
To Economize Galvanize at Enterprise. For Metalware. Enterprise Galvanizing Company. 46,952; Jan. 7.
Top Row. For Whiskey. Los Angeles Brewing Co. 46,957; Jan. 7.
2-X. For Champagne Type Beer. Southern Brewing Company. 46,971; Jan. 7.
Universal Battery Clips. For Battery Clips. Mueller Electric Company. 46,939; Jan. 7.
Valmor Headache Tablets. For Headache Tablets. M. G. Neumann. 46,965; Jan. 7.
Verdant Valley Butter. For Butter. M. Ansonbilch & Bro., Inc. 46,942; Jan. 7.

LIST OF PRINTS

A True Story of My Own Experience. For a Hair Tonic and Scalp Treatment Preparation. G. S. Paul. 15,551; Jan. 7.
Circ-Air. For Tempering Furnaces. Indu trial Heating Equipment Company. 15,547; Jan. 7.
Direct-reading Freezometer. For Hydrometers. Kimble Glass Company. 15,548; Jan. 7.
Eaton's Highland Linen. Writing Papers. For Writing Paper. Eaton Paper Corporation. 15,546; Jan. 7.
Nutrena, the Egg-Producing Feed for Poultry. For Poultry Feed. Nutrena Mills, Inc. 15,552; Jan. 7.
Red Top Private Stock Whiskey. For Whiskey. Majestic Wine & Liquor Corporation. 15,549-50; Jan. 7.
The Ideal Gift. . . . Markwell Fastener. For Fasteners. Markwell Manufacturing Company. 15,551; Jan. 7.
Where Xmas Dollars are Big Dollars. For Radios. Boyle Furniture Co. 15,545; Jan. 7.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Beaumont, James F. (See Moore, G. D. and Beaumont.)
Benedict, Wayne L., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of motor fuel. 19,804; Jan. 7.
Ellis, Charles H., Jr., Mahwah, N. J., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator. 19,806; Jan. 7.
General Railway Signal Company. (See Wight, Sedgwick N., assignor.)
Grosvenor, Graham B., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Electric elevator system. 19,806; Jan. 7.
Gulliksen, Finn H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator compensator. 19,807; Jan. 7.
Kirschbraun, Lester, Leconia, N. J., assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbons. 19,818; Jan. 7.
Konold, Clyde H. (See Wurzbach, H. R., and Konold.)
Kranz, Frederick W., Fort Wayne, Ind., assignor, by mesne assignments, to Sonotone Corporation, New York, N. Y. Vibration instrument for bone audition. 19,808; Jan. 7.
L. C. L. Corporation, The. (See Woodruff, Graham C., assignor.)
Maim, Henry, New York, N. Y. Footwear. 19,809; Jan. 7.
McDonough, Francis T. (See Moyer, A. F., and McDonough).
Meusy, Eugene E., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Gas cock. 19,810; Jan. 7.
Milwaukee Gas Specialty Company. (See Meusy, Eugene E., assignor.)
Moore, George D., and J. F. Beaumont, Worcester, Mass. Mixing device. 19,811; Jan. 7.
Moyer, Amos F., Minneapolis, Minn., and F. T. McDonough, deceased, Madison, Wis., by Precision Balancing Machine Company of Eau Claire, Wis., assignee, by mesne assignments. Balancing machine. 19,812; Jan. 7.
Otis Elevator Company. (See Grosvenor, Graham B., assignor.)
Precision Balancing Machine Company. (See Moyer, A. F., and McDonough.)
Sonotone Corporation. (See Kranz, Frederick W., assignor.)
Steudel, Erich O., Chicago, Ill. Cake plate. 19,813; Jan. 7.
Universal Oil Products Company. (See Benedict, Wayne L., assignor.)
Universal Oil Products Company. (See Kirschbraun, Lester, assignor.)
Westinghouse Electric Elevator Company. (See Ellis, Charles H., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 19,814; Jan. 7.
Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Interchangeable container for freight car. 19,815; Jan. 7.
Wurzbach, Hugh R., and C. H. Konold, Magna, Utah. Electromagnetic vibrating apparatus. 19,816; Jan. 7.
Wurzbach, Hugh R., and C. H. Konold, Magna, Utah. Electromagnetic vibrating apparatus. 19,817; Jan. 7.

LIST OF DESIGN PATENTEES

Adlake Company, The. (See Hendrickson, Hugh H., assignor.)
Aeolian American Corporation. (See Kavanagh, Gardner C., assignor.)
Alterson, Louis, New York, N. Y. Buckle. 98,046; Jan. 7.
Arenberg, Albert L., Chicago, Ill. Lamp casing. 98,106; Jan. 7.
Barling, R., & Sons. (See Barling, Montague H., assignor.)
Barling, Montague H., Camden Town, London, assignor to the firm R. Barling & Sons, London, England. Tobacco pipe. 98,044; Jan. 7.
Beck, Merrie R., Woodmere, N. Y. Spotlight. 98,047; Jan. 7.
Block, Samuel J., assignor to Stool Kitchens Corporation, Connersville, Ind. Cabinet. 98,048; Jan. 7.
Blow, George W., New York, N. Y., assignor to Western Clock Company, Peru, Ill. Combined paper weight, clock, calendar, and support therefor. 98,049; Jan. 7.
Boysen, George D., Philadelphia, Pa. Lens. 98,105; Jan. 7.
Briggs Manufacturing Company. (See Callahan, John A., assignor.)
Brugh, Emery, assignor to Moth Kling Corporation, Chicago, Ill. Electric heater. 98,050; Jan. 7.
Budd, Edward G., Manufacturing Company. (See Ragsdale, Earl J. W., assignor.)
Buxton, Warner B., Longmeadow, Mass. Flexible pocket receptacle. 98,107; Jan. 7.
Buxton, Warner B., Longmeadow, Mass. Flexible pocket receptacle. 98,108; Jan. 7.
Cahn, Oscar J., New York, N. Y. Textile fabric. 98,109; Jan. 7.
Callahan, John A., assignor to Briggs Manufacturing Company, Detroit, Mich. Bathtub. 98,051; Jan. 7.
Cave, Henry, Hartford, Conn. Floor brush. 98,120; Jan. 7.
Clark, Jeddie B., assignor to Indiana Glass Company, Dunkirk, Ind. Plate. 98,052; Jan. 7.
Cohen, David S., Brooklyn, N. Y. Shoe. 98,053; Jan. 7.
Colella & Leighton Shoe Company. (See Colella Pasquale, assignor.)
Colella, Pasquale, Nahant, assignor to Colella & Leighton Shoe Company, Lynn, Mass. Shoe. 98,054; Jan. 7.
Conner, Benjamin F., West Hartford, Conn. Jar. 98,055; Jan. 7.
Conroy, Edward J., New Haven, assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 98,056; Jan. 7.
Crane Co. (See Fiedler, Victor E., assignor.)
Culver, Fred B., Wilson, N. Y. Necktie holder. 98,057; Jan. 7.
Electrolux Corporation. (See Lofgren, Gustaf E., assignor.)
Emmey, Charles, New York, N. Y. Applique emblem or similar article for wearing apparel. 98,058; Jan. 7.
Emmey, Charles, New York, N. Y. Applique emblem or similar article for wearing apparel. 98,110; Jan. 7.
Emmey, Charles, New York, N. Y. Applique emblem or similar article for wearing apparel. 98,111; Jan. 7.
Epstein, Samuel, New York, N. Y. Shoe. 98,059; Jan. 7.
Ferguson, Robert M., Jr., Newark, N. J. Automobile body or similar article. 98,060; Jan. 7.
Fiedler, Victor E., Oak Park, assignor to Crane Co., Chicago, Ill. Rotary valve. 98,061; Jan. 7.
Gabe, A. Lester, New York, assignor to Kerk Guild, Inc., Utica, N. Y. Doll baby novelty. 98,062; Jan. 7.
General Electric Company. (See Gosling, Joseph W., assignor.)
General Motors Corporation. (See Hershey, Franklin Q., assignor.)
Gobel, Henry, New York, N. Y. Lace. 98,121; Jan. 7.
Goldberg, Herman, Haverhill, Mass. Shoe. 98,063; Jan. 7.
Goodwin, John E., Penrhyn Bay, Llandudno, North Wales, assignor to Josiah Wedgwood & Sons, Inc., of America, New York, N. Y. Plate or similar article. 98,064; Jan. 7.
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company of New York. Lighting unit. 98,112; Jan. 7.
Graves, C. H., & Sons Company. (See Laird, George H., assignor.)
Greeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Toilet seat. 98,113; Jan. 7.
Hardy, William G., Crafton, assignor to The McKay Company, Pittsburgh, Pa. Glider. 98,065; Jan. 7.
Harrison, Monroe, Chicago, Ill. Combined casing, stand, and capping device for a bottling machine. 98,066; Jan. 7.
Heil Co., The. (See Thwaits, Frederick G., assignor.)
Hendrickson, Hugh H., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Metal sash rail. 98,067; Jan. 7.
Hershey, Franklin Q., assignor to General Motors Corporation, Detroit, Mich. Automobile radiator ornament. 98,068; Jan. 7.
Hiering, William C., Millburn Township, Essex County, assignor to The J. E. Mergott Company, Newark, N. J. Rag frame. 98,122; Jan. 7.
Holland Brass Works, Incorporated. (See Liska, William F., assignor.)

Hershey, James H., Chicago, Ill. Tray or similar article. 98,068; Jan. 7.
Horton Manufacturing Company. (See Peters, Arthur H., assignor.)
Hubert, Rene, Hollywood, Calif., assignor to Bowman Bros. Inc., Philadelphia, Pa. Dress. 98,114; Jan. 7.
Indiana Glass Company. (See Clark, Jeddin E., assignor.)
International Silver Company. (See Conroy, Edward J., assignor.)
Jenks, George L., Chicago, Ill. Cereal bowl or similar article. 98,070; Jan. 7.
Karsh, Alexander, New York, N. Y. Service stand for the display of hors d'oeuvres. 98,071; Jan. 7.
Kavanagh, Gardner C., assignor to Aeolian American Corporation, East Rochester, N. Y. Piano case. 98,115; Jan. 7.
Keil, Gustav R., St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Cabinet for a domestic ironing machine. 98,072; Jan. 7.
Kent Guild, Ind. (See Gaba, A. Lester, assignor.)
Knapp, Andrew S., assignor to Knapp-Monarch Company, St. Louis, Mo. Combined waffle iron and tray. 98,073; Jan. 7.
Knapp, Leland G., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Brooder stove. 98,074; Jan. 7.
Knapp-Monarch Company. (See Knapp, Andrew S., assignor.)
Knopf, Albert M., Philadelphia, Pa. Dress display case. 98,075; Jan. 7.
Kraeft, Herman L., Cleveland Heights, assignor to The Murray Ohio Manufacturing Company, Cleveland, Ohio. Velocipede. 98,076; Jan. 7.
Laird, George H., West Medford, assignor to C. H. Graves & Sons Company, Boston, Mass. Bottle. 98,077; Jan. 7.
Laird, George H., West Medford, assignor to C. H. Graves & Sons Company, Boston, Mass. Bottle. 98,078; Jan. 7.
Landsiedel, Walter W., Norwood, Ohio, assignor to Remington Rand Inc., New York, N. Y. Case for calculating machines. 98,123; Jan. 7.
Levenson, Louis, San Francisco, Calif. Pedestal lamp. 98,079; Jan. 7.
Lewis, Paul M., Denver, Colo. Automobile. 98,080; Jan. 7.
Libbs, William F., assignor to Holland Brass Works, Incorporated, Chicago, Ill. Mass card holder. 98,116; Jan. 7.
Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Combined brush and nozzle. 98,082; Jan. 7.
Lorenson, Arnold I., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jug. 98,081; Jan. 7.
Maiden Form Brassiere Company. (See Rosenthal, William, assignor.)
McCorkle, Louis G., Margate, N. J. Walking stick. 98,083; Jan. 7.
McKay Company, The. (See Hardy, William C., assignor.)
Mergott, J. E., Company, The. (See Hlering, William C., assignor.)
Milton Shoe Company. (See Walsh, John J., assignor.)
Montgomery Ward & Co. (See Knapp, Leland G., assignor.)
North King Corporation. (See Brugh, Emery, assignor.)
Murray Ohio Manufacturing Company, The. (See Kraeft Herman L., assignor.)
Nineteen Hundred Corporation. (See Keil, Gustav R., assignor.)
Oebrink, Raymond H., Los Angeles, Calif. Game board. 98,084; Jan. 7.
Owens-Illinois Glass Company. (See Lorenzen, Arnold I., assignor.)
Peters, Arthur H., assignor to Horton Manufacturing Company, Fort Wayne, Ind. Combined washing machine casing and wringer. 98,124; Jan. 7.
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Solid fuel cook stove. 98,085; Jan. 7.
Pierce, John B., Foundation. (See Groesbeck, William C., assignor.)
Pollard, Frank L., Oakland, Calif. Showcase. 98,086; Jan. 7.
Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Locomotive. 98,126; Jan. 7.
Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Rail vehicle. 98,125; Jan. 7.
Remington Rand Inc. (See Landsiedel, Walter W., assignor.)
Richardson Company, The. (See Riesor, Oliver O., assignor.)
Riesor, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery can. 98,087; Jan. 7.
Riesor, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery can. 98,088; Jan. 7.
Rittenberg, Arnold S., New Rochelle, N. Y. Clock. 98,089; Jan. 7.
Rosenau Bros. (See Hubert, Rene, assignor.)
Rosenthal, William, assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Brassiere. 98,090; Jan. 7.
Schwartz, Benjamin D., Brooklyn, N. Y. Shoe. 98,091; Jan. 7.
Schwartz, Emil, New York, N. Y. Ensemble dress. 98,117; Jan. 7.
Schwartz, Emil, New York, N. Y. Ensemble dress. 98,118; Jan. 7.
Sherman, Jacob S., Chicago, Ill. Powder belt or similar article. 98,092; Jan. 7.
Silk, Louis A., New York, N. Y. Embroidered fabric. 98,093; Jan. 7.
Silk, Louis A., New York, N. Y. Embroidered fabric. 98,094; Jan. 7.
Stanley Works, The. (See Volz, Frederick A., assignor.)
Steckler, Nat P., New York, N. Y. Bar drum protector. 98,096; Jan. 7.
Steckler, Nat P., New York, N. Y. Combination bottle and dropper. 98,119; Jan. 7.
Steel Kitchens Corporation. (See Block, Samuel J., assignor.)
Steffens, George V., Clayton, Mo. Beverage cooler. 98,098; Jan. 7.
Swanson, Ralph W., Mount Pleasant, Mich. Wall cabinet. 98,097; Jan. 7.
Thwaits, Frederick G., Wauwatosa, assignor to The Bell Co., Milwaukee, Wis. Tank vehicle. 98,125; Jan. 7.
Volz, Frederick A., assignor to The Stanley Works, New Britain, Conn. Casing for flexible measuring rule. 98,095; Jan. 7.
Walsh, John J., Maplewood, assignor to Milton Shoe Company, St. Louis, Mo. Buckle. 98,099; Jan. 7.
Wedgwood, Josiah, & Sons, Inc., of America. (See Goodwin, John E., assignor.)
Wehrle Company, The. (See Pickup, George E., assignor.)
Weissman, Beth, New York, N. Y. Lamp base or similar article. 98,100; Jan. 7.
Western Clock Company. (See Blow, George W., assignor.)
Wiener, Joseph D., New York, N. Y. Lace. 98,127; Jan. 7.
Wiener, Joseph D., New York, N. Y. Lace. 98,128; Jan. 7.
Wiener, Joseph D., New York, N. Y. Lace. 98,129; Jan. 7.
Wiener, Joseph D., New York, N. Y. Lace. 98,130; Jan. 7.
Wiener, Joseph D., New York, N. Y. Lace. 98,131; Jan. 7.
Wiener, Joseph D., New York, N. Y. Lace. 98,132; Jan. 7.
Winter & Co. (See Zaiser, William, assignor.)
Wright, Harland F., Woodside, N. Y. Buckle. 98,101; Jan. 7.
Zaiser, William, Rockville Centre, N. Y., assignor to Winter & Co. Upright piano. 98,102; Jan. 7.
Zaiser, William, Rockville Centre, N. Y., assignor to Winter & Co. Upright piano. 98,103; Jan. 7.
Zaiser, William, Rockville Centre, N. Y., assignor to Winter & Co. Upright piano. 98,104; Jan. 7.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abramson, John H., and H. C. Swanson, assignor to Greenlee Bros. & Co., Rockford, Ill. Tubular boring tool. 2,027,130; Jan. 7.
Adams, John H., Seattle, Wash. Nonslipping hairpin. 2,026,706; Jan. 7.
Agfa Ansco Corporation. (See Goldhammer, Leo., assignor.)
Agfa Ansco Corporation. (See Kipphan, Karl, assignor.)
Air-Way Electric Appliance Corporation. (See Riebel, Frederick, Jr., assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Brynhildsen, C., and Kern, assignors.)
Alabama Asphaltic Limestone Company. (See Counselman, Joseph H., assignor.)
Alexander Wacker, Dr., Gesellschaft fur Electrochemische Industrie, G. m. b. H. (See Gruber, Wolfgang, assignor.)
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Torque amplifying system. 2,027,140; Jan. 7.
Alfreda, Torris H., assignor to H. J. Taylor, Park Ridge, Ill. Emulsifying apparatus. 2,026,604; Jan. 7.
Aliano, Peter, assignor of 40 percent to J. Miles, Brooklyn, N. Y. Automobile body. 2,027,141; Jan. 7.
Allen, Charles B., Arvada, Colo. Door opening and closing device. 2,026,956; Jan. 7.
Allen, Edgar W., Elden, Mo. Storage battery. 2,027,982; Jan. 7.
Alley, John D., Pittsburgh, Pa., assignor to American Brakeblok Corporation, New York, N. Y. Making composition friction elements. 2,016,767; Jan. 7.
Allis-Chalmers Manufacturing Company. (See Newhouse, Ray C., assignor.)
Allis-Chalmers Manufacturing Company. (See Wilkinson, Nathan, assignor.)
Allison, John T. (See Cleveland, C. H., Heine, and Allison.)
Allison, Kenneth C. (See Dressel, H. M., and Allison.)
Allison, Sewell W., West Orange, N. J., and J. B. McKim, Douglas Manor, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 2,027,142; Jan. 7.
Almen, John O. (See Wood, W. A., and Almen.)
Aluminum Company of America. (See Dean, W. A., and Janeura, assignors.)
Aluminum Company of America. (See Fink, William L., assignor.)
Aluminum Company of America. (See Hopkins, Howard L., assignor.)
Aluminum Company of America. (See Kempf, L. W., and Dean, assignors.)
Amco, Incorporated. (See Geer, Paul L., assignor.)
American Brakeblok Corporation. (See Alley, John D., assignor.)
American Can Company. (See Beck, Neils P., assignor.)
American Can Company. (See Foss, Fred G., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Can Company. (See Taylor, William R., assignor.)
American Can Company. (See Young, John M., assignor.)
American Cyanamid & Chemical Corporation. (See Harding, W. H., and Montgomery, assignors.)
American Fixture & Showcase Manufacturing Company. (See Schott, Peter, Jr., assignor.)
American Hyalsol Corporation. (See Bertsch, Heinrich, assignor.)
American Lurgi Corporation. (See Debesh, Carl P., assignor.)
American Seating Company. (See Barrett, Glenn J., assignor.)
American Smelting and Refining Company. (See Fleming, Edward P., assignor.)
American Steel Foundries. (See Hodgsock, William C., assignor.)
American Stove Company. (See Stockstrom, A., and Brodbeck, assignors.)
American Telephone and Telegraph Company. (See Mitchell, Dorse, assignor.)
American Telephone and Telegraph Company. (See Stone, John S., assignor.)
American Television Laboratories, Inc. (See DeForest Lee, assignor.)
Anderson Boyes & Company Limited. (See Pascoe, E. F., Hornsby, and Harrison, assignors.)
Anderson, Lewis H., assignor to Standard Oil Company, Chicago, Ill. Barrel seal. 2,027,143; Jan. 7.
Antisell, Frank L., Wilkinsburg, assignor to Copperweld Steel Company, Glassport, Pa. Working and treating metals. 2,026,866; Jan. 7.
Antogiovanni, Ugo. (See Dumble, William H., assignor.)
Archer, Sylvanus M. (See Bennett, M. D., and Archer.)
Arrington, Arthur P., Willoughby, assignor to The Euclid Road Machinery Company, Euclid, Ohio. Axle unit. 2,027,218; Jan. 7.
Aronson, Meyer L., assignor of one-half to W. Sachs, Hartford, Conn. Attachment for rulers. 2,026,768; Jan. 7.
Arther, James H. (See Belter, D. I., and Arthur.)
Associated Electric Laboratories, Inc. (See McCarthy, Daniel J., assignor.)
Athey Truss Wheel Co. (See Kuehar, Joseph, assignor.)
Atkinson, Ernest, Toronto, Ontario, Canada. Insect trap. 2,027,011; Jan. 7.
Atlantic Refining Company, The. (See Birkhimer, Edwin R., assignor.)
Attick, Purdy E., and J. J. Bosshard, Chicago, assignors to Brasco Manufacturing Company, Harvey, Ill. Store front construction. 2,027,061; Jan. 7.
Atwood, Francis C., Newton, Mass. Producing mica products. 2,027,062; Jan. 7.
Austin, Walter M., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,027,219; Jan. 7.
Austro-Daimler-Puchwerke A. G. (See Hacker, Oskar, assignor.)
Austro-Daimler-Puchwerke A. G. (See Hacker, Oskar, assignor.)
Automatic Products Corporation. (See Wetsel, Theodore A., assignor.)
Automatic Sprinkler Company of America. (See Lowe, H. A., and Hamilton, assignors.)
Bach, Neils P., Geneva, assignor to American Can Company, New York, N. Y. Can feeding mechanism. 2,026,811; Jan. 7.
Back, Alfred, Reichenberg, Czechoslovakia, and J. Krautschneider, Hudson Bay Junction, Saskatchewan, Canada. Continuously variable change-speed gear. 2,026,928; Jan. 7.
Backs, John C., Howell, Mich. Heater and ventilator for motor vehicles. 2,026,929; Jan. 7.
Baer, John M., assignor to The Guardite Corporation, Chicago, Ill. Container. 2,027,083; Jan. 7.
Bahr-Manning Corporation. (See Schacht, Elmer C., assignor.)
Baka, Louis E., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Formation of lauge compounds. 2,027,144; Jan. 7.
Baker, Donald J., Hartford, Conn. Television system and method. 2,026,725; Jan. 7.
Baker Ice Machine Co. Inc. (See Schneider, Albert E., assignor.)
Baldwin Southwark Corporation. (See Neeson, Charles R., assignor.)
Balfour L. G. Company. (See Niven, H. A., and Kilf, assignors.)
Ball, Charles A., assignor to Chicago Belting Company, Chicago, Ill. Apparatus for treating adhesive. 2,026,726; Jan. 7.
Barber-Colman Company. (See Sadtler, Chester B., assignor.)
Becker, Frederic R., Georgetown, Mass. Pencil. 2,026,815; Jan. 7.
Barnes, William B., Indianapolis, Ind. Oiling means for planetary transmission. 2,027,012; Jan. 7.
Barnes, William R., Indianapolis, Ind. Transmission. 2,027,013; Jan. 7.
Barnhart, George E., Pasadena, Calif. Airfoil construction. 2,026,727; Jan. 7.
Barnhart, George E., Pasadena, Calif. Airfoil construction for airplanes. 2,026,728; Jan. 7.
Barrett Company, The. (See Eckert, Clarence R., assignor.)
Barrett Company, The. (See Moses, F. G., Hess, and Perkins, assignors.)
Barrett, Glenn J., assignor to American Seating Company, Grand Rapids, Mich. Supporting rack. 2,026,858; Jan. 7.
Barthing, Hermann, Bielefeld, Germany. Row of houses with displaced gangways. 2,026,864; Jan. 7.
Bashor, Julius D., Port Jervis, N. Y. Carburetor. 2,027,268; Jan. 7.
Baskin, Edwin T., Kansas City, Mo. Three fingered mitten. 2,027,084; Jan. 7.
Basnick Company, The. (See Logie, Thomas T., assignor.)
Bates, Ralph L., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Valve for shock absorbers. 2,026,760; Jan. 7.
Bauer, Ernest K., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Hand spreader for placing an adhesive on the back of carpets and rugs. 2,027,221; Jan. 7.

Batchman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric cable. 2,027,222; Jan. 7.

Bauroth, Walter J., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Fuse and switch receptacle. 2,026,927; Jan. 7.

Bausch & Lomb Optical Company. (See Bausch, William, assignor.)

Bausch, William, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Making ophthalmic lenses. 2,026,606; Jan. 7.

Baynes, Edward C., Birmingham, Mich. Sheet metal nut and making same. 2,026,889; Jan. 7.

Beasley, Charles B., San Diego, Calif. Reel. 2,026,965; Jan. 7.

Becker, Bernard C. (See White, H. B., and Becker.)

Becker, Karl, Berlin-Steglitz, K. Schröter, Berlin-Lichtenberg, and H. Wolf, Berlin, Germany, assignors, by mesne assignments, to General Electric Company, Schenectady, N. Y. Sintered hard metallic alloy. 2,026,958; Jan. 7.

Beebe, Jesse, Tulsa, Okla. Sight attachment for car or other tanks. 2,027,145; Jan. 7.

Beechey, Horace G. St. V. (See Morrell, S. T., and Beechey.)

Behlmer, Otto, Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Making gasoline. 2,027,014; Jan. 7.

Behr-Manning Corporation. (See Buckner, Orville S., assignor.)

Behr-Manning Corporation. (See Schacht, Elmer C., assignor.)

Bekemans, Joseph A. (See Jackson, T. J., and Bekemans.)

Bell, David. (See Wallace, W. E., and Bell.)

Bell, Gertrude F., administratrix. (See Bell, Walter M., assignor.)

Bell Laboratories, Incorporated. (See Harrison, Henry C., assignor.)

Bell Punch Printing Company. (See Webb, Christopher F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Allison, S. W., and McKim, assignors.)

Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Lalico, Joseph P., assignor.)

Bell Telephone Laboratories, Incorporated. (See Myers, Oscar J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Powell, Albert C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Smythe, Edwin H., assignor.)

Bell, Walter M., deceased, Chicago, Ill., G. F. Bell, administratrix of said Walter M. Bell, assignor to G. F. Bell. Pump. 2,027,015; Jan. 7.

Benade, Walther, Dessau-in-Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Pyrazolone azo dyes and their production. 2,026,861; Jan. 7.

Bender, Carl, Cologne-Lindenthal, Germany. Grip mechanism for cableways. 2,026,960; Jan. 7.

Bendix Aviation Corporation. (See Carbonara, Victor E., assignor.)

Benham, Frank L., assignor to Ohio Seamless Tube Company, Shelby, Ohio. Apparatus for reducing and elongating tubes. 2,026,666; Jan. 7.

Bennett, Alexander H., London, England. Manufacture of acid calcium citrate. 2,027,264; Jan. 7.

Bennett, Maurice D., and H. M. Archer, assignors to The Yale & Towne Mfg. Co., Stamford, Conn. Safe. 2,027,362; Jan. 7.

Bennett, Theodore A., Chicago, Ill. Antigunmeter. 2,026,607; Jan. 7.

Benson, George O., Niagara Falls, N. Y. Clamping device. 2,027,220; Jan. 7.

Bergman, George W., Evanston, Ill. Signal. 2,026,770; Jan. 7.

Bertsch, Heinrich, Chemnitz, Germany, assignor, by mesne assignments, to American Hyalsol Corporation, Wilmington, Del. Soap preparation. 2,026,816; Jan. 7.

Bertsch, Heinrich, assignor to H. Th. Böhme, Aktiengesellschaft, Chemnitz, Germany. Process for the making of dye baths and printing colors for naphthol dyeing. 2,026,817; Jan. 7.

Bigelow-Sanford Carpet Co. (See Bauer, Ernest K., assignor.)

Bigelow-Sanford Carpet Co. Inc. (See Phoenix, Ernest T., assignor.)

Bingham, Eugene C., Easton, Pa. Window construction. 2,027,016; Jan. 7.

Bircher Co., The. (See Keiser, Arthur J., assignor.)

Birkhimer, Edwin R., assignor to The Atlantic Refining Company, Philadelphia, Pa. Hydrocarbon oil treatment. 2,026,812; Jan. 7.

Bishop & Babcock Sales Company, The. (See Koepke, Edward C., assignor.)

Bispham, Mabel A., Los Angeles, Calif. Fastening device. 2,026,930; Jan. 7.

Bissell, Carey K. (See Bissell, James E., and C. K.)

Bissell, James E., Brooklyn, N. Y., and C. K. Bissell, Elizabeth, N. J. Salting edible nuts. 2,026,818; Jan. 7.

Björklund, Alrik. (See Flisberg, E. A. M., and Björklund.)

Black, William A., New Richmond, Wis. Barrel truck. 2,027,265; Jan. 7.

Blandon Manufacturing Company, The. (See Myers, Don D., assignor.)

Black, Grayton K. (See Smith, F. H., and Black.)

Blatch, Francis H. (See Mennie, W. C., and Blatch.)

Blumenfeld, Joseph, Paris, France, and M. Hajny, Kralupy nad Czechoslovakia, assignors to Krebs Pigment & Color Corporation, Newark, N. J. Preparation of titanium pigments. 2,026,867; Jan. 7.

Bly, Ernest W., and H. H. Latey, Cleveland, Ohio. Nut reaming machine. 2,027,168; Jan. 7.

Bogaty, Hermann S., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Conveyer structure. 2,027,200; Jan. 7.

Bögemann, Max, Cologne-Mülheim, assignor to J. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Nitrogenous sulphonic acids and process of producing same. 2,026,969; Jan. 7.

Böhme, H. Th., Aktiengesellschaft. (See Bertsch, Heinrich, assignor.)

Bilmer, Henry, Jr., Woodbury Heights, and S. S. Lippincott, Palmyra, assignors to "Penlastic" Gasket Co., Camden, N. J. Gasket centering means. 1,927,284; Jan. 7.

Bonney, William H., Grosse City, Oreg. Liquid dispensing device. 2,026,818; Jan. 7.

Bonnhard, John J. (See Attick, P. E., and Bonnhard.)

Boston Machine Works Company. (See Capwell, Walter P., assignor.)

Boutwick, Myron A., Spokane, Wash., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Direct trip device. 2,027,221; Jan. 7.

Boswell, Maitland C., Toronto, Ontario, Canada. Preparing a catalyst for the reduction of sulphur dioxide. 2,026,819; Jan. 7.

Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Compound cylinder. 2,027,267; Jan. 7.

Bradley, Eric M., Cincinnati, assignor to National Pumps Corporation, Dayton, Ohio. Liquid dispensing apparatus. 2,026,950; Jan. 7.

Bradley Lumber Company of Arkansas. (See Blackwell, Byrd C., assignor.)

Braibanti, Giuseppe. (See Braibanti, Mario and G.)

Braibanti, Mario and G., Milan, Italy. Machine for preparing pastes. 2,026,967; Jan. 7.

Branch, Leslie R. T., Ilford, England, assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture camera and projector. 2,026,960; Jan. 7.

Brandtjen & Kluge, Inc. (See Kluge, Abel and E., assignors.)

Brasco Manufacturing Company. (See Attick, P. E., and Bonnhard, assignors.)

Brashears, Maurice L., Washington, D. C. Card holder. 2,027,060; Jan. 7.

Bray, Ulric E., Los Angeles, and C. H. Swift, Glendale, assignors to Union Oil Company of California, Los Angeles, Calif. Production of lubricating oil. 2,026,722; Jan. 7.

Brehmer, Gebrüder. (See Kleinschmitt, O., and Muller.)

Brett, George P., Leeds, England, assignor to Radio Corporation of America. Electrical oscillation generator. 2,027,011; Jan. 7.

Briggs Manufacturing Company. (See Marshall, William, assignor.)

Brigham, Edmund H. (See Stever, O. H., and Brigham.)

Bright Star Battery Company. (See Corigliano, P., and Platzman, assignors.)

Brinkman, Louis H., Glen Ridge Borough, N. J. Corrugating machine. 2,027,013; Jan. 7.

British Steel Piling Company, The. (See Wilcox, Duncan M., assignor.)

Brodbeck, Elmer H. (See Stockstrom, A., and Brodbeck.)

Brodsky, Milton. (See Goeltz, W. L., and Brodsky.)

Brodt, Mercedes K., Lakewood, Ohio. Pad and cover. 2,026,961; Jan. 7.

Brookby, Andrew C., Mount Morris, Mich. Reversible name plate and holder. 2,027,096; Jan. 7.

Brown, George D., and G. M. Myers, Rusty Glo, Pa. Safety switch. 2,026,962; Jan. 7.

Brown, L. J. (See Jeffries, Orea L., assignor.)

Brunen, Herman A., and L. W. Cavert, assignors to Rohm & Haas Company, Philadelphia, Pa. Hydroaromatic alcohol. 2,026,969; Jan. 7.

Bryant, Roy B., Dallas, Tex. Automatic phonograph. 2,026,836; Jan. 7.

Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Scale. 2,027,019; Jan. 7.

Brynhildsen, Christen, Baden, and B. Kern, Ennetbaden, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electron discharge device control system. 2,026,771; Jan. 7.

Buck, Richard C., Yonkers, N. Y. Window shade. 2,026,669; Jan. 7.

Buckner, Orville S., Westboro, Mass., assignor to Behr-Manning Corporation, Troy, N. Y. Abrasive sheet and making the same. 2,027,067; Jan. 7.

Budd Wheel Company. (See Farr, Warren H., assignor.)

Bullinger, Wilhelm K. (See Miller, Ralph W., assignor.)

Burke, Ethyln M. (See Burke, John E., assignor.)

Burke, John E., assignor to H. M. Burke, Fond du Lac, Wis. Hanger for playground swings. 2,026,670; Jan. 7.

Burns, Charles E., assignor to Vanity Fair Silk Mills, Reading, Pa. Warp knit girdle with integral supporting panels. 2,026,962; Jan. 7.

Burns, Edward Lee Angeles, and H. P. Wickersham, Huntington Park, Calif. Balancable pivoting seat. 2,026,981; Jan. 7.

Buse, Edwin G., and E. W. Gibson, assignors to Chicago Railway Equipment Company, Chicago, Ill. Third point support shoe. 2,027,147; Jan. 7.

Butterfield, Emory H., Davenport, Iowa, assignor of one-half to Leland K. Ford, Chicago, Ill. Metal lacing. 2,026,671; Jan. 7.

Byers, Horace G. (See Scott, W., and Byers.)

Byron-Jackson Co. (See Chesnut, J. D., and Herrel, assignors.)

Cairns, Edward, Mountclair, N. J. Cabinet for collapsible tubes. 2,026,864; Jan. 7.

Calafati, Salvator S., Jr., et al. (See Calafati, Salvator S., assignor.)

Calafati, Salvator S., assignor of three-fourths to S. S. Calafati, Jr., and one-fourth to J. M. Cole, New York, N. Y. Roof construction. 2,026,699; Jan. 7.

Calco Chemical Co., Inc., The. (See Johnson, Edward S., assignor.)

Calcyanide Products Corporation. (See Hinds, William W., assignor.)

Caldwell, Frank W., West Hartford, and H. Martin, Hartford, Conn., assignors to United Aircraft Corporation. Propeller control mechanism. 2,026,814; Jan. 7.

Cameron, Donald R. (See Hale, G. C., and Cameron.)

Campbell, John, and E. G. Quinn, Glens Falls, assignors to International Paper Company, New York, N. Y. Producing a cellulose product. 2,026,969; Jan. 7.

Cannon, John W., Plainfield, N. J. Oil burner. 2,026,970; Jan. 7.

Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Film for color photography. 2,026,964; Jan. 7.

Carbonara, Victor E., Rockville Center, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Altimeter. 2,027,068; Jan. 7.

Carmody, William H. (See Rockwell, C. A., and Carmody.)

Carpenter, Marion S., Nutley, and M. C. Kunz, Montclair, N. J., assignors to Givaudan-Delawanna, Inc., New York, N. Y. Preparation of protocatechuic aldehyde. 2,027,149; Jan. 7.

Carr, J. K., et al. (See Rogers, Clifford H., assignor.)

Carraway, Marshall L., Malvern, Ark. Swing. 2,027,089; Jan. 7.

Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Directional antenna. 2,027,020; Jan. 7.

Carter, William W., Needham, assignor to Brayton Motion, Fall River, Mass. Supporting matter in manufactured material. 2,027,090; Jan. 7.

Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 2,027,091; Jan. 7.

Candor, Robert R., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,027,223; Jan. 7.

Cawley, Aloysius J., Pittston, Pa. Television apparatus. 2,026,610; Jan. 7.

Celanese Corporation of America. (See Khanolia, K., and Ward, assignors.)

Celanese Corporation of America. (See Olpin, Henry C., assignor.)

Celanese Corporation of America. (See Stafford, Charles E., assignor.)

Chadwick, Lee R., Shaker Heights Village, M. Resek, Cleveland Heights, and J. A. Dahlstrom, Ray Village, assignors to Perfection Stove Company, Cleveland, Ohio. Thermostatically adjusted draft regulator. 2,026,864; Jan. 7.

Chandler & Price Company, The. (See Tyler, H. K., and Reichart, assignors.)

Chase Companies, Incorporated, The. (See Surfleet, Morris E., assignor.)

Chase, Theron P., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Composite piston. 2,026,611; Jan. 7.

Chase, Theron P., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Manufacture of composite pistons. 2,026,612; Jan. 7.

Checchi, Samuel J. (See Dunkle, William H., assignor.)

Chesnut, John D., and H. K. Herrel, assignors to Byron-Jackson Co., Los Angeles, Calif. Tong. 2,026,514; Jan. 7.

Chicago Belting Company. (See Ball, Charles A., assignor.)

Chicago Flexible Shaft Company. (See McArdle, M. W., and Jeppesen, assignors.)

Chicago Forging & Manufacturing Co. (See Myers, Norton A., assignor.)

Chicago Railway Equipment Company. (See Bonse, R. G., and Ekholm, assignors.)

Chireix, Henri, and R. Villem, assignors to Compagnie Generale de Telegraphie Sans Fil, Paris, France. Secrecy system. 2,026,613; Jan. 7.

Christensen, Wiels A., South Euclid, Ohio. Power cylinder. 2,026,672; Jan. 7.

Christian, Joseph D., San Francisco, Calif. Electric power unit. 2,027,149; Jan. 7.

Cincinnati Time Recorder Company, The. (See Streckfuss, Elmer G., assignor.)

Cisor, Benjamin F., Los Angeles, Calif. Combination fork. 2,026,932; Jan. 7.

Claassen, Alois A., assignor of one-half to J. L. Hyland, Chicago, Ill. Treating matter, steel. 2,027,300; Jan. 7.

Clark, Gabriel, trustee, et al. (See Loveridge, F. H., and Smythe.)

Clarke, Louis A., Pinhill, assignor to The Texas Company, New York, N. Y. Solvent refining with nitro-alcohols. 2,027,354; Jan. 7.

Cleghorn, Albert E., Brooklyn, assignor to Travatex Products Corporation, New York, N. Y. Manufacture of decoratively colored articles. 2,027,021; Jan. 7.

Cleveland, Charles M., C. A. Heine, and J. T. Allison, Minneapolis, Minn. Apparatus for renewing worn valve seats. 2,026,821; Jan. 7.

Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Antioxidant. 2,026,817; Jan. 7.

Close, Isaac H., Oakland, Calif. Spark plug. 2,026,912; Jan. 7.

Clouse, William L., assignor to The National Machinery Company, Tiffin, Ohio. Bolt making machine. 2,026,823; Jan. 7.

Coffey, Samuel, and J. B. Schofield, Huddersfield, England, assignors to Imperial Chemical Industries Limited. Derivatives of urea. 2,027,150; Jan. 7.

Cole, John M., et al. (See Calafati, Salvator S., assignor.)

Columbus McKinnon Chain Corporation. (See Stahl, F. E., and Waterstrat, assignors.)

Compagnie Generale de Telegraphie Sans Fil. (See Chireix, H., and Villem, assignors.)

Compagnie Generale de Telegraphie Sans Fil. (See Ponte, Maurice, assignor.)

Compton, Charles A., Menlo Park, Calif. Oil filter for restaurants. 2,026,867; Jan. 7.

Conklin, James W., Rocky Point, N. Y., assignor to Radio Corporation of America. Fading elimination. 2,027,022; Jan. 7.

Continental Optical Company. (See Lauber, J. A., and Schupaack, assignors.)

Conway, Martin J., Coatesville, Pa. Apparatus for making open-hearth steel. 2,027,151; Jan. 7.

Conselman, Joseph H., assignor to Alabama Asphaltic Limestone Company, Birmingham, Ala. Paving composition and producing same. 2,026,614; Jan. 7.

Cook Paint & Varnish Company. (See Heck, Adolf, assignor.)

Cook Paint & Varnish Company. (See Heck, Adolf, assignor.)

Cooper-Bessemer Corporation. (See Gehres, Hewitt A., assignor.)

Cooper, Ellis W., Los Angeles, Calif. Cable clamp. 2,026,824; Jan. 7.

Cooper, Glenn A., assignor to Cruver Manufacturing Company, Chicago, Ill. Method and apparatus for converting solid articles into tubular structures. 2,027,152; Jan. 7.

Copperweld Steel Company. (See Antheil, Frank L., assignor.)

Corigliano, Peter, St. Albans, and L. Platzman, Brooklyn, N. Y., assignors to Bright Star Battery Company, Hoboken, N. J. Dry cell. 2,026,615; Jan. 7.

Cornell, Edward S., Jr., Larchmont, N. Y. One-handed lip stick. 2,026,868; Jan. 7.

Cornell Iron Works, Inc. (See Cornell, Milton L., assignor.)

Cornell, Milton L., New York, assignor to Cornell Iron Works, Inc., Long Island City, N. Y. Overhead-acting gille. 2,027,153; Jan. 7.

Coulter, James, Bridgeport, Conn. Multiple spindle boring machine. 2,027,023; Jan. 7.

Coupland, Richard C., United States Army, Norfolk, Va. Trigger motor. 2,026,518; Jan. 7.

Covert, Lloyd W. (See Bruson, H. A., and Covert.)

Cromar Co., The. (See Dittmar, Irvin F., assignor.)

Crouman, Loring P., Maplewood, assignor to Gardner Company, Orange, N. J. Paper guide device. 2,026,860; Jan. 7.

Cramaine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Automatic film stop for cameras. 2,027,332; Jan. 7.

Cramaine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Camera construction. 2,027,333; Jan. 7.

Cruver Manufacturing Company. (See Cooper, Glenn A., assignor.)

Curran, Charles W., and W. H. Funk, Spokane, Wash. Signal. 2,026,963; Jan. 7.

Curtis, Harry A., Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala. Apparatus for making phosphoric acid. 2,026,510; Jan. 7.

Cushing, Abraham D., Woodsville, N. H. Finger cuff. 2,026,966; Jan. 7.

Dahlstrom, John A. (See Chadwick, L. R., Resek, and Dahlstrom.)

Daimler-Benz Aktiengesellschaft. (See Nallinger, Fritz, assignor.)

Dalton, Samuel J., Jackson, Miss. Traffic stripe machine. 2,026,670; Jan. 7.

Dana, Carl L., Milwaukee, Wis., assignor of one-half to W. F. Dana, Saginaw, Mich., and one-half to L. R. and M. A. Smith, Wauwatosa, Wis. Lubricator. 2,027,024; Jan. 7.

Dana, William F., et al. (See Dana, Carl L., assignor.)

David, Bruce W., Cleveland Heights, assignor to R. H. Kinkead, Shaker Heights, Ohio. Indicating device for arc welding. 2,027,224; Jan. 7.

Davies, Emyr C. (See Powell, A. M., and Davies.)

Deutschen Hydrierwerke Aktiengesellschaft. (See Schranth, Walther, assignor.)

Davis, James H., and J. C. Lemming, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Making a pivot bearing. 2,026,774; Jan. 7.

Davis, Jesse H., Baltimore, Md. Preserving grain in storage. 2,027,268; Jan. 7.

Davis, Joseph R., Clarksburg, W. Va. Internal combustion engine. 2,026,536; Jan. 7.

Dean, Walter A. (See Kempf, L. W., and Dean.)

Dean, Walter A., and C. G. Jancura, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,549; Jan. 7.

Dean, Walter A., and C. G. Jancura, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,550; Jan. 7.

Dean, Walter A., and C. G. Jancura, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,577; Jan. 7.

Dean, Walter A., and C. G. Jancura, Cleveland, Ohio, assignors to Aluminum Company of America, New Kensington, Pa. Free cutting alloys. 2,026,578; Jan. 7.

Dean, Walter A., and C. G. Jancura, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,579; Jan. 7.

De Boer, Jan H., and M. C. Teves, Eindhoven, Netherlands, assignors to Radio Corporation of America. Photo-electric device. 2,027,025; Jan. 7.

Debuch, Carl P., Frankfort-on-the-Main, Germany, assignor to American Largi Corporation, New York, N. Y. Sulphating the non-ferrous metals contained in ferruginous sulphide ores or roasts. 2,026,776; Jan. 7.

Dedmon, Arthur N., Milan, Tenn. Collapsible crate. 2,026,871; Jan. 7.

Deere & Company. (See Neighbour, Leonard R., assignor.)

De Florez, Luis, Pomfret, Conn., assignor to The Texas Company, New York, N. Y. Treatment of hydrocarbon oils. 2,027,324; Jan. 7.

De Forest, Lee, Hollywood, Calif., assignor to American Television Laboratories, Inc. Television receiving method and apparatus. 2,026,872; Jan. 7.

De Land, Earl, West Eaton, N. Y. Pulley attachment. 2,026,673; Jan. 7.

De Laney, Wallace W., assignor to The Seamless Rubber Company, Inc., New Haven, Conn. Self-lubricating inflating needle. 2,026,963; Jan. 7.

Dequer, John H., Los Angeles, Calif. Device for milling and separating ores. 2,026,835; Jan. 7.

Derman, Harry, Laurelton, L. I., N. Y. Cabinet, chest, and the like. 2,027,154; Jan. 7.

De Rose, Ralph, New York, N. Y. Ornament. 2,026,934; Jan. 7.

Dery, Wilfred G. (See Keller, H. H., and Dery.)

Devers, Philip K., Lynn, Mass., assignor to General Electric Company. Apparatus for and method of fusing vitreous material. 2,027,155; Jan. 7.

Devine, James H., Ste. Genevieve, assignor to Dev-Insular Company, St. Louis, Mo. Lunch box. 2,026,967; Jan. 7.

Dev-Insular Company. (See Devine, James H., assignor.)

De Weert, Henry. (See Jenswold, G. M., and De Weert.)

Dike, Paul H., assignor to Leeds & Northrup Company, Philadelphia, Pa. Precision resistance. 2,026,616; Jan. 7.

Dillon, Hugh J., Highland Park, Mich. Frameless tank vehicle. 2,026,626; Jan. 7.

Dillon, Hugh J., Highland Park, Mich. Transmission mechanism. 2,026,627; Jan. 7.

Dirkes, Robert F., Jamaica, N. Y., and E. R. Wheeler, North Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Control means for telegraph printers and projectors. 2,027,026; Jan. 7.

Dittmar, Irvin F., assignor to The Cromar Co., Williamsport, Pa. Machine for coating stripe of lumber. 2,026,521; Jan. 7.

Dopp, Frank B., St. Louis, Mo., assignor to Perma Corporation. Work support for a lasted shoe. 2,027,027; Jan. 7.

Dowden, William L., Brooklyn, N. Y., assignor to Radio Corporation of America. Apparatus for making composite talking motion pictures. 2,027,028; Jan. 7.

Douglas, James K., assignor to The Oilgear Company Milwaukee, Wis. Hydraulic transmission. 2,026,776; Jan. 7.

Dowell, Alvin Y., Hastings-on-Hudson, assignor to Servel, Inc., New York, N. Y. Combination receptacle for refrigerators. 2,027,062; Jan. 7.

Downs, Charles R., Old Greenwich, Conn., assignor to Weiss and Downs, Inc., New York, N. Y. Method and apparatus for conditioning air. 2,026,935; Jan. 7.

Downs, Charles R., Old Greenwich, Conn., assignor to Weiss and Downs, Inc., New York, N. Y. Method and apparatus for conditioning air. 2,026,936; Jan. 7.

Downs, Charles R., Old Greenwich, Conn., assignor to Weiss and Downs, Inc., New York, N. Y. Deodorized calcium chloride. 2,027,063; Jan. 7.

Downs, Charles R., Old Greenwich, Conn., assignor to Weiss and Downs, Inc., New York, N. Y. Method and apparatus for dehumidifying air. 2,027,064; Jan. 7.

Drath, Paul. (See Hope, E. N., and Drath.)

Dressel, Henry M., assignor to Oak Manufacturing Company, Chicago, Ill. Electrical apparatus. 1,956,779; Jan. 7.

Dressel, Henry M., Chicago, and K. C. Allison, Arlington Heights, assignors to Oak Manufacturing Company, Chicago, Ill. Electrical switch. 2,026,778; Jan. 7.

Dreyfus, Henry, London, England. Manufacture of artificial filaments or threads. 2,026,780; Jan. 7.

Dreyfus, Henry, London, England. Production of unsaturated hydrocarbons from paraffine. 2,026,781; Jan. 7.

Dumble, William H., East Bakersfield, assignor to Tip Antonioiovanni, Bakersfield, Calif. Automatic variable speed transmission. 2,026,777; Jan. 7.

Dumble, William H., Bakersfield, assignor of one-half to S. J. Checchi, Bakersfield, Calif. Fishing tool. 2,026,778; Jan. 7.

Dunn, William G., Clarinda, Iowa. Wind driven generator structure. 2,026,628; Jan. 7.

Dupler, Raymond R., Toledo, Ohio. Globe mounting. 2,027,150; Jan. 7.

Du Pont, E. I., de Nemours & Company. (See Rake, Lewis S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Engelmann, Max, assignor.)

Du Pont, E. I., de Nemours & Company. (See Etselmiller, Robert E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Irkman, Frank W., assignor.)

Du Pont, E. I., de Nemours & Company. (See Lester, Wilbur A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Scott, Herman D., assignor.)

Du Pont, E. I., de Nemours & Company. (See Smith, F. H., and Black, assignors.)

Dux, John E., Jacksonville, Fla. Softening bleached and dyed rosins. 2,026,878; Jan. 7.

Eastman Kodak Company. (See Branch, Leslie E. T., assignor.)

Eastman Kodak Company. (See Capstaff, John G., assignor.)

Eastman Kodak Company. (See Hughey, Carter J., assignor.)

Eastman Kodak Company. (See Crumrine, Chester W., assignor.)

Eastman Kodak Company. (See Lyman, Donald F., assignor.)

Eastman Kodak Company. (See Malm, Carl J., assignor.)

Eastman Kodak Company. (See Malm, C. J., and Fletcher, assignors.)

Eastman Kodak Company. (See Malm, C. J., and Fletcher, assignors.)

Eastman Kodak Company. (See McNally, J. G., and Sweet, assignors.)

Eastman Kodak Company. (See Stewart, Donald H., assignor.)

Eastman Kodak Company. (See Wittel, Otto, assignor.)

Eaton, Milton, Shawinigan Falls, Quebec, Canada. Preventing arcing of the contacts of electrical regulating instruments. 2,026,617; Jan. 7.

Eckert, Clarence R., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Self-spacing siding. 2,027,029; Jan. 7.

Edgerton Manufacturing Co., The. (See Hall, Omer L., assignor.)

Edson, Frank H., Baton Rouge, La., assignor to Standard Oil Development Company. Cracking process for hydrocarbon oils. 2,027,450; Jan. 7.

Edwards, Samuel H., Richmond, assignor to Standard Oil Company of California, San Francisco, Calif. Pressure still header. 2,026,674; Jan. 7.

Edwards, William A., Santa Barbara, Calif. Method and apparatus for controlling photographic exposure. 2,026,675; Jan. 7.

Egry Register, The. (See Pfeifer, William C., assignor.)

Einwaechter, Frederick H., Jr., West Hazlehurst, Md. Locomotive pilot, bumper, deck plate, and coupler structure. 2,027,200; Jan. 7.

Eisen, Jay B., Yonkers, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Container closure. 2,026,997; Jan. 7.

Elsener, Charles W., Chicago, Ill., assignor to Rotary Lift Company, Memphis, Tenn. Lift. 2,026,938; Jan. 7.

Eitel, William W., and J. McCullough, San Bruno, assignors to Heintz & Kaufman, Ltd., San Francisco, Calif. Keying circuit. 2,026,874; Jan. 7.

Eitzen, August D., assignor to News Projection Corporation, New York, N. Y. Stock quotation projecting device. 2,026,523; Jan. 7.

Ekholm, Herbert W. (See Bussa, H. G., and Ekholm.)

Elastic Stop Nut Corporation. (See Swanstrom, Arthur C., assignor.)

Electric Storage Battery Company, The. (See Smith, Edward W., assignor.)

Electrolux Corporation. (See Forsberg, Axel A., assignor.)

Ellinger, Flora, Milwaukee, Wis. Pie pan. 2,026,889; Jan. 7.

Ellis, Carleton, Montclair, and W. P. ter Horst, Wayne, N. J., assignors to Ellis-Foster Company, Bulphur containing plastic and mating same. 2,026,876; Jan. 7.

Ellis-Foster Company. (See Ellis, C., and ter Horst, assignors.)

Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Triacetine compound. 2,027,040; Jan. 7.

Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose compound. 2,027,041; Jan. 7.

Enterprise Aluminum Company. (See Smith, James M., assignor.)

Enterprise Aluminum Company, The. (See Krause, Richard F., assignor.)

Erdman, Earl H., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Strain release for wringers. 2,027,526; Jan. 7.

Erickson, Hjalmar, Bessemer Township, Gogebic County, Mich. Self-locking door operating mechanism. 2,026,878; Jan. 7.

Erling, Ralph, Alexandria, Va. Control of feed pressure devices. 2,027,556; Jan. 7.

Etselmiller, Robert E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters of N-P-Aminoaryl-carbamic acids and producing the same. 2,026,618; Jan. 7.

Etselmiller, Robert E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing N-p-Amino-aryl-Carbamic acids. 2,026,619; Jan. 7.

Euclid Road Machinery Company, The. (See Armington, Arthur F., assignor.)

Evans, Owen B., assignor to The United Gas Improvement Company, Philadelphia, Pa. Manufacture of carbureted water gas with heavy oil. 2,026,877; Jan. 7.

Everhard, Harry H., Canton, Ohio. Casement window screen. 2,026,880; Jan. 7.

Ewell, Charles C., Dyer, Tenn. Crate. 2,026,998; Jan. 7.

Exhibit Supply Company. (See McClellan, Herbert, assignor.)

Fairchild, Glen G. (See Leake, J. M., and Fairchild.)

Faith Mfg. Co. (See Faith, S., and Klaasterner, assignors.)

Faith, Stephen, and S. Klaasterner, assignors to Faith Mfg. Co., Chicago, Ill. Automobile accessory. 2,026,779; Jan. 7.

Farbenindustrie, I. G. Aktiengesellschaft. (See Lemmet, W., and Eckelmer, assignors.)

Farley, Joseph A., West Hartford, Conn. Pneumatic screwyer. 2,026,782; Jan. 7.

Farr, Edward A., assignor, by mesne assignments, to Manning Bowman & Co., Meriden, Conn. Sandwich tray and the like. 2,027,022; Jan. 7.

Farr, Warren H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Making brake drums. 2,026,878; Jan. 7.

Fast, Gustave, assignor to Gustave Fast Engineering Corporation, Annapolis, Md. Friction clutch. 2,026,783; Jan. 7.

Fast, Gustave, Engineering Corporation. (See Fast, Gustave, assignor.)

Feedrail Corporation. (See Glasgow, Ernest M., assignor.)

Fellers, Carl R., Amherst, Mass. Canning of crab meat. 2,027,270; Jan. 7.

Ferguson, Hugh J., Vancouver, British Columbia, Canada. Submarine drill. 2,026,579; Jan. 7.

Ferguson, John L., Joliet, Ill. Apparatus for pulling cereals. 2,026,734; Jan. 7.

Farnseh Aktien Gesellschaft. (See Schubert, Georg, assignor.)

Field, Arthur B., London, England. Production of negatives with photographic images thereon of enhanced quality. 2,027,271; Jan. 7.

Fiet, William L., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,551; Jan. 7.

Finn, Sydney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last manufacture. 2,026,620; Jan. 7.

Fisher Scientific Company. (See Matuszak, Maryan P., assignor.)

Fisher, Webster H. (See Malm, E. J., and Fisher.)

Fitz Gerald, Alan E., Wynnewood, Pa. Magnetic amplifier. 2,027,311; Jan. 7.

Fitz Gerald, Alan E., Wynnewood, Pa. Magnetic amplifying and control system. 2,027,312; Jan. 7.

Fitzgibbons Boiler Company. (See Lockett, John W., assignor.)

Flaws, John, Jr., Cleveland Heights, Ohio, assignor to General Electric Company. Detection device. 2,027,157; Jan. 7.

Fleming, Edward P., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Roasting sulphide ores. 2,026,621; Jan. 7.

Fleming, Edward P., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Roasting sulphide ores. 2,026,622; Jan. 7.

Fletcher, Charles L. (See Malm, C. J., and Fletcher.)

"Flexitallic" Gasket Co. (See Eshaner, E., Jr., and Lippincott, assignors.)

Flersher, Maurice H., and J. Ostlyn, Buffalo, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Vat dyestuff paste and producing the same. 2,026,623; Jan. 7.

Flieeberg, Erhard A. M., Appelvilken, Stockholm, and A. Björklund, Goteborg, Sweden; said Björklund assignor to said Fliesberg. Transmission gear. 2,026,880; Jan. 7.

Flood Company, The. (See Flood, E. D., and Hannum, assignors.)

Flood, Earl D., and J. A. Hannum, Cleveland Heights, assignors to The Flood Company, Cleveland, Ohio. Coating composition. 2,027,025; Jan. 7.

Flood, Herbert B., Cambridge, Ohio. Coffee making device. 2,027,272; Jan. 7.

Flower, Wesley H., East Liverpool, Ohio. Manufacture of earthenware. 2,026,624; Jan. 7.

Flynn, Edward D., New Rochelle, N. Y., assignor, by mesne assignments, to Oliver United Filters Incorporated, San Francisco, Calif. Treatment of sewage. 2,026,960; Jan. 7.

Ford, Eugene A., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Card analyzing machine. 2,027,033; Jan. 7.

Ford, Leland E. (See Butterfield, Emory E., assignor.)

Forlaw, Richard J., New York, N. Y. Exercising apparatus. 2,027,273; Jan. 7.

Forsberg, Axel A., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,027,158; Jan. 7.

Foss, Fred O., Hillside, N. J., assignor to American Can Company, New York, N. Y. Apparatus for packing. 2,026,523; Jan. 7.

Foster, Edwin E., Austin, Tex. Mechanical movement. 2,027,275; Jan. 7.

Foster, Edwin E., Austin, Tex. Ironing device. 2,027,274; Jan. 7.

Franklin Railway Supply Company. (See Roberts, Montague H., assignor.)

Fraser, Eugene B. (See Moore, Guy S., assignor.)

Frederick Post Company, The. (See Hinman, Walker M., assignor.)

French Oil Mill Machinery Co., The. (See Stacy, Thomas F., assignor.)

Frey, Howard A., assignor to Locke Insulator Corporation, Baltimore, Md. Fused grading shield. 2,027,301; Jan. 7.

Fridolph, Maude C., Los Angeles, Calif. Garment. 2,026,524; Jan. 7.

Frostad, George O., Cadaby, Wis., assignor, by mesne assignments, to Sutherland Paper Company, Kalamazoo, Mich. Method of and apparatus for performing mechanical operations on moving work. 2,026,790; Jan. 7.

Fuller, Thomas J. D., Jr., Cambridge, Mass. Edge-illuminated sign. 2,027,034; Jan. 7.

Fulton, Alden W., Kansas City, Mo. Gas burner construction. 2,027,159; Jan. 7.

Funk, William E. (See Currah, C. W., and Funk.)

Furay, Richard H., San Francisco, Calif. Vacuum tube oscillator. 2,027,160; Jan. 7.

Gagne, Gideon E., assignor to Snap-on Tools, Inc., Kenosha, Wis. Tube flaring tool. 2,027,161; Jan. 7.

Gair, Robert Company. (See Weiss, Arthur J., assignor.)

Galion Metallic Vault Company, The. (See Smith, Ralph E., assignor.)

Gardner, Company. (See Crossman, Loring P., assignor.)

Gasmold Sign Corporation. (See Piper, William B., assignor.)

Gaston, Donald H., Fort Wayne, Ind., assignor to General Electric Company. Refrigerator. 2,027,318; Jan. 7.

Geer, Paul L., assignor to Amco, Incorporated, Pittsburgh, Pa. Vertical glass annealing leer. 2,026,781; Jan. 7.

Gehres, Hewitt A., assignor to Cooper-Bessemer Corporation, Mt. Vernon, Ohio. Wrist pin bearing construction. 2,027,035; Jan. 7.

Geiger, Frederick, Drexel Hill, assignor to Wall & Ochs, Philadelphia, Pa. Chart display apparatus. 2,026,881; Jan. 7.

General Aniline Works, Inc. (See Muth, Friedrich, assignor.)

General Aniline Works, Inc. (See Schnitzspahn, Karl, assignor.)

General Aniline Works, Inc. (See Benade, Walther, assignor.)

General Aniline Works, Inc. (See Taube, C. and Hilger, assignors.)

General Electric Company. (See Alexanderson, Ernst F. W., assignor.)

General Electric Company. (See Widerše, Rolf, assignor.)

General Electric Company. (See Becker, K., Schröter, and Wolff, assignors.)

General Electric Company. (See Devers, Philip K., assignor.)

General Electric Company. (See Flaws, John, Jr., assignor.)

General Electric Company. (See Gaston, Donald H., assignor.)

General Electric Company. (See Kallenbach, George K., assignor.)

General Electric Company. (See Searing, Hudson R., assignor.)

General Electric Company. (See Starr, Frank M., assignor.)

General Electric Company. (See Wood, Alexander P., assignor.)

General Electric Corporation. (See McLachlan, Willard J., assignor.)

General Motors Corporation. (See Candor, Robert R., assignor.)

General Motors Corporation. (See Wood, W. A., and Almen, assignors.)

General Motors Corporation. (See Bates, Ralph I., assignor.)

General Motors Corporation. (See Chase, Thomas P., assignor.)

General Motors Corporation. (See Davis, J. H., and Leming, assignors.)

General Motors Corporation. (See Geyer, Harvey D., assignor.)

General Motors Corporation. (See Nance, James J., assignor.)

General Motors Corporation. (See Rice, Herbert C., assignor.)

General Motors Corporation. (See Watson, James B., assignor.)

General Motors Corporation. (See Weldon, Chichester P., assignor.)

General Timber Service, Inc. (See Paysatt, Henry H., assignor.)

Germundsson, Agne K. H., Stockholm, Sweden. Automatic calendar. 2,026,882; Jan. 7.

Gerow, James W., Reno, Nev. Nail file. 2,026,870; Jan. 7.

Geyer, Harvey D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Resilient mounting unit. 2,026,625; Jan. 7.

Gilbert, A. C., Company, The. (See Gilbert, A. C., and Morse, assignors.)

Gilbert, Alfred C., North Haven, and S. P. Morse, East Haven, assignors to The A. C. Gilbert Company, New Haven, Conn. Kitchen utility device. 2,027,036; Jan. 7.

Gillilan, Paul M., assignor to Shellmar Products Company, Chicago, Ill. Container. 2,026,626; Jan. 7.

Gill, Augustus H., Belmont, assignor to The Gill Corporation, Cambridge, Mass. Treatment of textile fibers. 2,026,785; Jan. 7.

Gill Corporation, The. (See Gill, Augustus H., assignor.)

Gill, Harry R., Ashland, Ohio. Inflatable toy. 2,027,225; Jan. 7.

Gill, Lowell O., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Treatment of soy beans. 2,026,670; Jan. 7.

Gillespie, Charles P., Houston, assignor of one-fourth to J. R. Turnbull, and one-fourth to E. A. Irwin, Harris County, Tex. Well packer. 2,026,883; Jan. 7.

Gilman, George H., Newark, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Portable drilling rig. 2,026,627; Jan. 7.

Gilmore, Delbert B., Erie, assignor to Hookless Fastener Company, Meadville, Pa. Slider for slide fasteners. 2,027,327; Jan. 7.

Gipe, Harrison S., York, assignor to Quinlan Pretzel Co. Inc., Reading, Pa. Pretzel forming machine. 2,026,896; Jan. 7.

Givaudan-Delawanna, Inc. (See Carpenter, M. S., and Kunz, assignors.)

Glasgow, Ernest M., Towaco, N. J., assignor, by mesne assignments, to Feedrail Corporation, New York, N. Y. Electric trolley construction. 2,026,894; Jan. 7.

Goddard, Robert H., Roswell, N. Mex. Aircraft. 2,026,865; Jan. 7.

Goetts, William L., Caldwell, N. J., and M. Brodsky, Bronx, N. Y.; said Goetts assignor to said Brodsky. Building unit. 2,026,898; Jan. 7.

Goldhammer, Leo, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Folding camera. 2,026,677; Jan. 7.

Goldman, Julius, Los Angeles, Calif. Landing apparatus for airplanes. 2,027,162; Jan. 7.

Goldsborough, Shirley L., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Impedance relay system. 2,027,220; Jan. 7.

Gossett, Robert E., Los Angeles, Calif. Body vibrator. 2,026,827; Jan. 7.

Goodman Manufacturing Company. (See Cartlidge, Frank, assignor.)

Gorton, George, Machine Company. (See Henkes, Peter M., assignor.)

Gossett, Lee C., Fairmount, Ind. Cultivating implement. 2,026,987; Jan. 7.

Gottlieb, Ethel, Newark, N. J. Ventilated spectacles or eyeglasses. 2,027,057; Jan. 7.

Gouverneur, Minor F. H., assignor to Locke Insulator Corporation, Baltimore, Md. Clay homogenizing method and apparatus. 2,026,782; Jan. 7.

Graebner, Otto F., Detroit, Mich., assignor to The Murray Corporation of America. Roof construction. 2,027,163; Jan. 7.

Graf, Steve, Detroit, Mich. Target game. 2,026,881; Jan. 7.

Granger, Albert, Burlingame, Calif. Boat propelling device. 2,026,868; Jan. 7.

Gray, Daniel M., and J. J. Williams, assignors to Hazel-Atlas Glass Company, Wheeling, W. Va. Cushion fit cap. 2,026,889; Jan. 7.

Gray Telephone Pay Station Company, The. (See Long, George A., assignor.)

Gray, Wallace M., Cincinnati, Ohio. Shelf-type lubricator. 2,027,227; Jan. 7.

Green, Samuel G., Gray, Ga. Packed joint for guns. 2,026,522; Jan. 7.

Greenan, Max, New York, N. Y. Dipped-bridge lamp shade or similar article and making the same. 2,026,980; Jan. 7.

Greene, Daniel A., Flint, Mich. Window glass channel. 2,026,971; Jan. 7.

Greene, Daniel A., Flint, Mich. Window glass guide. 2,026,972; Jan. 7.

Greene, Daniel A., Flint, Mich. Window glass guide. 2,026,973; Jan. 7.

Greenlee Bros. & Co. (See Abramsson, J. E., and Gunnard, assignors.)

Gregory, Carey G., Los Angeles, Calif. Combined hair net and bottle. 2,026,529; Jan. 7.

Griffith-Hope Company. (See Hope, S. H., and Drath, assignors.)

Gross, Alexander, Berlin, Germany. Sweep-cap or comb with brush. 2,026,890; Jan. 7.

Grothey, Ivan W., Laconia, N. H., assignor to Scott & Williams, Incorporated, New York, N. Y. Dial for knitting machines. 2,027,276; Jan. 7.

Gruber, Wolfgang, Burghausen, assignor to Dr. Alexander Wacker Gesellschaft für Electrochemische Industrie G. m. b. H., Munich, Germany. Manufacture of wooly threads. 2,026,736; Jan. 7.

Grubman, Leo J., Belle Harbor, assignor to Morgan Corporation, New York, N. Y. Molding of dolls' heads and the like. 2,027,134; Jan. 7.

Grubman, Leo J., Belle Harbor, assignor to Morgan Corporation, New York, N. Y. Molding of dolls' heads and the like. 2,027,135; Jan. 7.

Grunig, Bernhard. (See Tratsch, W. A., and Grunig.)

Guardite Corporation, The. (See Bass, John M., assignor.)

Gulley, John O., Arlington City, Kans. Air conditioning apparatus. 2,026,974; Jan. 7.

Gurney, Daniel. (See Klay, W. S., and Gurney.)

Guttmann, Ferdinand & Co. (See Hesse, Jay R., assignor.)

Habana, Erich, Berlin, Germany. Contact device. 2,027,277; Jan. 7.

Hacker, Oskar, assignor to the firm Austro-Daimler-Puchwerke A. G., Wiener-Neustadt, Austria. Rail wheel. 2,027,302; Jan. 7.

Hacker, Oskar, assignor to Austro-Daimler-Puchwerke A. G., Wiener-Neustadt, Austria. Running gear. 2,027,303; Jan. 7.

Hacker, Oskar, assignor to Austro-Daimler-Puchwerke A. G. Wiener-Neustadt, Austria. Running gear for vehicles. 2,027,304; Jan. 7.

Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for rounding and channeling soles. 2,026,622; Jan. 7.

Haddock, Norman H., Blackley, P. Lodge, Manchester, and R. Robinson, Oxford, England, assignors to Imperial Chemical Industries Limited. Cyanine intermediate. 2,026,620; Jan. 7.

Hager, Wilbur V. (See Hager, Wilson T., assignor.)

Hager, Wilson T., assignor to W. V. Hager, Ervinna, Pa. Incubator. 2,026,588; Jan. 7.

Halbe, Peter. (See Smithwick, H., and Halbe.)

Hale, George C., and D. R. Cameron, Dover, N. J. Propellent powder. 2,026,951; Jan. 7.

Hall, Omer E., Paoli, assignor to The Edgerton Manufacturing Co., Plymouth, Ind. Basket web assembling machine. 2,026,733; Jan. 7.

Hamilton, John B. (See Lowe, E. A., and Hamilton.)

Hammer, Alfred L., Boston, Mass. Utility light and test lamp. 2,027,596; Jan. 7.

Hannum, John A. (See Wood, R. D., and Hannum.)

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Keying. 2,027,068; Jan. 7.

Hanson, Gustaf L., assignor to National Broach & Machine Company, Detroit, Mich. Machine for testing accuracy of gears. 2,026,764; Jan. 7.

Hanson, Milton E., Collingswood, N. J., assignor to B. F. Sturtevant Company, Inc., Hyde Park, Boston, Mass. Refrigeration apparatus. 2,027,826; Jan. 7.

Hanson, Milton E., Collingswood, N. J., assignor to B. F. Sturtevant Company, Inc., Hyde Park, Boston, Mass. Air conditioning system. 2,027,097; Jan. 7.

Harbison-Walker Refractories Company. (See Hemphrey, Dwight E., assignor.)

Harding, William H., Flushing, N. Y., and A. W. Montgomery, Cedarhurst, Ga., assignors to American Cyanamid & Chemical Corporation, New York, N. Y. Rodsizing and making the same. 2,027,166; Jan. 7.

Harris, Artie B., Kansas City, Mo. Shearing device. 2,026,630; Jan. 7.

Harris, Benjamin E., Chicago, Ill. Confection. 2,027,191; Jan. 7.

Harris, Benjamin E., Chicago, Ill. Phosphoric acid esters of fatty acid monoglycerides. 2,026,765; Jan. 7.

Harris, Benjamin E., and M. C. Reynolds, Chicago, Ill. Ray product. 2,026,631; Jan. 7.

Harrison, George W. H. (See Pearce, R. F., Hornsby, and Harrison.)

Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration translating device. 2,027,169; Jan. 7.

Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration translating device. 2,027,189; Jan. 7.

Hartwell, Ralf L., Orange, assignor to Metal Textile Corporation, West Orange, N. J. Pot cloth. 2,026,681; Jan. 7.

Haun, Joye C., Manhattan Beach, Calif. Selective channel cleaning and lubricating system for lubrication valves. 2,026,591; Jan. 7.

Haupt, Albertus H., Somerset West, Union of South Africa, assignor to Imperial Chemical Industries Limited. Method and apparatus for wrapping cylindrical articles. 2,026,582; Jan. 7.

Haupt, Albertus H., Somerset West, Union of South Africa, assignor to Imperial Chemical Industries Limited. Apparatus for cutting paper or other material. 2,026,586; Jan. 7.

Haworth, Mack B., Pittsburgh, Pa., assignor to The Jeffrey Manufacturing Company. Apparatus for separating materials by fluid streams. 2,026,633; Jan. 7.

Hayford, Benjamin L., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit-breaker apparatus. 2,027,236; Jan. 7.

Hazel-Atlas Glass Company. (See Gray, D. M., and Williams, assignors.)

Haseltine, George, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoe parts. 2,026,634; Jan. 7.

Heck, Adolf, assignor to Cook Paint & Varnish Company, Kansas City, Mo. Manufacture of resins. 2,027,237; Jan. 7.

Heck, Adolf, assignor to Cook Paint & Varnish Company, Kansas City, Mo. Manufacture of varnish resins. 2,027,238; Jan. 7.

Heck, Adolf, assignor to Cook Paint & Varnish Company, Kansas City, Mo. Manufacture of varnish resins, varnishes and like coating compositions. 2,027,239; Jan. 7.

Hedgcock, William C., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Truck. 2,026,634; Jan. 7.

Hefner, Raymond L., Hickory, N. C. Pavement marking machine. 2,026,673; Jan. 7.

Heine, Charles H. (See Cleveland, C. H., Heine, and Allison.)

Heinlein, Eugen, Berlin, Germany. Method of manufacturing thin-walled shaped bodies. 2,027,314; Jan. 7.

Heintz & Kaufman, Ltd. (See Bitel, W. W., and McCullough, assignors.)

Heintz & Kaufman, Ltd. (See Heintz, Ralph M., assignor.)

Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. High frequency generator. 2,026,592; Jan. 7.

Heller, Paul E., Newark, N. J. File and making the same. 2,027,022; Jan. 7.

Heller, Paul E., Newark, N. J. Carved tooth file. 2,027,643; Jan. 7.

Helms, Harry W., Detroit, Mich., assignor to Highway Trailer Company, Edgerton, Wis. Hoist for semi-trailers. 2,027,008; Jan. 7.

Hemingway, Marcus R., New Haven, Conn. Doorcheck. 2,027,170; Jan. 7.

Henderson, Weldon, D. Hollywood, Calif. Dispensing fountain brush. 2,026,812; Jan. 7.

Hendryx, Dwight S., Assignor to Hartzell-Walker Refractories Company, Pittsburgh, Pa. Shaping refractory articles. 2,026,943; Jan. 7.

Henkes, Peter M., Racine, assignor to George Gorton Machine Company, Racine, Wis. Stylus mounting for reproducing and engraving machines. 2,026,896; Jan. 7.

Henry, Donald B., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Vapor electric device. 2,026,941; Jan. 7.

Hermann Manufacturing Company, The. (See Hermann, W. H., and Wessel, assignors.)

Hermann, Walter H., and L. H. Wessel, assignors to The Hermann Manufacturing Company, Lancaster, Ohio. Machine for refining paper stock and pulp. 2,027,041; Jan. 7.

Hertel, Richard F. (See Clausen, J. D., and Hertel.)

Hess, Raymond W. (See Moore, F. G., Hess, and Perkins.)

Hicks, Elmer H. (See Hammond, E. M., and Hicks.)

Higgins, Lorraine L., Dedham, assignor to B. F. Sturtevant Company, Inc., Boston, Mass. Heat exchange apparatus. 2,027,315; Jan. 7.

Higgins, Pattillo, San Antonio, Tex. Flowspout drain plug. 2,026,879; Jan. 7.

Highway Trailer Company. (See Helms, Harry W., assignor.)

Hilger, Josef. (See Taube, C., and Hilger.)

Hill, Rowland. Stanley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of acrylic acid. 2,026,594; Jan. 7.

Hillis, David E., Detroit, Mich., assignor, by mesne assignments, to Tryton Engineering Corporation, Cleveland, Ohio. Divisional feeder. 2,027,171; Jan. 7.

Hills, Sidney C., London, England, assignor to Radio Corporation of America. Automatic alarm device. 2,026,635; Jan. 7.

Hinds, William W., Kansas City, Mo., assignor, by mesne assignments, to Calcyanide Products Corporation. Apparatus for and method of fumigating. 2,027,045; Jan. 7.

Hinman, Walter M., assignor to The Friedrich Post Company, Chicago, Ill. Accelerated drum printing and materials therefor. 2,027,328; Jan. 7.

Hirsch, Samuel, and H. Brandes, assignors to Wilbo Patent Holding Co., Inc., New York, N. Y. Transfer printing and coating mechanism for ramification bag forming machines. 2,027,048; Jan. 7.

Hochwalt, Carroll A. (See Thomas, C. A., and Hochwalt.)

Hochwalt, Carroll A., and W. H. Carmody, assignors, by mesne assignments, to W. S. Tothill, Dayton, Ohio. Aging of whiskey. 2,027,099; Jan. 7.

Hochwalt, Carroll A., Dayton, Ohio, and C. A. Thomas, Wayne, Pa., assignors, by mesne assignments, to M. S. Talbott, Dayton, Ohio. Method of aging whisky. 2,027,100; Jan. 7.

Hoefer, Clarence W. (See Toy, Wesley H., assignor.)

Hofer, Rudolf, and W. Kammerer, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Manhattan, assignor

Irmscher, Hans, assignor to Millis Patent Holding Co. Inc., New York, N. Y. Reeling device for tag forming machines. 2,026,697; Jan. 7.

Irmscher, Hans, assignor to Millis Patent Holding Co. Inc., New York, N. Y. Bag forming machine. 2,027,172; Jan. 7.

Irwin, Joseph A., Cleveland, Ohio. Building construction fabricating device. 2,026,835; Jan. 7.

Irwin, Richard A., et al. (See Gillespie, Charles P., assignor.)

Isbell Porter Company. (See Warner, Arthur W., assignor.)

Jackson, Thomas J., and J. A. Bohemans, Livingston, Mont. Flue cleaning machine. 2,027,178; Jan. 7.

Jacobs, Charles T., New Providence Township, Union County, N. J., assignor to Miessner Inventions, Inc. Method and apparatus for the production of music. 2,027,075; Jan. 7.

Jacobson, Erik W., assignor of one-half to C. F. Nelson, Chicago, Ills. Flue cleaner. 2,026,680; Jan. 7.

Jaeger, William H., Trenton, N. J. Safe. 2,026,977; Jan. 7.

Jancura, Charles G. (See Dean, W. A., and Jancura.)

Jannsens, Peter A., Chicago, Ill. Measuring device. 2,026,681; Jan. 7.

Jeffrey Manufacturing Company, The. (See Haworth, Walter J., assignor.)

Jeffrey Manufacturing Company, The. (See Haworth, Mack E., assignor.)

Jeffries, Oren L., assignor of one-half to L. J. Brown, Columbus, Ohio. Apparatus for playing games. 2,026,682; Jan. 7.

Jennings, James W., Providence, R. I. Salt shaker or the like. 2,026,738; Jan. 7.

Jensen, Henry M., United States Navy. Navigational instrument. 2,026,537; Jan. 7.

Jensen, Henry M., United States Navy. Hour interval calculator. 2,026,538; Jan. 7.

Jeserwold, Gerwal M., and H. DeWeert, Chicago, Ill. Toy pistol. 2,026,698; Jan. 7.

Jeppesen, Ivar. (See McArdle, M. W., and Jeppesen.)

Jester, John M., Washington, D. C. Releasing clamp. 2,026,976; Jan. 7.

Johannsen, Friedrich, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Treating ferriferous ores. 2,026,683; Jan. 7.

Johansson, Carl E., Detroit, Mich. Demonstration apparatus. 2,026,664; Jan. 7.

Johnson, Edward S., New Rochelle, N. Y., assignor to The Calco Chemical Co. Inc., Bound Brook, N. J. Catalyst. 2,027,316; Jan. 7.

Johnson, Forrest F., assignor to The Spencer Manufacturing Co., Spencer, Ohio. Balanced driving head for marking machines. 2,027,174; Jan. 7.

Johnson, Frank W., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing pigments of the indanthrene series. 2,026,637; Jan. 7.

Johnson, Godwin H., New York, N. Y. Sash and window frame. 2,026,686; Jan. 7.

Johnson, Gustaf E., and G. Lowenberg, assignors to Metal Specialties Manufacturing Company, Chicago, Ill. Spraying device. 2,027,103; Jan. 7.

Johnson, James P., Shaker Heights, Ohio. Pump. 2,026,720; Jan. 7.

Johnson Matthey & Company Limited. (See Powell, A. R., and Davies, assignors.)

Jones, Ernest F., London, England. Apparatus for production of steel tubes and other sections. 2,026,979; Jan. 7.

Jones, Harry C., New York, N. Y. Negative holder. 2,026,836; Jan. 7.

Jones, Lloyd T. (See Kennedy, H. E., Retsemund, and Jones.)

Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 2,026,539; Jan. 7.

Joy, Henry B., Grosse Pointe Farms, Mich. Electric switch mechanism. 2,026,960; Jan. 7.

Kahnt, Hilla, Chicago, Ill. Massaging and bathing apparatus. 2,026,981; Jan. 7.

Kahr, John S. (See Kahr, Martin and J. S.)

Kahr, Martin and J. S., Milwaukee, Wis., said J. S. Kahr assignor to said Martin Kahr. Hydraulic device for oil well pumping. 2,027,104; Jan. 7.

Kallenbach, George K., Schenectady, N. Y., assignor to General Electric Company. Grid construction of electric discharge devices. 2,027,176; Jan. 7.

Kaufman, John, et al. (See Rogers, Clifford H., assignor.)

Kaufman, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,026,787; Jan. 7.

Keiser, Arthur J., deceased, by E. E. Keiser, Greece, N. Y., administratrix, assignor to The Bircher Co., Inc., Rochester, N. Y. Envelope opening machine. 2,027,045; Jan. 7.

Keiser, Esther E., administratrix. (See Keiser, Arthur J.)

Kelley, John B., Larchmont, N. Y. Hair drier. 2,026,942; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,540; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,541; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,542; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,543; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,544; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,545; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,546; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,547; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,548; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,555; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,554; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,555; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,556; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,557; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,558; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,559; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,560; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,561; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,562; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,563; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,564; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,565; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,566; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,567; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,568; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,569; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,570; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,571; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,572; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,573; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,574; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,575; Jan. 7.

Kempf, Louis W., and W. A. Dean, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Free cutting alloys. 2,026,576; Jan. 7.

Kennedy, George H., Jr., Worcester, assignor to United States Envelope Company, Springfield, Mass. Envelope. 2,026,527; Jan. 7.

Kennedy, Harry R., M. A. Retsemund, and L. T. Jones, Berkeley, Calif., assignors to Union Carbide and Carbon Research Laboratories, Inc. Arc welding. 2,026,943; Jan. 7.

Kern, Erwin. (See Brynhildsen, C., and Kern.)

Kerone, Edward B. W. (See Olsen, F., Tilsitzis, and Kerone.)

Kersmer, Ernest. (See Kepper, W., and Kersmer.)

Kiff, Earl. (See Nixon, H. T., and Kiff.)

Kimball, Richard L., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. System of control. 2,027,234; Jan. 7.

King, James F., Cranston, R. I. Making pipe coupling parts. 2,027,176; Jan. 7.

Kingman, Russell E., Orange, assignor to Metal Textile Corporation, West Orange, N. J. Scouring implement. 2,026,655; Jan. 7.

Kinson, Jesse H., Coal Fork, W. Va. Safety scotch hook. 2,026,982; Jan. 7.

Kinkead, Robert H. (See David, Bruce W., assignor.)

Kinsella, Edward, and R. J. Ward, Spondon, near Derby, England, assignors to Celanese Corporation of America. Extrusion apparatus. 2,026,740; Jan. 7.

Kints, Earl E., Bucyrus, Ohio. Shield. 2,026,741; Jan. 7.

Kiopham, Karl, Dessau, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Retouching photographic films or plates. 2,026,890; Jan. 7.

Kirby, Charles H., assignor to Marvel Carburetor Company, Flint, Mich. Carburetor. 2,026,788; Jan. 7.

Kirley, Arthur A., New York, N. Y. Bolt. 2,026,698; Jan. 7.

Klasstorner, Samuel. (See Faith, S., and Klasstorner.)

Klay, Walter S., and D. Garner, assignors to Landis Tool Company, Waynesboro, Pa. Work chuck. 2,026,630; Jan. 7.

Kleinschmidt, Oscar, and O. Meller, assignors to Gebrueder Brehmer, Leipzig-Plagwitz, Germany. Mechanism for separating the hooks of an interconnected hook-pad. 2,027,108; Jan. 7.

Klemperer, Hans, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Voltage regulation inverter. 2,027,225; Jan. 7.

Kluge, Abel and E., assignors to Brandtjen and Kluge, St. Paul, Minn. File lowering device for printing presses. 2,027,177; Jan. 7.

Kluge, Eneval. (See Kluge, A. and E.)

Knause, Edward, Sacramento, Calif. Governor. 2,026,742; Jan. 7.

Knight, Arthur H., Ashton-on-Mersey, Sale, England, assignor to Imperial Chemical Industries Limited. Diazo dyestuffs and their production. 2,027,178; Jan. 7.

Knight, Donald B., Brooklyn, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Absorption refrigerating apparatus. 2,027,104; Jan. 7.

Knight, John B., Jr., New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware. Receiving and amplifying electric signals. 2,026,944; Jan. 7.

Kodama, Kenta, Fukui, Japan. Manufacturing refined pulp from straw of gramineaceous plants. 2,026,900; Jan. 7.

Koehler Manufacturing Company. (See Wheat, Grant, assignor.)

Koepke, Edward C., assignor to The Bishop & Babcock Sales Company, Cleveland, Ohio. Refrigerating means and method. 2,026,833; Jan. 7.

Kohler, Herman H., and W. G. Dery, Amsterdam, N. Y. Roller shade. 2,027,107; Jan. 7.

Korte, Charles, Teaneck, assignor to Lowe Paper Company, Ridgefield, N. J. Bottle carrier. 2,026,525; Jan. 7.

Krause, Richard F., assignor to The Enterprise Aluminum Company, Massillon, Ohio. Teakettle spout. 2,026,839; Jan. 7.

Krautschneider, Josef. (See Back, A., and Krautschneider.)

Krebs Pigment & Color Corporation. (See Blumenfeld, J., and Mayer, assignors.)

Kriete, Arch E. (See Hornbeck, Evelyn and E., assignors.)

Kroff, Leonard D., Sterling, Ill. Game. 2,026,580; Jan. 7.

Krupp, Fried. Grusonwerk Aktiengesellschaft. (See Johannsen, Friedrich, assignor.)

Krupp, Fried. Grusonwerk Aktiengesellschaft. (See Schön, Karl, assignor.)

Kuchar, Joseph, assignor to Athey Truss Wheel Co., Chicago, Ill. Draft appliance. 2,027,046; Jan. 7.

Kuehling, Herman, Snyder, N. Y. Cock or valve. 2,027,166; Jan. 7.

Kummerer, Wilhelm. (See Hofer, R., and Kummerer.)

Kunz, Eric C. (See Carpenter, M. S., and Kunz.)

Kurtz, Clinton J., San Diego, Calif. Spray nozzle. 2,026,749; Jan. 7.

La Bombard, Leon E., assignor to Oswego Falls Corporation, Fulton, N. Y. Blank for container closures and making the same. 2,027,343; Jan. 7.

La Bombard, Leon E., assignor to Oswego Falls Corporation, Fulton, N. Y. Method of forming slip covers for containers. 2,027,344; Jan. 7.

Lack, Arnold, assignor to E. H. Shanley, Chicago, Ill. Piston. 2,027,179; Jan. 7.

Laico, Joseph P., Brooklyn, assignor to Ball Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,027,136; Jan. 7.

Laico, Joseph P., Brooklyn, assignor to Ball Telephone Laboratories, Incorporated, New York, N. Y. Sealing-in machine. 2,027,181; Jan. 7.

Lakewest Corporation, The. (See Youngdahl, Francis R., assignor.)

La Marsh, Charles W., Alton, Ill. Loading and unloading shelf structure. 2,027,276; Jan. 7.

Landis Tool Company. (See Klay, W. S., and Garner, assignors.)

Lane, George S., Passaic, N. J., assignor to Raybestos-Manhattan, Inc. Clutch mechanism. 2,026,945; Jan. 7.

Lane, John T., Los Angeles, Calif. Claw bar. 2,026,581; Jan. 7.

Lappe, Friedrich, Obernburg-on-the-Main, Germany, assignor to North American Rayon Corporation, New York, N. Y. Process and apparatus for the manufacture of artificial silk. 2,027,047; Jan. 7.

Lauber, John A., and R. M. Schupbach, assignors to Continental Optical Company, Inc., Rochester, N. Y. Eyeglass construction. 2,027,109; Jan. 7.

Lawrenson, Judge P., Houston, Tex. Combined freight and tank vehicle. 2,026,687; Jan. 7.

Lawry, Rolla, Greenwich, Conn., assignor to Louis Philippe, Inc., Chicago, Ill. Cosmetic applicator. 2,027,288; Jan. 7.

Lazier, Wilbur A., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation of aliphatic alcohols and esters. 2,027,182; Jan. 7.

Leahy, Michael J., Fort Worth, Tex. Production of carbon bisulphide. 2,026,840; Jan. 7.

Leake, James M. and G. G. Fairchild, Toledo, Ohio. Shipping cases. 2,026,901; Jan. 7.

Lebert, Alfred, Duesseldorf-Morsenbroich, Germany. Balancing machine. 2,026,688; Jan. 7.

Le Comte & Co. (See Le Comte, Victor K., assignor.)

Le Comte, Victor K., Forest Hills, assignor to Le Comte & Co., Inc., Brooklyn, N. Y. Container. 2,026,946; Jan. 7.

Ledin, Sven H. (See Öman, E., and Ledin.)

Lee, William J., Lockport, assignor to The Western Block Company, Lockport, N. Y. Snatch block. 2,027,279; Jan. 7.

Leeds & Northrup Company. (See Dike, Paul H., assignor.)

Legge, Alfred G., Brockton, Mass. Shoe form. 2,027,048; Jan. 7.

Leibing Automotive Devices, Incorporated. (See Leibing, William E., assignor.)

Leibing, William E., Sausalito, assignor to Leibing Automotive Devices, Incorporated, San Francisco, Calif. Method and apparatus for governing flow lines. 2,026,947; Jan. 7.

Leibing, William E., Sausalito, assignor to Leibing Automotive Devices, Incorporated, San Francisco, Calif. Method and apparatus for governing flow lines. 2,026,948; Jan. 7.

Leinweber, William H., Chicago, Ill. Blower. 2,026,689; Jan. 7.

Leinweber, William H., Chicago, Ill. Fluid operating propeller. 2,027,050; Jan. 7.

Lemming, John C. (See Davis, J. H., and Lemming.)

Leslie, George W. D., Sydney, New South Wales, Australia. Railway axle journal lubricator. 2,027,110; Jan. 7.

Lesti, Arnold, Los Angeles, Calif. Electric translating device for musical instruments. 2,026,841; Jan. 7.

Lets Manufacturing Company, The. (See Holland-Lets, John, assignor.)

Le Vecconte, Lester E., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pilot-wire protection for transmission lines. 2,027,237; Jan. 7.

Levy, Michael, Brooklyn, N. Y. Wheeled toy. 2,027,049; Jan. 7.

Libbey-Owens-Ford Glass Company. (See McDaniel, Willard C., assignor.)

Libbey-Owens-Ford Glass Company. (See Watkins, George B., assignor.)

Linderman, Garrett B., Jr. (See Stuart, K., and Linderman, Jr.)

Lindemann, Carl, Company. (See Lindemann, Carl, assignor.)

Lindemann, Carl, Hackensack, assignor to Carl Lindemann Company, Inc., Jersey City, N. J. Venetian blind bracket. 2,027,230; Jan. 7.

Lindstrom, Ture, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 2,027,238; Jan. 7.

Lipman, Carl E. L., assignor to Lipman Patents Corporation, Chicago, Ill. Refrigerator. 2,027,183; Jan. 7.

Lipman Patents Corporation. (See Lipman, Carl E. L., assignor.)

Lippincott, Stanley S. (See Böhmer, H., Jr., and Lippincott.)

Lippitt, Stephen W., Cleveland, Ohio. Knitting machine. 2,026,744; Jan. 7.

Lista, Louis J., Mount Shasta, Calif. Food grinder. 2,027,281; Jan. 7.

Locke Insulator Corporation. (See Frey, Howard A., assignor.)

Locke Insulator Corporation. (See Gouverneur, Minor F. H., assignor.)

Lockett, John W., Oswego, assignor to Fitzgibbons Boiler Company, Inc., New York, N. Y. Steam or hot water boiler. 2,027,845; Jan. 7.

Lodge, Frank. (See Haddock, N. H., Lodge, and Robinson.)

Logie, Thomas T., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 2,026,640; Jan. 7.

Long, Elmer C., Grosse Pointe Park, Mich. Piston for internal combustion motors. 2,026,789; Jan. 7.

Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Coin keeper for telephone toll collecting apparatus. 2,026,961; Jan. 7.

Lommel, Wilhelm, Leverkusen-Wiesdorf, and R. Schreiner, Leverkusen-I. G. Werk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Vulcanization accelerator. 2,027,194; Jan. 7.

Long, Thomas H., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Grid-glow tube position relay combination. 2,027,239; Jan. 7.

Loomis, Everts G., Newark, N. J. Mixing machine. 2,027,185; Jan. 7.

Looney, Mark E., Watertown, Mass. Window. 2,027,240; Jan. 7.

Loveridge, Frederick H., deceased, Coldwater, Mich., and E. H. Smythe, Evanston, Ill., G. L. Clark, and H. L. Loveridge, trustees. Card index and the like. 2,026,582; Jan. 7.

Loveridge, Herman L., trustee, et al. (See Loveridge, F. H., and Smythe.)

Lowe, Charles R., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 2,027,186; Jan. 7.

Lowe, Ernest A., and J. R. Hamilton, Cleveland Heights, assignors to Automatic Sprinkler Company of America, Cleveland, Ohio. Fire extinguishing and alarm apparatus. 2,027,051; Jan. 7.

Lowe Paper Company. (See Korte, Charles, assignor.)

Lowenberg, Gisbert. (See Johnson, G. R., and Lowenberg.)

Lowry, Erwin F., Williamsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermionic discharge device. 2,027,241; Jan. 7.

Luchett, William S., New York, N. Y. Fruit basket. 2,027,052; Jan. 7.

Luna, Rome A., San Francisco, Calif. Illuminated sign letter. 2,027,187; Jan. 7.

Lutzy, Harry H. (See Bly, R. W., and Lutzy.)

Lyman, Donald P., assignor to Eastman Kodak Company, Rochester, N. Y. Film magazine. 2,026,964; Jan. 7.

Lyon Cover Company. (See Short, Bladen M., assignor.)

Macdonald, Lester B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for use in the manufacture of shoes. 2,026,641; Jan. 7.

MacIlvain, Herbert. (See Mall, J. E., Sr., and MacIlvain.)

Madland, Gabriel, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,027,242; Jan. 7.

Magnesium Development Corporation. (See Paine, Roy F., assignor.)

Malm, Carl J., and C. L. Fletcher, assignors to Eastman Kodak Company, Rochester, N. Y. Changing the solubility of mixed esters of cellulose and the product resulting therefrom. 2,026,589; Jan. 7.

Malm, Carl J., and W. H. Fisher, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of aliphatic acid anhydrides. 2,026,965; Jan. 7.

Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of high viscosity mixed esters of cellulose. 2,026,966; Jan. 7.

Manahan, Joseph A., Boston, Mass. Liberating fibers. 2,026,584; Jan. 7.

Manhoff, Henry J., Wichita, Kans. Rotor for hammer mills. 2,026,790; Jan. 7.

Manley Products Corp. See Manley, Robert E., assignor.)

Manley, Robert E., assignor to Manley Products Corp., York, Pa. Motorized drive. 2,027,111; Jan. 7.

Manning, Bowman & Co. (See Farr, Edward A., assignor.)

Manning, Joseph A., Pawtucket, R. I. Doll head. 2,026,590; Jan. 7.

Manning, James, Trenton, N. J. Electric motor. 2,026,[illegible]; Jan. 7.

Manning, James, Trenton, N. J. Field mounting for d[illegible]mo-electric machines. 2,026,643; Jan. 7.

Marpon Corporation. (See Grubman, Leo J., assignor.)

Marinsky, Davis. (See Morin, L. H., and Marinsky.)

Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Trim panel assembly. 2,026,595; Jan. 7.

Martel, Edgar J., Laconia, N. H. Knitting machine. 2,026,745; Jan. 7.

Martin Brothers Electric Company, The. (See Martin, Wendell L., assignor.)

Martin, Eric. (See Caldwell, F. W., and Martin.)

Martin, Wendell L., Cleveland, Ohio. Drier. 2,026,981; Jan. 7.

Martin, Wendell L., assignor to The Martin Brothers Electric Company, Cleveland, Ohio. Drying apparatus. 2,026,982; Jan. 7.

Marvel Carburetor Company. (See Kirby, Charles H., assignor.)

Maschinenfabrik Augsburg-Nurnberg A. G. (See Pietschtick, Gustav, assignor.)

Mason, Donald W., Eugene, Oreg. Tire and rim. 2,027,223; Jan. 7.

Mathieson Alkali Works, Inc., The. (See Petros, Gregory A., assignor.)

Matteucci, Meryem F., assignor to Fisher Scientific Company, Pittsburgh, Pa. Gas analysis apparatus. 2,026,648; Jan. 7.

Mayer, Joseph C., Cleveland, Ohio. Baseball game. 2,026,701; Jan. 7.

Mayer, Max. (See Brunenfeld, J., and Mayer.)

Maynes, Hyla F. (See Maynes, Myra F., assignor.)

Maynes, Emma C. (See Maynes, Myra F., assignor.)

Maynes, Hyla F., assignor of one-half to R. C. Maynes, North Tonawanda, N. Y. Fishing reel. 2,027,035; Jan. 7.

Maynes, Hyla F., assignor of one-half to R. C. Maynes, North Tonawanda, N. Y. Fishing reel. 2,027,036; Jan. 7.

Maynes, Hyla F., assignor of one-half to R. C. Maynes, North Tonawanda, N. Y. Reel structure. 2,027,208; Jan. 7.

McArdle, Michael W., and L. Jeppesen, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Combined slicer, shredder and dicer. 2,026,601; Jan. 7.

McCarthy, Daniel J., Elgin, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Highway crossing signaling system. 2,027,166; Jan. 7.

McCarty, Bernard T., Bennett, N. Y., and W. B. Skelton, Cambridge, Mass., assignors to The Texas Company, New York, N. Y. Removal of wax from hydrocarbon oil. 2,027,046; Jan. 7.

McClellan, Herbert, Los Angeles, Calif., assignor to Exhibit Supply Company, Chicago, Ill. Gauge apparatus. 2,026,602; Jan. 7.

McCormick, David, Bradford, Pa. Pressure controlling device for gasoline pumps. 2,026,690; Jan. 7.

McCullough, Jack. (See Mott, W. W., and McCullough.)

McDaniel, Willard C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Pressing apparatus. 2,026,692; Jan. 7.

McFadden, William G., Akron, Ohio. Hydraulic roll adjuster mechanism. 2,027,283; Jan. 7.

McGill, Charles S., assignor to McGill Manufacturing Company, Valparaiso, Ind. Portable incandescent lamp. 2,026,792; Jan. 7.

McGill Manufacturing Company. (See McGill, Charles S., assignor.)

McKee, Garnet W., Rockford, Ill. Pressure regulator. 2,026,793; Jan. 7.

McKim, James R. (See Allison, R. W., and McKim.)

McLachlan, Willard J., Scotia, N. Y., assignor to General Electric Corporation. Control and protection of electric circuits. 2,027,189; Jan. 7.

McLaine, Michael L., Dunmore, Pa. Stove grate. 2,026,983; Jan. 7.

McLean, Charles E., Methuen, assignor to Pittsburgh-Plymouth Mills Corporation, Lawrence, Mass. Composite yarn and fabric. 2,026,686; Jan. 7.

McMahan, Arthur B., Long Beach, Calif. Neon tube support. 2,026,949; Jan. 7.

McNally, James G., and E. S. Sweet, assignors to Eastman Kodak Company, Rochester, N. Y. Laminated glass. 2,026,967; Jan. 7.

McNish, Alexander F., Perth, Scotland. Glass forming machine. 2,026,694; Jan. 7.

McVeagh, Thomas C., Honolulu, Territory of Hawaii. Securing device. 2,099,896; Jan. 7.

Mears, Hastan A., assignor to Chicago Forging & Manufacturing Co., Chicago, Ill. Hoof brush. 2,026,695; Jan. 7.

Meaden, William C., Scranton, and F. H. Smith, Hazleton, Pa., said Smith assignor to Wilmot Engineering Company, Hazleton, Pa. Separating and washing apparatus. 2,026,908; Jan. 7.

Merriam, Hilda D., Chicago, Ill. Dust cloth. 2,027,113; Jan. 7.

Mesnick, Charles, Brentwood, N. Y. Armature for magnetic movements. 2,026,996; Jan. 7.

Metal Specialties Manufacturing Company. (See Johnson, G. E., and Lowenberg, assignors.)

Metal Textile Corporation. (See Hartwell, Ralf L., assignor.)

Metal Textile Corporation. (See Kingman, Russell B., assignor.)

Meutsch, Charles C., Buffalo, N. Y. Parachute-type seat. 2,026,843; Jan. 7.

Meyer, Fred C., Paterson, and G. E. Moritz, East Paterson, assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Joint for electric cables. 2,026,727; Jan. 7.

Michel, H. Arnold. (See Weenberg, Peter, assignor.)

Meyer, Jerome S. (See Rosenthal, L. W., and Meyer.)

Miessner, Benjamin F., assignor to Miessner Inventions, Inc., Short Hills, N. J. Amplifier system. 2,027,044; Jan. 7.

Miessner, Benjamin F., Millburn, N. J., assignor to Miessner Inventions, Inc. Apparatus for the production of music. 2,027,046; Jan. 7.

Miessner Inventions, Inc. (See Jacobs, Charles T., assignor.)

Miessner Inventions, Inc. (See Miessner, Benjamin F., assignor.)

Miessner Inventions, Inc. (See Tierling, Oskar, assignor.)

Milan, Jessie. (See Allison, Peter, assignor.)

Miller, Edward J., Springfield, Long Island, N. Y. Suspension attachment for bottle-necked vessels. 2,026,597; Jan. 7.

Miller, Ralph W., Glendale, assignor of one-half to W. H. Ballinger, Los Angeles, Calif. Reel seat for fishing rods. 2,027,248; Jan. 7.

Mills Patent Holding Co., Inc. (See Hirsch, S., and Brucker, assignors.)

Mills Patent Holding Co. (See Brueckner, Hugo, assignor.)

Millinger, August, Louisville, Ky. Adjustable locking, holding, and tightening device. 2,027,118; Jan. 7.

Minahan, James L., San Antonio, Tex. Controlling valve. 2,026,844; Jan. 7.

Miner, Robert G., assignor to The Texas Company, La Grange, Wis. Valve. 2,027,190; Jan. 7.

Miranta, August, Tacoma, Wash. Arch support and pain protector. 2,027,035; Jan. 7.

Mitchell, Doren, Bound Brook, N. J., assignor to American Telephone and Telegraph Company. Signaling system. 2,026,696; Jan. 7.

Moffitt, George R. (See Meyer, F. C., and Moffitt.)

Monteith, Roy C., Hibbert, Ind. Brush holder. 2,026,644; Jan. 7.

Montgomery, Albert W. (See Harding, W. H., and Montgomery.)

Moore, Guy S., Chester, N. H., assignor of one-third to H. B. Fraser, Lynn, Mass. Rack. 2,026,746; Jan. 7.

Moore, Roscoe, Kingston, Pa. Drive for shaker conveyers. 1,027,234; Jan. 7.

Moorman, Albert G., New York, N. Y. Ball rolling game. 2,027,244; Jan. 7.

Morin, Louis H., and D. Marinsky, assignors to Whitehall Patents Corporation, New York, N. Y. Manufacturing fastener devices. 2,026,904; Jan. 7.

Morrell, John A., Greer, S. C. Semi-fixed reverse motion for pickers. 1,026,900; Jan. 7.

Morrell, Sarmuel T., and H. G. St. V. Beachey, Auckland, New Zealand. Printing cylinder of rotary duplicating machines. 2,026,909; Jan. 7.

Morrill, Frank R., assignor to The James Hunter Machine Company, North Adams, Mass. Tenter drier. 2,027,217; Jan. 7.

Morrison, Montford, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc. Radiographic plate changer. 2,026,907; Jan. 7.

Morrissey, William J., Brooklyn, N. Y. Combination projector and sound-reproducing assembly. 2,027,191; Jan. 7.

Morse, Leland B., Chicago, Ill. Laundry package. 1,026,645; Jan. 7.

Morse, Shirley F. (See Gilbert, A. C., and Morse.)

Morton, Brayton. (See Carter, William W., assignor.)

Moses, Frederick G., New York, H. W. Hess, Buffalo, and R. L. Perkins, East Aurora, assignors to The Barrett Company, New York, N. Y. Flotation of minerals. 2,027,357; Jan. 7.

Mostkoff, Morris, New York, N. Y. Automobile tire. 2,027,056; Jan. 7.

Motor Wheel Corporation. (See Horn, Harry J., assignor.)

Mudy, Glenn, Scarsdale, N. Y. Refrigerating system. 2,027,192; Jan. 7.

Mull, Joseph E., Sr., Philadelphia, and H. MacIlvain, Upper Darby Township, Delaware County, Pa. Cap for collapsible tubes and the like. 2,026,646; Jan. 7.

Muller, Oskar. (See Kleinschmidt, O., and Muller.)

Mullins Manufacturing Corporation. (See Redman, Earl H., assignor.)

Munters, Carl G., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,027,057; Jan. 7.

Murray Corporation of America, The. (See Gradisar, Otto F., assignor.)

Murray Corporation of America, The. (See Westhaver, Fred J., assignor.)

Muscle Foundation Incorporated. (See Musher, Sidney, assignor.)

Musher, Sidney, assignor to Muscle Foundation Incorporated, New York, N. Y. Prevention of exhaustion. 2,026,697; Jan. 7.

Muth, Friedrich, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Waterinsoluble azodyestuffs. 2,026,908; Jan. 7.

Muth, Herbert, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Thermostat arrangement. 2,027,193; Jan. 7.

Myers, Don D., Toledo, Ohio, assignor to The Blandon Manufacturing Company. Table. 2,026,998; Jan. 7.

Myers, George M. (See Brown, G. D., and Myers.)

Myers, Oscar, Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,027,194; Jan. 7.

Nall, Elmer L., Wheaton, Ill. Dispenser for oil cans. 2,026,585; Jan. 7.

Nallinger, Fritz, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Untertürkheim, Germany. Springing arrangement for vehicles. 2,026,909; Jan. 7.

Nance, James J., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,027,226; Jan. 7.

National Aniline & Chemical Company. (See Fleysher, M. H., and Ogilvie, assignors.)

National Aniline & Chemical Co. (See Ogilvie, James, assignor.)

National Breech & Machine Company. (See Hansen, Gustaf L., assignor.)

National Cash Register Company, The. (See Sedgebury, Herman F., assignor.)

National Machinery Company, The. (See Clarke, William L., assignor.)

National Pneumatic Company. (See Weigele, Albert E., assignor.)

National Pumps Corporation. (See Bradley, Eric H., assignor.)

National Traffic Signal Company. (See Olafson, Alvin O., assignor.)

Neeser, Charles R., New Rochelle, N. Y., assignor to Baldwin Southwark Corporation. Method and apparatus for air conditioning. 2,027,068; Jan. 7.

Neighbour, Leonard E., assignor to Deere & Company, Moline, Ill. Elevator. 2,026,794; Jan. 7.

Nelson, Albert C., Flushing, N. Y., assignor to Westinghouse X-Ray Company, Inc. Immobilization belt for X-ray apparatus. 2,027,218; Jan. 7.

Nelson, Carl F. (See Jacobson, Erik W., assignor.)

Nelson, Gustav R., De Kalb, assignor to Wurlitzer Grand Piano Company, De Kalb, Ill. Box and making it. 2,026,699; Jan. 7.

Nemeth, William P. B., North Arlington, N. J. Gravity thermal dilator. 2,026,747; Jan. 7.

Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Combination drier and kiln unit. 2,027,059; Jan. 7.

News Projection Corporation. (See Bitzer, August D., assignor.)

Nicholson, Frank H., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,027,246; Jan. 7.

Niven, Henry A., and H. Kiff, assignors to L. G. Balfour Company, Attleboro, Mass. Finger ring. 2,027,060; Jan. 7.

North American Rayon Corporation. (See Lappe, Friedrich, assignor.)

Norton Company. (See Webster, Duane R., assignor.)

Oak Manufacturing Company. (See Dressel, Henry M., assignor.)

Oak Manufacturing Company. (See Dressel, H. M., and Allison, assignors.)

Ogilvie, James. (See Fleysher, M. H., and Ogilvie.)

Ogilvie, James, Buffalo, assignor to National Aniline & Chemical Co. Inc., New York, N. Y. Production of halogenated indanthrenes. 2,026,647; Jan. 7.

Ohio Seamless Tube Company. (See Benham, Frank L., assignor.)

Oliver Company, The. (See Douglas, James K., assignor.)

Okonite-Callender Cable Company, The. (See Meyer, F. C., and Moffitt, assignors.)

Olafson, Alvin O., assignor to National Traffic Signal Company, St. Paul, Minn. Timer. 2,026,648; Jan. 7.

Oldberg, Sidney, Detroit, Mich. Silencer. 2,026,795; Jan. 7.

Olsenthesis Company, The. (See Stover, O. H., and Brigham, assignors.)

Oliver United Filters Incorporated. (See Flynn, Edward D., assignor.)

Olpin, Henry C., Spondon, near Derby, England, assignor to Celanese Corporation of America. Ar-N-(Nitrophenyl)-tetrahydro-naphthylamines and preparing same. 2,026,748; Jan. 7.

Olsen, Fredrick, O. C., Tibbitts, and E. B. W. Kerose, Alton, assignors to Western Cartridge Company, East Alton, Ill. Manufacture of smokeless powders. 2,027,114; Jan. 7.

Olsen, Reuben A., Excelsior, Minn. Hair drier. 2,027,061; Jan. 7.

Olsen, Wilfred, Blackfoot, Idaho. Separator for seeds or the like. 2,026,910; Jan. 7.

Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Gear testing machine. 2,026,649; Jan. 7.

Olsson, Nils G. (See Ratcliff, Charles J., assignor.)

Omnia, Erik, Stockamd, and S. H. Ledin, Stockholm, assignors to Industriaktiebolaget, Stockholm, Sweden. Method and apparatus for concentrating brisk-foaming solutions. 2,027,115; Jan. 7.

Osmond, Rudolph F., Chicago, Ill. Wood joint and corner construction. 2,026,980; Jan. 7.

Oronoque Oil Burner Corporation. (See Holmes, Leslie W., assignor.)

Osgood, Walter F., Malden, assignor to Boston Machine Works Company, Lynn, Mass. Tape-applying machine. 2,026,911; Jan. 7.

Ostermann, Rudolf M., Kenilworth, Ill., assignor to The Superheater Company, New York, N. Y. Deconcentrator for locomotive boilers. 2,026,951; Jan. 7.

Oswego Falls Corporation. (See La Bombard, Leon E., assignor.)

Oswego Falls Corporation. (See La Bombard, Leon E., assignor.)

Owbridge, William A., Coventry, England. Ring holding apparatus. 2,027,116; Jan. 7.

Pacific Machinery Company. (See Thompson, Albert E., assignor.)

Packard Motor Car Company. (See Van Ranst, Cornelius W., assignor.)

Paine, Roy E., Cleveland, Ohio, assignor to Magnesium Development Corporation. Alloy. 2,026,589; Jan. 7.

Paine, Roy E., Cleveland, Ohio, assignor to Magnesium Development Corporation. Alloy. 2,026,590; Jan. 7.

Lang, Elmer C., Grosse Pointe Park, Mich. Piston for internal combustion motors. 2,026,789; Jan. 7.

Lang, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Coin hopper for telephone toll collecting apparatus. 2,026,985; Jan. 7.

Lemmel, Wilhelm, Leverkusen-Wiesdorf, and R. Schröter, Leverkusen-I. G. Werk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Vulcanization accelerator. 2,027,184; Jan. 7.

Long, Thomas H., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Grid-glow tube position relay combination. 2,027,239; Jan. 7.

Loomis, Evarts G., Newark, N. J. Mixing machine. 2,027,185; Jan. 7.

Looney, Mark E., Watertown, Mass. Window. 2,027,240; Jan. 7.

Loveridge, Frederick H., deceased, Coldwater, Mich., and R. H. Smythe, Evanston, Ill., G. L. Clark, and H. L. Loveridge, trustees. Card index and the like. 2,026,582; Jan. 7.

Loveridge, Herman L., trustee, et al. (See Loveridge, F. H., and Smythe.)

Lowe, Charles R., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 2,027,186; Jan. 7.

Lowe, Ernest A., and J. H. Hamilton, Cleveland Heights, assignors to Automatic Sprinkler Company of America, Cleveland, Ohio. Fire extinguishing and alarm apparatus. 2,027,061; Jan. 7.

Lowe Paper Company. (See Korte, Charles, assignor.)

Lowenberg, Gisbert. (See Johnson, G. E., and Lowenberg.)

Lowry, Erwin P., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermionic discharge device. 2,027,241; Jan. 7.

Lockett, William S., New York, N. Y. Fruit basket. 2,027,052; Jan. 7.

Luna, Rose A., San Francisco, Calif. Illuminated sign letter. 2,027,187; Jan. 7.

Lutty, Harry H. (See Bly, E. W., and Lutty.)

Lyman, Donald F., assignor to Eastman Kodak Company, Rochester, N. Y. Film magazine. 2,026,964; Jan. 7.

Lyon Cover Company. (See Short, Bladen M., assignor.)

Macdonald, Lester E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for use in the manufacture of shoes. 2,026,641; Jan. 7.

MacIlvain, Herbert. (See Mull, J. K., Sr., and MacIlvain.)

Madland, Gabriel, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,027,242; Jan. 7.

Magnesium Development Corporation. (See Paine, Roy E., assignor.)

Malm, Carl J., and C. L. Fletcher, assignors to Eastman Kodak Company, Rochester, N. Y. Changing the solubility of mixed esters of cellulose and the product resulting therefrom. 2,026,583; Jan. 7.

Malm, Carl J., and W. H. Fisher, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of aliphatic acid anhydrides. 2,026,965; Jan. 7.

Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of high viscosity mixed esters of cellulose. 2,026,966; Jan. 7.

Manahan, Joseph A., Boston, Mass. Liberating fibers. 2,026,584; Jan. 7.

Manroff, Henry J., Wichita, Kans. Rotor for hammer mills. 2,026,790; Jan. 7.

Manley Products Corp. See Manley, Robert E., assignor.)

Manley, Robert E., assignor to Manley Products Corp., York, Pa. Motorized drive. 2,027,111; Jan. 7.

Manning, Bowman & Co. (See Farr, Edward A., assignor.)

Manning, Joseph A., Pawtucket, R. I. Doff head. 2,026,990; Jan. 7.

Mannix, James, Trenton, N. J. Electric motor. 2,026,642; Jan. 7.

Mannix, James, Trenton, N. J. Field mounting for dynamo-electric machines. 2,026,643; Jan. 7.

Margon Corporation. (See Grabman, Leo J., assignor.)

Marinsky, Davis. (See Martin, L. B., and Marinsky.)

Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Trim panel assembly. 2,026,595; Jan. 7.

Martel, Edgar J., Laconia, N. H. Knitting machine. 2,026,745; Jan. 7.

Martin Brothers Electric Company, The. (See Martin, Wendell L., assignor.)

Martin, Erle. (See Caldwell, F. W., and Martin.)

Martin, Wendell L., Cleveland, Ohio. Drier. 2,026,891; Jan. 7.

Martin, Wendell L., assignor to The Martin Brothers Electric Company, Cleveland, Ohio. Drying apparatus. 2,026,892; Jan. 7.

Marvel Carbureter Company. (See Kirby, Charles H., assignor.)

Maschinenfabrik Augsburg-Nurnberg A. G. (See Pietschk, Gustav, assignor.)

Mason, Donald W., Eugene, Oreg. Tire and rim. 2,027,282; Jan. 7.

Mathieson Alkali Works, Inc., The. (See Petree, Gregory A., assignor.)

Matteucci, Mariam P., assignor to Fisher Scientific Company, Pittsburgh, Pa. Gas analysis apparatus. 2,026,642; Jan. 7.

Mayer, Joseph C., Cleveland, Ohio. Baseball game. 2,026,721; Jan. 7.

Mayer, Max. (See Rosenfeld, J., and Mayer.)

Maynes, Emma C. (See Maynes, Hyla F., assignor.)

Maynes, Emma G. (See Maynes, Hyla F., assignor.)

Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Fishing reel. 2,027,243; Jan. 7.

Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Fishing reel. 2,027,244; Jan. 7.

Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Reel structure. 2,027,245; Jan. 7.

McArdle, Michael W., and I. Jeppeson, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Combined slicer, shredder and dicer. 2,026,681; Jan. 7.

McCarthy, Daniel J., Main, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Highway crossing signaling system. 2,027,120; Jan. 7.

McCarty, Bernard W., Beacon, N. Y., and W. H. Shelton, Cambridge, Mass., assignors to The Texas Company, New York, N. Y. Removal of wax from hydrocarbon oil. 2,027,246; Jan. 7.

McClellan, Herbert, Los Angeles, Calif., assignor to Exhibit Supply Company, Chicago, Ill. Gauge apparatus. 2,026,993; Jan. 7.

McCormick, David, Dunmore, Pa. Pressure controlling device for gasoline pumps. 2,026,690; Jan. 7.

McCullough, Jack. (See Mott, W. W., and McCullough.)

McDaniel, Willard C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Pressing apparatus. 2,026,997; Jan. 7.

McFaddan, William G., Hyde, Ohio. Hydraulic roll adjuster mechanism. 2,027,353; Jan. 7.

McGill, Charles S., assignor to McGill Manufacturing Company, Valparaiso, Ind. Portable incandescent lamp. 2,026,702; Jan. 7.

McGill Manufacturing Company. (See McGill, Charles S., assignor.)

McKee, Garrat W., Rockford, Ill. Pressure regulator. 2,026,758; Jan. 7.

McKim, James E. (See Allison, S. W., and McKim.)

McLachlan, Willard J., Bowie, N. Y., assignor to General Electric Corporation. Control and protection of electric circuits. 2,027,180; Jan. 7.

McLaine, Michael J., Dunmore, Pa. Stove grate. 2,026,993; Jan. 7.

McLean, Charles E., Methuen, assignor to Patrhogue-Plymouth Mills Corporation, Lawrence, Mass. Compound yarn and fabric. 2,026,698; Jan. 7.

McMahan, Arthur E., Long Beach, Calif. Mass tube support. 2,026,949; Jan. 7.

McNally, James G., and S. G. Sweet, assignors to Eastman Kodak Company, Rochester, N. Y. Laminated glass. 2,026,967; Jan. 7.

McNish, Alexander F., Perth, Scotland. Glass forming machine. 2,026,894; Jan. 7.

McVeagh, Thomas C., Honolulu, Territory of Hawaii. Securing device. 2,026,586; Jan. 7.

Moore, Norton A., assignor to Chicago Flanging & Manufacturing Co., Chicago, Ill. Hood latch. 2,026,895; Jan. 7.

Mosher, William C., Scranton, and F. H. Slater, Hazleton, Pa., said Hitch assignor to Wilmot Engineering Company, Hazleton, Pa. Separating and washing apparatus. 2,026,905; Jan. 7.

Morrison, Hilda D., Chicago, Ill. Dust cloth. 2,027,112; Jan. 7.

Mosnick, Charles, Brentwood, N. Y. Armature for magnetic movements. 2,026,984; Jan. 7.

Metal Specialties Manufacturing Company. (See Johnson, G. E., and Lowenberg, assignors.)

Metal Textile Corporation. (See Hartwell, Ralf L., assignor.)

Metal Textile Corporation. (See Klingman, Russell B., assignor.)

Meutsch, Charles C., Buffalo, N. Y. Furniture spring seat. 2,026,943; Jan. 7.

Meyer, Fred C., Paterson, and G. E. Moffitt, East Paterson, assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Joint for electric cables. 2,026,587; Jan. 7.

Michel, H. Arnold. (See Weinberg, Peter, assignor.)

Meyer, Jerome S. (See Rosenthal, L. W., and Meyer.)

Miessner, Benjamin F., assignor to Miessner Inventions, Inc., Short Hills, N. J. Amplifier system. 2,027,054; Jan. 7.

Miessner, Benjamin F., Millburn, N. J., assignor to Miessner Inventions, Inc. Apparatus for the production of music. 5,027,074; Jan. 7.

Miessner Inventions, Inc. (See Jacobs, Charles T., assignor.)

Miessner Inventions, Inc. (See Miessner, Benjamin F., assignor.)

Miessner Inventions, Inc. (See Vlastimil, Ostner, assignor.)

Miles, Jennie. (See Allman, Fenno, assignee.)

Miller, Edward J., Springfield, Long Island, N. Y. Suspension attachment for incandescent mantle. 2,026,968; Jan. 7.

Miller, Ralph W., Glendale, assignor of one-half to W. H. Ballinger, Los Angeles, Calif. Reel seat for fishing rods. 2,027,248; Jan. 7.

Millie Patent Holding Co. Inc. (See Hirsch, S., and Brincher, assignors.)

Millie Patent Holding Co. (See Brandner, Hans, assignor.)

Millinger, August, Louisville, Ky. Adjustable locking, holding, and tightening device. 2,027,113; Jan. 7.

Minahan, James L., San Antonio, Tex. Controlling valve. 2,026,644; Jan. 7.

Miner, Robert G., assignor to The Texas Company, La Crosse, Wis. Valve. 2,027,190; Jan. 7.

Mirents, August, Tacoma, Wash. Arch support and ankle protector. 2,027,055; Jan. 7.

Mitchell, Doren, Bound Brook, N. J., assignor to American Telephone and Telegraph Company. Signaling system. 2,026,894; Jan. 7.

Moffitt, George H. (See Meyer, F. C., and Moffitt.)

Monteith, Roy C., Elkhart, Ind. Brush holder. 2,026,644; Jan. 7.

Montgomery, Albert W. (See Harding, W. H., and Montgomery.)

Moore, Guy S., Chester, N. H., assignor of one-third to R. B. Fraser, Lynn, Mass. Rack. 2,026,748; Jan. 7.

Moore, Roscoe, Kingston, Pa. Drive for shaker conveyers. 2,027,284; Jan. 7.

Moorman, Albert S., New York, N. Y. Ball rolling game. 2,027,344; Jan. 7.

Morin, Louis H., and D. Marinsky, assignors to Whitehall Patents Corporation, New York, N. Y. Manufacturing fastener devices. 2,026,904; Jan. 7.

Morrell, John A., Greer, S. C. Sensitized drawer motion for pickers. 2,026,905; Jan. 7.

Morrell, Samuel T., and H. G. St. V. Beechey, Auckland, New Zealand. Printing cylinder of rotary duplicating machines. 2,026,906; Jan. 7.

Morrill, Frank B., assignor to The James Hunter Machine Company, North Adams, Mass. Tenter drier. 2,027,317; Jan. 7.

Morrison, Montford, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc. Radiographic plate changer. 2,026,907; Jan. 7.

Morrissey, William J., Brooklyn, N. Y. Combination projector and sound-reproducing assembly. 2,027,191; Jan. 7.

Morse, Leland E., Chicago, Ill. Laundry package. 2,026,645; Jan. 7.

Morse, Shirley P. (See Gilbert, A. C., and Morse.)

Morton, Brayton. (See Carter, William W., assignor.)

Moses, Frederick G., New York, E. W. Heal, Buffalo, and R. L. Perkins, East Aurora, assignors to The Barrett Company, New York, N. Y. Flotation of minerals. 2,027,357; Jan. 7.

Moestkof, Morris, New York, N. Y. Automobile tire. 2,027,056; Jan. 7.

Motor Wheel Corporation. (See Horn, Harry J., assignor.)

Mumy, Olsen, Scarsdale, N. Y. Refrigerating system. 2,027,192; Jan. 7.

Mull, Joseph K., Sr., Philadelphia, and H. MacIlvain, Upper Darby Township, Delaware County, Pa. Can for sanitable refuse and the like. 2,026,646; Jan. 7.

Muller, Cesar. (See Kleinschmidt, O., and Muller.)

Mullins Manufacturing Corporation. (See Hartman, Karl H., assignor.)

Munters, Carl G., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,027,057; Jan. 7.

Murray Corporation of America, The. (See Goodmer, Otto F., assignor.)

Murray Corporation of America, The. (See Westrope, Fred J., assignor.)

Musher Foundation Incorporated. (See Musher, Sidney, assignor.)

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Prevention of oxidation. 2,026,697; Jan. 7.

Muth, Friedrich, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Watermastable anodyestuffs. 2,026,908; Jan. 7.

Muth, Herbert, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Thermostat arrangement. 2,027,193; Jan. 7.

Myers, Don D., Toledo, Ohio, assignor to The Blaylock Manufacturing Company. Table. 2,026,909; Jan. 7.

Myers, George H. (See Brown, C. D., and Myers.)

Myers, Oscar, Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,027,194; Jan. 7.

Nall, Elmer J., Wheaton, Ill. Dispenser for oil cans. 2,026,986; Jan. 7.

Nallinger, Fritz, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Springing arrangement for vehicles. 2,027,059; Jan. 7.

Nance, James J., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,027,265; Jan. 7.

National Aniline & Chemical Company. (See Fleysher, M. H., and Ogilvie, assignors.)

National Aniline & Chemical Co. (See Ogilvie, James, assignor.)

National Broach & Machine Company. (See Hansen, Gustof L., assignor.)

National Cash Register Company, The. (See Sedgebury, Herman F., assignor.)

National Machinery Company, The. (See Clouse, William L., assignor.)

National Pneumatic Company. (See Weigele, Albert E., assignor.)

National Pumps Corporation. (See Bradley, Eric H., assignor.)

National Traffic Signal Company. (See Olafson, Alvin O., assignor.)

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Neighbour, Leonard R., assignor to Deere & Company, Moline, Ill. Elevator. 2,026,794; Jan. 7.

Nelson, Albert C., Flushing, N. Y., assignor to Westinghouse X-Ray Company, Inc. Immobilization belt for X-ray apparatus. 2,027,318; Jan. 7.

Nelson, Carl F. (See Jacobson, Erik W., assignor.)

Nelson, Gustav R., De Kalb, assignor to Wurlitzer Grand Piano Company, De Kalb, Ill. Box and making it. 2,026,698; Jan. 7.

Nemsick, William F. E., North Arlington, N. J. Gravity thermal dilator. 2,026,747; Jan. 7.

Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Combination drier and kiln unit. 2,027,059; Jan. 7.

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Nicholson, Frank H., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,027,246; Jan. 7.

Niven, Henry A., and E. Kiff, assignors to L. G. Balfour Company, Attleboro, Mass. Finger ring. 2,027,060; Jan. 7.

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Oak Manufacturing Company. (See Dressel, Henry M., assignor.)

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Ogilvie, James. (See Fleysher, M. H., and Ogilvie.)

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Oilgear Company, The. (See Douglas, James K., assignor.)

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Oldberg, Sidney, Detroit, Mich. Silencer. 2,026,795; Jan. 7.

Okonite Company, The. (See Stever, O. H., and Brigham, assignors.)

Oliver United Filters Incorporated. (See Flynn, Edward D., assignor.)

Ollis, Henry C., Spondon, near Derby, England, assignor to Celanese Corporation of America. Ar-N-(Nitrophenyl)-tetrahydro-naphthylamines and preparing same. 2,026,748; Jan. 7.

Olsen, Fredrich, G. C. Tibbitts, and E. B. W. Kerone, Alton, assignors to Western Cartridge Company, East Alton, Ill. Manufacture of smokeless powders. 2,027,114; Jan. 7.

Olsen, Reuben A., Excelsior, Minn. Hair drier. 2,027,061; Jan. 7.

Olson, Wilfred, Blackfoot, Idaho. Separator for seeds or the like. 2,026,910; Jan. 7.

Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Gear testing machine. 2,026,649; Jan. 7.

Olsson, Nils G. (See Ratelle, Charles J., assignor.)

Omes, Erik, Stocksund, and S. H. Ledin, Stockholm, assignors to Industrikemiska Aktiebolaget, Stockholm, Sweden. Method and apparatus for concentrating brisk-foaming solutions. 2,027,116; Jan. 7.

Osgood, Rudolph F., Chicago, Ill. Wood joist and corner construction. 2,026,650; Jan. 7.

Oronoque Oil Burner Corporation. (See Holmes, Leslie W., assignor.)

Osgood, Walter P., Malden, assignor to Boston Machine Works Company, Lynn, Mass. Tape-applying machine. 2,026,911; Jan. 7.

Ostermann, Rudolf M., Kenilworth, Ill., assignor to The Superheater Company, New York, N. Y. Deconcentrator for locomotive boilers. 2,026,951; Jan. 7.

Oswego Falls Corporation. (See La Bombard, Leon E., assignor.)

Oswego Falls Corporation. (See La Bombard, Leon E., assignor.)

Oxbridge, William A., Coventry, England. Ring holding apparatus. 2,027,116; Jan. 7.

Pacific Machinery Company. (See Thompson, Albert B., assignor.)

Packard Motor Car Company. (See Van Ranst, Cornelius W., assignor.)

Paine, Roy E., Cleveland, Ohio, assignor to Magnesium Development Corporation. Alloy. 2,026,589; Jan. 7.

Paine, Roy E., Cleveland, Ohio, assignor to Magnesium Development Corporation. Alloy. 2,026,590; Jan. 7.

Paine, Ray E., Cleveland, Ohio, assignor to Magnetism Development Corporation. Alloy. 2,026,581; Jan. 7.

Paine, Roy E., Cleveland, Ohio, assignor to Magnetism Development Corporation. Alloy. 2,026,582; Jan. 7.

Parker, Arthur L., Cleveland, Ohio. Forming seamless tube couplings. 2,027,285; Jan. 7.

Parker, Henry C. (See Wyvcaver, Floyd J., assignor.)

Parkin, Thomas D., Broomfield, near Chelmsford, and E. S. Webb, London, England, assignors to Radio Corporation of America. Electrical instrument. 2,027,195; Jan. 7.

Parks, Fred M., Murrysville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,027,247; Jan. 7.

Partlow Corporation, The. (See Partlow, Howard W., assignor.)

Partlow, Howard W., Utica, N. Y., assignor to The Partlow Corporation, New Hartford, Conn. Thermal-electric control. 2,026,699; Jan. 7.

Patchogue-Plymouth Mills Corporation. (See McLean, Charles E., assignor.)

Payne, Donald E., assignor to Standard Oil Company, Chicago, Ill. Dewaxing. 2,026,651; Jan. 7.

Payne, Percy C., St. Louis, Mo. Book holder and marker. 2,026,796; Jan. 7.

Payseur, Henry H., assignor to General Timber Service, Inc., St. Paul, Minn. Printing device for lumber. 2,027,247; Jan. 7.

Peake, Edward S., East Columbus, Ohio. Paper cap ammunition for toy pistols. 2,027,117; Jan. 7.

Pearl, Herman H., Garden City, N. Y. Utensil cover. 2,026,700; Jan. 7.

Pearl, Herman H., Floral Park, N. Y. Utensil cover. 2,026,701; Jan. 7.

Peterson, Erick, Minneapolis, Minn. System for the remote operation of power plants. 2,026,593; Jan. 7.

Pendergast, Overton W., Terre Haute, Ind. Calendar. 2,027,286; Jan. 7.

Perfection Stove Company. (See Chadwick, L. S., Rook, and Dahlstrom, assignors.)

Perkins, Robert L. (See Moses, P. G., Hess, and Perkins.)

Perma Corporation. (See Dopp, Frank R., assignor.)

Pescod, Richard F., H. R. Hornsby, Birtley, and G. W. N. Harrison, Low Fell, England, assignors to Anderson, Boyes & Company Limited, Motherwell, Lanarkshire, Scotland. Coal-cutting machine. 2,026,702; Jan. 7.

Pester, Ray, Grayslake, Ill. Golf club. 2,026,749; Jan. 7.

Peters, Arthur H., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Bearing for steel retainers. 2,026,703; Jan. 7.

Petree, Gregory A., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Valve. 2,026,704; Jan. 7.

Pettersson, Hilde K., geb., Berting-Treptow, Germany. Apparatus for delivering and affixing labels, postage stamps, and the like. 2,027,287; Jan. 7.

Pfeiffer, William C., assignor to The Hery Register Company, Dayton, Ohio. Typewriter attachment. 2,026,845; Jan. 7.

Pfister, Arthur, Ridgewood Plateau, N. Y., assignor to Radio Corporation of America. Electrical control system. 2,027,196; Jan. 7.

Pharis Tire and Rubber Company. (See Reed, Ralph M., assignor.)

Phelps, Paul. (See Voyt, C. W., and Phelps.)

Philippe, Louis, Inc. (See Lawry, Hafis, assignor.)

Phoenix, Ernest T., Amsterdam, N. Y., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Setting frame. 2,027,319; Jan. 7.

Pielsticker, Gustav, assignor to Maschinenfabrik Augsburg-Nuernberg A. G., Augsburg, Germany. Locomotive. 2,026,845; Jan. 7.

Pierson, Charles A., assignor to The Standard Electric Stove Company, Toledo, Ohio. Inclosed heating element for electric stoves. 2,026,797; Jan. 7.

Pines Winterfront Company. (See Raleigh, James F., assignor.)

Piper, William E., assignor to Gammeld Sign Corporation, Memphis, Tenn. Illuminated sign. 2,027,320; Jan. 7.

Platzman, Louis. (See Corigliano, P., and Platzman.)

Plauson, Hermann, Darmstadt, Germany, assignor, by mesne assignments, to T. R. C. Corporation, Wilmington, Del. Road paving. 2,026,968; Jan. 7.

Plauson, Hermann, Freiburg, Germany, assignor, by mesne assignments, to T. R. C. Corporation, Wilmington, Del. Building roads. 2,026,969; Jan. 7.

Pogue, Charles N., Norwood, Winnipeg, Manitoba, Canada. Carburetor. 2,026,796; Jan. 7.

Poste, Maurice, assignor to Compagnie Generale de Telegraphie Sans Fil, Paris, France. High frequency transmitter. 2,026,652; Jan. 7.

Powell, Albert C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trunk circuit. 2,027,197; Jan. 7.

Powell, Alan R., and E. C. Davies, assignors to Johnson Matthey & Company Limited, London, England. Electrodeposition of metals of the platinum group. 2,027,355; Jan. 7.

Pratt, Theodore, Glen Cove, N. Y. Combustion engine. 2,026,705; Jan. 7.

Priellipp, Walter, Dortmund, assignor to Vereinigte Stahlwerke Aktiengesellschaft, Duesseldorf, Germany. Sheet piling. 2,027,288; Jan. 7.

Procofieff-Seversky, Alexander, New York, N. Y., assignor to Seversky Aero Corporation. Variable speed drive for calculator mechanism. 2,026,912; Jan. 7.

Procofieff-Seversky, Alexander, New York, N. Y., assignor to Seversky Aero Corporation. Sighting control for aircraft. 2,027,246; Jan. 7.

Procofieff-Seversky, Alexander, New York, N. Y., assignor to Seversky Aero Corporation. Range finding and sight directing apparatus for use in aircraft. 2,027,245; Jan. 7.

Procofieff-Seversky, Alexander, New York, N. Y., assignor to Seversky Aero Corporation. Apparatus for use in directing the flight of aircraft. 2,027,250; Jan. 7.

Procter & Schwartz, Incorporated. (See Hogarty, Herman E., assignor.)

Program Clock, Inc. (See Sanford, H. W., and Thomas, assignors.)

Program Clock, Inc. (See Thomas, Fritz H., assignor.)

Prosser, Herman L., Long Beach, Calif. System of illumination. 2,027,116; Jan. 7.

Purdy, George H. (See Robertson, E., and Purdy.)

Pure Carbonic Company of America. (See Rapenne, Eugene L., assignor.)

Pureza, Julius, Brooklyn, N. Y. Pressing iron. 2,027,062; Jan. 7.

Quinlan Pretzel Co. Inc. (See Gips, Harrison S., assignor.)

Quinn, Robert G. (See Campbell, J., and Quinn.)

Radio Corporation of America. (See Beatt, George P., assignor.)

Radio Corporation of America. (See Carter, Philip S., assignor.)

Radio Corporation of America. (See Gamble, James W., assignor.)

Radio Corporation of America. (See Dellinger, J. H., and Tuve, assignors.)

Radio Corporation of America. (See Dowden, William L., assignor.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Hills, Sidney C., assignor.)

Radio Corporation of America. (See Knight, John R., Jr., assignor.)

Radio Corporation of America. (See Parkin, T. D., and Webb, assignors.)

Radio Corporation of America. (See Pfister, Arthur, assignor.)

Radio Corporation of America. (See Trevor, Bertram, assignor.)

Radio Corporation of America. (See Turner, Alfred H., assignor.)

Radovich, Harry, Detroit, Mich. Molding pipes. 2,026,908; Jan. 7.

Ragonnet, Eugene L., assignor to Pure Carbonic Company of America, New York, N. Y. Converter. 2,026,709; Jan. 7.

Raleigh, James F., River Forest, assignor to Pines Winterfront Company, Chicago, Ill. Radiator shutter. 2,026,653; Jan. 7.

Ramey, Inc. (See Smithwick, H., and Ramey, assignors.)

Randolph, George B., San Antonio, Tex. Lawn trimmer. 2,027,289; Jan. 7.

Rappold, George W., Maspeth, N. Y. Slide measuring cabinet. 2,027,196; Jan. 7.

Ratelle, Charles J., Chicago, assignor of fifty-one percent to Nils G. Olson, Aurora, Ill. Metallic shingle. 2,027,321; Jan. 7.

Rath, Rudolf, Munich, Germany. Relief work for artificial tooth backing. 2,026,706; Jan. 7.

Raybestos-Manhattan, Inc. (See Lang, George E., assignor.)

Raymond Rag Company, The. (See Sharkey, William E., assignor.)

Reach, Milton S., Springfield, Mass. Water bottle. 2,027,240; Jan. 7.

Reichsamt, Rudolf, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Receiver circuit arrangement. 2,026,980; Jan. 7.

Reck, Peter C., assignor to Sylvania Electric Company, Adrian, Mich. Vibratory diaphragm horn mounting. 2,026,654; Jan. 7.

Reed, John C. 3d, and C. C. Schott, Louisville, Ky., assignors to Standard Sanitary Manufacturing Company. Sink ware. 2,026,962; Jan. 7.

Reed, Ralph M., assignor to The Pharis Tire and Rubber Company, Newark, Ohio. Pneumatic film casing. 2,027,243; Jan. 7.

Reichert, William M. (See Tyler, H. H., and Reichert.)

Reifel, John W., Huntington Park, Calif. Machine for trenchless boring. 2,027,063; Jan. 7.

Reiter, Daniel L., New York, N. Y., and J. H. Arthur, Providence, R. I.; said Arthur assignor to said Reiter. Buckle. 2,026,710; Jan. 7.

Remington Arms Company. (See Woodford, Watson H., assignor.)

Renner, Walter, and F. Kerpmann, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Condensation product. 2,027,159; Jan. 7.

Revol, Marc. (See Chatterton, J. S., Revol, and Dahlstrom.)

Revere Copper and Brass Incorporated. (See Willson, Richard A., assignor.)

Reynolds, Marvin C. (See Harris, E. E., and Reynolds.)

Rice, Charles Dale, West Hartford, Conn. Universal joint. 2,026,907; Jan. 7.

Rice, Harold D., Barrington, R. I., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Printer's blanket. 2,027,322; Jan. 7.

Rice, Herbert C., assignor to General Motors Corporation, Detroit, Mich. Car heater. 2,026,655; Jan. 7.

Richards, Samuel G. Des Moines, Iowa. Station indicator. 2,026,847; Jan. 7.

Richter, Herman W., Bridgewater, Mass. Flooring material and molding mixture. 2,026,864; Jan. 7.

Riebel, Frederick, Jr., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Suction cleaner. 2,027,240; Jan. 7.

Riebel, Frederick, Jr., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Suction cleaner floor tool. 2,027,260; Jan. 7.

Riess, Kolman, Irvington, N. J. Toy or display device. 2,026,913; Jan. 7.

Ritter, Claude A., Cincinnati, Ohio. Expanding mandrel holder. 2,027,119; Jan. 7.

Robbins, George A., Hilliar Township, Knox County, Ohio. Window. 2,026,781; Jan. 7.

Roberts, Montague H., Englewood, N. J., assignor to Franklin Railway Supply Company, New York, N. Y. Locomotive. 2,026,707; Jan. 7.

Robertson, James, and G. H. Purdy, San Francisco, Calif. Connecting tubes in series. 2,027,200; Jan. 7.

Robertson, Robert B., assignor to The Transiodo Joint Company, Chicago, Ill. Blind joint former and lead distributor. 2,027,261; Jan. 7.

Robinson, Gordon D., Annapolis, Md. Electric circuits for employing capacitative currents. 2,027,291; Jan. 7.

Robinson, Robert. (See Hatfield, H. R., Lodge, and Robinson.)

Rocheleau, Antonin, Cap-de-la-Madeleine, Quebec, Canada. Storage battery connector. 2,027,120; Jan. 7.

Robb, Charles F., Jr. (See Wright, William D., assignor.)

Rock, Frank, Los Angeles, Calif. Motor vehicle signal. 2,026,762; Jan. 7.

Rockwell, Byrd C., Sheffield, Ala., assignor of one-half to Bradley Lumber Company of Arkansas, Warren, Ark. Block flooring. 2,027,297; Jan. 7.

Rogers, Clifford H., assignor of twenty-four per cent to J. Kaufman, and twenty-four per cent to J. K. Carr, Portland, Oreg. Vehicle brake. 2,026,585; Jan. 7.

Rohm & Haas Company. (See Bruson, H. A., and Covert, assignors.)

Rosenthal, Dunbar A. (See Winter, C. F., and Rosenthal.)

Rosenthal, Leon W., and J. S. Meyer, New York, N. Y. Display device. 2,026,783; Jan. 7.

Ross, Hazen C., Junction City, Kans. Humidity and temperature control for incubation. 2,026,801; Jan. 7.

Ross, Howard S., Harrisburg, Pa. Toilet comb. 2,027,151; Jan. 7.

Ross, John D., Bangor, Maine. Automatic controlling device. 2,026,866; Jan. 7.

Rotary Lift Company. (See Hauver, Charles W., assignor.)

Rotermund, Maynard A. (See Kennedy, H. B., Rotermund, and Jones.)

Rozunek, Ernst, Berlin-Lichterfelde, Germany. Electromagnetically operated vacuum switch. 2,027,004; Jan. 7.

Rubber Service Laboratories Co., The. (See Scott, W., and Byers, assignors.)

Ruber, Ernest W., San Francisco, Calif. Cooling means for internal combustion engines. 2,026,848; Jan. 7.

Rubin & Denivelle. (See Rubin, Joseph, assignor.)

Rubin, Joseph, Brooklyn, assignor to Rubin & Denivelle, New York, N. Y. Wall ornament. 2,026,708; Jan. 7.

Runyan, Frank C., Overland, Mo. Self-adjusting brake. 2,027,302; Jan. 7.

Rutherford, John T. (See Thompson, H. W., and Rutherford.)

Sadgebury, Herman F., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,026,849; Jan. 7.

Sadtler, Chester R., assignor to Barber-Colman Company, Rockford, Ill. Method and apparatus for heat treating high speed steel. 2,027,065; Jan. 7.

Sandt, Julius, Pirmasens, Germany. Heel nailing machine with nail feed. 2,027,132; Jan. 7.

Sanford, Hugh W., Knoxville, and F. H. Thomas, Greeneville, assignors to Program Clocks, Inc., Knoxville, Tenn. Program clock. 2,026,996; Jan. 7.

Schacht, Elmer C., Troy, N. Y., assignor, by mesne assignments, to Basic-Aluminite Corporation, Manufacture of abrasive articles. 2,027,060; Jan. 7.

Schacht, Elmer C., assignor to Basic-Aluminite Corporation, Troy, N. Y. Abrasive material. 2,027,059; Jan. 7.

Schacht, Elmer C., Troy, N. Y., assignor, by mesne assignments, to Basic-Aluminite Corporation, Method of coating and apparatus therefor and product. 2,027,057; Jan. 7.

Schaum, Paul F., Cincinnati, Ohio. Control device for power laundry machines. 2,026,850; Jan. 7.

Schatelig, Paul, Lausanne, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Sulphur dyestuffs and making same. 2,027,333; Jan. 7.

Schneider, Albert H., Carter Lake, Iowa, assignor to Baker Ice Machine Co. Inc., Omaha, Nebr. Apparatus for freezing ice cream and similar mixes. 2,027,302; Jan. 7.

Schittenhelm, Karl, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Roast mineral acid dispersions salts and preparing them. 2,027,052; Jan. 7.

Schoew, Karl F., Huntington, W. Va. Reporter. 2,026,914; Jan. 7.

Schoen, Karl, Wurzburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Sluice weir. 2,026,854; Jan. 7.

Schofield, John H. (See Coffey, S., and Schofield.)

Schott, Clarence C. (See Reed, J. C., 3d, and Schott.)

Schott, Peter, Jr., assignor to American Fixture & Showcase Manufacturing Company, St. Louis, Mo. Article display-counter. 2,026,952; Jan. 7.

Schrader's Son, Incorporated. (See Williams, Selden T., assignor.)

Schrauth, Walther, Berlin-Dahlem, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany. Procedure for the manufacture of condensation products. 2,027,361; Jan. 7.

Schroter, Rudolph. (See Lommel, W., and Schroter.)

Schroter, Karl. (See Becker, K., Schroter, and Wolf.)

Schubert, Georg, assignor to Forsach Aktien-Gesellschaft, Zehlendorf, near Berlin, Germany. Television system. 2,026,915; Jan. 7.

Schubert, Kurt, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Filter circuit. 2,027,067; Jan. 7.

Schumaker, Alan G. (See Schumaker, John S. and A. G.)

Schumaker, John S. and A. G., Asheville, N. C. Driving mechanism. 2,026,909; Jan. 7.

Schupbach, Rene M. (See Lauber, J. A., and Schupbach.)

Schwarze Electric Company. (See Rock, Peter C., assignor.)

Scott, Norman D., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Reacting alkali metals with aromatic hydrocarbons. 2,027,060; Jan. 7.

Scott & Williams, Incorporated. (See Grother, Ivan W., assignor.)

Scott, Winfield, Akron, Ohio, and H. G. Byers, Washington, D. C., assignors to The Rubber Service Laboratories Co., Akron, Ohio. Preservation of rubber. 2,027,061; Jan. 7.

Scribner, William L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing cage. 2,026,802; Jan. 7.

Seamless Rubber Company, The. (See DeLaney, Wallace W., assignor.)

Searing, Hudson S., New York, N. Y., assignor to General Electric Company. Control and protection of electric circuits. 2,027,206; Jan. 7.

Searles, Wayne S., assignor to Universal Optical Corporation, Providence, R. I. Sport ophthalmic mounting. 2,027,122; Jan. 7.

Seiferth, Hugo, Duesseldorf-Oberkassel, Germany. Rolling method. 2,027,283; Jan. 7.

Servel, Inc. (See Dowell, Alvis Y., assignor.)

Servel, Inc. (See Knight, Donald B., assignor.)

Servel, Inc. (See Munters, Carl G., assignor.)

Seversky Aero Corporation. (See Procofieff-Seversky, Alexander, assignor.)

Seversky Aero Corporation. (See Procofieff-Seversky, Alexander, assignor.)

Sharkey, William E., assignor to The Raymond Rag Company, Middlebury, Ohio. Method and apparatus for making bags. 2,027,206; Jan. 7.

Sheldon, Weldo, South Norwalk, Conn. Power system for well drilling. 2,026,709; Jan. 7.

Shellmar Products Company. (See Gilfillan, Paul M., assignor.)

Sherman, Donald W., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Automobile frame. 2,026,658; Jan. 7.

Sherman, John C., Gorham, Maine. Fountain pen. 2,026,807; Jan. 7.

Shockey, H. H. (See Lack, Arnold, assignor.)

Short, Bladen M., assignor to Lyon Cover Company, Detroit, Mich. Tire cover. 2,026,597; Jan. 7.

Siddall, William M., Jr., East Orange, N. J. Fire alarm system. 2,027,068; Jan. 7.

Siebenthaler, Thomas L., Kansas City, Mo. Routing machine. 2,026,659; Jan. 7.

Siemens & Halske, Aktiengesellschaft. (See Schubert, Kurt, assignor.)

Silberkweit, Hans, Vienna, Austria. Lighter. 2,027,294; Jan. 7.

Skelton, J. G., Company. (See Skelton, John G., assignor.)

Skelton, John G., assignor to J. G. Skelton Company, Inc., Richmond, Va. Yarn supporting device. 2,027,325; Jan. 7.

Skelton, William E. (See McCarty, B. Y., and Skelton.)

Slate, McLaughlin C., Albany, assignor to Slate Mfg. Co., Portland, Oreg. Fuel oil emulsifying device for combustion engines. 2,026,851; Jan. 7.

Slate Mfg. Co. (See Slate, McLaughlin C., assignor.)

Smith, A. O., Corporation. (See Sherman, Donald W., assignor.)

Smith, David B., Los Angeles, Calif. Valve. 2,026,916; Jan. 7.

Smith, Earl H., Flushing, N. Y. Propelling device. 2,026,917; Jan. 7.

Smith, Edward W., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Secondary or storage battery. 2,027,310; Jan. 7.

Smith, Francis H., Woodstown, N. J., and C. K. Black, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye and its preparation. 2,027,206; Jan. 7.

Smith, Harold C., Indianapolis, Ind. Signal light for motor vehicles. 2,026,710; Jan. 7.

Smith, James N., Westfield, N. J., assignor, by mesne assignments, to The Enterprise Aluminum Company. Spout attachment for vessels. 2,026,852; Jan. 7.

Smith, L. Roy, et al. (See Dann, Carl D., assignor.)

Smith, Minta A., et al. (See Dann, Carl A., assignor.)

Smith, Ralph R., assignor to The Galion Metallic Vault Company, Galion, Ohio. Lifting mechanism. 2,026,563; Jan. 7.

Smithwick, Harold, Scarsdale, N. Y., and P. Haibo, Cranford, N. J., assignors, by mesne assignments, to Ramco, Inc. Method of and apparatus for making window bags. 2,026,711; Jan. 7.

Smythe, Edwin H. (See Loveridge, F. H., and Smythe.)

Smythe, Edwin H., Evanston, Ill., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound picture apparatus. 2,027,207; Jan. 7.

Snap-on Tools, Inc. (See Gagne, Gideon E., assignor.)

"Society of Chemical Industry in Basle." (See Schatelle, Paul, assignor.)

Sorenson, Wendell L., Brooklyn, N. Y. Artificial bait. 2,027,099; Jan. 7.

Somson, Charles R., Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Ignition composition. 2,027,308; Jan. 7.

Spang, Joseph P., Quincy, Mass. Cooking appliance. 2,027,002; Jan. 7.

Spencer Manufacturing Co., The. (See Johnson, Forrest F., assignor.)

Stacy, Thomas F., assignor to The French Oil Mill Machinery Co., Piqua, Ohio. Steeping press. 2,027,252; Jan. 7.

Stafford, Charles E., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manipulation of sheet material. 2,026,754; Jan. 7.

Stahl, Frank E., and R. W. Waterstrat, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Strap fastener for tire chains. 2,027,003; Jan. 7.

Staley, A. E., Manufacturing Company. (See Gill, Lowell O., assignor.)

Standard Electric Stove Company, The. (See Pierson, Charles A., assignor.)

Standard Oil Company. (See Anderson, Louis E., assignor.)

Standard Oil Company. (See Payne, Donald E., assignor.)

Standard Oil Company of California. (See Edwards, Samuel H., assignor.)

Standard Oil Company of California. (See Thompson, H. W., and Rutherford, assignors.)

Standard Oil Development Company. (See Edson, Frank H., assignor.)

Standard Oil Development Company. (See Vernet, Jules, assignor.)

Standard Sanitary Manufacturing Company. (See Reed, J. C., 2d, and Ebbott, assignors.)

Stapleton, Victor, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treatment of hydrocarbon oil. 2,026,803; Jan. 7.

Starr, Frank M., Schenectady, N. Y., assignor to General Electric Company. Control and protection of electric circuits. 2,027,209; Jan. 7.

Steel Heddle Manufacturing Company. (See Kaufmann, John J., assignor.)

Stem, Edgar S., assignor of one-half to A. A. Stull, Allerson, Pa. Electrical connection. 2,026,755; Jan. 7.

Sterling, Percy H., Mount Lebanon, Pa. Sink. 2,026,804; Jan. 7.

Stewart, Donald H., assignor to Eastman Kodak Company, Rochester, N. Y. Camera latch. 2,027,004; Jan. 7.

Stockstrom, Arthur, and A. H. Brodbeck, assignors to American Stove Company, St. Louis, Mo. Broiler for gas ranges. 2,027,124; Jan. 7.

Stoddard, Wallace W., Savannah, Ga. Veneer machine. 2,027,295; Jan. 7.

Stoddard, William B., Jr. (See Weisberg, L., and Stoddard, Jr.)

Stoll, Albert, Koblenz, Switzerland. Reclining chair. 2,027,125; Jan. 7.

Stone, John S., San Diego, Calif., assignor to American Telephone and Telegraph Company. Composite oscillator for electromagnetic waves. 2,026,712; Jan. 7.

Stover, Oscar H., and E. H. Brigham, assignors to The Oleothesia Company, Inc., Buffalo, N. Y. Anaesthetic. 2,027,128; Jan. 7.

Stowe, Loyd R., Shaker Heights, Ohio. Stoker. 2,026,805; Jan. 7.

Strathman, Elmer G., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Guarded juice extracting machine. 2,026,918; Jan. 7.

Stright, James L., Summerside, Prince Edward Island, Canada. Compass. 2,026,919; Jan. 7.

Stuart, Kimberley, Neenah, Wis., and G. B. Linderman, Jr., Beverly, N. J. Baking utensil. 2,027,296; Jan. 7.

Stull, Albert A. (See Stem, Edgar S., assignor.)

Sturtevant, B. F., Company. (See Hansen, Milton R., assignor.)

Sturtevant, B. F., Company, Inc. (See Houston, Milton R., assignor.)

Sturtevant, B. F., Company. (See Higgins, Darragh L., assignor.)

Sucrat, Robert, Detroit, Mich. Automatic choke controlling mechanism. 2,027,070; Jan. 7.

Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Slider for slide fasteners. 2,027,526; Jan. 7.

Superheater Company, The. (See Cotterman, Rudolf M., assignor.)

Surface, Morris H., assignor to The Chain Companies, Incorporated, Wilcoxbury, Conn. Lighting fixture. 2,026,756; Jan. 7.

Sutherland Paper Company. (See Freeland, George O., assignor.)

Swanson, Edwin C. (See Abramson, J. H., and Swanson.)

Swanstrom, Arthur C., Irvington, N. J., assignor to Magnetic Stop Nut Corporation. Nut structure. 2,026,751; Jan. 7.

Sweet, Sterling S. (See McNally, J. G., and Sweet.)

Swift, Claude E. (See Bray, U. R., and Swift.)

T. R. C. Corporation. (See Plauson, Hermann, assignor.)

Talbott, Nelson S. (See Hochwalt, C. A., and Carmody, assignors.)

Talbott, Nelson S. (See Hochwalt, C. A., and Thomas, assignors.)

Talbott, Nelson S. (See Thomas, C. A., and Hochwalt, assignors.)

Tarrie, Frederick J., Silvertown, London, England, assignor to The India Rubber, Gutta Percha and Telegraph Works Company Limited, Aldwych, London, England. Aircraft wheel brake. 2,027,210; Jan. 7.

Tastenhoye, Hubert, Vilvorde, Belgium. Cone wheeled trailer for automobiles and similar vehicles. 2,027,117; Jan. 7.

Tatroe, Raymond F., Coffeyville, Kans. Boot spur. 2,027,035; Jan. 7.

Taube, Carl, Leverkusen-I. G.-Werk, and J. Hilger, Leverkusen-Wiesdorf, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuffs. 2,026,920; Jan. 7.

Taylor, Herbert J. (See Alfreds, Tooris H., assignor.)

Taylor, William E., East Orange, N. J., assignor to American Can Company, New York, N. Y. Method and apparatus for purifying oil in the coating machine. 2,026,598; Jan. 7.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hofer, E., and Kummerer, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Muth, Herbert, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rechnitzer, Rudolf, assignor.)

Tennessee Valley Authority. (See Curtis, Harry A., assignor.)

Ter Horst, William P. (See Bills, C., and ter Horst.)

Terwilliger, Ivan M., Altadena, Calif. Displaying pictures. 2,026,718; Jan. 7.

Tessmer, Edwin W., Tomahawk, Wis. Dirigible toboggan. 2,027,128; Jan. 7.

Teves, Marten C. (See DeBoer, J. H., and Teves.)

Texas Company, The. (See Clarke, Louis A., assignor.)

Texas Company, The. (See Behimer, Otto, assignor.)

Texas Company, The. (See de Florez, Luis, assignor.)

Texas Company, The. (See McCarty, R. T., and Shelton, assignors.)

Texas Company, The. (See Stapleton, Victor, assignor.)

Thomas, Charles A. (See Hochwalt, C. A., and Thomas.)

Thomas, Charles A., and C. A. Hochwalt, assignors, by mesne assignments, to Nelson S. Talbott, Dayton, Ohio. Artificially aging whisky. 2,027,129; Jan. 7.

Thomas, Fritz H. (See Sanford, H. W., and Thomas.)

Thomas, Fritz H., Greeneville, assignor to Program Clock, Inc., Knoxville, Tenn. Program clock. 2,027,086; Jan. 7.

Thomas, Henry L., East Douglas, and J. L. Trusler, Jr., signors to Whitin Machine Works, Whitinsville, Mass. Long draft spinning cradle. 2,027,211; Jan. 7.

Thompson, Albert E., San Jose, assignor to Pacific Macaroni Company, San Francisco, Calif. Fruit pitter. 2,026,806; Jan. 7.

Thompson, Harry W., and J. T. Rutherford, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Apparatus for hydrolizing acid sludge. 2,026,714; Jan. 7.

Tibbitts, Gordon C. (See Olsen, F., Tibbitts, and Kerone.)

Timken, Henry H., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing axle. 2,026,807; Jan. 7.

Timken Roller Bearing Company. (See Berliner, William L., assignor.)

Timken Roller Bearing Company, The. (See Timken, Henry H., assignor.)

Tondreau, Albert W., Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Film advancing mechanism for motion picture apparatus. 2,026,821; Jan. 7.

Towne, Thomas M., Parma, Ohio. Inspection lens. 2,027,189; Jan. 7.

Tsu, Wesley H. Long Beach, assignor of one-half to Clarence W. Hoefer, Santa Ana, Calif. Thermostatic electric circuit control apparatus. 2,027,070; Jan. 7.

Trabon Engineering Corporation. (See Hills, David R., assignor.)

Trampoesch, Frank, Huntington Station, N. Y. Paint mixer. 2,027,297; Jan. 7.

Trane Company, The. (See Miner, Robert G., assignor.)

Translode Joint Company, The. (See Robertson, Robert E., assignor.)

Tratsch, Walter A., and B. Grunig, Chicago, Ill. Coin chute. 2,026,921; Jan. 7.

Travatex Products Corporation. (See Cleghorn, Albert E., assignor.)

Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Tuning means. 2,026,661; Jan. 7.

Truslow, James L. (See Thomas, H. L., and Truslow.)

Truslow, James L., assignor to Whitin Machine Works, Whitinsville, Mass. Spinning frame. 2,027,212; Jan. 7.

Turnbull, John R., et al. (See Gillespie, Charles P., assignor.)

Turner, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Secret signaling. 2,026,758; Jan. 7.

Turner, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Superheterodyne receiver. 2,026,759; Jan. 7.

Turner, Louis E., Chicago, Ill. Sound reproducing or recording needle. 2,026,760; Jan. 7.

Tweedie, Charles, Jefferson City, Mo. Sock lining for shoes. 2,027,072; Jan. 7.

Tweedie, Charles, assignor to Tweedie Footwear Corporation, Jefferson City, Mo. Insole. 2,027,323; Jan. 7.

Tweedie Footwear Corporation. (See Tweedie, Charles, assignor.)

Tyler, Ralph S., Cleveland Heights, and W. M. Reichart, Cleveland, assignors to The Chandler & Price Company, Cleveland, Ohio. External contracting brake. 2,026,715; Jan. 7.

Union Carbide and Carbon Research Laboratories, Inc. (See Kennedy, H. E., Rotermund, and Jones, assignors.)

Union Oil Company of California. (See Bray, U. R., and Swift, assignors.)

Union Switch & Signal Company, The. (See Baughman, George W., assignor.)

Union Switch & Signal Company, The. (See Nicholson, Frank H., assignor.)

Union Switch & Signal Company, The. (See Vanhorn, James J., assignor.)

Union Switch & Signal Company, The. (See Young, Henry S., assignor.)

United Aircraft Corporation. (See Caldwell, F. W., and Martin, assignors.)

United Gas Improvement Company, The. (See Evans, Owen B., assignor.)

United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)

United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)

United Shoe Machinery Corporation. (See Haselton, George, assignor.)

United Shoe Machinery Corporation. (See Jorgensen, Bernhard, assignor.)

United Shoe Machinery Corporation. (See MacDonald, Lester S., assignor.)

United States Envelope Company. (See Kennedy, George H., Jr., assignor.)

United States Paper Mills, Inc. (See Winter, C. P. and Rosenthal, assignors.)

United States Rubber Company. (See Rice, Harold D., assignor.)

Universal Optical Corporation. (See Beariet, Wayne S., assignor.)

Universal Products Company, The. (See Warner, Archibald A., assignor.)

Upton, Charles B., Piqua, Ohio. Cooker. 2,027,131; Jan. 7.

Urschel, William E., Valparaiso, Ind. Corn picker. 2,026,761; Jan. 7.

Van Dusen, Charles A., Baltimore, Md. Pipe fitting. 2,026,964; Jan. 7.

Van Horn, James J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Signaling apparatus. 2,027,251; Jan. 7.

Vanity Fair Silk Mills. (See Burns, Charles R., assignor.)

Van Ranst, Cornelius W., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,027,329; Jan. 7.

Vereinigte Stahlwerke Aktiengesellschaft. (See Priellpp, Walter, assignor.)

Verner, Jules, Linden, N. J., assignor to Standard Oil Development Company. Insulated self buoyant floating roof for tanks. 2,026,762; Jan. 7.

Victor, Benjamin J., Oak Park, assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Gasket with integral molded flange. 2,026,854; Jan. 7.

Victor Manufacturing & Gasket Company. (See Victor, Benjamin J., assignor.)

Viebahn, William W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Flasher circuits. 2,027,253; Jan. 7.

Vierling, Oskar, Berlin, Germany, assignor to Messner Inventions, Inc. Electricity-controlled musical instrument. 2,027,078; Jan. 7.

Villem, Raymond. (See Chretz, H., and Villem.)

Vincent, Daniel B., Jacksonville, Fla. Drier. 2,026,923; Jan. 7.

Vogt, Clarence W., Louisville, Ky., and P. Phelps, Pleasantville, N. Y., assignors, by mesne assignments, to Vogt Processes, Incorporated, Louisville, Ky. Apparatus and method for continuous solidification and subdivision of ice cream and analogous products. 2,027,255; Jan. 7.

Vogt, Clarence, Wenonah, N. J. Scooter. 2,027,254; Jan. 7.

Vogt, Clarence W., assignor to Vogt Processes, Incorporated, Louisville, Ky. Refrigerating apparatus. 2,027,256; Jan. 7.

Vogt, Clarence W., assignor to Vogt Processes, Incorporated, Louisville, Ky. Cutter for bars of ice cream or the like. 2,027,257; Jan. 7.

Vogt Processes, Incorporated. (See Vogt, C. W., and Phelps, assignors.)

Vogt Processes, Incorporated. (See Vogt, Clarence W., assignor.)

Vollman, Joseph, San Francisco, Calif. Air compressing device. 2,027,076; Jan. 7.

Von Pein, Edward J., Dayton, Ohio, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Scale. 2,027,077; Jan. 7.

Voorhees, William, Flushing, N. Y. Safety razor. 2,027,213; Jan. 7.

Wall & Ocs. (See Geiger, Frederick, assignor.)

Wallace, Walter E., and D. Bell, Wayne County, Ind. Metal casket. 2,026,716; Jan. 7.

Wallace, William H., Detroit, Mich. Leaf spring. 2,026,599; Jan. 7.

Ward, Robert J. (See Kinsella, E., and Ward.)

Warner, Archibald A., Royal Oak, Mich., assignor to The Universal Products Company, Inc. Universal joint. 2,027,078; Jan. 7.

Warner, Arthur W., Media, Pa., assignor to Isbell Porter Company, Newark, N. J. Operating retorts to produce coke, gas and oil. 2,026,922; Jan. 7.

Warner Bros. Pictures, Inc. (See Tondreau, Albert W., assignor.)

Waterstrat, Raymond W. (See Stahl, F. E., and Waterstrat.)

Watkins, George E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated glass. 2,026,717; Jan. 7.

Watson, James B., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Lubricating system. 2,026,662; Jan. 7.

Webb, Christopher F., Kenton, assignor to Bell Punch Company, Limited, London, England. Ticket printing and issuing machine. 2,026,763; Jan. 7.

Webb, Keith E. (See Parkin, T. D., and Webb.)

Webster, Duane E., assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,027,122; Jan. 7.

Weigele, Albert E., East Orange, N. J., assignor to National Pneumatic Company, New York, N. Y. Antirattler door guide. 2,026,955; Jan. 7.

Weingartner, Frank A., Philadelphia, Pa. Transmission gearing. 2,026,924; Jan. 7.

Weinstein, Abraham S., Brighton, Mass. Flashing. 2,027,133; Jan. 7.

Weinstein, Abraham, Allston, Mass. Flashing. 2,027,134; Jan. 7.

Weisberg & Greenwald, Inc. (See Weisberg, L., and Stoddard, Jr., assignors.)

Weisberg, Louis, and W. B. Stoddard, Jr., assignors to Weisberg & Greenwald, Inc., New York, N. Y. Electrodeposition of metals. 2,026,718; Jan. 7.

Weisel, Edward A., Newark, N. J. Handling and displaying food products. 2,026,764; Jan. 7.

Weiss, Arthur J., St. Albans, N. Y., assignor to Robert Gair Company, Inc., New York, N. Y. Knockdown dual display container. 2,027,079; Jan. 7.

Weiss and Downs, Inc. (See Downs, Charles R., assignor.)

Weldon, Chichester P., Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Brake. 2,027,135; Jan. 7.

Wesberg, Peter, assignor of forty-nine one hundredths to H. A. Michel, Chicago, Ill. Constructing certain display and toy articles. 2,027,252; Jan. 7.

Wessel, Ludwig H. (See Hermann, W. H., and Wessel.)

Western Block Company, The. (See Lee, William J., assignor.)

Western Cartridge Company. (See Olsen, F., Tibbitts, and Kerone, assignors.)

Western Union Telegraph Company, The. (See Dirkes, R. F., and Wheeler, assignors.)

Westinghouse Electric & Manufacturing Company. (See Bostwick, Myron A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Austin, Walter M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Goldsborough, Shirley L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hayford, Benjamin L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Kimball, Richard L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Klemperer, Hans, assignor.)

Westinghouse Electric & Manufacturing Company. (See Lindstrom, True, assignor.)

Westinghouse Electric & Manufacturing Company. (See LaVeccomte, Lester B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lenz, Thomas H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lowry, Erwin F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Parks, Fred M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Vieh&hn, William W., assignor.)
Westinghouse Lamp Company. (See Henry, Donald R., assignor.)
Westinghouse X-Ray Company. (See Nelson, Albert C., assignor.)
Westinghouse X-Ray Company. (See Morrison, Montford, assignor.)
Westrope, Fred J., Detroit, Mich., assignor to The Murray Corporation of America. Window support and regulating device. 2,026,719; Jan. 7.
Weitel, Theodore A., Wauwatosa, assignor to Automatic Products Company, Milwaukee, Wis. Control system for heaters. 2,026,750; Jan. 7.
Wheat, Grant, assignor to Keebler Manufacturing Company, Marlboro, Mass. Portable electric lamp. 2,027,283; Jan. 7.
Wheeler, Evan R. (See Dirkes, R. F., and Wheeler.)
White, Marian E., Bogalusa, La. Washboard. 2,026,721; Jan. 7.
White, Harry B., Canton, Ohio, and R. C. Becker, York, Pa., assignors to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,026,800; Jan. 7.
Whitehall Patents Corporation. (See Morin, L. H., and Mariusky, assignors.)
Wiggin Machine Works. (See Thomas, H. L., and Truslow, assignors.)
Wiggin Machine Works. (See Truslow, James L., assignor.)
Whitney, Leslie D., San Francisco, Calif. Powder dispenser. 2,026,922; Jan. 7.
Wichmitt, William S., Baltimore, Md. Air distributing means for passenger cars. 1,027,250; Jan. 7.
Whyte, Henry T., San Francisco, Calif. Apparatus for precooling refrigerator cars. 2,026,855; Jan. 7.
Wickersham, Harry P. (See Burns, R., and Wickersham.)
Wikkerink, Rolf, Berlin-Karlshorst, Germany, assignor to General Electric Company. Electroresponsive apparatus. 2,027,214; Jan. 7.
Wilcox, Duncan M., Sunbilla, Bolton, England, assignor of one-half to The British Steel Piling Company, Limited, London, England. Percussive tools such as hammers and pile drivers. 2,027,500; Jan. 7.
Wilkins, Richard A., assignor to Revere Copper And Brass Incorporated, Rome, N. Y. Welding rod alloys. 2,027,209; Jan. 7.
Wilkinson, Nathan, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Well drilling system. 2,026,600; Jan. 7.
Williams, John J. (See Gray, D. M., and Williams, assignors.)
Williams, Leo L., Cleveland Heights, Ohio. Making moldings. 2,027,215; Jan. 7.
Williams, Selden T., Bellerose, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Tire valve tool. 2,026,926; Jan. 7.
Wilmot Engineering Company. (See Blatch, Francis H., assignor.)
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Winn, Sperry H., Seattle, Wash. Electric water heater. 2,026,800; Jan. 7.
Wintenberger, Paul, Sable-Sur-Sarthe, Sarthe, France. Corking machine. 2,026,927; Jan. 7.
Winter, Courtney P., and D. A. Rosenthal, assignors to United States Paper Mills, Inc., Chambersburg, Pa. Paper towel. 2,027,266; Jan. 7.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Footage indicator for motion picture apparatus. 2,027,007; Jan. 7.
Wolf, Hans. (See Becker, K., Bahnsen, and Wolf.)
Wollensak, Andrew, assignor to Wollensak Optical Company, Rochester, N. Y. Microscope. 2,026,725; Jan. 7.
Wollensak, Andrew, assignor to Wollensak Optical Company, Rochester, N. Y. Binocular zoom glass construction. 2,026,726; Jan. 7.
Wollensak, Andrew, assignor to Wollensak Optical Company, Rochester, N. Y. Lens element. 2,026,724; Jan. 7.
Wollensak Optical Company. (See Wollensak, Andrew, assignor.)
Wood, Alexander P., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. 2,027,196; Jan. 7.
Wood, Walter A., Detroit, and J. O. Aimon, Royal Oak, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Muffler. 2,027,320; Jan. 7.
Woodford, Watson H., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Molding process and molded article. 2,026,705; Jan. 7.
Woodworth, James E., Manteno, Calif. Hydrant. 2,027,003; Jan. 7.
Worthington Pump and Machinery Corporation. (See Gilman, George H., assignor.)
Wright, Lee A., Jr., Baxley, Idaho. Foot-operated transmission. 2,027,340; Jan. 7.
Wright, William D., Brockport, assignor to C. F. Robb, Jr., Webster, N. Y. Bag filling machine. 2,027,261; Jan. 7.
Wunthal, Morris, New York, N. Y. Lady's hand bag. 2,026,953; Jan. 7.
Wurlitzer Grand Piano Company. (See Holcomb, Gustav E., assignor.)
Wyscaver, Floyd Y., assignor of one-third to Henry C. Parker, Washington, D. C. Tool for opening automobile doors. 2,027,060; Jan. 7.
Yale & Towne Mfg. Co., The. (See Bennett, H. B., and Archer, assignors.)
Yale & Towne Manufacturing Company, The. (See Love, Charles B., assignor.)
Yeomans, Lucien L., Chicago, Ill. Container. 2,027,191; Jan. 7.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track switch controlling apparatus. 2,026,810; Jan. 7.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,027,216; Jan. 7.
Young, John M., Brooklyn, N. Y., assignor to American Car Company, New York, N. Y. Canning. 2,026,601; Jan. 7.
Young, John M., Brooklyn, assignor to American Car Company, New York, N. Y. Apparatus for canning. 2,026,602; Jan. 7.
Yourgalski, Francis S., Brooklyn, N. Y., assignor, by mesne assignments, to The Laboratory Corporation. Timing and safety device for bottle conveyers. 2,026,866; Jan. 7.
Youngstown Steel Door Company, The. (See Madland, Gabriel, assignor.)
Zacha, William. (See Arvesane, Mayer L., assignor.)
Zarse, Robert A., West Allis, Wis. Etching process. 2,026,903; Jan. 7.
Zeigler, Maxwell T., assignor, by mesne assignments, to Zeigler Packaged Ice Machinery Corporation, Huntington Park, Calif. Ice wrapping machine. 2,027,010; Jan. 7.
Zeigler Packaged Ice Machinery Corporation. (See Zeigler, Maxwell T., assignor.)
Zerk, Oscar U., Cleveland, Ohio. Universal joint. 2,027,128; Jan. 7.
Zerkle, Paul F., Cleveland, Ohio. Indicator. 2,027,217; Jan. 7.
Zimmerman, Arthur H., Hammond, Ind. Combination plumbing fixture. 2,026,887; Jan. 7.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Balancing machine. A. F. Mayer and F. T. McDonough. 19,812; Jan. 7.
Car, Interchangeable container freight. G. C. Woodruff. 19,815; Jan. 7.
Cock, Gas. E. E. Meany. 19,810; Jan. 7.
Electromagnetic vibrating apparatus. H. E. Wurzbach and C. H. Kenold. 19,816–17; Jan. 7.
Elevator. C. E. Ellis, Jr. 19,805; Jan. 7.
Elevator system, Electric. G. H. Grosvenor. 19,808; Jan. 7.
Footwear. H. Malin. 19,809; Jan. 7.
Fuel Treatment of motor. W. L. Benedict. 19,804; Jan. 7.
Hydrocarbons, Treating. L. Kirschbraun. 19,818; Jan. 7.
Interlocking system for railroads. S. N. Wight. 19,814; Jan. 7.
Mixing device. G. D. Moore and J. F. Beaumont. 19,811; Jan. 7.
Plate, Cake. E. O. Stendel. 19,813; Jan. 7.
Regulator compensator. F. H. Gulliksen. 19,807; Jan. 7.
Vibration instrument for bone audition. F. W. Krana. 19,806; Jan. 7.

LIST OF DESIGN INVENTIONS

Applique emblem or similar article for wearing apparel. C. Ermey. 98,058; Jan. 7.
Applique emblem or similar article for wearing apparel. C. Ermey. 98,110–111; Jan. 7.
Automobile. P. M. Lewis. 98,060; Jan. 7.
Automobile body or similar article. E. M. Ferguson. 98,060; Jan. 7.
Bag frame. W. C. Hiering. 98,122; Jan. 7.
Bathtub. J. A. Callahan. 98,061; Jan. 7.
Beverage cooler. G. V. Steffens. 98,096; Jan. 7.
Bottle. G. H. Laird. 98,077–8; Jan. 7.
Bottle and dropper, Combination. H. P. Stockler. 98,119; Jan. 7.
Bowl or similar article, Cereal. G. L. Jenks. 98,079; Jan. 7.
Box or similar article, Powder. J. S. Sherman. 98,092; Jan. 7.
Brassière. W. Rosenthal. 98,080; Jan. 7.
Brush and needle, Combined. G. E. Lofgren. 98,062; Jan. 7.
Brush, Floor. H. Cave. 98,120; Jan. 7.
Buckle. L. Alterson. 98,045; Jan. 7.
Buckle. J. J. Walsh. 98,090; Jan. 7.
Buckle. H. F. Wright. 98,101; Jan. 7.
Cabinet. S. J. Block. 98,048; Jan. 7.
Cabinet for a domestic ironing machine. G. B. Kell. 98,072; Jan. 7.
Cabinet, Wall. E. W. Swanson. 98,097; Jan. 7.
Case for calculating machines. W. W. Landmeier. 98,123; Jan. 7.
Casing for flexible measuring rules. F. A. Volz. 98,098; Jan. 7.
Casing, stand, and capping device for a bottling machine, Combined. M. Harrison. 98,066; Jan. 7.
Clock. A. S. Bittenbery. 98,069; Jan. 7.
Doll baby novelty. A. L. Gabe. 98,062; Jan. 7.
Dress. E. Hubert. 98,114; Jan. 7.
Dress display case. A. M. Knopf. 98,075; Jan. 7.
Dress, Ensemble. E. Schwartz. 98,111–13; Jan. 7.
Ear drum protector. N. P. Steckler. 98,095; Jan. 7.
Electric heater. E. Bruga. 98,050; Jan. 7.
Embroidered fabric. L. A. Silk. 98,053–4; Jan. 7.
Game board. E. H. Osbrink. 98,064; Jan. 7.
Glider. W. G. Hardy. 98,068; Jan. 7.
Jar. B. F. Conner. 98,055; Jan. 7.
Jug. A. L. Lorenson. 98,081; Jan. 7.
Lace. G. D. Bryson. 98,106; Jan. 7.
Lace. H. Giebel. 98,121; Jan. 7.
Lace. J. D. Wiener. 98,127–32; Jan. 7.
Lamp base or similar article. B. Weisman. 98,100; Jan. 7.
Lamp casing. A. L. Arenberg. 98,105; Jan. 7.
Lighting unit. J. W. Gosling. 98,112; Jan. 7.
Locomotive. E. J. W. Ragsdale. 98,126; Jan. 7.
Mass card holder. W. F. Linka. 98,116; Jan. 7.
Necktie holder. F. B. Culver. 98,057; Jan. 7.
Ornament, Automobile radiator. F. Q. Hershey. 98,098; Jan. 7.
Paper weight, clock, calendar, and support therefor, Combined. G. W. Blow. 98,046; Jan. 7.
Pedestal lamp. L. Levenson. 98,079; Jan. 7.
Piano case. G. C. Kavanagh. 98,115; Jan. 7.
Piano, Upright. W. Zaiser. 98,102–4; Jan. 7.
Plate. J. B. Clark. 98,052; Jan. 7.
Plate or similar article. J. R. Goodwin. 98,064; Jan. 7.
Pocket receptacle, Flexible. W. R. Buxton. 98,107–8; Jan. 7.
Rotary valve. V. E. Flodin. 98,061; Jan. 7.
Sash rail, Metal. H. H. Hendrickson. 98,067; Jan. 7.
Shoe. D. S. Cohen. 98,053; Jan. 7.
Shoe. P. Calella. 98,054; Jan. 7.
Shoe. S. Epstein. 98,059; Jan. 7.
Shoe. H. Goldberg. 98,063; Jan. 7.
Shoe. S. D. Schwartz. 98,091; Jan. 1.
Showcase. F. L. Pollard. 98,086; Jan. 7.
Spoon or other article of flatware. E. J. Conroy. 98,096; Jan. 7.
Spotlight. M. B. Beck. 98,047; Jan. 7.
Stand for the display of hors d'oeuvres, Service. A. Karsh. 98,071; Jan. 7.
Stick, Walking. L. G. McCorkle. 98,083; Jan. 7.
Storage battery case. O. O. Hieser. 98,087–8; Jan. 7.
Stove, Brooder. L. G. Knapp. 98,074; Jan. 7.
Stove, Solid fuel cook. G. E. Pickup. 98,085; Jan. 7.
Tank vehicle. F. G. Thwaits. 98,125; Jan. 7.
Textile fabric. O. J. Cahn. 98,109; Jan. 7.
Tobacco pipe. M. H. Barling. 98,046; Jan. 7.
Toilet seat. W. C. Groesinger. 98,118; Jan. 7.
Tray or similar article. J. H. Horsley. 98,069; Jan. 7.
Vehicle, Rail. E. J. W. Ragsdale. 98,133; Jan. 7.
Velocipede. H. L. Krafft. 98,070; Jan. 7.
Waffle iron and tray, Combined. A. S. Knapp. 98,073; Jan. 7.
Washing machine casing and wringer, Combined. A. H. Peters. 98,124; Jan. 7.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles, Manufacture of. E. C. Schacht. 2,027,306; Jan. 7.
Abrasive material. E. C. Schacht. 2,027,309; Jan. 7.
Abrasive sheet and making the same. O. S. Buckner. 2,027,067; Jan. 7.
Absorption refrigerating apparatus. D. B. Knight. 2,027,106; Jan. 7.
Acid anhydrides, Manufacture of aliphatic. C. J. Malm and W. E. Fisher. 2,026,985; Jan. 7.
Acid, Apparatus for making phosphoric. H. A. Curtis. 2,026,519; Jan. 7.
Acid calcium citrate, Manufacture of. A. H. Bennett. 2,027,204; Jan. 7.
Acid esters of fatty acid monoglycerides, Phosphoric. B. R. Harris. 2,026,765; Jan. 7.
Acid, Manufacture of acrylic. B. Hill. 2,026,894; Jan. 7.
Acid sludge, Hydrolosing. H. W. Thompson and J. T. Rutherford. 2,026,714; Jan. 7.
Adhesives, Apparatus for treating. C. A. Ball. 2,026,726; Jan. 7.
Air compressing device. J. Volliman. 2,027,076; Jan. 7.
Air conditioning apparatus. J. O. Guffey. 2,026,974; Jan. 7.
Air conditioning, Method and apparatus for. C. R. Neeson. 2,027,058; Jan. 7.
Air conditioning system. M. R. Hanson. 2,027,097; Jan. 7.
Air, Method and apparatus for conditioning. C. R. Downs. 2,026,935–6; Jan. 7.
Air, Method and apparatus for dehumidifying. C. R. Downs. 2,027,004; Jan. 7.
Aircraft. R. H. Goddard. 2,026,585; Jan. 7.
Aircraft, Apparatus for use in directing the flight of. A. Procofieff-Seversky. 2,027,350; Jan. 7.
Aircraft wheel brake. F. J. Tarris. 2,027,210; Jan. 7.
Air distributing means for passenger cars. W. B. Whittitt. 2,027,259; Jan. 7.
Airfoil construction. G. R. Barnhart. 2,026,727; Jan. 7.
Airfoil construction for airplanes. G. R. Barnhart. 2,026,728; Jan. 7.
Alarm device, Automatic. S. C. Hills. 2,026,635; Jan. 7.
Alarm system, Fire. W. M. Siddall, Jr. 2,027,066; Jan. 7.
Alcohol, Hydroaromatic. H. A. Bruson and L. W. Covert. 2,026,668; Jan. 7.
Alcohols and esters, Hydrogenation of aliphatic. W. A. Lazier. 2,027,152; Jan. 7.
Alloy. R. E. Paine. 2,026,589–92; Jan. 7.
Alloy, Free cutting. W. A. Dean and C. C. Jancure. 2,026,549–50; Jan. 7.
Alloy, Free cutting. W. A. Dean and C. C. Jancure. 2,026,577–9; Jan. 7.
Alloy, Sintered hard metallic. K. Becker, K. Schröter, and H. Wolff. 2,026,959; Jan. 7.
Alloys, Free cutting. W. L. Fink. 2,026,551; Jan. 7.
Alloys, Free cutting. H. L. Hopkins. 2,026,582; Jan. 7.
Alloys, Free cutting. L. W. Kempf and W. A. Dean. 2,026,540–48; Jan. 7.
Alloys, Free cutting. L. W. Kempf and W. A. Dean. 2,026,553–76; Jan. 7.
Alloys, Welding rod. R. A. Wilkins. 2,027,320; Jan. 7.
Altimeter. V. E. Carbonara. 2,027,068; Jan. 7.
Amplifier, Magnetic. A. S. Fitz Gerald. 2,027,311; Jan. 7.
Amplifier system. B. F. Miessner. 2,027,054; Jan. 7.
Anesthetic. O. H. Stover and E. H. Brigham. 2,027,126; Jan. 7.
Antenna, Directional. P. S. Carter. 2,027,020; Jan. 7.
Antioxidant. A. M. Clifford. 2,026,517; Jan. 7.
Arch support and bunion protector. A. Mirenta. 2,027,055; Jan. 7.
Arcing of the contacts of electrical regulating instruments, Preventing. M. Eaton. 2,026,617; Jan. 7.
Armature for magnetic movements. C. Mossick. 2,026,994; Jan. 7.
Ar-N-(Nitro-phenyl)-tetrahydro-naphthylamines and preparing same. H. C. Olpin. 2,026,748; Jan. 7.
Astigmometer. T. A. Bennett. 2,026,607; Jan. 7.
Automobile accessory. S. Faith and S. Klasstorner. 2,026,779; Jan. 7.
Automobile body. P. Aliano. 2,027,141; Jan. 7.
Automobile brake, Semiautomatic nonbacking. O. B. Hunt. 2,026,896; Jan. 7.
Automobile frame. D. W. Sherman. 2,026,658; Jan. 7.
Axle journal lubricator, Railway. G. W. D. Leslie. 2,027,110; Jan. 7.
Axle unit. A. P. Armington. 2,027,218; Jan. 7.
Azodyestuff. C. Taube and J. Hilger. 2,026,920; Jan. 7.
Azodyestuffs, Waterinsoluble. F. Muth. 2,026,908; Jan. 7.
Bag; *See*—
Lady's hand bag.
Bag filling machine. W. D. Wright. 2,027,261; Jan. 7.
Bag forming machine. H. Irmscher. 2,027,172; Jan. 7.
Bags, Method and apparatus for making. W. H. Sharkey. 2,027,295; Jan. 7.
Bags, Method of and apparatus for making valve. S. Smilowitch and P. Halko. 2,026,711; Jan. 7.
Bait, Artificial. W. L. Sorenson. 2,027,060; Jan. 7.
Balancing machine. A. Lobert. 2,026,668; Jan. 7.
Ball rolling game. A. S. Moorman. 2,027,344; Jan. 7.
Bar; *See*—
Claw bar.
Baseball game. J. C. Mayer. 2,026,791; Jan. 7.
Basket, Fruit. W. S. Lockett. 2,027,052; Jan. 7.
Basket web assembling machine. O. S. Hall. 2,026,752; Jan. 7.
Battery; *See*—
Secondary or storage battery. Storage battery.
Battery connector, Storage. A. Rocheleau. 2,027,129; Jan. 7.
Beans, Treatment of soy. L. O. Gill. 2,026,676; Jan. 7.
Bearing axle, Roller. H. H. Timken. 2,026,560; Jan. 7.
Bearing cage. W. L. Scribner. 2,026,502; Jan. 7.
Bearing for steel retainers. A. M. Peters. 2,026,768; Jan. 7.
Bearing, Making a pivot. J. H. Davis and J. C. Lemming. 2,026,774; Jan. 7.
Belt for X-ray apparatus, Immobilizer. A. C. Nelson. 2,027,318; Jan. 7.
Binocular zoom glass construction. A. Wollensak. 2,026,723; Jan. 7.
Blank for container closures and making the same. L. S. La Bombard. 2,027,248; Jan. 7.
Blanket, Printer's. H. D. Rice. 2,027,323; Jan. 7.
Block; *See*—
Snatch block.
Blower. W. H. Leinweber. 2,026,689; Jan. 7.
Boat propelling device. A. Granger. 2,026,826; Jan. 7.
Boiler; *See*—
Steam or hot water boiler.
Bolt. A. A. Kirley. 2,026,666; Jan. 7.
Bolt making machine. W. L. Clouse. 2,026,823; Jan. 7.
Book holder and marker. P. C. Payne. 2,026,796; Jan. 7.
Bottle carrier. C. Korts. 2,026,525; Jan. 7.
Bottle, Water. M. S. Roach. 2,027,290; Jan. 7.
Box; *See*—
Cake box. Lunch box.
Box. O. L. Hots. 2,026,976; Jan. 7.
Box and making it. G. E. Nelson. 2,026,696; Jan. 7.
Bracket; *See*—
Venetian blind bracket.
Brake; *See*—
Aircraft wheel brake. Self-adjusting brake.
Automobile brake.
External contracting brake. Vehicle brake.
Brake. C. P. Weldon. 2,027,185; Jan. 7.
Brake drums, Making. W. H. Carr. 2,026,578; Jan. 7.
Broiler for gas ranges. A. Stockstrom and A. H. Denbeck. 2,027,124; Jan. 7.
Brush, Dispensing fountain. W. D. Heatherson. 2,026,586; Jan. 7.
Brush holder. R. C. Monteith. 2,026,644; Jan. 7.
Buckle. D. I. Reiter and J. H. Arthur. 2,026,750; Jan. 7.
Building construction. J. E. Hoover. 2,027,296; Jan. 7.
Building construction fabricating device. J. A. Irwin. 2,026,835; Jan. 7.
Building unit. W. L. Goelts and M. Bredsky. 2,026,838; Jan. 7.
Burner; *See*—
Oil burner.
Burner construction, Gas. A. W. Fulton. 2,027,157; Jan. 17.
Cabinet, chest, and the like. H. Derman. 2,027,154; Jan. 7.
Cabinet for collapsible tubes. E. Cairns. 2,026,304; Jan. 7.
Cable clamp. E. W. Cooper. 2,026,824; Jan. 7.
Cable, Electric. G. W. Baughman. 2,027,223; Jan. 7.
Cake box, Slice measuring. O. W. Happold. 2,027,196; Jan. 7.
Calcium chloride, Deodorized. C. R. Downs. 2,027,003; Jan. 7.
Calculator, Noon interval. H. M. Jensen. 2,026,536; Jan. 7.
Calendar. O. W. Pendergast. 2,027,286; Jan. 7.
Calendar, Automatic. A. K. H. Gerstenberg. 2,026,802; Jan. 7.
Camera and projector, Motion picture. L. B. T. Branch. 2,026,980; Jan. 7.
Camera construction. C. W. Crumrine. 2,027,338; Jan. 7.
Camera, Folding. L. Goldhammer. 2,026,877; Jan. 7.

Camera latch. D. E. Sargent. 2,027,004; Jan. 7.
Can feeding mechanism. N. P. Bach. 2,026,811; Jan. 7.
Canning, Apparatus for. J. M. Young. 2,026,602; Jan. 7.
Canning method. J. M. Young. 2,026,601; Jan. 7.
Cap for collapsible tubes and the like. J. E. Hall, Sr. 2,026,553; Jan. 7.
Car heater. H. C. Rice. 2,026,553; Jan. 7.
Car and H. MacIlvain. 2,026,646; Jan. 7.
Carbon bisulphide, Production of. M. J. Leahy. 2,026,849; Jan. 7.
Carburetor. J. D. Basher. 2,027,236; Jan. 7.
Carburetor. C. H. Kirby. 2,026,733; Jan. 7.
Carburetor. C. N. Pogue. 2,026,788; Jan. 7.
Card analyzing machine. R. A. Ford. 2,027,062; Jan. 7.
Card Index and the like. F. H. Loveridge and E. H. Smythe. 2,026,583; Jan. 7.
Carrier; *See*—
Bottle carrier.
Case; *See*—
Shipping case.
Cash register. H. F. Sedgwick. 2,026,849; Jan. 7.
Casing; *See*—
Tire casing.
Casket, Metal. W. E. Walker and D. Bell. 2,026,716; Jan. 7.
Catalyst. R. S. Johnson. 2,027,316; Jan. 7.
Catalyst for the reduction of sulphur dioxide, Preparing a. M. C. Boswell. 2,026,839; Jan. 7.
Catch, Hood. T. T. Logie. 2,026,640; Jan. 7.
Cellulose product, Producing a. J. Campbell and R. G. Quinn. 2,026,865; Jan. 7.
Cereals, Apparatus for puffing. J. L. Ferguson. 2,026,734; Jan. 7.
Chair; *See*—
Reclining chair.
Change-speed gear, Continuously variable. A. Rask and J. Krautschneider. 2,026,928; Jan. 7.
Channel cleaning and lubricating system for lubricated valves, Selective. J. C. Hahn. 2,026,891; Jan. 7.
Chart display apparatus. F. Geiger. 2,026,881; Jan. 7.
Chuck, Work. W. S. Kiby and D. Gurney. 2,026,629; Jan. 7.
Chute, Coin. W. A. Tratsch and E. Granig. 2,026,921; Jan. 7.
Circuit arrangement, Rectifier. H. Rechnitzer. 2,026,800; Jan. 7.
Circuit breaker. W. M. Austin. 2,027,219; Jan. 7.
Circuit breaker. T. Lindstrom. 2,027,238; Jan. 7.
Circuit breaker apparatus. B. L. Hayford. 2,027,228; Jan. 7.
Circuit, Keying. W. W. Eitel and J. McCullough. 2,026,874; Jan. 7.
Circuit, Trunk. A. Pagel. 2,027,197; Jan. 7.
Circuits, Flasher. W. W. Behnke. 2,027,253; Jan. 7.
Circuits for employing capacitative currents, Electric. G. D. Robinson. 2,027,284; Jan. 7.
Clamp; *See*—
Cable clamp. Releasing clamp.
Clamping device. G. O. Bolton. 2,027,220; Jan. 7.
Claw bar. J. T. Lane. 2,026,581; Jan. 7.
Clay homogenizing, Method and apparatus. M. F. H. Gouverneur. 2,026,744; Jan. 7.
Cleaner; *See*—
Fine cleaner. Vacuum cleaner.
Suction cleaner.
Clock, Program. H. W. Stafford and F. H. Thomas. 2,026,998; Jan. 7.
Clock, Program. F. H. Thomas. 2,027,006; Jan. 7.
Cloth, Pot. E. L. Hartwell. 2,026,682; Jan. 7.
Clutch; *See*—
Friction clutch.
Clutch controlling mechanism, Automatic. R. Sucost. 2,027,070; Jan. 7.
Clutch mechanism. C. A. Lane. 2,026,945; Jan. 7.
Coal-cutting machine. S. Z. Peaced, H. R. Hornsby, and G. W. N. Harrison. 2,026,702; Jan. 7.
Coating and apparatus therefor and product, Method of. E. L. Schacht. 2,027,307; Jan. 7.
Coating composition. S. A. Flood and J. A. Hanmer. 2,027,095; Jan. 7.
Cock or valve. H. Kwasnik. 2,027,108; Jan. 7.
Coffee making device. D. P. Flood. 2,027,273; Jan. 7.
Coffee, Packaging. J. G. Hopkins. 2,027,342; Jan. 7.
Colored articles, Manufacture of decoratively. A. B. Cleeborn. 2,027,021; Jan. 7.
Comb, Toilet. H. E. Rose. 2,027,121; Jan. 7.
Combination lock. S. W. Clear. 2,026,932; Jan. 7.
Combustion engine. T. Pratt. 2,026,706; Jan. 7.
Compass. J. L. Stright. 2,026,919; Jan. 7.
Condensation products. W. Koppe and E. Keyssner. 2,027,199; Jan. 7.
Condensation products, Procedure for the manufacture of. W. Schrauth. 2,027,351; Jan. 7.
Confection. R. R. Harris. 2,027,167; Jan. 7.
Connecter; *See*—
Battery connecter.
Contact device. E. Rudolph. 2,027,277; Jan. 7.
Container. J. M. Bacon. 2,027,035; Jan. 7.
Container. P. M. Gross. 2,026,826; Jan. 7.
Container. R. J. and G. A. Hutt. 2,027,231; Jan. 7.
Container. V. E. LeConte. 2,026,946; Jan. 7.
Container. L. I. Yeomans. 2,027,137; Jan. 7.
Container closure. J. B. Elson. 2,026,987; Jan. 7.
Control and protection of electric circuits. W. J. McLachlan. 2,027,189; Jan. 7.
Control and protection of electric circuits. H. B. Searing. 2,027,204; Jan. 7.
Control and protection of electric circuits. E. M. Starr. 2,027,260; Jan. 7.
Control device for power laundry washers. P. F. Lehman. 2,026,850; Jan. 7.
Control means for telegraph printers and projectors. R. F. Dirkes and E. E. Wheeler. 2,027,029; Jan. 7.
Control of fluid pressure devices. R. Bring. 2,027,356; Jan. 7.
Control system. R. L. Kimball. 2,027,224; Jan. 7.
Control system for heaters. T. A. Wetzel. 2,026,720; Jan. 7.
Controlling device, Automatic. J. D. Ross. 2,026,596; Jan. 7.
Converter. E. L. Ragonnet. 2,026,799; Jan. 7.
Conveyer, Pneumatic. J. A. Farley. 2,026,782; Jan. 7.
Conveyer structure. H. E. Bogaty. 2,027,266; Jan. 7.
Cooker. C. B. Upton. 2,027,131; Jan. 7.
Cooking appliance. J. P. Spang. 2,027,002; Jan. 7.
Cooling means for internal combustion engines. E. W. Ruber. 2,026,848; Jan. 7.
Cord holder. M. L. Brashears. 2,027,085; Jan. 7.
Corking machine. P. Wintenberger. 2,026,927; Jan. 7.
Corn picker. W. E. Urschel. 2,026,761; Jan. 7.
Corrugating machine. L. H. Brinkman. 2,027,018; Jan. 7.
Cosmetic applicator. R. Lawry. 2,027,286; Jan. 7.
Counter Article display. P. Schott, Jr. 2,026,953; Jan. 7.
Cover; *See*—
Tire cover. Utensil cover.
Covers for containers, Forming slip. L. E. La Bombard. 2,027,344; Jan. 7.
Crab meat, Canning of. C. R. Fellers. 2,027,270; Jan. 7.
Cracking process for hydrocarbon oils. F. H. Edson. 2,027,355; Jan. 7.
Cradle, Long draft spinning. H. L. Thomas and J. L. Trunlow. 2,027,211; Jan. 7.
Crate. C. O. Ewell. 2,026,966; Jan. 7.
Crate, Collapsible. A. N. Dedmon. 2,026,871; Jan. 7.
Cuff Finger. A. D. Cushing. 2,026,906; Jan. 7.
Cultivating implement. L. C. Gossett. 2,026,887; Jan. 7.
Cushion fit cap. D. M. Gray and J. J. Williams. 2,026,880; Jan. 7.
Cutter for bars of ice cream or the like. C. W. Vogt. 2,027,257; Jan. 7.
Cutter mechanism for packaging machines. R. J. and G. A. Hutt. 2,027,232; Jan. 7.
Cylinder, Compound. H. C. Bowen. 2,027,267; Jan. 7.
Cylinder of rotary duplicating machines, Printing. S. T. Morrell and H. G. St. V. Beechey. 2,026,906; Jan. 7.
Cylinder, Power. N. A. Christensen. 2,026,672; Jan. 7.
Cylindrical articles, Method and apparatus for wrapping. A. H. Haupt. 2,026,582; Jan. 7.
Deconcentrator for locomotive boilers. R. M. Ostermann. 2,026,961; Jan. 7.
Demonstration apparatus. C. E. Johansson. 2,026,664; Jan. 7.
Derivatives of urea. S. Coffey and J. R. Schofield. 2,027,150; Jan. 7.
Detection device. J. Flaws, Jr. 2,027,137; Jan. 7.
Dewaxing. D. E. Payne. 2,026,651; Jan. 7.
Dial for knitting machines. I. W. Grothey. 2,027,276; Jan. 7.
Diazo printing and materials therefor, Accelerated. W. M. Hinman. 2,027,229; Jan. 7.
Dilator, Gravity thermal. W. P. B. Nemsek. 2,026,747; Jan. 7.
Direct trip device. M. A. Bostwick. 2,027,221; Jan. 7.
Dispenser; *See*—
Powder dispenser.
Dispenser for oil cans. E. L. Nall. 2,026,553; Jan. 7.
Display and toy articles, Constructing curtain. P. Weisberg. 2,027,252; Jan. 7.
Display container, Knockdown dual. A. J. Weiss. 2,027,079; Jan. 7.
Display device. L. W. Rosenthal and J. S. Meyer. 2,026,753; Jan. 7.
Divisional feeder. D. P. Hills. 2,027,171; Jan. 7.
Doll head. J. A. Manning. 2,026,990; Jan. 7.
Dolls' heads and the like, Molding of. L. J. Grubman. 2,027,164; Jan. 7.
Dolls' heads and the like, Molding of. L. J. Grubman. 2,027,165; Jan. 7.
Door, Car. G. Madland. 2,027,242; Jan. 7.
Doorcheck. M. B. Hemingway. 2,027,170; Jan. 7.
Door guide, Antirattler. A. E. Weirele. 2,026,955; Jan. 7.
Door opening and closing device. C. E. Allen. 2,026,956; Jan. 7.
Door operating mechanism, Self-locking. H. Erickson. 2,026,876; Jan. 7.
Draft appliance. J. Kuchar. 2,027,046; Jan. 7.
Draft regulator, Thermostatically adjusted. L. S. Chadwick, M. Resek, and J. A. Dahlstrom. 2,026,896; Jan. 7.
Drain plug, Flowerpot. P. Higgins. 2,026,679; Jan. 7.
Drier; *See*—
Hair drier. Tenter drier.
Drier. W. L. Martin. 2,026,991; Jan. 7.
Drier. D. B. Vincent. 2,026,928; Jan. 7.
Drier and kiln unit, Combination. E. C. Newhouse. 2,027,059; Jan. 7.
Drill; *See*—
Submarine drill.
Drilling rig, Portable. G. H. Gilman. 2,026,827; Jan. 7.

Drive for circulating mechanism, Variable speed. A. Procopiu-Seversky. 2,026,912; Jan. 7.
Drive for sinker conveyers. R. Moore. 2,027,284; Jan. 7.
Drive, Motorized. R. E. Manley. 2,027,111; Jan. 7.
Driving head for machines, Balanced. F. F. Johnson. 2,027,174; Jan. 7.
Driving mechanism. J. B. Schramlitz and A. G. Schumaker. 2,026,999; Jan. 7.
Dry cell. P. Corigliano and L. Fratzman. 2,026,815; Jan. 7.
Drying apparatus. W. L. Martin. 2,026,902; Jan. 7.
Dust Cloth. H. D. Morriam. 2,027,112; Jan. 7.
Dye and its preparation, Azo. F. H. Smith and C. K. Bloor. 2,027,306; Jan. 7.
Dye baths and printing colors for naphthol dyeing, Making of. H. Bertsch. 2,026,817; Jan. 7.
Dyes and their production, Pyrazolone etc. W. Bonadé. 2,026,861; Jan. 7.
Dyestuff intermediate. N. H. Haddock, F. Lodge, and R. Robinson. 2,026,629; Jan. 7.
Dyestuffs and making same, Sulphur. P. Schetelig. 2,027,323; Jan. 7.
Dyestuffs and their production, Diazo. A. H. Knight. 2,027,178; Jan. 7.
Earthenware, Manufacture of. W. B. Flower. 2,026,624; Jan. 7.
Edge-illuminated sign. T. J. D. Fuller, Jr. 2,027,034; Jan. 7.
Egg product. D. K. Harris and M. C. Reynolds. 2,026,631; Jan. 7.
Electric machine, Dynamo. A. P. Wood. 2,027,126; Jan. 7.
Electric motor. J. Mamaix. 2,026,643; Jan. 7.
Electric power unit. J. D. Christian. 2,027,149; Jan. 7.
Electric translating device for musical instruments. A. Lesti. 2,026,841; Jan. 7.
Electrical apparatus. H. M. Dressel. 2,026,772; Jan. 7.
Electrical connection. E. S. Stem. 2,026,785; Jan. 7.
Electrical control system. A. Pfister. 2,027,196; Jan. 7.
Electrical instrument. T. D. Parkin and E. S. Webb. 2,027,195; Jan. 7.
Electrical oscillation generator. G. F. Brett. 2,027,017; Jan. 7.
Electrical switch. H. M. Dressel and K. C. Allison. 2,026,775; Jan. 7.
Electron discharge device. J. P. Laico. 2,027,130; Jan. 7.
Electron discharge device control system. C. Bryahildsen and E. Kern. 2,026,771; Jan. 7.
Electrorepressive apparatus. E. Wideröe. 2,027,214; Jan. 7.
Elevator. L. B. Neighbour. 2,026,794; Jan. 7.
Emulsifying apparatus. T. H. Alfredz. 2,026,604; Jan. 7.
Engine: *See*—
Combustion engine. Internal combustion engine.
Envelope. G. H. Kennedy, Jr. 2,026,837; Jan. 7.
Envelope opening machine. A. J. Keiser. 2,027,045; Jan. 7.
Ester of cellulose, Preparation of high viscosity mixed. C. J. Malm. 2,026,986; Jan. 7.
Esters of N-P-aminoaryl-carbamic acids and producing the same. E. E. Etselmiller. 2,026,616; Jan. 7.
Etching process. R. A. Zarse. 2,026,603; Jan. 7.
Evener motion for pickers, Sensitized. J. A. Morrell. 2,026,905; Jan. 7.
Exercising apparatus. R. J. Forbes. 2,027,272; Jan. 7.
Expanding necktie holder. C. A. Ritter. 2,027,119; Jan. 7.
External contracting brake. R. S. Tyler and W. M. Reichart. 2,026,715; Jan. 7.
Extrusion apparatus. R. Kinsella and E. J. Ward. 2,026,740; Jan. 7.
Eyeglass construction. J. A. Lauber and R. M. Schupbach. 2,027,100; Jan. 7.
Eyeshade. J. R. Woodworth. 2,027,008; Jan. 7.
Fading eliminator. J. W. Conklin. 2,027,022; Jan. 7.
Fastener for tire chains, Strap. F. E. Stahl and R. W. Waterstreet. 2,027,009; Jan. 7.
Fastener for tire chains, Strap. F. R. Stah and R. W. Waterstreet. 2,027,005; Jan. 7.
Fastening device. H. A. Bigham. 2,026,930; Jan. 7.
Feeder: *See*—
Divisional feeder.
Fibers, Liberating. J. A. Minahan. 2,026,584; Jan. 7.
Filaments or threads, Manufacture of artificial. H. Dreyfus. 2,026,730; Jan. 7.
File and making the same. P. E. Heller. 2,027,039; Jan. 7.
File, Curved tooth. P. E. Heller. 2,027,040; Jan. 7.
Film advancing mechanism for motion picture apparatus. A. W. Tondreau. 2,026,600; Jan. 7.
Film for color photography. J. G. Capstaff. 2,026,964; Jan. 7.
Film magazine. D. F. Lyman. 2,026,954; Jan. 7.
Film stop for cameras, Automatic. C. W. Crumrine. 2,027,552; Jan. 7.
Films or plates, Retouching photographic. K. Kipphan. 2,026,899; Jan. 7.
Filter circuit. K. Schubert. 2,027,067; Jan. 7.
Filter for restaurants, Oil. C. A. Compton. 2,026,887; Jan. 7.
Finger ring. H. A. Niven and B. Kiff. 2,027,092; Jan. 7.
Fire extinguishing and alarm apparatus. E. A. Lowe and J. R. Hamilton. 2,027,051; Jan. 7.
Fishing reel. H. F. Maynes. 2,027,053; Jan. 7.
Fishing reel. M. F. Shepard. 2,027,095; Jan. 7.
Fishing tool. W. H. Dumble. 2,026,775; Jan. 7.
Flashlight. A. S. Weingarten. 2,027,183-4; Jan. 7.
Flooring block. B. C. Rockwell. 2,027,208; Jan. 7.
Flooring material and making same. H. W. Richter. 2,026,594; Jan. 7.
Flow lines, Method and apparatus for preventing. W. B. Lalling. 2,026,947-8; Jan. 7.
Flue cleaner. E. M. Jahrmann. 2,026,830; Jan. 7.
Flue cleaning machine. T. J. Jackson and J. A. Bateman. 2,027,175; Jan. 7.
Foaming solutions, Method and apparatus for concentrating briskly. H. Ömen. 2,027,116; Jan. 7.
Food products, Handling and [illegible]. R. A. Weisl. 2,026,764; Jan. 7.
Footage indicator for motion [illegible] apparatus. O. Whitel. 2,027,007; Jan. 7.
Form, Shoe. A. O. Logge. [illegible]; Jan. 7.
Frame: *See*—
Automobile frame.
Sash and window frame. [illegible] frame.
Friction clutch. C. Post. [illegible] Jan. 7.
Friction elements, Making. [illegible] A. H. Alby. 2,026,767; Jan. 7.
Fumigating Apparatus for disinfection of. W. W. Hinds. 2,027,041; Jan. 7.
Furniture spring seat. C. C. [illegible]. 2,026,643; Jan. 7.
Fuse and switch receptacle. W. J. Maurath. 2,026,907; Jan. 7.
Game. L. D. Krupp. [illegible]; Jan. 7.
Game apparatus. H. McClellan. [illegible]; Jan. 7.
Games, Apparatus for playing. O. L. Seffrine. 2,026,668; Jan. 7.
Garment. M. C. Friedagh. [illegible]; Jan. 7.
Gas analysis apparatus. [illegible] Mahnemann. 2,026,842; Jan. 7.
Gas with heavy oil, Manufacture of carburetted water. G. B. Evans. 2,026,677; Jan. 7.
Gasket centering means. H. Hübner, Jr., and S. S. Lippincott. 2,027,260; Jan. 7.
Gasket with integral molded flange. R. J. Victor. 2,026,854; Jan. 7.
Gasoline, Making. O. Rohmer. 2,027,014; Jan. 7.
Gear: *See*—
Change-speed gear. Transmission gear.
Running gear.
Gear for vehicles, Running. O. Hooker. 2,027,094; Jan. 7.
Gear testing machine. C. G. Olpen. 2,026,640; Jan. 7.
Generator: *See*—
Electrical ozonation gas. High frequency generator.
Generator, Wind driven. W. G. Dunn. [illegible]; Jan. 7.
Girdle with internal supporting panels, Wasp knit. C. R. Burns. [illegible]; Jan. 7.
Glass forming machine. A. J. McNab. [illegible]; Jan. 7.
Glass, Laminated. J. G. Gallaly and R. S. Burst. 2,026,907; Jan. 7.
Glass, Laminated. G. R. Watkins. 2,026,717; Jan. 7.
Golf club. R. Foster. [illegible]; Jan. 7.
Governor. B. Krauss. [illegible]; Jan. 7.
Grain in storage, Preserving. T. E. Davis. 2,027,208; Jan. 7.
Grate, Stove. M. J. McLaine. [illegible]; Jan. 7.
Grid construction of electric discharge devices. G. E. Kellenbeck. [illegible]; Jan. 7.
Grid-glow tube position indicating construction. P. H. Long. 2,027,229; Jan. 7.
Grille, Overhead-acting. M. L. Cornell. 2,027,190; Jan. 7.
Grinding wheel. D. E. Wadsley. 2,027,123; Jan. 7.
Grinder, Food. L. J. Lantz. [illegible]; Jan. 7.
Grip mechanism for cableways. C. Sauder. [illegible]; Jan. 7.
Guide, Window glass. D. A. Greene. [illegible]; Jan. 7.
Guiding arrangement for a dependent superelevating machine. C. J. Hughey. 2,026,976; Jan. 7.
Guns, Packed joint for. S. G. Hoyer. [illegible]; Jan. 7.
Hair crier. J. B. Kelley. [illegible]; Jan. 7.
Hair crier. R. A. Olsen. [illegible]; Jan. 7.
Hairpin, Needlepoint. J. E. Johnson. [illegible]; Jan. 7.
Handle for pails. J. M. Hochwarth. [illegible]; Jan. 7.
Hanger for playground swings. J. B. Martin. [illegible]; Jan. 7.
Heat exchange apparatus. D. L. Higgins. 2,027,215; Jan. 7.
Heater: *See*—
Car heater. Water heater.
Heater and ventilator for motor vehicles. J. C. Bell. 2,026,689; Jan. 7.
Heating element for electric stoves, Inclosed. C. A. Fiveson. 2,026,797; Jan. 7.
Heel nailing machine with nail feed. J. Sandt. 2,027,133; Jan. 7.
High frequency generator. E. M. Hobson. [illegible]; Jan. 7.
Hoist for semitrailers. H. W. Holmes. [illegible]; Jan. 7.
Holder: *See*—
Brush holder. Separating nozzle holder.
Card holder. Stocking holder.
Hood latch. H. A. Mears. [illegible]; Jan. 7.
Hook: *See*—
Safety scotch hook.
Hopper for telephone toll collecting apparatus, Coin. G. A. Long. [illegible]; Jan. 7.

Houses with displaced quarters, Row of. H. Berthing. 2,026,664; Jan. 7.
Humidity and temperature control for incubation. H. C. Ross. 2,026,801; Jan. 7.
Hydraulic device for oil well pumping. M. Kahr and J. S. Kahr. 2,027,104; Jan. 7.
Hydraulic transmission. J. E. Douglas. 2,026,776; Jan. 7.
Hydrocarbons from paraffins, Production of unsaturated. H. Dreyfus. [illegible]; Jan. 7.
Ice cream and [illegible] products, Apparatus and method for continuous [illegible] and pulverization of. C. W. Vogt and [illegible]. 2,027,365; Jan. 7.
Ice cream [illegible] mixes, Apparatus for freezing. A. H. Schneider. [illegible]; Jan. 7.
Ice wrap [illegible]. M. T. Seigler. 2,027,010; Jan. 7.
Ignition [illegible]. C. H. Somers. 2,027,306; Jan. 7.
Illumina[illegible]. F. Piper. 2,027,[illegible]; Jan. 7.
Illumina[illegible] of. W. I. Prosser. [illegible]; Jan. 7.
Impedan[illegible]. L. Goldschmidt. 2,027,226; Jan. 7.
Indicator: *See*—
Station [illegible].
Incander[illegible]. Portable. C. S. McGill. 2,026,782; Jan. 7.
Inclinom[illegible]. Hudlow. 2,026,806; Jan. 7.
Incubato[illegible]. 2,026,590; Jan. 7.
Indanthr[illegible] of halogenated. J. Ogilvie. 2,026,6[illegible]; Jan. 7.
Indicating [illegible] for arc welding. R. W. David. 2,027,234; Jan. 7.
Indicator. F. F. Rankin. 2,027,217; Jan. 7.
Ink well and holder, Combined. C. G. Gregory. 2,026,539; Jan. 7.
Insole. C. [illegible]. 2,027,228; Jan. 7.
Internal [illegible] engine. J. E. Davis. 2,026,570; Jan. 7.
Iron, Pressing. L. Parets. 2,027,063; Jan. 7.
Ironing device. R. B. Foster. 2,027,274; Jan. 7.
Joint: *See*—
Universal joint.
Joint and [illegible] construction, Wood. E. F. Conrad. 2,026,[illegible]; Jan. 7.
Joint for electric cables. F. C. Meyer and G. R. Moffitt. 2,026,537; Jan. 7.
Juice extracting [illegible] machine, Guarded. E. G. Streckfuss. 2,026,[illegible]; Jan. 7.
Keying. C. [illegible]. 2,027,035; Jan. 7.
Kitchen [illegible] device. A. C. Gilbert and S. P. Merne. 2,027,[illegible]; Jan. 7.
Knitting machine. S. W. Lippitt. 2,026,744; Jan. 7.
Knitting machine. S. J. Matrod. 2,026,745; Jan. 7.
Labels, [illegible] stamps, and the like, Apparatus for delivering [illegible]. H. E. von Pettenpaus. 2,027,267; Jan. 7.
Ladder mount. T. Hooker. 2,026,535; Jan. 7.
Lady's hand bag. M. Wuntzal. 2,026,963; Jan. 7.
Lamp: *See*—
Incandescent lamp. Portable electric lamp.
Light and test lamp.
Lamp shade or similar article and making the same. Dipped-[illegible]. E. Greeman. 2,026,939; Jan. 7.
Landing apparatus for airplanes. J. Goldman. 2,027,162; Jan. 7.
Last manufacture. S. J. Finn. 2,026,650; Jan. 7.
Lasting machine. P. Jorgensen. 2,026,589; Jan. 7.
Latch: *See*—
Camera latch.
Hood latch.
Leaf spring. W. H. Wallace. 2,026,680; Jan. 7.
Leer. L. J. Reese, Sr. 2,026,757; Jan. 7.
Leer, Vertical glass annealing. P. L. Geer. 2,026,781; Jan. 7.
Lens, Inspecting. [illegible] M. Tyree. 2,027,120; Jan. 7.
Lens mount. A. Wellenzak. 2,026,724; Jan. 7.
Lenses, Making ophthalmic. W. Bennett. 2,026,909; Jan. 7.
Leuco compounds, Formation of. L. S. Bake. 2,027,144; Jan. 7.
Lift. C. W. Hinger. 2,026,953; Jan. 7.
Lifting [illegible]. W. E. Smith. 2,026,958; Jan. 7.
Light and [illegible] Utility. A. J. Hammer. 2,027,094; Jan. 7.
Light for motor vehicle signal. H. O. Smith. 2,026,710; Jan. 7.
Lighter. H. [illegible]. 2,027,296; Jan. 7.
Lighting [illegible]. H. E. Barbee. 2,026,756; Jan. 7.
Lip stick, [illegible]. R. S. Cornell, Jr. 2,026,968; Jan. 7.
Liquid dispensing apparatus. K. H. Bradley. 2,026,909; Jan. 7.
Liquid dispensing device. W. H. Beaney. 2,026,518; Jan. 7.
Loading machine. F. Cartlidge. 2,027,061; Jan. 7.
Lock: *See*—
Combination lock.
Lock. C. [illegible]. 2,027,186; Jan. 7.
Locking, [illegible] and lightning device, Adjustable. A. Millinger. [illegible]; Jan. 7.
Locomotive. [illegible]. 2,026,646; Jan. 7.
Locomotive. [illegible] Curtis. 2,026,707; Jan. 7.
Locomotive [illegible] burner, dust passing, flue cleaning structure. F. H. Shumacher, Jr. 2,027,209; Jan. 7.
Loom harness. J. J. Kaufmann. 2,026,787; Jan. 7.
Lubricator: *See*—
Axle journal lubricator. Shelf-type lubricator.
Lubricating system. J. B. Watson. 2,026,663; Jan. 7.
Lubricator. C. L. Daun. 2,027,024; Jan. 7.
Lunch box. I. H. Devine. 2,026,967; Jan. 7.
Machine for coating strips of lumber. E. P. Dittmar. 2,026,821; Jan. 7.
Machine for operating upon shoe parts. G. Hamilton. 2,026,884; Jan. 7.
Machine for preparing pastes. M. and G. Brabenti. 2,026,697; Jan. 7.
Machine for refining paper stock and pulp. W. E. Hermes and L. H. Wetzel. 2,027,041; Jan. 7.
Machine for rounding and channeling soles. J. E. Hadaway. 2,026,638; Jan. 7.
Machine for testing accuracy of gears. G. L. Harness. 2,026,764; Jan. 7.
Machine for trenchless boring. J. W. Beitel. 2,027,063; Jan. 7.
Magnetic amplifying and control system. A. S. Fitzgerald. 2,027,312; Jan. 7.
Massaging and bathing apparatus. E. Kabat. 2,026,981; Jan. 7.
Materials by fluid streams, Apparatus for separating. M. E. Haworth. 2,026,633; Jan. 7.
Matter in manufactured material, Dispersing. W. W. Carter. 2,027,060; Jan. 7.
Measuring device. F. A. Janssens. 2,026,681; Jan. 7.
Mechanical operations on moving work, Method of and apparatus for performing. G. O. Frostad. 2,026,780; Jan. 7.
Mechanical movement. E. E. Foster. 2,027,275; Jan. 7.
Mechanism for separating the books of an interconnected book-end. O. Kleinschmidt and O. Muller. 2,027,105; Jan. 7.
Mercaptobenzothiazyl-arylidenylphides, M. Bögemann. 2,026,553; Jan. 7.
Metal lacing. E. E. Butterfield. 2,026,671; Jan. 7.
Metals contained in ferruginous sulphide ores or roasts, Sulphating the non-ferrous. C. P. Dolnick. 2,026,715; Jan. 7.
Metals, Electrodeposition of. L. Weinberg and W. B. Stoddard, Jr. 2,026,718; Jan. 7.
Metals of the platinum group, Electrodeposition of. A. R. Powell and E. C. Davies. 2,027,258; Jan. 7.
Metals with aromatic hydrocarbons, Reacting alkali. N. D. Scott. 2,027,060; Jan. 7.
Metals, Working and treating. F. L. Antisell. 2,026,605; Jan. 7.
Mica products, Producing. F. C. Atwood. 2,027,082; Jan. 7.
Microscope. A. Wellenzak. 2,026,722; Jan. 7.
Minerals, Flotation of. F. G. Moses, R. W. Hess, and R. L. Perkins. 2,027,257; Jan. 7.
Mitten, Three fingered. B. T. Baskin. 2,027,034; Jan. 7.
Mixing machine. E. O. Loomis. 2,027,185; Jan. 7.
Modelling means. R. Hofer and W. Kunnecke. 2,027,044; Jan. 7.
Molding process and molded article. W. H. Woodford. 2,026,705; Jan. 7.
Moldings, Making. L. L. Williams. 2,027,215; Jan. 7.
Mixer: *See*—
Paint mixer.
Motor: *See*—
Electric motor. Trigger motor.
Motor control system. F. M. Parks. 2,027,247; Jan. 7.
Mounting for dynamo-electric machines, Field. J. Mamaix. 2,026,642; Jan. 7.
Mounting for reproducing and engraving machines, Stylus. F. M. Hembus. 2,026,893; Jan. 7.
Mounting, Globe. R. R. Dupler. 2,027,186; Jan. 7.
Mounting, Hub cap. H. J. Horn. 2,026,786; Jan. 7.
Mounting, Sport ophthalmic. W. S. Beattes. 2,027,123; Jan. 7.
Mounting unit, Resilient. H. D. Geyer. 2,026,625; Jan. 7.
Mounting, Vibratory diaphragm horn. P. C. Rock. 2,026,654; Jan. 7.
Mulker. W. A. Wood and J. O. Almen. 2,027,209; Jan. 7.
Music, Apparatus for the production of. R. F. Miessner. 2,027,074; Jan. 7.
Music, Method and apparatus for the production of. C. T. Jacobs. 2,027,075; Jan. 7.
Musical instrument, Electricity-controlled. O. Vierling. 2,027,072; Jan. 7.
Nail file. J. W. Garow. 2,026,970; Jan. 7.
Name plate and holder, Reversible. A. C. Brookey. 2,027,086; Jan. 7.
Navigational instrument. H. M. Jensen. 2,026,537; Jan. 7.
Needle, Self-lubricating inlaying. W. W. De Laney. 2,026,933; Jan. 7.
Needle, Sound reproducing or recording. L. R. Turner. 2,026,790; Jan. 7.
Negative holder. H. C. Jones. 2,026,836; Jan. 7.
Negatives with photographic images thereon of enhanced quality, Production of. A. B. Field. 2,027,271; Jan. 7.
Neon tube support. A. B. McMahan. 2,026,949; Jan. 7.
Nozzle, Spray. C. J. Kurtz. 2,026,745; Jan. 7.
N-p-amino-aryl-carbamic acids, Producing. E. E. Etselmiller. 2,026,619; Jan. 7.
Net and making same, Sheet metal. H. C. Raynes. [illegible]; Jan. 7.

Nut roasting machine. R. W. Sly and H. H. Lotzy. 2,027,146; Jan. 7.
Nut structure. A. C. Swanstrom. 2,026,757; Jan. 7.
Nuts, Salting edible. J. B. Bissell and C. K. Bissell. 2,026,813; Jan. 7.
Oil burner. J. W. Canaan. 2,026,609; Jan. 7.
Oil burner. L. W. Holmes. 2,027,101; Jan. 7.
Oil purifying device for combustion engines, Fuel. McL. C. Slate. 2,026,851; Jan. 7.
Oil in tin coating machines, Method and apparatus for purifying. W. B. Taylor. 2,026,598; Jan. 7.
Oil, Production of lubricating. U. B. Bray and C. E. Swift. 2,026,720; Jan. 7.
Oil treatment, Hydrocarbon. H. R. Birkhimer. 2,026,812; Jan. 7.
Oil, Treatment of hydrocarbon. V. Stapleton. 2,026,803; Jan. 7.
Oiling means for planetary transmission. W. B. Barnes. 2,027,012; Jan. 7.
Oils, Treatment of hydrocarbon. L. De Florez. 2,027,334; Jan. 7.
Ores, Device for milling and separating. J. H. Degner. 2,026,825; Jan. 7.
Ores, Roasting sulphide. R. P. Fleming. 2,026,621-2; Jan. 7.
Ores, Treating ferriferous. F. Johanssen. 2,026,683; Jan. 7.
Ornament. R. De Ross. 2,026,934; Jan. 7.
Ornament, Wall. J. Rubin. 2,026,706; Jan. 7.
Oscillator for electromagnetic waves, Composite. J. S. Stone. 2,026,712; Jan. 7.
Oxasoline compound. M. Engelmann. 2,027,031; Jan. 7.
Oxidation, Prevention of. S. Musher. 2,026,697; Jan. 7.
Package, Laundry. L. E. Morse. 2,026,645; Jan. 7.
Packaging machine. R. J. and G. A. Hutt. 2,027,232; Jan. 7.
Packing, Apparatus for. F. G. Fees. 2,026,523; Jan. 7.
Pad and cover. M. K. Brodt. 2,026,961; Jan. 7.
Paint mixer. P. Tramposch. 2,027,297; Jan. 7.
Pan, Pie. F. Hilinger. 2,026,820; Jan. 7.
Paper cap ammunition for toy pistols. E. S. Peake. 2,027,117; Jan. 7.
Paper guide device. L. P. Crossman. 2,026,869; Jan. 7.
Paper or other material, Apparatus for cutting. A. H. Haupt. 2,026,633; Jan. 7.
Paper stacker. R. Hornbeck and R. Hornbeck. 2,027,241; Jan. 7.
Paste and producing the same, Vat dyestuff. M. H. Fleysher and J. Ogilvie. 2,026,623; Jan. 7.
Pavement marking machine. R. L. Hefner. 2,026,678; Jan. 7.
Paving composition and producing same. J. H. Conselman. 2,026,614; Jan. 7.
Pen, Fountain. J. C. Sherman. 2,026,657; Jan. 7.
Pencil. F. R. Barker. 2,026,815; Jan. 7.
Picture apparatus, Sound. E. H. Smythe. 2,027,207; Jan. 7.
Pictures, Apparatus for making composite talking motion. W. L. Douden. 2,027,028; Jan. 7.
Phonograph, Automatic. R. B. Bryant. 2,026,820; Jan. 7.
Photo-electric device. J. H. de Boer and M. C. Teves. 2,027,025; Jan. 7.
Photographic exposures, Method and apparatus for controlling. W. A. Edwards. 2,026,675; Jan. 7.
Pictures, Displaying. I. M. Terwilliger. 2,026,718; Jan. 7.
Pigments of the indanthrone series, Producing. F. W. Johnson. 2,026,637; Jan. 7.
Pile lowering device for printing presses. A. and E. Kluge. 2,027,177; Jan. 7.
Pilot-wire protection for transmission lines. L. B. Le Vesconte. 2,027,287; Jan. 7.
Pin bearing construction, Wrist. H. A. Gehres. 2,027,035; Jan. 7.
Pipe coupling parts, Making. J. F. King. 2,027,176; Jan. 7.
Pipe fitting. C. A. VanDusen. 2,026,954; Jan. 7.
Pipes, Molding. H. Rafovich. 2,026,996; Jan. 7.
Piston. A. Lach. 2,027,179; Jan. 7.
Piston, Composite. T. P. Chase. 2,026,611; Jan. 7.
Piston for internal combustion motors. E. C. Long. 2,026,789; Jan. 7.
Pistons, Manufacture of composite. T. P. Chase. 2,026,612; Jan. 7.
Pitter, Fruit. A. R. Thompson. 2,026,906; Jan. 7.
Plastic and making same, Sulphur-containing. C. Mills and W. P. ter Horst. 2,026,876; Jan. 7.
Plug: *See*—
Drain plug. Spark plug.
Plumbing fixture, Combination. A. H. Zimmerman. 2,026,867; Jan. 7.
Portable electric lamp. G. Wheat. 2,027,286; Jan. 7.
Powder dispenser. L. D. Whitney. 2,026,925; Jan. 7.
Powder plants, System for the remote operation of. E. Pearson. 2,026,893; Jan. 7.
Powder, Propellent. G. C. Hale and D. B. Cameron. 2,026,631; Jan. 7.
Powder system for well drilling. W. Sheldon. 2,026,706; Jan. 7.
Powders, Manufacture of smokeless. P. Olsen, G. C. Tibbitts, and E. B. W. Kerone. 2,027,114; Jan. 7.
Precision resistance. P. H. Dike. 2,026,616; Jan. 7.
Press: *See*—
Stooping press.
Pressing apparatus. W. C. McDaniel. 2,026,692; Jan. 7.
Pressure controlling device for gasoline pumps. D. McCormick. 2,026,690; Jan. 7.
Pressure regulator. G. W. McKee. 2,026,758; Jan. 7.
Pretzel forming machine. H. S. Gige. 2,026,[illegible]; Jan. 7.
Printing device for lumber. H. H. Peyton. 2,027,347; Jan. 7.
Projector and sound-reproducing assembly, Combination. W. J. Morrissey. 2,027,191; Jan. 7.
Propeller control mechanism. F. W. Caldwell and R. Martin. 2,026,814; Jan. 7.
Propeller, Fluid operating. W. H. Lukenbeal. 2,027,090; Jan. 7.
Propelling device. R. H. Smith. 2,026,917; Jan. 7.
Protocatechuic aldehyde, Preparation of. M. A. Carpenter and R. C. Kunz. 2,027,148; Jan. 7.
Pulley attachment. H. DeLand. 2,026,673; Jan. 7.
Pulp from straw of graminaceous plants, Manufacture of refined. K. Kodama. 2,026,900; Jan. 7.
Pump. W. M. Bell. 2,027,015; Jan. 7.
Pump. J. P. Johnson. 2,026,789; Jan. 7.
Rack: *See*—
Supporting rack.
Rack. G. S. Moore. 2,026,746; Jan. 7.
Radiator shutter. J. F. Raleigh. 2,026,868; Jan. 7.
Radiographic plate changer. M. Morrison. 2,026,907; Jan. 7.
Rail wheel. O. Hacker. 2,027,302; Jan. 7.
Range finding and sight directing apparatus, Optical, as in aircraft. A. Procofieff-Seversky. 2,027,349; Jan. 7.
Razor, Safety. W. Vanamburgh. 2,027,214; Jan. 7.
Receptacle: *See*—
Fuse and switch receptacle.
Receptacle for refrigerators, Combination. A. E. Dowst. 2,027,092; Jan. 7.
Reclining chair. A. Stoll. 2,027,128; Jan. 7.
Recorder. K. F. Schoow. 2,026,914; Jan. 7.
Reel: *See*—
Fishing reel.
Reel. C. B. Beasley. 2,026,695; Jan. 7.
Reel seat for fishing rods. H. W. Mann. 2,027,349; Jan. 7.
Reel structure. H. P. Maynes. 2,027,[illegible]; Jan. 7.
Reeling device for tag forming machines. [illegible]. 2,026,897; Jan. 7.
Refractory articles, Shaping. D. B. Hendryx. 2,026,849; Jan. 7.
Refrigerating apparatus. R. R. Candee. 2,027,[illegible]; Jan. 7.
Refrigerating apparatus. J. J. Nance. 2,027,[illegible]; Jan. 7.
Refrigerating apparatus. C. W. Vogt. 2,027,[illegible]; Jan. 7.
Refrigerating means and method. E. [illegible] Koeppe. 2,026,838; Jan. 7.
Refrigerating system. G. Muffy. 2,027,[illegible]; Jan. 7.
Refrigeration. C. G. Masters. 2,027,091; Jan. 7.
Refrigeration apparatus. M. H. Hudson. 2,027,206; Jan. 7.
Refrigerator. D. H. Gaston. 2,027,318; Jan. 7.
Refrigerator. C. E. L. Lipman. 2,027,189; Jan. 7.
Refrigerator cars, Apparatus for precooling. H. M. Whyte. 2,026,886; Jan. 7.
Regulator: *See*—
Draft regulator. Pressure regulator.
Releasable jarring tool. H. Burns and H. W. Hickerson. 2,026,961; Jan. 7.
Releasing clamp. J. M. Jester. 2,026,976; Jan. 7.
Resins, Manufacture of. A. Hock. 2,027,549; Jan. 7.
Retorts to produce coke, gas and oil, Operating. A. W. Warner. 2,026,928; Jan. 7.
Ring: *See*—
Finger ring.
Ring holding apparatus. W. A. Cutchins. 2,027,136; Jan. 7.
Road joint former and load distributor. E. M. Robertson. 2,027,201; Jan. 7.
Road paving. H. Plauson. 2,026,888; Jan. 7.
Roads, Building. H. Plauson. 2,026,889; Jan. 7.
Roll adjuster mechanism, Hydraulic. G. A. McFaddin. 2,027,283; Jan. 7.
Rolling method. H. Seiferth. 2,027,[illegible]; Jan. 7.
Roof construction. S. S. Calahill. 2,026,[illegible]; Jan. 7.
Roof construction. O. F. Gruebner. 2,027,163; Jan. 7.
Roof for tanks, Laminated self-buoyant floating. J. Venino. 2,026,762; Jan. 7.
Rotor for hammer mills. E. J. Mahaffey. 2,026,[illegible]; Jan. 7.
Routing machine. T. L. Siebenthaler. 2,026,[illegible]; Jan. 7.
Rosin sizing and making the same. W. H. Harding and A. W. Montgomery. 2,027,106; Jan. 7.
Rubber, Preservation of. W. Scott, and H. G. Byers. 2,027,091; Jan. 7.
Rulers, Attachment for. M. L. Aronson. 2,026,[illegible]; Jan. 7.
Running gear. O. Hacker. 2,027,306; Jan. 7.
Ruscus, Softening bleached and dyed. L. M. Jones. 2,026,873; Jan. 7.
Safe. M. D. Bennett and H. M. Archer. 2,027,[illegible]; Jan. 7.
Safe. W. H. Jaeger. 2,026,917; Jan. 7.
Safety scotch hook. J. M. Kinison. 2,026,[illegible]; Jan. 7.
Safety switch. G. D. Breyer and O. W. Myers. 2,026,[illegible]; Jan. 7.
Salts and preparing them, Solid mixed [illegible] and ammonium K. Schmitzendahl. 2,027,066; Jan. 7.
Sash and window frame. O. H. Johnson. 2,026,[illegible]; Jan. 7.

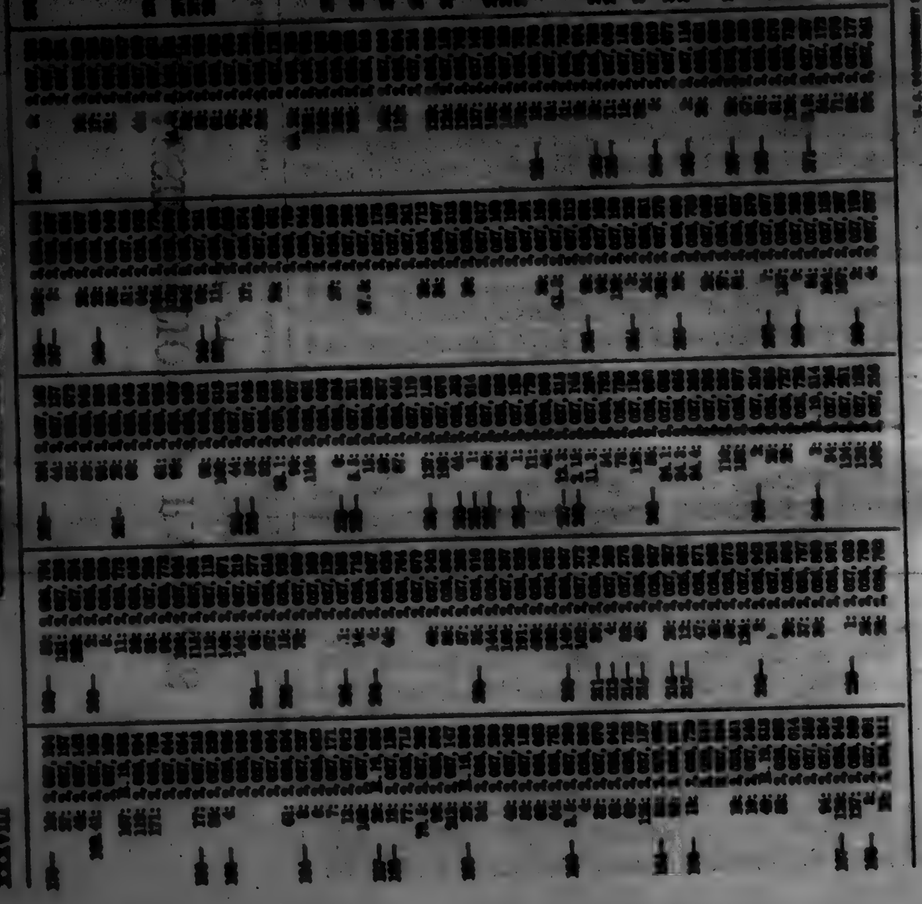
Scale. J. W. Bryce. 2,027,010; Jan. 7.
Scale. E. J. Von Pein. 2,027,017; Jan. 7.
Scooter. C. Vogt. 2,027,254; Jan. 7.
Scouring implement. E. R. Kingman. 2,026,858; Jan. 7.
Screen: *See*—
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Screw-cap or screw with brush. A. Gross. 2,026,890; Jan. 7.
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Seal, Barrel. L. E. Anderson. 2,027,143; Jan. 7.
Sealing-in machine. J. P. Leick. 2,027,181; Jan. 7.
Secondary or storage battery. E. W. Smith. 2,027,210; Jan. 7.
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Textile fibers, Treatment of. A. H. Gill. 2,026,785; Jan. 7.
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Tire valve tool. S. T. Williams. 2,026,926; Jan. 7.
Titanium pigments, Preparation of. J. Blumenfeld and M. Mayer. 2,026,562; Jan. 7.
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Tong. J. D. Chesnut and E. K. Hertel. 2,026,516; Jan. 7.
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Tools such as hammers and pile drivers, Percussive. D. M. Wilcox. 2,027,060; Jan. 7.
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Toy, Inflatable. H. R. Gill. 2,027,325; Jan. 7.
Toy or display device. K. Riess. 2,026,913; Jan. 7.

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Transfer, trimming, and closing mechanism for combination bag forming machines. S. Hirsch and H. Irmscher. 2,027,043; Jan. 7.
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Transmission, Foot-operated. L. A. Wright. 2,027,260; Jan. 7.
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Utensil, Baking. K. Stuart and G. R. Linderman, Jr. 2,027,226; Jan. 7.
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Vitreous material, Apparatus for and method of fusing. F. K. Dovers. 2,027,155; Jan. 7.
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Vulcanization accelerator. W. Lommel and R. Schröter. 2,027,124; Jan. 7.
Washboard. H. B. Wheat. 2,026,726; Jan. 7.
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Wax from hydrocarbon oil, Removal of. H. Y. McCarty and W. H. Shelton. 2,027,340; Jan. 7.
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Wells, Controlling. J. L. Minahan. 2,026,944; Jan. 7.
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Window. G. A. Robbins. 2,026,751; Jan. 7.
Window construction. H. C. Bingham. 2,027,016; Jan. 7.
Window glass channel. D. A. Greene. 2,026,972; Jan. 7.
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Window support and regulating device. F. J. Westrope. 2,026,719; Jan. 7.
Work support for a heated shoe. F. S. Dopp. 2,027,027; Jan. 7.
Yarn and fabric, Compound. C. H. McLean. 2,026,660; Jan. 7.
Yarn supporting device. J. G. Shelton. 2,027,326; Jan. 7.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 7, 1936

Note.—First number—class, second number—subclass, third number—patent number



Patents Nos. 2,027,360 to 2,028,127

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Trade-Marks	198—Nos.	321,511 to No.	321,708, inclusive.
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Reissues	7—Nos.	19,819 to No.	19,825, inclusive.
Patents	798—Nos.	2,027,360 to No.	2,028,127, inclusive.
Designs	75—Nos.	93,194 to No.	93,268, inclusive.
Total	1,084		

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,880,444, A. P. Arrington, Tread link, decided November 27, 1935, claims 1 and 2.

Pat. 1,985,621, J. A. Gibbs, Automatic sales book register, decided December 26, 1935, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12.

Pat. 1,982,572, A. S. Richardson, Method and apparatus for cooling water and air, decided December 26, 1935, claims 1, 2, 3, 4, 5, 6, 7, and 8.

Pat. 1,986,808, John Oakley, Sprocket, decided December 24, 1935, claims 1 and 2.

Notice Regarding Payment of Fees

All fees must be paid in advance. Payment of money required for Office fees must be made in specie, Treasury notes, national-bank notes, post-office money orders, or certified checks. Money orders and checks must be made payable to the "Commissioner of Patents." Money sent by mail to the Patent Office will be at the risk of the sender. (See Rule 124.)

Certified checks, bank drafts, express and foreign money orders must be immediately negotiable and for the full amount of the fee required by the Patent Office. No allowance can be made by this Office for any charge for their collection or exchange. Postage stamps will not be accepted. Failure to comply with the above instructions will cause delay.

NOTICE

Board of Appeals—Decisions—Time for Response

U. S. PATENT OFFICE, *Washington, January 13, 1936.*

There appears to be some confusion among attorneys and applicants as to the time within which action must be taken in applications following a decision of the Board of Appeals.

The decision of the Board of Appeals is "an action" in the application, and, in order to save the application from abandonment, amendment must be filed within six months from the date of that decision unless an appeal has been taken to the Court of Customs and Patent Appeals or review of the decision sought by a bill in equity under section 4915.

The Examiner will not notify the applicant of the decision of the Board of Appeals.

CONWAY P. COE,
Commissioner.

Drawings

PRECAUTIONS TO BE OBSERVED IN FORWARDING DRAWINGS TO THE UNITED STATES PATENT OFFICE

Where drawings are to be filed in connection with an application for Letters Patent in the United States Patent Office, each sheet, before it can be accepted by the Office as a part of the application, must be signed in the name of the inventor at the lower right-hand corner, either by him or by an attorney whose written authorization from the applicant is filed in connection with the application. The signatures should never be written on a line parallel with the longer edges of the sheet, one of the shorter edges being always regarded, for the purpose of locating the signatures, as the lower edge of the sheet. The signatures must all be within the margin of the sheet and below the lines of the drawing. The title of the invention should be written with pencil on the back of each sheet of drawings.

When there are filed on the same day two or more applications by the same inventor, each of the documents and drawings belonging to the same application, should have placed thereon the same letter or number, which should be different from the letter or number placed upon those of any other of the applications.

It is desirable that all parts of the complete application, including the drawings, be deposited in the Office at the same time. Should, however, the other parts of the application be filed before the drawings are sent, the latter when forwarded should be accompanied by a letter stating the number of sheets inclosed, and that the drawings are to be filed with the other parts of the application, giving the date at which such other parts were filed in the Office, the name of the inventor, and title of the invention should also be given, and it should be indorsed with pencil on the back of each sheet of drawings. The letter should also state, if such be the case, that the new drawings are to be substituted for those previously filed.

Reissue Drawings

Acting under the provisions of section 483 of the Revised Statutes and with the approval of the Secretary of Commerce, Rule 53 of the Rules of Practice in the United States Patent Office is canceled and the following is substituted therefor:

"53. In reissue applications the drawings upon which the original patent was issued may be used upon the filing of suitable permanent photographic copies thereof, if no changes are to be made in the drawings."

Condition of Applications Under Examination at Close of Business December 31, 1931

(Total number of applications awaiting action, including Trade-Mark Division, 31,207; Trade-Mark Division, 1,214. Oldest new case, September 9, 1926; oldest amended, September 4, 1926.)

Room No.	Division, Examiners, and Subjects of Inventions	Oldest new application and oldest actually taken up for action by the primary examiner since filing date		No. of applications awaiting action
		New	Amended	
0224	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Nov. 4	Nov. 4	384
0703	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Perfume, Tobacco, Veterinaries; Butchering; Box Cutters.	Oct. 1	Oct. 1	704
4000	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces.	Oct. 1	Oct. 1	617
7000	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavators; Signals; Track Sanders; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Oct. 5	Oct. 5	89
7000	5. MACNAB, J. F., Harvesters; Music; Accounting; Sound Recording; Knotting; Bending, Buttons, Buckles, Receptacles.	Oct. 9	Oct. 9	284
4000 D	6. LEWERS, A. M., Carbon Chemistry	Oct. 1	Oct. 1	1
4000 D	7. JARBOE, C. G., Optics; Photography	Nov. 1	Nov. 1	1
4000	8. ADAMS, F. L., Boots, Shoes; Knitting and Table Articles; Hooks and Eyes and Snaps	Oct. 1	Oct. 1	1
4000	9. ADAMS, R. E., Prime; Field and Fluid-Current Motors	Nov. 30	Nov. 30	1
4000	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances; Harness and Type; Vehicle Bodies	Nov. 5	Nov. 5	1
4000 D	11. BENHAM, R. V., Boots, Shoes, and Leggins; Buttons, Eyelets, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Appurtenances; Hide, Skins, and Leather.	Oct. 23	Oct. 23	1
7701	12. HENRY, O. C., Machine Elements; Cylinders and Pistons; Motive-Fluid Generation; Steam Engines; Steam Motive-Power Plants; Metal Working; Metal Forging and Welding;	Nov. 6	Nov. 6	1
4000	13. BORLIN, F. J., Gear Cutting, Milling, and Planing; Metal Working; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Metal Treating; Boring and Drilling;	Oct. 1	Oct. 2	46
6007	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements; Marking; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working; Miscellaneous Processes.	Oct. 26	Oct. 26	1
4007	15. WORRELL, J. W., Glass; Plastic Head and Earthenware Apparatus; Plastics	Oct. 1	Oct. 1	1
6013	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 26	Oct. 26	1
6001	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Metal Accessories; Publishing; Sheet or Web Feeding; Type Setting.	Oct. 3	Oct. 3	1
4013	18. PORTER, M. E., Motors, Responsible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 3	Oct. 3	1
4000	19. KENNEDY, A. B., Furnaces and Stoves; Fuel Burners	Oct. 1	Oct. 1	1
6013	20. GROVE, R. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Unlatching	Oct. 1	Oct. 1	1
7703	21. THOMPSON, F. J., Tanning; Cloth Finishing	Oct. 3	Oct. 3	1
6701	22. RINGLE, D., Aeronautics; Fluences, Ordnance, and Explosive Devices; Air Guns, Catapults, and Torpedo Boats and Decks; Ships; Marine Propulsion.	Sept. 9	Sept. 9	1
7001	23. BUTTNER, W. J. (Act.), Coin Handling; Registers; Registers	Oct. 7	Oct. 7	1
6003	24. DURAN, C. O., Agitators; Apparel Appendages; Garment Supporters; Sewing Machines	Oct. 3	Oct. 3	1
6000	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Mine; Cement and Concrete Construction.	Oct. 29	Oct. 29	1
6003	26. ADAMS, W. M., Electricity, Generation; Motive Power	Oct. 1	Oct. 1	1
6703	27. CLARK, W. N., Brewing; Sprinkling, and Cleaning; Washing Apparatus	Oct. 1	Oct. 1	1
4023	28. BENSON, A. R., Internal-Combustion Engines	Oct. 21	Oct. 21	1
6003	29. SHKLAIRE, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Bagpipes; Fastenings and Article Carriers; Dispatch and Collecting Receptacles; Supports, Tables.	Oct. 10	Oct. 10	317
4004	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidistats.	Sept. 29	Sept. 29	1
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Oct. 26	Oct. 26	1
4000	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Oct. 1	Oct. 1	1
6000	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Oct. 4	Oct. 4	69
6003	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock; Switches, and Signals; Track Sanders.	Oct. 2	Oct. 2	69
3000	35. REYNOLDS, R. C., Card and Mop Refabricating; Signals; Dispensing; Filing and Closing Portable Receptacles.	Nov. 5	Nov. 4	201
7003	36. McFADYEN, A. D., Measuring Instruments; Power Measuring; Automatic Weighers	Oct. 3	Oct. 3	115
4000 D	37. WEAVER, M. R., Electricity, Current Making and Breaking; Light-Sensitive Circuits	Oct. 4	Oct. 7	203
7000	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Water Fluids Compositions.	Nov. 1	Nov. 1	100
4072	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 1	Oct. 1	201
7000	40. OBERLIN, J. J., Metallic Wood, Paper, and Special Receptacles	Oct. 24	Oct. 24	422
6003	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Oct. 17	Oct. 20	270
1000	42. CUTTING, E. O., Electric Signaling	Oct. 26	Oct. 26	445
4000 D	43. KLINGE, R. P., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Glue, Gum, and Starch.	Oct. 1	Oct. 1	1
4007 D	44. SHAFFER, C. E., Refrigeration; Dispensing Beverages	Nov. 9	Nov. 9	203
7007	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanisms; Engine Cooling.	Oct. 1	Oct. 1	115
4013	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Cooling Improvements.	Oct. 26	Oct. 26	543
7000	47. BARKER, H., Chucking; Reaming	Oct. 3	Oct. 3	322
5701	48. ROEPER, O. D., Electricity, General Applications; Ignition	Oct. 16	Nov. 1	453
7725	49. SHEFFIELD, H. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Sept. 16	Sept. 16	204
6701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Oct. 26	Oct. 26	207
6003	51. BACKUS, G. D., Radiant Energy	Oct. 3	Oct. 3	404
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Oct. 4	Oct. 2	221
6007	53. PECK, M. E., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Tables; Label Posting and Paper Hanging.	Oct. 1	Oct. 1	203
6074	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Oct. 26	Oct. 26	206
6007	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Oct. 1	Oct. 2	778
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation	Nov. 9	Nov. 2	211
6025	57. NICOLSON, G. D. G., Cutting and Punching; Belt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Measuring Devices.	Oct. 1	Oct. 1	171
7003	58. DOWELL, B. F., Abrading; Bottles and Jars	Oct. 10	Oct. 10	407
4703	59. RICHARD, V. L., Chemistry; Fertilizers	Nov. 1	Nov. 1	230
6026	60. GLASS, E. L., Electricity, Heating, and Welding; Batteries; Rectifiers and Rheostats; Primary Power Dynamo Plants.	Oct. 4	Oct. 4	207
6701	61. PARKS, G. E., Laminated Structural Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Packing and Packing; Horology; Time-Controlling Apparatus.	Oct. 10	Oct. 10	268
2670	62. COCHRAN, W. W., Gaming; Commercial Instruments	Sept. 15	Sept. 15	223
6000	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Oct. 15	Oct. 15	206
4000	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Gums; Liquid Cooling Compositions; Fuel; Alcohol.	Oct. 1	Oct. 1	204
2004	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Nov. 20	Dec. 1	1189
2000 D	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND	Dec. 9	Dec. 15	725
		Dec. 3	Dec. 15	530
2000	DESIGNS, H. H. KALUPY (Act.)			

U. S. Court of Customs and Patent Appeals

In re McKee

No. 3,184. Decided November 21, 1932

1. DOUBLE PATENTING—METHOD AND APPARATUS.

Where appellant has been granted a patent for a device for performing a method which may be also performed by other apparatus or by hand, it cannot be said that claims for the method recite the mere function of a machine, so that their allowance would be double patenting.

2. SAME—SAME.

Claims for a method of marking edible carcasses *held* patentably distinct from the claim of appellant's patent for a device used in such marking.

APPEAL from the Patent Office. Reversed.

Mr. Roy W. Johns for McKee.

Mr. E. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND *J.:*

The invention involved in this appeal which is from the decision of the Board of Appeals of the United States Patent Office, affirming the Primary Examiner's rejection of certain claims, relates to a method of ink marking, underneath the covering or fell, of carcasses, particularly sheep carcasses.

Appellant has been granted two apparatus claims in Patent No. 1,886,170, issued November 21, 1933. Separate application was filed in which claims for a method of marking carcasses were presented.

The Examiner rejected all the claims upon references, and rejected claims 2 and 3, which are involved in this appeal, upon the additional ground that they called for only the function of a particular device.

Upon appeal to the Board, the Examiner was reversed as to claim 1 in the application here involved and the claim was allowed. The Board held that claims 2 and 3 were not anticipated by the prior art, but affirmed the action of the Examiner in rejecting the claims and used the following language:

> Claims 2 and 3 are additionally rejected as being drawn to the function of a particular device. We are not prepared to hold that claims of this nature should be rejected for that reason but we can find no patentable distinction between the subject matter of these claims and that of claim 1 of appellant's patent 1,886,170. It is our opinion, therefore, that to allow claims 2 and 3 would result in double patenting. [Italics ours.]

Claim 1 of appellant's said patent reads as follows:

> 1. A branding instrument comprising a plurality of needles arranged according to a chosen design of brand mark and a support therefor, said needles being each provided with a groove, and said having deeply recessed apertures adjacent their points terminating in said grooves, whereby to carry ink through a layer of fell.

The two claims rejected by the Board, involved in this appeal, are as follows:

> 2. In the packing industry, the method of marking edible carcasses or parts thereof, having a surface covering such as fell or the like, which consists in perforating the surface covering or fell by means of an inked implement having penetrating portions with ink pockets formed in the sides thereof and depositing ink from said ink pockets in the tissue beneath the fell.
>
> 3. In the packing industry, the method of marking edible carcasses or parts thereof, having a surface covering such as fell or the like, which consists in perforating the surface covering of fell by means of an inked implement having penetrating portions with longitudinally disposed ink pockets formed in the sides thereof and depositing ink from said ink pockets in the tissue beneath the fell.

While appellant in oral argument stated that division was required by the Patent Office between the article claims and the method claims, it is conceded that the record before us does not show this fact and that for the purposes of considering this case we may not regard division as having been required by the Patent Office so as to bring before us a consideration of the applicability of our holdings in *In re Cady*, 22 C. C. P. A. (Patents) 1190, 77 F.(2d) 108, 460 O. G. 7, and *In re Carlton*, 22 C. C. P. A. (Patents) 1222, 77 F.(2d) 388, 460 O. G. 501.

It is conceded on both sides that the sole question for decision here is whether or not the Board erred in rejecting the claims upon the ground that their allowance would result in double patenting because of the finding of the Board that there was no patentable distinction between the subject matter of the two claims at bar and claim 1 of appellant's said patent.

It frequently happens that an inventor invents a method of doing a thing and a machine or device for performing the steps of the method. Both may be inventive and he may properly be allowed claims covering both the apparatus and the method. For reasons which need not be discussed here, he should not have a method claim if the method is stated in terms which merely recite the performance of the machine, and the rule has been fairly well settled as to when a method claim, which method may be performed by a patented machine, may be allowable. This question was gone into thoroughly by this court in *In re Ernst et al.*, 21 C. C. P. A. (Patents) 1235, 71 F.(2d) 169, 449 O. G. 507. Numerous authorities were there cited and considered, including *In re Weston*, 17 App. D. C. 431, 94 O. G. 1786. We, in the *Ernst* case, quoted with approval the following definite rule which was laid down in the *Weston* case:

> It seems to us from all these authorities the deductions to be drawn are these: First, that processes involving a chemical or other elemental action, if new and useful, are patentable; second, that a process, which amounts to no more than the mere function of a machine, is not patentable; third, that a process or method of a mechanical nature, not absolutely dependent upon a machine, although perhaps best illustrated by mechanism, may, if new and useful, be the proper subject of a patent, even though it involves no chemical or other elemental action.

We then said:

> * * * It appears that appellants' process is absolutely dependent upon a machine, or machines, for which appellants have been allowed apparatus claims, and each of the method claims here involved states a function, and nothing more than a function, of the apparatus described in the allowed claims. * * *

In *In re McCurdy*, 22 C. C. P. A. (Patents) 1140, 76 F.(2d) 400, 459 O. G. 923, the issue was much the same as the one at bar. We there cited several

cases and followed our holding in *In re Ernst et al.* *supra*. We said:

We think it is well settled that the inventor of an apparatus may be allowed method claims if the method performed by the apparatus may be performed by other apparatus or by hand. The mere fact that he has invented a machine for carrying out his process does not make him any the less an inventor of the process, provided the machine and process both are new and useful and otherwise meet the requirements of the statute. Bell, the inventor of the telephone, discovered that by gradually changing the intensity of a continuous electrical current so as to make it correspond exactly to the changes in the density of the air, caused by the sound of the voice, speech could be reproduced and understood, and he devised an instrument for doing it. He was the discoverer of the underlying principle which his machine or device made serviceable to humanity. He was the inventor of a method and also of a mechanism for performing the method. (See *The Telephone Cases*, 126 U. S. 1, at pages 532, 533).

[1] From the various authorities considered we think the rule is well settled that under circumstances like those at bar, if the method of the claims can be performed by any other apparatus or by hand, it cannot be said that the claims recite the mere function of a machine, so that their allowance would be double patenting. See *Expanded Metal Co. v. Bradford*, 214 U. S. 366, 143 O. G. 933; *In re Tallmadge*, 57 App. D. C. 390, 194 O. G. 1219.

The important inquiry in determining the issue presented, therefore, is whether or not the method claims call for steps which can be performed only by the apparatus for which appellant was allowed said claim 1 of the patent.

In appellant's application, concerning the method claims he states:

It may be noted that in the practice of this invention the method used for applying the brand by whatever means is mainly to form a dot or preferably an agreupement or series of dots by injecting and depositing appropriate charges of ink beneath the surface of the meat or under the fell thereon, according to the chosen design. * * *

The Board in the decision appealed from did not agree with the examiner's finding that the method claims call for nothing more than the function of a particular device, nor is there any suggestion in the Board's opinion that the claims describe the function of the device. The Board merely stated that it saw no patentable distinction between the subject matter of the claims and that of claim 1 of appellant's patent.

We see no reason why the steps of the method claims at bar could not be performed by hand or by apparatus other than that covered by the said patent claim. The steps involved in claim 2 of the instant application are (1) perforating the surface covering or fell by means of an inked implement having penetrating portions with ink pockets formed in the sides thereof and (2) depositing ink from said ink pockets in the tissue beneath the fell. It would be tenuous to urge that when the courts have spoken of performing by hand what may be performed by a machine they meant by hand alone, that is to say, without the use of some ordinary tool in common use. In the instant case, can it be contended that before appellant can perform by hand the act of perforating the surface covering and depositing ink, he must literally perforate the fell covering with his fingers or hands. In carrying out the method of claims 2 and 3, he may take by hand "an inked implement having penetrating portions" which may not be an "instrument comprising a plurality of needles arranged, according to a chosen design of brand mark and a support therefor" as is provided for in claim 1 of the patent.

It is true that both claims 2 and 3 qualify the inked implement used by specifying that the implement has ink pockets of a certain character. It is not difficult to conceive of a hand implement which might be used to brand carcasses by hand which had penetrating portions with ink pockets of the character described in the method claims and did not comprise the particular features called for in the patent claim.

[2] We are not in accord with the views of the Board that there was no patentable distinction between the subject matter of the claims at bar and said claim of appellant's patent. Patentable new and useful results may flow from the performance of the method of the claims which are distinguishable from the subject matter of claim 1 of appellant's patent. Certainly there is such doubt involved that under the well-settled rule, the applicant should have the advantage thereof.

The decision of the Board of Appeals appealed from as to said claims 2 and 3 is reversed.

REVERSED.

Patent Suits

(Notices under sec. 4921, R. S., as amended Feb. 18, 1922)

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1,258,875, A. Arthur, Die staking machine, D. C., N. D. Ohio, E. Div., Dec. 4900, *A. Arthur v. Pratt & Whitney Co.* Dismissed without prejudice Nov. 18, 1935.

1,262,560, S. B. Smith, Receiver, D. C., S. D. N. Y., Dec. E 80/72, *S. B. Smith v. J. S. McLoughlin.* Dismissed on consent (notice Nov. 14, 1935). Same, D. C., S. D. Calif. (Fresno), Dec. E 81-D, *S. B. Smith v. J. J. Oliver.* Dec. E 82-D, *S. B. Smith v. J. Boeckhout.* Dec. E 83-D, *S. B. Smith v. F. Schroeder.* Dec. E 84-D, *S. B. Smith v. A. E. Rohrs.* Dec. E 86-D, *S. B. Smith v. A. M. Clark.* Dec. E 90-D, *S. B. Smith v. C. D. Sturtevant.* Dec. E 91-D, *S. B. Smith v. J. F. Stone.* Dec. E 92-D, *S. B. Smith v. S. E. Hazelwood.* Dec. E 94-D, *S. B. Smith v. L. R. Jones.* Dec. E 96-D, *S. B. Smith v. C. R. Yates.* Dec. E 96-D, *S. B. Smith v. A. E. Pappe.* Dec. E 97-D, *S. B. Smith v. J. Smith.* Decree for plaintiff Nov. 12, 1935, in each of above cases. Same, D. C., N. D. Ohio, W. Div., Dec. E 1460, *S. B. Smith v. J. J. Radebaugh.* Dismissed Apr. 12, 1935. Dec. E 1456, *S. B. Smith v. W. H. Martin.* Dismissed Nov. 11, 1935. Same, filed Nov. 21, 1935, C. C. A., 2d Cir., Dec. —, *S. B. Smith v. A. E. Hall.* Same, D. C., N. D. Ohio, W. Div., Dec. E 1455, *S. B. Smith v. C. D. Mosier.* Consent decree for plaintiff Nov. 25, 1935. Dec. E 1457, *S. B. Smith v. C. Hill.* Decree as above. Same, D. C. Oreg. (Portland), Dec. E 9522, *S. B. Smith v. W. S. Parks.* Dismissed Nov. 25, 1935.

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1,371,926, H. J. Morgenthaler, Identification device, D. C., S. D. N. Y., Dec. E 76/365, *J. A. Schmetzl & Sons, Inc., v. Sharp & Smith, Inc.* Dismissed (notice Nov. 12, 1935).

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1,390,976, C. J. Manson, Method of manufacturing fiber product, D. C. Del., Dec. E 2169, *Sproul, Weldon & Co. v. Wood Conversion Co.* Dismissed without prejudice Oct. 5, 1935.

1,402,662, S. J. Newman, Carpet, filed Nov. 14, 1936, D. C., S. D. N. Y., Dec. E 81/335, *I. Newman & Sons, Inc., v. L. Glass et al.* (*Capitol Brassiere & Girdle Co.*).

1,402,280, Jones & Nielsen, Paper feeding mechanism, C. C. A., 4th Cir., Dec. 3044, *Intercontinental Envelope Co. et al. v. Duplex Envelope Co., Inc.* Decree affirmed Nov. 12, 1935.

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1,508,757, F. L. Alexander, Device for torpedoing wells, D. C., S. D. Calif. (Los Angeles), Dec. J-66-S, *The Ford Alexander Corp. v. Hercules Well Shooting & Contracting Co. et al.* Dismissed without prejudice Nov. 22, 1935.

1,526,982, R. W. Hill, Stencil sheet, filed Oct. 28, 1935, D. C. Mo. (Kansas City), Doc. 2778, *A. B. Dick Co. v. W. R. Starkey et al.* Injunction granted Nov. 15, 1935. Same, D. C., N. D. Ill., E. Div., Doc. 9242, *A. B. Dick Co. v. Illinois Paper Co. et al.* Patent held valid and infringed. Injunction granted Apr. 16, 1935.

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1,657,873, E. F. Dreger, Apparatus for conditioning paper, filed Nov. 12, 1935, D. C., N. D. Calif. (San Francisco), Doc. E 2805-E, *E. F. Dreger v. Sunset Lithograph Co. et al.*

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1,762,961, C. H. Kirby, Carbureter, filed Nov. 15, 1935, D. C., W. D. Mich. (Grand Rapids), Doc. 2739, *Marvel Carburetor Co. et al. v. W. Bewerdink et al.* (*Electric Service Station*).

1,777,433, C. F. Hogelund, Full vision frost shield, C. C. A., 8th Cir. (St. Louis), Doc. 10269, *Durkee-Atwood Co. v. Fifth Second Co.* Decree affirmed Nov. 2, 1935. Doc. 10271, *Durkee-Atwood Co. v. W. P. Hilger.* Decree as above.

1,787,098, N. Wolf, Union suit, filed Nov. 15, 1935, D. C., S. D. N. Y., Doc. E 81/340, *N. Wolf et al. v. Marshall-Field & Co., Inc.* Doc. E 81/341, *N. Wolf et al. v. McLellan Stores Co.* Doc. E 81/191, *N. Wolf et al. v. Schlein et al.* Consent decree for plaintiff (notice Nov. 16, 1935).

1,792,672, E. V. Camp, Resilient traffic guard, appeal filed Nov. 9, 1935, C. C. A., 4th Cir., Doc. 3977, *J. M. Oates* (*Highway Safety Appliance Co.*) *v. E. V. Camp.*

1,796,867, G. Candas, Brooch and the like, filed Nov. 23, 1935, D. C., S. D. N. Y., Doc. E 81/367, *G. Candas et al. v. O. J. Agnini et al.*

1,822,402, W. F. Hoelthe, Safety gas cock, C. C. A., 4th Cir., Doc. 3815, *W. F. Hoelthe v. The C. M. Kemp Mfg. Co.* Decree of Circuit Court of Appeals of June 18, 1935 set aside and rehearing granted Oct. 10, 1935.

1,829,915, J. J. Wasser, Display device, filed Nov. 15, 1935, D. C., N. D. Calif. (San Francisco), Doc. E 2956-L, *Peerly Dairy Co. v. M. S. Manhard.*

1,834,070, J. J. Parkinson, Heating device, filed Nov. 13, 1935, D. C., S. D. N. Y., Doc. E 81/326, *Parkinson Heater Corp. et al. v. W. E. Warden* (*Warden Water Heaters*). Doc. E 81/329, *Parkinson Heater Corp. et al. v. W. Bobleck* (*Roby Distributing Co.*).

1,854,892. (See Re. 19,710.)

1,866,995, A. L. Wurster, Cravat holder, filed Nov. 21, 1935, D. C., S. D. N. Y., Doc. E 81/362, *Wrest Cravat Holder Co., Inc., et al. v. Imperial Merchandise Co., Inc.*

Same, D. C., E. D. N. Y., Doc. E 7751, *Wrest Gravel Holder Co., Inc.*, et al. v. *E. Lewis* et al. Consent decree for plaintiff Nov. 29, 1935.

1,987,230, M. Schwartzman, Attaching device, filed Nov. 25, 1935, D. C., S. D. N. Y., Doc. E 81/376, *H. Schwartzman* v. *A. Gompel* (*A. Gompel Millinery Supply Co.*).

1,982,563, W. D. Bartlett, Coin controlled vending machine, filed Oct. 19, 1935, D. C., N. D. Miss. (Delta), Doc. E 297, *W. D. Bartlett* v. *B. W. Hottle* et al. (*Hott Bros.*).

1,919,018, L. Goebbel, Ornamented lining fabric, D. C., S. D. N. Y., Doc. E 76/382, *L. Goebbel* v. *Art Silk Corp.* Consent decree for plaintiff (notice Nov. 16, 1935).

1,921,437, L. K. Stupell, Ornament, filed Nov. 18, 1935, D. C., S. D. N. Y., Doc. E 81/348, *L. K. Stupell* et al. v. *Brier Mfg. Co., Inc.*, et al.

1,922,133, H. S. Hougium, Windshield heater for motor vehicles, filed Nov. 8, 1935, D. C. Nebr. (Omaha), Doc. E 1491, *H. Peterson* (*Liberty Mfg. Co.*) et al. v. *Safety Equipment Mfg. Co.* Same, filed Nov. 12, 1935, D. C., S. D. Iowa (Council Bluffs), Doc. E 4217, *H. Peterson* (*Liberty Mfg. Co.*) et al. v. *Morris Register Co.*

1,981,621, C. M. Peterson, Fixture switch, filed Nov. 20, 1935, D. C., E. D. N. Y., Doc. E 7622, *Circle F Mfg. Co.* v. *Loudon Mfg. Co.*

1,943,800, P. Bischof, Take-up device for stranded cables, D. C., S. D. N. Y., Doc. E 79/184, *P. Bischof* v. *Superi Products Corp.* Consent and order of discontinuance (notice Nov. 21, 1935).

1,984,134, Himmel & Himmel, Structural member, filed Nov. 14, 1935, D. C. Conn. (New Haven), Doc. E 2496, *The Himmel Bros. Co.* v. *M. H. Berthiaume.*

1,967,954, P. Halpern, Garment, filed Nov. 6, 1935, D. C. Calif. (San Francisco), Doc. E 3964-L, *P. Halpern* v. *M. Goldstein, Inc.*, et al.

1,984,269, B. Greenbaum, Brassiere, D. C., N. D. Ohio, E. Div., Doc. 5181, *Kenold, Inc.*, et al. v. *W. Taylor Sons & Co.* Dismissed without prejudice Oct. 18, 1935.

2,009,990, Levenson & Berger, Undergarment, filed Nov. 14, 1935, D. C., E. D. N. Y., Doc. E 7220, *Boston Knitting Mills, Inc.*, v. *Sears, Roebuck & Co., Inc.* Same, D. C., S. D. N. Y., Doc. E 81/333, *Boston Knitting Mills, Inc.*, v. *E. P. Haight* et al. (*A. E. Haight & Co.*).

2,014,998, Schechter & Hoderman, Flexible tube and coupling, filed Nov. 15, 1935, D. C., S. D. N. Y., Doc. E 71/330, *American Cooler Co., Inc.*, v. *Jess Equipment & Service Co., Inc.*

2,017,962, C. E. Fuesser, Display receptacle, filed Nov. 15, 1935, D. C., N. D. Ohio, E. Div., Doc. 5347, *C. E. Fuesser* v. *The Laurel Biscuit Co.*

Re. 17,337, F. Milliken, Lubricated valve, D. C., S. D. N. Y., Doc. E 76/180, *Milliken Valve Corp.* v. *American Car & Foundry Co.* Consent and order of discontinuance (notice Nov. 21, 1935).

Re. 17,920, D. J. Cremen, Cap, D. C., E. D. Pa., Doc. 6027, *D. J. Cremen* v. *Keystone Adjustable Cap Corp.* Dismissed without prejudice (notice Nov. 8, 1935).

Re. 19,710 (of 1,854,600), Pollak & Osterreicher, Condensation product and method of making same, C. C. A., 2d Cir., Doc. 14320, *Catalin Corp. of America* v. *Catalosuit Mfg. Co., Inc.*, et al. Decree affirmed (notice Nov. 18, 1935).

Des. 87,087, J. J. Klecka, Finger ring, filed Nov. 19, 1935, D. C., S. D. N. Y., Doc. E 81/351, *J. R. Wood & Sons, Inc.*, v. *B. & E. J. Gross Co., Inc.*

Des. 96,963, A. Greenspan, Dress, filed Nov. 8, 1935, D. C., S. D. N. Y., Doc. E 81/314, *Century Frocks, Inc.*, v. *L. Weis.*

Des. 97,305, J. Rubin, Dressing table box, D. C., S. D. N. Y., Doc. E 81/302, *J. Rubin* v. *I. Perlmutter* et al. Consent decree for plaintiff (notice Nov. 21, 1935).

Des. 97,288, I. Geist, Blouse, filed Nov. 20, 1935, D. C., S. D. N. Y., Doc. E 81/332, *Mitchell & Weber, Inc.*, v. *Wm. Hamelbridge Mills, Inc.*

Disclaimers

Re. 18,317.—*John O. Black*, Los Angeles, Calif. PROCESS FOR HEATING OILS. Patent dated July 12, 1932. Disclaimer filed December 19, 1935, by the assignee, *Gasoline Products Company, Inc.*

Hereby enters this disclaimer to claims 1 and 2 of the aforesaid Letters Patent which are in the following words, to wit:

"1. A process of heating petroleum oils in tubular coils situated in a furnace which comprises first passing the oil through a section of coil located in the hottest zone of the furnace comprising a plurality of rows of tubes in which the flow of oil through the tubes of each row is substantially transverse to that of the flow of furnace gases and in which the passage of oil from row to row is in substantially the same direction as that of the flow of furnace gases and then passing the oil through a section of coil located in a less highly heated zone of the furnace comprising a plurality of rows of tubes in which the flow of oil through the tubes of each row is substantially transverse of the flow of furnace gases and in which the passage of oil from row to row is substantially counter-current to that of the furnace gases.

"2. A process of heating petroleum oils in tubular coils situated in a furnace which comprises first passing the oil through a section of coil located in the hottest zone of the furnace and arranged to absorb radiant heat comprising a plurality of rows of tubes in which the flow of oil from row to row is in substantially the same direction as that of the flow of furnace gases, and then passing the oil through a section of coil located in a less highly heated zone of the furnace comprising a plurality of rows of tubes in which the flow of oil through the tubes of each row is substantially transverse of the flow of furnace gases and in which the passage of oil from row to row is substantially counter-current to that of the furnace gases."

1,485,186.—*Harold D. Arnold*, East Orange, N. J. SYSTEM OF DISTRIBUTION. Patent dated February 26, 1924. Disclaimer filed December 20, 1935, by the assignee, *Western Electric Company, Incorporated.*

Hereby enters this disclaimer to the following claims, being claims 1 to 19 inclusive, 15 and 18 of said patent, in the following words, to wit:

"1. An oscillation generator comprising a resonant circuit for determining the frequency supplied by said generator, a load circuit adapted to be energized by said generator and a three electrode electric discharge repeater for transferring alternating current energy from said generator to said load circuit and preventing said load circuit from reacting on said generator.

"2. An oscillation generator susceptible to reactive effects, an alternating current load circuit and a three electrode asymmetrically conducting repeater for transferring alternating current of the generator frequency to said load circuit.

"3. An oscillation generator susceptible to reactive effects, an alternating current load circuit and an audion repeater for transferring current of the generator frequency to said load circuit.

"4. An oscillation generator of the feed-back type, a reactive load circuit, an asymmetrically conducting repeater device having three electrodes, means for coupling said generator to two of said electrodes and means for coupling said load circuit to one of said first-mentioned electrodes and to the third electrode.

"5. An oscillation generator of the audion type, an alternating current load circuit and an audion repeater between said generator and said load circuit whereby the frequency of the current supplied by said generator is independent of the character of said load circuit.

"6. An oscillation generator comprising a discharge device having an input circuit and an output circuit reacting upon said input circuit, a load circuit for coupling said generator to a load, and an asymmetrically conducting repeater in circuit between said generator and said load for preventing said load from reacting on said generator.

"7. In a system of distribution, an oscillation generator comprising a discharge device having an anode, a cathode and an impedance controlling electrode and input and output circuits, means for transferring energy from said output circuit to said input circuit, a load circuit energized from said output circuit, and a discharge device constituting a repeater having an anode, a cathode and an impedance controlling electrode connected between said output circuit and said load circuit whereby the load is prevented from reacting on said generator.

"8. An electron discharge device having an input circuit and an output circuit reacting upon said input circuit, a load circuit energized from said output circuit, and an asymmetrically conducting repeater element between said output circuit and said load circuit.

"9. In a system of distribution, a circuit for absorbing energy, a discharge device in said circuit for controlling said energy, an output circuit for said discharge device, means for transferring energy from said output circuit back to said first circuit, a load circuit energized from said output circuit, and an asymmetrically conducting repeater device between said output circuit and said load circuit.

"10. In a system of distribution, a discharge device having an anode, a cathode and an impedance controlling electrode and input and output circuits, means for transferring energy from said output circuit to said input circuit, a load circuit energized from said output circuit, and a discharge device constituting a repeater having an anode, a cathode and an impedance controlling electrode connected between said output circuit and said load circuit whereby the load is prevented from reacting on said generator.

"15. A generator of characteristically varying waves comprising reactance elements for determining the frequency of the waves generated, the frequency of said generator being affected by the reaction of other reactance elements on said frequency determining reactance elements, a reactive load circuit connected to said generator to be supplied with sinusoidal waves of the frequency of the waves generated by said generator, in combination with means for preventing said load circuit from affecting the frequency of the waves supplied comprising a space discharge repeater capable of repeating from said generator to said load circuit but not capable of repeating from said load circuit to said repeater.

"18. An oscillation generator comprising an electric discharge device having input and output circuits which are coupled in feed-back relation and which comprise reactances that substantially determine the frequency of the oscillations produced, a reactive load circuit to which oscillations are to be supplied, and an alternating current repeater having an input circuit associated with said generator to receive alternating current therefrom, and an output circuit associated with said load circuit to impress repeated alternating current of the frequency produced by said generator thereupon, said repeater input and output circuits being asymmetrically connected whereby the impedance of the input circuit is substantially negligibly influenced by the impedance conditions of said output circuit and said load circuit is prevented from reacting upon said generator to change the characteristics of the generated oscillations."

1,708,921.—*Carl Georg Munthe*, Stockholm, Sweden. REPRODUCTION. Patent dated March 31, 1931. Disclaimer filed December 17, 1935, by the assignee, *Servel, Inc.*

Hereby enters this disclaimer to claims 3, 4, 5, and 6 thereof, to wit:

"3. A refrigerator having a compartment to be cooled, said compartment containing an evaporator, a cooling fin in said compartment, a conduit in said compartment attached to said evaporator and to said fin, and a volatile fluid partly filling said conduit.

"4. A refrigerator having a compartment to be cooled, said compartment containing an evaporator and an element to be cooled by said evaporator, a conduit in heat exchange relation with said element and with said evaporator, and a volatile fluid partly filling said conduit.

"5. A refrigerator having a compartment to be cooled, an evaporator in said compartment, an element in said compartment to be cooled by said evaporator, a conduit in heat exchange relation with said element and with said evaporator and a volatile fluid partly filling said conduit.

"6. A refrigerator having a cooling compartment and a heat transfer device in said cooling compartment containing a volatile liquid for producing an interchange of heat between different parts of the compartment."

1,819,508.—*Clarence W. Hansell*, Rocky Point, N. Y. COMMUNICATION BY FREQUENCY VARIATION. Patent dated August 18, 1931. Disclaimer filed December 11, 1935, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer with respect to claims 12 and 24 of the said patent, to wit:

"12. The method of eliminating the effect of partial fading of frequency modulated signals which includes discriminating between amplitude and frequency variation by limiting the received signal to the low signal level, and thereafter changing frequency modulation to amplitude modulation for detection."

"24. In a frequency modulation receiver arranged to eliminate the effect of partial fading of frequency modulated signals, the combination of means to limit the signal energy to the low signal level, and means to thereafter change the frequency modulation of the limited signal energy to amplitude modulation for detection."

1,831,676.—*Ulmrin A. Blodgett*, South Brewer, and *Hugo H. Hanson*, Bangor, Maine. METHOD FOR THE PREPARATION OF STRONG BLEACHED SULPHATE PULP. Patent dated November 10, 1931. Disclaimer filed December 10, 1935, by the assignee, *Eastern Manufacturing Company.*

Hereby enter this disclaimer to that part of claims 3 and 4 in said patent which is in the following words, to wit:

"reactive compound of sulphur",—insofar as this term includes sodium sulphide.

1,881,481.—*Philip F. Scofield*, Palo Alto, Calif. INDUCTANCE COIL. Patent dated December 20, 1932. Disclaimer filed December 7, 1935, by the patentee.

Hereby enters this disclaimer to claims 1, 5, and 6 of said Letters Patent which are in the following words, to wit:

"1. An inductor comprising a conductor disposed in a coil of at least one turn, said conductor having a core of material having a low coefficient of thermal expansion fixed to a shell of conducting material having a high electrical conductivity and a relatively high coefficient of expansion."

"5. An inductor comprising a conductor disposed in a coil of at least one turn, said conductor having a core of relatively low coefficient of expansion and high rigidity, and a conducting shell fixed to said core and constrained thereby against expansion in the direction of the length of the core.

"6. An inductor comprising a conductor disposed in a coil of at least one turn, said conductor having a core of nonconducting material having a low coefficient of thermal expansion fixed to a shell of conducting material having a high electrical conductivity and a relatively high coefficient of thermal expansion."

1,884,800.—*Norman Tschebotar*, Komotau, Czechoslovakia. METHOD AND APPARATUS FOR MACHINING ROLLS SUCH AS PILGER ROLLS AND THE LIKE. Patent dated January 17, 1932. Disclaimer filed November 30, 1935, by the patentee.

Hereby enters this disclaimer to claims 1, 2, and 19 of the aforesaid Letters Patent, which are in the following words:—

"1. In a machine tool for machining rolls of the kind described, the combination of a rotatable table provided with bearings for supporting a pair of rolls to be machined with their axes parallel to one another and to said table, a tool holder carried on the frame of the machine and extending between the pair of rolls so mounted, means for rotating said table, mechanism for rotating each roll about its axis to feed the same to a tool in said holder and mechanism for automatically moving the tool holder in directions transverse to the axis of rotation of the table as the same rotates and for the purpose specified.

"2. In a machine tool for machining rolls of the kind described, the combination of a rotatable table provided with bearings for supporting a pair of rolls to be machined with their axes parallel to one another and to said table, a tool holder movably mounted on the machine frame and extending between the pair of rolls so mounted, means for moving said tool holder radially with respect to said table, means for rotating said table, mechanism for rotating each roll about its axis to feed the same to a tool in said holder and mechanism for moving the tool holder in directions transverse to the axis of rotation of the table as the same rotates, and for the purpose specified."

"19. A method of machining rolls, for example, Pilger rolls, which consists in (a) rotating a pair of rolls having their axes disposed parallel to one another about an axis which extends between the rolls in a direction at right angles to the axes thereof (b) subjecting the rolls as they rotate to cuts across the peripheral faces thereof from a tool located between the rolls, and (c) periodically moving the tool radially with respect to the said axis of rotation of the pair of rolls in such a manner that the cuts are made in accordance with the desired contour of the rolls."

1,902,526.—*Kurt Schmidt*, Wuppertal-Elberfeld-Grenze, Germany. FILAMENT TREATMENT. Patent dated March 21, 1933. Disclaimer filed December 6, 1935, by the assignee, *North American Rayon Corporation.*

Hereby enters this disclaimer to those claims numbered 3, 4, 5, 6, and 8, in the said Letters Patent, said claims being in the following words, to wit:

"3. In a process of the class set forth, the steps of drying spool-spun filaments, rewinding and twisting them onto a second support, removing the filament body so

formed, as a unit, and treating this body to aftertreatment and drying while in an unsupported state.

"4. In a process of the class set forth, the steps of drying spool-spun filaments, rewinding them onto a second support to form a filament body comprising a tightly wound cake, removing the filament body so formed, as a unit, and treating this body to aftertreatment and drying while in an unsupported state.

"5. In a process of the type described, the steps of spinning and drying filaments, rewinding the yarn into a tight cake onto second supporting means from which the cake may be removed bodily, removing the cake bodily and then wet treating and drying it while it is in an unsupported condition.

"6. In the production of even shrinkage yarn, the steps of spooling spun filaments, respooling onto secondary supports, in the form of a tight cake-like filament body, removing the filaments bodily from said secondary supports, and wet treating and drying them unsupported."

1,929,284.—*Julius Vons*, Wiesbaden-Biebrich, Germany. PRINTED REGENERATED CELLULOSE AND A METHOD OF PRODUCING IT. Patent dated October 3, 1933. Disclaimer filed December 23, 1935, by the assignee, *The Visking Corporation*.

Hereby disclaims claim 3 of said patent and the subject matter of said claim 3.

1,945,807.—*Frederick G. Folberth* and *William M. Folberth*, Cleveland, Ohio. CLUTCH AND BRAKE CONTROL MECHANISM. Patent dated February 6, 1934. Disclaimer filed December 9, 1935, by the patentees.

Hereby enter this disclaimer to claims 11 and 14 which are in the following words, to-wit:

"11. In apparatus of the class described, the combination of a manually operable clutch actuating pedal, fluid pressure actuated means connected to said clutch pedal and adapted to exert a force tending to move said pedal in clutch disengaging direction, a valve for controlling said fluid pressure actuated means and mechanical connections between said valve and said clutch pedal whereby the initial movement of said pedal in either clutch engaging or clutch disengaging direction operates said valve.

"14. In apparatus of the class described, the combination of manually operable clutch operating mechanism, fluid pressure actuated means connected to said clutch operating mechanism and adapted to exert a force tending to move said clutch operating mechanism in clutch disengaging direction, a valve for controlling said fluid pressure actuated means and mechanical connections between said valve and said clutch operating mechanism whereby the initial movement of said clutch operating mechanism in either clutch engaging or clutch disengaging direction operates said valve."

1,983,914.—*Byers W. Kadel*, Baltimore, Md., and *Donald H. Sawyer*, Rochester, N. Y. RAILWAY TRUCK. Patent dated June 19, 1934. Disclaimer filed December 21, 1935, by the assignee, *The Symington Company*.

Hereby enters this disclaimer to that part of the claims in said specification which is in the following words, to wit:

"5. In a car truck, a bolster, a pair of side frames, each having a shelf portion and a tension portion therebelow, said bolster having means projecting from opposite ends thereof and integral therewith and extending through openings in the respective side frames sheives for tying said side frames together, spring means above each shelf supporting said bolster, leaf spring means in said tension portion and extending longitudinally thereof, said leaf spring means cooperating with the associated bolster projecting means for supporting said bolster, means supporting said leaf spring means in spaced relation to the bottom of said tension portion, and means on said leaf spring means cooperating with said bolster projecting means for limiting movement of said leaf spring means with respect to said bolster."

"10. In a railway vehicle, spaced side frames having bolster openings therein and a transverse bolster having its ends guided in said openings, each of said side frames having a central spring supporting portion, tension members extending from said spring supporting portion, and bolster guiding spring plate supporting columns with bolster guiding surfaces rising upwardly from said spring supporting portion and tension members, said tension members and bolster columns each having spaced side walls integral with the spring, semi-elliptic springs extending longitudinally of said side frames beyond said guiding surfaces, housed between walls of said tension members, and having their ends supported at a distance from said spring supporting portion by means interposed between the semi-elliptic springs and tension members, said semi-elliptic springs being in load supporting engagement with said bolster, and coil springs supporting said bolster."

"20. In a railway vehicle, in combination, a side frame having tension and compression members and spaced struts integrally connecting said tension and compression members and forming a window therewith, the tension member between said struts having a seat portion, a bearing provided on said tension member below said seat portion, and having a lower web spaced from said seat portion, a load carrying member extending into said window, coil springs interposed between said seat portion and said load carrying member, a spring seat in said bearing having a spring engaging portion spaced from said lower web, a longitudinally extending leaf spring, longer than the distance between said struts, engaging said spring engaging portion, and means interposed between said leaf spring and load carrying member, whereby said load carrying member is resiliently supported on said side frame by said coil and leaf springs."

"24. In a railway vehicle, in combination, a side frame having tension and compression members and spaced struts integrally connecting said tension and compression members and forming a window therewith, the tension member between said struts having a seat portion, coil springs supported thereon, a bearing provided on said tension member below said seat portion and having a lower web spaced from said seat portion, a seat carrying member extending into said window and supported by said coil springs, seats spaced a greater distance apart than the width of said window and supported in said bearing above said lower web, a semi-elliptic leaf spring having its ends supported on said spaced seats, and means interposed between said leaf spring and load carrying member, whereby said load carrying member is resiliently supported on said side frame by said coil and leaf springs."

2,008,208.—*Charles O. Clark*, St. Bernard, Ohio. HYDROUS SULPHONATED FATTY ACID ESTERS AND THEIR PRODUCTION. Patent dated June 25, 1935. Disclaimer filed December 18, 1935, by the assignee, *The Procter & Gamble Co.*

Hereby enters this disclaimer to the process of claim 6 in so far as such process comprises causing 1:2 dihydroxy propane 3-sulfonic acid to react with a compound selected from the group consisting of fatty acids containing at least six carbon atoms per molecule and their alkali metal salts, and in so far as such process comprises causing the soluble salts of 1:2 dihydroxy propane 3 sulphonic acid to react with a compound selected from the alkali metal salts of the group consisting of fatty acids containing at least six carbon atoms per molecule.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 14, 1936

[VOL. 462. No 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

Receptacles

Ser. No. 371,937. R. G. SQUIRE & SONS, New York, N. Y. Filed Nov. 23, 1935.

PRESSULES

For Collapsible Metallic Containers.
Claims use since Nov. 15, 1932.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 365,964. THE M. WERK COMPANY, St. Bernard, Ohio. Filed Sept. 4, 1935.

1832
FLOATING LAUNDRY SOAP
THE M. WERK CO.
ESTABLISHED 1832

The representation of the top of a cake of soap and all wording except "1832" are disclaimed apart from the mark.
For Soap.
Claims use since Nov. 11, 1932.

Ser. No. 371,057. THE DAVIES-YOUNG SOAP COMPANY, Dayton, Ohio. Filed Nov. 1, 1935.

KLOR-LENE

For Liquid Spotting Solution for Use in Dry Cleaning.
Claims use since July 15, 1935.

Ser. No. 371,483. THE GERBO COMPANY, INC., Philadelphia, Pa. Filed Nov. 13, 1935.

Drionizing

For Cleaner for Household and Industrial Uses, More Particularly for Cleaning Railway Rolling Stock.
Claims use since Oct. 26, 1936.

Ser. No. 371,495. HARRY I. HULL, Queens Village, Long Island, N. Y. Filed Nov. 13, 1935.



For Hand Cleansers, Soaps, and the Like.
Claims use since July 18, 1934.

Ser. No. 371,620. THE BARRABOL COMPANY, Indianapolis, Ind. Filed Nov. 18, 1935.



The drawing is lined for blue and red, the unlined portions indicating white. The representation of a carton per se is disclaimed.
For Paste-Like Preparation for Shaving.
Claims use since September, 1910.

Ser. No. 371,856. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France. Filed Nov. 22, 1935.

MADEMOISELLE PEAU FRAÎCHE

For Soaps.
Claims use since June 18, 1935.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 355,682. NATIONAL LABORATORIES, INC., New York, N. Y. Filed Aug. 31, 1934.

TONICOLOR

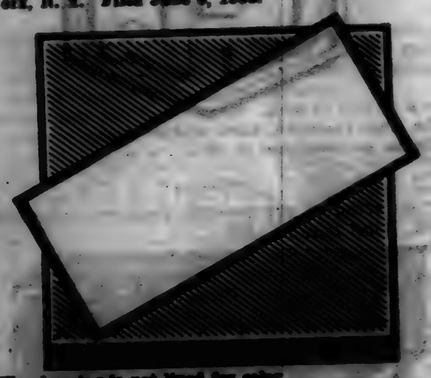
No claim is made to "Tonicolor" apart from the mark.
For Finger Wave Lotion Including a Washable Color.
Claims use since Mar 1, 1934.

Ser. No. 362,886. New England Alcohol Company, Everett, Mass. Filed Apr. 17, 1935.



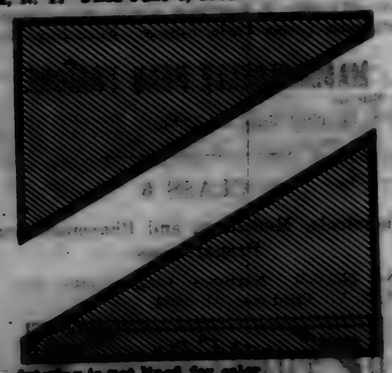
For Denatured Alcohol to Be Used for Anti-Freeze Compositions.
Claims use since Sept. 18, 1934.

Ser. No. 363,257. Standard Brands Incorporated, New York, N. Y. Filed June 6, 1935.



The drawing is not lined for color.
For Phosphate and Lactate Mixture Suitable for Use with Sodium Bicarbonate for the Same Purpose as Baking Powder.
Claims use since July, 1934.

Ser. No. 363,258. Standard Brands Incorporated, New York, N. Y. Filed June 6, 1935.



The drawing is not lined for color.
For Phosphate and Lactate Mixture Suitable for Use with Sodium Bicarbonate for the Same Purpose as Baking Powder.
Claims use since July, 1934.

Ser. No. 366,886. Stephens Laboratories, Inc., New York, N. Y. Filed Aug. 16, 1935.

Jane Addams

The name "Jane Addams" is the name of a deceased celebrity.
For Perfumes, Face Powder, Toilet Waters, Lipsticks, Rouges, and Cosmetical Compounds.
Claims use since Aug. 1, 1935.

Ser. No. 368,188. Chemische Fabriken Dr. Joachim Wiemik & Co. Aktiengesellschaft, Berlin-Waidmannslust, Germany. Filed Sept. 10, 1935.

"Apondon"

For Preparation for the Treatment of Obesity.
Claims use since Oct. 12, 1934.

Ser. No. 368,868. Jacinto Soca, doing business as The Mustavix Chemical Company, Brooklyn, N. Y. Filed Sept. 20, 1935.

MUSTAVIX

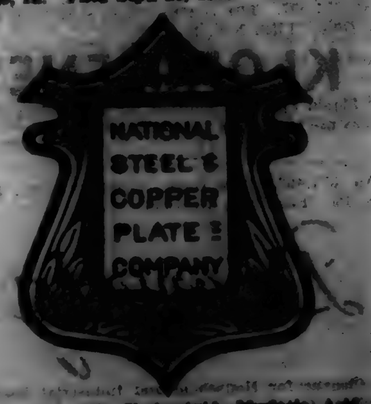
For Salves and Ointments for External Use for the Relief of Congestion and Colds.
Claims use since Sept. 1, 1933.

Ser. No. 369,686. Aktiengesellschaft Johannes Jaenecke, Berlin-Charlottenburg, Germany. Filed Sept. 25, 1935.

COPALIT

For Condensing Products of Phenols or of Aldehyds, Resins, and Artificial Resins.
Claims use since May 1, 1935.

Ser. No. 369,940. National Steel & Copper Plate Co., Chicago, Ill. Filed Sept. 26, 1935.



For Acetic Acid, Citric Acid, Malonic Acid, Nitric Acid, Oxalic Acid, Albumen, Denatured Alcohol, Alum,

Ammonia-Water, Benzol, Charcoal, Gum-Arabic, Iron Sulfate, Magnesium Carbonate, Potassium Ferricyanid, Potassium Permanganate, Stirling-Powder, Subsemester, Sodium [illegible] Claims use since Apr. 1, 1935.

Ser. No. 369,942. National Steel & Copper Plate Co., Chicago, Ill. Filed Sept. 26, 1935.

NALCO

For [illegible] Re-Sublimed.
Claims use [illegible]

Ser. No. 370,[illegible] doing business as Thomas Treatment Company, Tulsa, N. C. Filed Oct. 18, 1935.

T.R.C.

For Medicine for Coughs and Colds.
Claims use since September, 1935.

Ser. No. 370,940. Vincenzo Bocchini, doing business as Vita Company, Philadelphia, Pa. Filed Oct. 19, 1935.

TERPICINE

For Medicinal Preparation for Coughs Due to Colds or Bronchitis.
Claims use since Mar. 1, 1932.

Ser. No. 370,527. Ellis-Foster Company, Montclair, N. J. Filed Oct. 26, 1935.

POLYM

For Synthetic Resins of the Phenol Aldehyde Type.
Claims use since July 31, 1935.

Ser. No. 370,884. Mayo Bros. Laboratories, Los Angeles, Calif. Filed Oct. 28, 1935.



The drawing is not lined for color.
For Tooth Paste and Tooth Powder.
Claims use since Oct. 21, 1935.

Ser. No. 371,264. Max Sonnabend, doing business as Walcodan Co., New York, N. Y. Filed Nov. 6, 1935.

WALCODAN

For Dandruff Remover and Scalp Antiseptic Preparation, Skin Cream, Skin Lotion, Massage Cream, Perfumery, Face Powder, Deodorant, Nail Polish, and Hair Tonic.
Claims use since June 14, 1935.

Ser. No. 371,290. Carbide and Carbon Chemicals Corporation, New York, N. Y. Filed Nov. 7, 1935.

TERGITOL

For Wetting Out Agents, Emulsifying Agents, Compositions for Accelerating the Penetration of Liquids Into Solid Materials, and Agents for Increasing the Miscibility of Liquids, Other Than for Laundries and Dry Cleaning Concerns, and Not Intended for Sale or Distribution to Supply Houses Dealing with Those Industries.
Claims use since Dec. 18, 1934.

Ser. No. 371,306. I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Filed Nov. 7, 1935.

Latekoll

For Latex-Thickening Agents.
Claims use since Sept. 10, 1935.

Ser. No. 371,326. S. R. Squibb & Sons, New York, N. Y. Filed Nov. 7, 1935.

SENODIN

For Preparations for the Treatment of Affections of the Respiratory Tract.
Claims use since Oct. 21, 1935.

Ser. No. 371,338. W. H. & L. D. Betz, Philadelphia, Pa. Filed Nov. 8, 1935.

THQ

For Tetrahydroxyquinone Indicator.
Claims use since April, 1934.

Ser. No. 371,367. Chemische Fabrik Grunau, Landshoff & Meyer A.-G., Berlin-Grunau, Germany. Filed Nov. 8, 1935.

Neospiran

For Medicinal and Pharmaceutical Preparation for the Stimulation of the Respiratory System and Circulation.
Claims use since July 20, 1935.

Ser. No. 371,372. R. T. Vanderbilt Company, Inc., New York, N. Y. Filed Nov. 8, 1935.

KALVAN

For Precipitated Calcium Carbonate.
Claims use since Oct. 26, 1935.

Ser. No. 371,401. SURFACE COMBUSTION CORPORATION, Toledo, Ohio. Filed Nov. 9, 1935.

KATHENE

For Air Conditioning Fluids.
Claims use since Oct. 29, 1935.

Ser. No. 371,412. HARRY R. ATWOOD, doing business as H. R. Atwood and Co., San Diego, Calif. Filed Nov. 11, 1935.



For Salve for Cuts, Burns, Sores, and Skin Irritations.
Claims use since Apr. 5, 1931.

Ser. No. 371,477. PAUL FRANK SOCOLOVSKY, New York, N. Y. Filed Nov. 12, 1935.

24-HR

For Tooth Powder Preparation.
Claims use since July 10, 1934.

Ser. No. 371,504. BONWIT TELLER, INC., New York, N. Y. Filed Nov. 15, 1935.

721

For Bath and Talcum Powder, Bath Oil, Perfumes, and Toilet Water.
Claims use since July, 1935.

Ser. No. 371,671. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn. Filed Nov. 18, 1935.

Barbara Bates

Trade-mark is a facsimile signature of a person of that name.
For Nail Polish and Bleach, Powders, Lotions, Creams, and Softeners for the Hands, Feet, and Face, Cuticle Creams.
Claims use since Nov. 8, 1935.

Ser. No. 371,834. MEYER TOBIN, doing business as Alkine Laboratories, New Brunswick, N. J. Filed Nov. 21, 1935.

FLEMOLYN

The drawing is lined for brown.
For Preparation for the Relief of Coughs Due to Colds, Throat Irritations, and for Soothing the Bronchial Tract.
Claims use since Jan. 1, 1932.

Ser. No. 371,837. B. DARTHEY & CIE., doing business as Parfumerie Caron, Paris, France. Filed Nov. 22, 1935.

MADEMOISELLE PEAU FRAÎCHE

For Perfumes, Toilet Waters, Face and Toilet Powders, Powder and Rouge Compacts, Rouges, Lipsticks, Bath Salts, Lotions for the Skin and Hair, and Sachets.
Claims use since June 15, 1926.

Ser. No. 371,895. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed Nov. 22, 1935.



Excepting the word "Vaseline" and the name of applicant, all wording is disclaimed apart from the mark. No claim is made to the representation of a container or a container label. As actual use the mark is printed in blue and yellow upon a white background.
For Camphor Ice.
Claims use since Oct. 30, 1935.

Ser. No. 371,914. ELECTRIC ENERGY CO., Oakland, Calif. Filed Nov. 23, 1935.

ELECTRIC ENERGY

For Chemical in Crystal Form for Use in Storage Battery Electrolyte to Prevent Freezing, Overheating, Corrosion, Overcharging, and Sulphation.
Claims use since July 1, 1935.

Ser. No. 371,920. DOROTHY GRAY, Bloomfield, N. J. Filed Nov. 23, 1935.

SALON

For Face Powder.
Claims use since Aug. 21, 1933.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 372,316. WILLIAM J. H. ROEHLER, Fort Worth, Tex. Filed Dec. 6, 1935.

LITTLE RED DEVIL

For Fireworks.
Claims use since Nov. 1, 1932.

CLASS 12

Construction Materials

Ser. No. 362,662. BRADEN MANUFACTURING COMPANY, Terre Haute, Ind. Filed Mar. 18, 1935.

COPPER-MIX

The expression "Copper-Mix" is disclaimed apart from the mark.
For Metal Roofing.
Claims use since Feb. 25, 1935.

Ser. No. 369,823. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Oct. 2, 1935.

WEATHERLOK

For Composition Shingles and Composition Roofings.
Claims use since Aug. 2, 1935.

Ser. No. 371,907. UNITED STATES PLYWOOD CO. INC., New York, N. Y. Filed Oct. 30, 1935.



The word "Plywood" and the representation of the goods are disclaimed except as shown.
For Plywood.
Claims use since September, 1932.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 371,873. CARL E. LEHMAN, doing business as Faucetqueen Company, Chicago, Ill. Filed Nov. 22, 1935.

FAUCET-QUEEN

For Faucet Strainer Attachment.
Claims use since Oct. 16, 1935.

Ser. No. 372,006. A. L. HANSEN MFG. CO., Chicago, Ill. Filed Nov. 29, 1935.

HANSCO

For Machine Staples.
Claims use since Nov. 6, 1935.

CLASS 15

Oils and Greases

Ser. No. 370,389. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Oct. 15, 1935.

Flying Horse

For Lubricating Oil.
Claims use since June 28, 1935.

Ser. No. 370,752. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Oct. 24, 1935.

ODNOL

For Petroleum Products, Particularly Petroleum Oils for Various Uses in Industrial Arts.
Claims use since Oct. 1, 1935.

Ser. No. 370,753. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Oct. 24, 1935.

ATREOL

For Petroleum Products, Particularly Petroleum Oils for Various Uses in Industrial Arts.
Claims use since Aug. 21, 1935.

Ser. No. 371,008. INDIAN REFINING COMPANY, Lawrenceville, Ill. Filed Oct. 31, 1935.



The drawing is lined for red and blue.
For Lubricating Oils.
Claims use since Jan. 16, 1934.

Ser. No. 371,006. PETROLEUM FUELS CORPORATION, Port Chester, N. Y. Filed Nov. 15, 1935.



The drawing is lined for red.
For Gasoline, Fuel Oils, and Lubricating Oils.
Claims use since Oct. 1, 1934.

CLASS 16

Paints and Painters' Materials

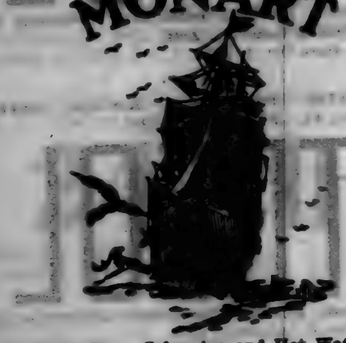
Ser. No. 371,079. ROY ELWOOD ROTH, doing business as Roth & White, Lancaster, Pa. Filed Nov. 1, 1935.

NUFIN

For Finish or Polish for Furniture, Floors, Woodwork, Automobiles, Etc.
Claims use since Sept. 30, 1935.

Ser. No. 371,120. ATLANTIC CALCOMINE CO., INC., Brooklyn, N. Y. Filed Nov. 4, 1935.

MONART



For Cold Water Calcomine and Hot Water Calcomine.
Claims use since Oct. 18, 1933.

Ser. No. 371,826. REPUBLIC CORPORATION, New York, N. Y. Filed Nov. 21, 1935.

LIQUID METALLATION

The word "Liquid" is disclaimed apart from the mark.
For Aluminum Paint.
Claims use since Mar. 1, 1935.

Ser. No. 372,200. THE MURALO COMPANY, INC., New Brighton, N. Y. Filed Dec. 5, 1935.

MUROCAL

For Dry Powder to Be Mixed with Water and Used as a Calcimine or Decorative Wall Coating.
Claims use since May 1, 1935.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 371,628. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Oct. 21, 1935.

GENERAL ELECTRIC

For Air Brakes and Parts Thereof.
Claims use since October, 1934.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 371,166. JAMES B. BRADLEY CORPORATION, St. Louis, Mo. Filed Nov. 4, 1935.

COP-OR-ALL CON-NEC-TITE

The word "Con-nec-tite" is disclaimed apart from the mark.
For Electrical Connectors.
Claims use since Oct. 14, 1935.

Ser. No. 371,674. CONTINENTAL MOTORS CORPORATION, Detroit and Muskegon, Mich. Filed Nov. 12, 1935.

PERM-o-FLUX

For Sound Reproducers and Parts Thereof, Particularly Speakers or Sound Reproducers for Radio Receiving Sets.
Claims use since Nov. 6, 1935.

Ser. No. 371,675. CONTINENTAL MOTORS CORPORATION, Detroit and Muskegon, Mich. Filed Nov. 12, 1935.



The drawing is lined for red. The words "Motors" and "America's Standard" are disclaimed apart from the mark.
For Sound Reproducers and Parts Thereof, Particularly Speakers or Sound Reproducers for Radio Receiving Sets.
Claims use since Nov. 9, 1935.

Ser. No. 371,676. CONTINENTAL MOTORS CORPORATION, Detroit and Muskegon, Mich. Filed Nov. 12, 1935.



The drawing is lined for red and gold. The words "Dynamic", "Speaker", "Motor", and "America's Standard" are disclaimed apart from the mark.
For Sound Producers and Parts Thereof, Particularly Speakers or Sound Reproducers for Radio Receiving Sets.
Claims use since Nov. 9, 1935.

Ser. No. 371,802. CASTLE (Estate) INCORPORATED, doing business as Roybloc Distributors, Minneapolis, Minn. Filed Nov. 23, 1935.

Roybloc

For B-Batteries, Flashlight Batteries, and Dry Cells.
Claims use since Sept. 1, 1927.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 370,462. BEATRICE L. DOWSING, Hollywood, Calif. Filed Oct. 17, 1935.



For Astrological Games.
Claims use since Sept. 30, 1935.

Ser. No. 371,901. GAM SALES COMPANY, Peoria, Ill. Filed Nov. 25, 1935.

BARREL of FUN

For Number Game Played with Counters.
Claims use since Oct. 1, 1934.

Ser. No. 371,931. CHARLES BURRELL OLDS, JR., Cleveland, Ohio. Filed Nov. 25, 1935.

JUG-A-LO

For Ball and Cup Game.
Claims use since Oct. 22, 1935.

Ser. No. 372,002. DOMENICO FRISOLI, doing business as Scientific Model Airplane Co., Newark, N. J. Filed Nov. 29, 1935.

SCIENTIFIC MODEL AIRPLANE CO.

No claim is made to the wording or to the representation of the goods. The drawing is lined for green.
For Toys—Namely, Model Aeroplanes, Motorboats, and Automobiles.
Claims use since 1932.

Ser. No. 372,242. ROBERT W. SWAN, JR., Rockaway Beach, New York, N. Y. Filed Dec. 6, 1935.

PICK-A-WORD

For Word Puzzles.
Claims use since Jan. 26, 1934.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 370,855. BUSSEY-BLAKE HARDWARE COMPANY, Texarkana, Ark. Filed Aug. 1, 1935.



BLACKBIRD

The drawing is lined for red.
For Axes.
Claims use since April, 1935.

Ser. No. 371,090. CROWN REFRIGERATOR CO. INC., Newark, N. J. Filed Nov. 2, 1935.

CROWN

For Beer Dispensing Apparatus Comprising Pumps, Compressors, Motors, Switches, Grid Condensers, Fans, Air Purifier, Gauges, Air Regulator, Check Valves, Tanks, Faucets and Condenser Traps.
Claims use since May 1, 1934.

Ser. No. 371,197. H. DORNE & CO., INC., New York, N. Y. Filed Nov. 5, 1935.

U-TIL-I-TEE

For Articles of Household Cutlery—Namely, Table Knives, Paring Knives, Butter Knives, Forks, Tablespoons, Fruit-Spoons, Teaspoons, Spreaders, Shears, Made of Base Metal.
Claims use since Aug. 1, 1935.

Ser. No. 371,383. CHEW LEVICK COMPANY, Philadelphia, Pa. Filed Nov. 8, 1935.

RIDE PROVER

For Machines to Be Used for Dispensing Grease to Any Type of Automotive Vehicle Including Passenger Cars, Trucks, Busses, and the Like.
Claims use since Oct. 9, 1935.

Ser. No. 371,698. HARRY K. DEPUE, Somerton, Pa. Filed Nov. 9, 1935.

DEPUE SUPERBILT

For Hand Operated Garden Rakes.
Claims use since Oct. 24, 1935.

Ser. No. 371,422. THE STARR APPLIANCE COMPANY, Detroit, Mich. Filed Nov. 11, 1935.

THERMERON

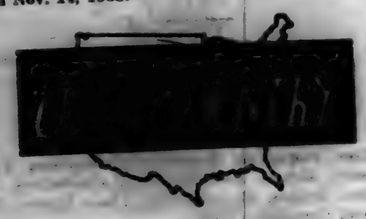
For Devices for Adapting Internal Combustion Engines to Burn Fuel Oil.
Claims use since Oct. 2, 1935.

Ser. No. 371,471. PHILIP J. KROLL, doing business as P. J. Kroll Engineering Associates, New York, N. Y. Filed Nov. 12, 1935.

"Dynamic Lubrication"

The word "Lubrication" is disclaimed apart from the mark.
For Machines for Jacking and Rocking Vehicles.
Claims use since June 6, 1935.

Ser. No. 371,558. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Nov. 14, 1935.



For Automobile Oil Filters.
Claims use since July, 1934.

Ser. No. 371,559. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Nov. 14, 1935.

Reliance

For Automobile Oil Filters.
Claims use since July, 1934.

Ser. No. 371,969. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y. Filed Nov. 26, 1935.

CORRUX

For Razor Blades and Razors.
Claims use since Oct. 30, 1935.

Ser. No. 372,019. OTTO E. KRAUS, Chicago, Ill. Filed Nov. 26, 1935.

friendly

For Razor Blades.
Claims use since Nov. 7, 1935.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 362,576. JERNKONTORET, Stockholm, Sweden. Filed Mar. 15, 1935.



For Apparatus and Scientific Appliances for Testing Metals, Especially Iron and Steel for Hardness, Tensile Strength, Melting Point, and Other Physical and Metallographic Properties.
Claims use since May, 1934.

Ser. No. 368,678. APPLIANCE ENTERPRISES, INC., Denver, Colo. Filed Aug. 22, 1935.

BANK NIGHT

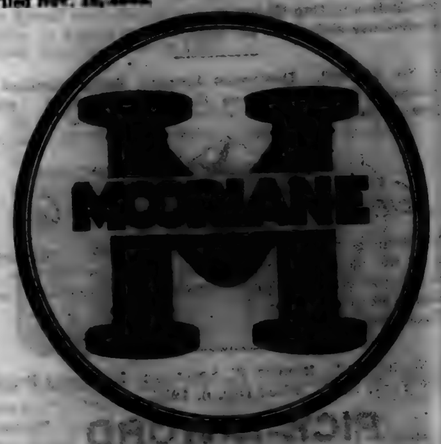
For Films for Theatrical Use.
Claims use since Nov. 21, 1932.

Ser. No. 369,607. SKIPPY INCORPORATED, McLean, Va. Filed Sept. 24, 1935.

"SKIPPY"

For Spectacles, Eyeglasses, and Parts Thereof, Ophthalmic Mountings and Parts Thereof.
Claims use since Aug. 2, 1935.

Ser. No. 371,782. MOORMAN COMPANY, Toledo, Ohio. Filed Nov. 18, 1935.



For Fit Gauges and Pressure Gauges.
Claims use since Oct. 30, 1935.

CLASS 31

Filters and Refrigerators

Ser. No. 371,393. FEDDERS MANUFACTURING COMPANY, INC., Buffalo, N. Y. Filed Nov. 5, 1935.

FED-R-FIN

No claim is made to the word "Fin" apart from the mark.
For Heat Exchange Coils for Refrigerating Systems.
Claims use since Feb. 25, 1935.

Ser. No. 372,445. TENNESSEE FURNITURE CORPORATION, Chattanooga, Tenn. Filed Dec. 4, 1935.



The words "Air Conditioned" are claimed only as shown.
For Refrigerators.
Claims use since Nov. 1, 1935.

CLASS 32

Furniture and Upholstery

Ser. No. 371,956. J. MICHAELS, INC., Brooklyn, N. Y. Filed Nov. 8, 1935.

J. MICHAELS, Inc.
"FRIEND OF THE PEOPLE"

For Household Articles—Namely, Bedsteads, Bureaus, Dressers, Chairs, Sofas, Lounges, Sideboards, and Framed Mirrors.
Claims use since 1905.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 364,703. BELL & GOSSETT COMPANY, Chicago, Ill. Filed May 9, 1935.

TRIPLE DUTY SYSTEM

No claim is made to the word "System" apart from the mark.
For Water Heaters and Building Heating Systems and Parts Thereof.
Claims use since Sept. 6, 1932.

Ser. No. 372,251. MORSE WHEEL CORPORATION, Lansing, Mich. Filed Dec. 4, 1935.

The Emancipator

For Oil Burners.
Claims use since Oct. 15, 1935.

CLASS 35

Belting, Hose, Machinery Packing, and Non-Metallic Tires

Ser. No. 361,261. LUBRICATION PRODUCTS COMPANY, Burgettstown, Pa. Filed Feb. 12, 1935.



The representation of the goods is disclaimed apart from the mark.
For Preformed Lubricating Devices Having Means for Wiping Lubricant on Moving Parts.
Claims use since Aug. 27, 1934.

CLASS 36

Musical Instruments and Supplies

Ser. No. 366,067. JOHNSON STEEL & WIRE COMPANY, INC., Worcester, Mass. Filed Sept. 6, 1935.



For Wire for Musical Instruments.
Claims use since Aug. 15, 1933.

CLASS 38

Prints and Publications

Ser. No. 359,041. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Dec. 7, 1934.

JIMMY AND THE TIGER

For Newspaper Cartoons.
Claims use since Nov. 12, 1934.

Ser. No. 360,624. THE NEW YORK MARINE NEWS CO., INC., New York, N. Y. Filed Sept. 23, 1935.



For Magazine, Published Every Month.
Claims use since June 16, 1914.

Ser. No. 370,670. PUBLIC LEDGER, INC., Philadelphia, Pa. Filed Oct. 22, 1935.

Card Games by Ace King

For Newspaper Syndicated Feature Column.
Claims use since Oct. 1, 1935.

Ser. No. 371,150. GENERAL HOUSES, INC., Chicago, Ill. Filed Nov. 4, 1935.

For Building Plans, Building Specifications, and Pamphlets Issued from Time to Time.
Claims use since Oct. 15, 1935.

Ser. No. 371,615. THE C. H. YOUNG PUBLISHING CO., INC., New York, N. Y. Filed Nov. 15, 1935.

YELLOW BOOK

For Periodical.
Claims use since 1910.

CLASS 39

Clothing

Ser. No. 367,968. ELG AND LOVENDAHL, Milwaukee, Wis. Filed Nov. 6, 1934.

UNI BRAND SHOES

The words "Brand" and "Shoes" are disclaimed apart from the mark.
For Shoes, Slippers, and Sandals, Made of Leather, Rubber, Fabric, or of a Combination of These Materials.
Claims use since Apr. 4, 1934.

Ser. No. 369,865. JOSEPH MAY & SONS (LEEDS) LIMITED, Leeds, England. Filed Sept. 30, 1935.

Maenson

For Articles of Clothing—Namely, Men's and Boys' Suits, Overcoats, Top Coats, Lounge Suits, Dress Clothes, Sports Jackets, Plus-four Knickers, Trousers, Riding and Cycling Breeches, Blazers, Shorts for Walking and Playing Games, and Liveries.
Claims use since December, 1919.

Ser. No. 370,100. WILLIAM ATKIN COMPANY, INC., New York, N. Y. Filed Oct. 9, 1935.

Dukent

For Men's and Boys' Dress, Negligee, and Work Shirts; Men's and Boys' Pajamas.
Claims use since Sept. 1, 1935.

Ser. No. 370,236. CAT'S PAW RUBBER COMPANY, INC., Baltimore, Md. Filed Oct. 14, 1935.

CAT'S PAW

For Rubber Heels and Soles and Shoe Tops.
Claims use since Dec. 9, 1926.

Ser. No. 370,818. JO BETH MILLINERY, INC., New York, N. Y. Filed Oct. 14, 1935.

SUFFOLK DOWNS

For Ladies' Hats.
Claims use since July 1, 1935.

Ser. No. 370,538. IRA G. [illegible], New York, N. Y. Filed Oct. 17, 1935.

SNO-TOGS

The term "Sno-Togs" is disclaimed apart from the mark.
For Children's Outer Garments for Winter Wear and Made of Knitted or Woven Relatively Heavy Fabrics, the Garments Being Made of One Piece or Two Piece Models Extending from the Ankles to the Neck and from the Neck to the Wrists and Adapted to be Worn Over the Usual Garments Worn by a Child.
Claims use since Aug. 1, 1931.

Ser. No. 370,661. W. R. Case Co., Rochester, N. Y. Filed Oct. 21, 1935.

FREE TREAD

The word "Tread" is disclaimed apart from the mark.
For Shoes Made of a Combination of Leather and Fabric.
Claims use since Apr. 26, 1934.

Ser. No. 370,701. EAGLE BOOT SHOE CORP., New York, N. Y. Filed Oct. 23, 1935.

SPECIAL AGENT

For Boys' Suits, Knickers, Knickpants, Raincoats, Sweaters, Leather Gloves, Polo Shirts, and Slacks.
Claims use since Oct. 1, 1935.

Ser. No. 370,769. KABOESEN & SONS CIGAR CO., INC., Kansas City, Mo. Filed Oct. 24, 1935.

LaVerne COATS AND SUITS

The words "Coats and Suits" are disclaimed.
For Women's Coats and Women's Suits.
Claims use since Dec. 22, 1932.

Ser. No. 370,773. THE NESLEY COMPANY, Columbus, Ohio. Filed Oct. 24, 1935.

FLEXRAY

For Shoes Made of Leather, Fabric, or Rubber, or Combinations of Such Materials.
Claims use since Aug. 20, 1935.

Ser. No. 370,849. GOODALL WORSTED CO., Sanford, Maine. Filed Oct. 28, 1935.

Goodall-Sanford

For Men's and Boys' Outer Wearing Apparel, Consisting of Coats, Pants, Knickerbockers, and Vests, Topcoats, Overcoats; Men's and Boys' Outer Wearing Shirts; Men's and Boys' Neckties; Men's and Boys' Hats and Caps, Suspenders, Belts, and Shoes made of Fabric; Ladies' Suits Consisting of Coats and Skirts; Ladies' Topcoats, Riding Habits, Dresses, and Hats.
Claims use since July 1, 1933.

Ser. No. 370,860. AULT-WILLIAMSON SHOE CO., Auburn, Maine. Filed Oct. 28, 1935.

AIR-POISE

For Leather Shoes, Fabric Shoes, and Shoes of Leather and Fabric.
Claims use since Oct. 15, 1935.

Ser. No. 370,861. AULT-WILLIAMSON SHOE CO., Auburn, Maine. Filed Oct. 28, 1935.

BALTRED

For Leather Shoes, Fabric Shoes, and Shoes of Leather and Fabric.
Claims use since Oct. 15, 1935.

Ser. No. 371,101. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Nov. 2, 1935.

THEY'RE "THE TOPS" IN SOCKS

No claim is made for the word "Socks" apart from the mark.
For Hosiery.
Claims use since Oct. 28, 1935.

Ser. No. 371,104. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed Nov. 2, 1935.

CLOTHCRAFT

Applicant owns registrations number 38,108, number 206,067, and number 267,300. The word "Standard" is disclaimed apart from the mark.

For Women's Outer Clothing—Namely, Dresses, Suits, Coats, Blouses, Sweaters, Jackets.

Claims use since Sept. 14, 1935.

Ser. No. 371,116. ROSEMAN BROS., INC., Philadelphia, Pa. Filed Nov. 2, 1935.

Teen Style

The word "Style" is disclaimed apart from the mark.

For Young Girl's Dresses.

Claims use since Oct. 29, 1935.

Ser. No. 371,169. KALLMAN & MORRIS, INC., New York, N. Y. Filed Nov. 4, 1935.

KALMOUR

For Women's and Misses' Outer Garments—Namely, Wraps, Dresses, Gowns, Coats, Suits, Jackets, Vestees, Blouses, Skirts.

Claims use since Oct. 26, 1935.

Ser. No. 371,178. I. SCHNEIDERMAN & SONS, INC., New York, N. Y. Filed Nov. 4, 1935.

Loom Sheen

The word "Sheen" is disclaimed apart from the mark.

For Ladies' Chemises, Princess Slips, Bloomers, Step-Ins, and Nightgowns of a Textile Fabric.

Claims use since Sept. 11, 1935.

Ser. No. 371,278. LOUIS WALLMAN & CO. INC., Kansas City, Mo. Filed Nov. 6, 1935.

Leco Betty Jean

For Ladies' Cloaks and Suits.

Claims use since May 28, 1935.

Ser. No. 371,492. I. G. ISAACS & COMPANY INC., Baltimore, Md. Filed Nov. 11, 1935.

BRONCHO MODEL

The word "Model" is disclaimed apart from the mark.

For Riding Breeches, Jodhpurs, and Riding Coats and Vests for Men, Women, and Children.

Claims use since Sept. 1, 1934.

Ser. No. 371,451. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Nov. 12, 1935.

SANIBESTOS

For Shoe Soles Made of Rubber and Fiber.

Claims use since Oct. 28, 1935.

Ser. No. 371,469. INTERNATIONAL DRESS CO., INC., New York, N. Y. Filed Nov. 14, 1935.

ACCESSORY DRESS

No claim is made to the word "Dress" apart from the mark.

For Girls', Ladies', and Misses' Dresses.

Claims use since Oct. 25, 1935.

Ser. No. 371,570. LOUIS-BERKINS & CO. INC., New York, N. Y. Filed Nov. 18, 1935.

POLO SET

For Men's Dress, Negligee, and Work Shirts and Boys' Shirts.

Claims use since Aug. 20, 1935.

Ser. No. 371,761. SHEPPE MANUFACTURING COMPANY, Winder, Ga. Filed Nov. 20, 1935.

RAWHIDE

Applicant is the owner of registrations No. 120,641 and No. 304,251.

For Pants, Overalls, Work Shirts, Men's and Boys' Coats, and Play Suits.

Claims use since Oct. 4, 1917.

Ser. No. 371,762. SHEPPE MANUFACTURING COMPANY, Winder, Ga. Filed Nov. 20, 1935.



For Pants, Overalls, Work Shirts, Men's and Boys' Coats, and Play Suits.

Claims use since Oct. 4, 1917.

Ser. No. 371,525. PHILLIPS-SIMMS CORPORATION, New York, N. Y. Filed Nov. 21, 1935.

Richclad

For Men's and Boys' Negligee Shirts.

Claims use since May 13, 1935.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 366,691. AMERICAN-LOUDON SERVICING CORP., New York, N. Y. Filed June 26, 1935.

GUARANTEED NATURAL AMCORIZED SHRUNK & FINISHED

The words "Guaranteed Natural" and "Shrunk & Finished" are disclaimed apart from the mark.

For Piece Goods Made from Cotton, Wool, Silk, and Combinations Thereof.

Claims use since Feb. 15, 1934.

Ser. No. 370,393. WOLLSCHLAGER & CO., New York, N. Y. Filed Oct. 19, 1935.

Super Du-Bonnet

The word "Du-Bonnet" is disclaimed apart from the mark.

For Silk Goods in the Piece.

Claims use since Oct. 11, 1935.

Ser. No. 371,025. CORDAGE & ARMOR CORPORATION, Philadelphia, Pa., and New York, N. Y. Filed Nov. 1, 1935.

LOCK-TITE

For Pile Fabrics in the Piece.

Claims use since Sept. 11, 1935.

CLASS 43

Thread and Yarn

Ser. No. 354,630. NORTH AMERICAN RAYON CORPORATION, New York, N. Y. Filed Aug. 2, 1934.

NORTH AMERICAN RAYON CORPORATION

For Filaments Prepared from Cellulosic Solutions.

Claims use since July 28, 1934.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 372,062. N. V. KONINKLIJKE PHARMACEUTISCHE FABRIEKEN V/H BRUGADES-STEENBRUGGEN & PHARMACIA, Meppel, Netherlands. Filed Nov. 27, 1935.

BROCAFIL

For Surgical Suture Materials.

Claims use since Aug. 22, 1935.

Ser. No. 372,066. THE SIMMONS COMPANY, INC., Brooklyn, N. Y. Filed Nov. 27, 1935.

ROBERTA

For Sanitary Napkins.

Claims use since May 21, 1935.

Ser. No. 372,071. YOUNGS RUBBER CORPORATION, INC., New York, N. Y. Filed Nov. 27, 1935.

AUTOMATIC

For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.

Claims use since Nov. 20, 1935.

Ser. No. 372,265. HELP FEET, INC., Cleveland, Ohio. Filed Dec. 7, 1935.

HELP FEET

For Foot Appliances.

Claims use since Nov. 20, 1935.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 369,797. BRUCE MCCOLLUM, doing business as Beverage Factors, Ltd., Oakland, Calif. Filed Sept. 27, 1935.



No claim is made to the words "Singapore Sling Mix" apart from the mark.

For Nonalcoholic Maltless Beverages Sold as Soft Drinks and as Mixers, and Syrup Concentrates for Making the Same.

Claims use since May 15, 1935.

Ser. No. 372,038. ANDREAS SAXLEHNER, Budapest, Hungary. Filed Nov. 26, 1935.



The portrait is that of the historic Hungarian national hero Hunyadi Janos.

For Natural Mineral Waters.

Claims use since Apr. 14, 1877.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 364,992. ANANT M. GURJAR, doing business as Java-India Condiment Company, New York, N. Y. Filed May 16, 1935.

JAVIN

For Spice and Condiment Products—Namely, Mustard and Curry Powder.

Claims use since Jan. 20, 1934.

Ser. No. 365,536. NORMAN L. WAGONER, Inc., San Francisco, Calif. Filed May 28, 1935.

NORLEE

For Canned Fruits and Vegetables.

Claims use since Mar. 21, 1935.

Ser. No. 366,297. TREESWEET PRODUCTS CO., Los Angeles, Calif. Filed June 17, 1935.



For Canned Citrus Fruit Juices for Food Purposes.

Claims use since July 27, 1933.

Ser. No. 367,720. PUGET ISLAND PACKING COMPANY, Seattle, Wash. Filed July 26, 1935.



Applicant is the owner of trademark registration No. 230,123.

For Canned Salmon.

Claims use since June 23, 1902.

Ser. No. 368,011. HOWARD L. TERRY, doing business as Interstate Supply Service, Minneapolis, Minn. Filed Aug. 5, 1935.

STATE
INTER

For Salted Nuts, Potato Chips, Buttered Popcorn.

Claims use since June 1, 1931.

Ser. No. 369,043. GENESEE MILLING COMPANY, Geneseo, N. Y. Filed Sept. 24, 1935.



The words "Best" and "Spring" are disclaimed apart from the mark.

For Patent Wheat Flour.

Claims use since July 25, 1935.

Ser. No. 369,906. GRAIN PRODUCTS CORPORATION, New York, N. Y. Filed Sept. 28, 1935.



No claim is made to the representation of the bag or to the words "Brand" and "Pilsen Malt" apart from the mark.

For Brewer's Malt.

Claims use since Apr. 15, 1934.

Ser. No. 370,006. BENJAMIN MATH, New York, N. Y. Filed Oct. 4, 1935.



The portrait is fanciful.

For Olive Oil.

Claims use since July 18, 1932.

Ser. No. 371,195. AMERITA GROCERS ASSOCIATION, Inc., New York, N. Y. Filed Nov. 5, 1935.

AMERITA
BRAND



The words "Brand", "Stores", and "Individually Owned" are disclaimed apart from the mark.

For Canned Tuna Fish, Spaghetti, Canned Baked Beans, Canned Pealed Tomatoes, and Olive Oil.

Claims use since Oct. 31, 1935.

Ser. No. 371,351. RALPH A. LOPEZ, New York, N. Y. Filed Nov. 8, 1935.



The portrait is fanciful.

For Cheese.

Claims use since Oct. 14, 1935.

Ser. No. 371,450. JACOB SINGER, doing business as Aromatic Flavor Company, Detroit, Mich. Filed Nov. 11, 1935.



For Flavoring Extracts Used for Food Flavoring Purposes.

Claims use since Nov. 1, 1935.

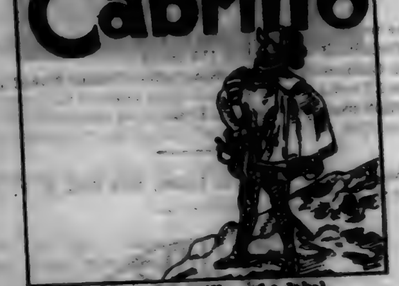
Ser. No. 371,465. Bowman Packing Co., Ltd., San Francisco, Calif. Filed Nov. 11, 1935.

Tops

For Canned Alimentary Paste Products.
Claims use since Oct. 16, 1935.

Ser. No. 371,473. Fullerton Orange Growers Ass'n., Fullerton, Calif. Filed Nov. 12, 1935.

Cabrillo



No claim is made to the outline of a label.
For Fresh Citrus Fruit.
Claims use since Oct. 26, 1935.

Ser. No. 371,478. Scurr & Bonnar, Inc., Anaheim, Calif. Filed Nov. 12, 1935.

BARONY

For Fresh Citrus Fruits.
Claims use since Sept. 5, 1935.

Ser. No. 371,554. Pfeiffer-Patent Corporation, Peoria Heights, Ill. Filed Nov. 14, 1935.

FERMENTASE

For Malt Extract in Syrup Form.
Claims use since Oct. 16, 1934.

Ser. No. 371,555. Pfeiffer-Patent Corporation, Peoria Heights, Ill. Filed Nov. 14, 1935.

KETTOSE

For Malt Extract in Syrup Form.
Claims use since Oct. 16, 1934.

Ser. No. 371,556. Pfeiffer-Patent Corporation, Peoria Heights, Ill. Filed Nov. 14, 1935.

PREMOSE

For Malt Extract in Syrup Form.
Claims use since Feb. 21, 1935.

Ser. No. 371,618. L. Bennett & Sons, Merced, Calif. Filed Nov. 16, 1935.

TRY THIS

For Fresh Vegetables.
Claims use since May, 1935.

Ser. No. 371,632. International Feed Corporation, Tampa, Fla. Filed Nov. 16, 1935.

THOROBREDS

Applicant is the owner of prior registration No. 222,575.
For Citrus Fruits.
Claims use since 1915.

Ser. No. 371,650. Tri-County Cooperative Growers of Florida, Orlando, Fla. Filed Nov. 16, 1935.

SWISS BOY

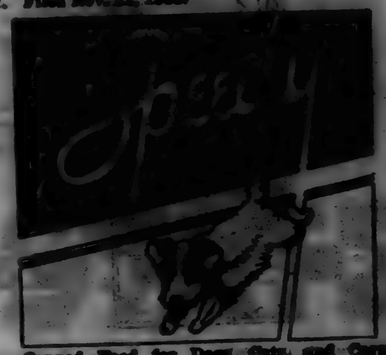
For Fresh Citrus Fruits.
Claims use since September, 1935.

Ser. No. 371,714. Fresno A. Swanson, Inc., Salinas, Calif. Filed Nov. 18, 1935.

KING PIN

For Fresh Vegetables.
Claims use since Nov. 4, 1935.

Ser. No. 371,845. Atlas Canning Company, Inc., doing business as Speedy Meat Co., Glendale, Long Island, N. Y. Filed Nov. 22, 1935.



For Canned Food for Dogs, Cats, and Carnivorous Animals.
Claims use since Oct. 1, 1935.

Ser. No. 371,822. Petra Baking Company, Incorporated, Olean, N. Y. Filed Nov. 23, 1935.

PETRA'S LAXO

For Bread.
Claims use since Feb. 21, 1935.

CLASS 47

Wines

Ser. No. 371,681. Cresta Blanca Wine Company, Livermore and San Francisco, Calif. Filed Nov. 18, 1935.

SOUVENIR

For Wines.
Claims use since Apr. 30, 1934.

CLASS 48

Malt Beverages and Liquors

Ser. No. 371,546. G. Krueger Brewing Company, Newark, N. J. Filed Nov. 14, 1935.



For Beer and Ale.
Claims use since Sept. 5, 1935.

Ser. No. 371,594. Chas. D. Kaier Co., Inc., Mahanoy City, Pa. Filed Nov. 14, 1935.



No claim is made to the words "Dublin Porter" apart from the mark. The drawing is lined for red, green, and silver.
For Porter.
Claims use since Nov. 1, 1935.

Ser. No. 372,216. El Dorado Brewing Company, Stockton, Calif. Filed Dec. 6, 1935.

London Tavern

For Beer, Ale, Porter, and Stout.
Claims use since Nov. 18, 1935.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 358,961. Gooderham & Worts Limited, Detroit, Mich. Filed Dec. 6, 1934.

G & W
FIVE STAR

For Whiskey.
Claims use since Jan. 31, 1934.

Ser. No. 367,482. Albert Bocuse, Courtenay, France. Filed Aug. 4, 1935.



All wording except "Diable Rouge" is disclaimed apart from the mark.
For Alcoholic Bitters, Cocktails, and Cordials.
Claims use since December, 1933.

Ser. No. 371,682. Cresta Blanca Wine Company, Livermore and San Francisco, Calif. Filed Nov. 18, 1935.

SOUVENIR

For Brandy.
Claims use since 1933.

Ser. No. 372,207. PENNSYLVANIA ALCOHOL CORPORATION, Philadelphia, Pa. Filed Dec. 2, 1935.



For Rum.
Claims use since Nov. 7, 1933.

Ser. No. 372,266. CAHN, BELT & Co., Baltimore, Md. Filed Dec. 4, 1935. Under section 5b of the act of 1905 as amended in 1920.

MARYLAND CLUB

For Rye Whiskey.
Claims use since 1870.

Ser. No. 372,324. KENTUCKY VALLEY DISTILLING COMPANY, Louisville, Ky. Filed Dec. 6, 1935.

KENTUCKY VALLEY

For Whiskey.
Claims use since Dec. 3, 1935.

Ser. No. 372,391. CENTURY DISTILLING CO., Peoria, Ill. Filed Dec. 9, 1935.



For Gin.
Claims use since Feb. 5, 1934.

Ser. No. 372,392. CENTURY DISTILLING CO., Peoria, Ill. Filed Dec. 9, 1935.



For Whiskey.
Claims use since Apr. 23, 1934.

Ser. No. 372,410. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky. Filed Dec. 9, 1935. Under section 5b of the act of 1905 as amended in 1920.

MEADVILLE

For Whiskey.
Claims use since 1837.

Ser. No. 372,520. LOS ANGELES BREWING CO., Los Angeles, Calif. Filed Dec. 11, 1935.

CRYSTAL LAKE

For Grain Alcohol.
Claims use since Oct. 26, 1931.

Ser. No. 372,521. LOS ANGELES BREWING CO., Los Angeles, Calif. Filed Dec. 11, 1935.

Kentucky TURNPIKE

For Whiskey.
Claims use since Nov. 12, 1935.

Ser. No. 372,591. EQUITABLE TRADING CORPORATION, New York, N. Y. Filed Dec. 13, 1935.

LA PETITE

For Brandy.
Claims use since June 20, 1935.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]
JANUARY 14, 1936

331,511. WEIGHING SCALES. THE EXACT WEIGHT SCALE COMPANY, Columbus, Ohio.
Filed September 11, 1935. Serial No. 369,126. PUBLISHED NOVEMBER 5, 1935. Class 23.

331,512. WOOLEN PIECE GOODS. SCHUMANN & ARMITAGE, New York, N. Y.
Filed September 16, 1935. Serial No. 369,160. PUBLISHED NOVEMBER 5, 1935. Class 42.

331,513. WATER HEATER IN WHICH SOLID FUEL IS USED. GEORGE R. SPARKENBAUGH, Newark, N. J.
Filed September 5, 1935. Serial No. 368,142. PUBLISHED NOVEMBER 5, 1935. Class 34.

331,514. LIQUID PHARMACEUTICAL PREPARATION—NAMELY, A COMPOSITION OF FRESH BEEF HEMOGLOBIN WITH LIVER EXTRACT, WITH THE ADDITION OF ORGANIC GLYCEROPHOSPHATES. THE G. F. HEUBEL COMPANY, Saratoga Springs, N. Y.
Filed September 9, 1935. Serial No. 369,150. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,515. INSECTICIDES, FLY SPRAY, AND STOCK DIP. SOUTHERN INDEPENDENT OIL AND REFINING COMPANY, INC., Evansville, Ind.
Filed September 7, 1935. Serial No. 369,111. PUBLISHED OCTOBER 29, 1935. Class 6.

331,516. OVERALLS. THE N & W OVERALL COMPANY, INC., Lynchburg, Va.
Filed September 7, 1935. Serial No. 369,092. PUBLISHED NOVEMBER 5, 1935. Class 39.

331,517. BREAD. PEOPLES BAKING CO., Orangeburg, S. C.
Filed September 6, 1935. Serial No. 369,086. PUBLISHED NOVEMBER 5, 1935. Class 46.

331,518. WOOLEN PIECE GOODS. SCHUMANN & ARMITAGE, New York, N. Y.
Filed September 6, 1935. Serial No. 369,085. PUBLISHED NOVEMBER 5, 1935. Class 42.

331,519. MOTH PROOFING COMPOUND. MERCK & CO. INC., Rahway, N. J.
Filed September 6, 1935. Serial No. 369,061. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,520. FILM FABRICS IN THE PIECE. DUPLAN SILK CORPORATION, New York, N. Y.
Filed September 6, 1935. Serial No. 369,049. PUBLISHED OCTOBER 29, 1935. Class 42.

331,521. WORSTED KNITTING YARNS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed September 6, 1935. Serial No. 369,044. PUBLISHED OCTOBER 29, 1935. Class 42.

331,522. DICHLOROTETRAFLUOROETHANE, BEING FLUORINATED HYDROCARBONS USED AS REFRIGERANTS, PROPELLANTS, AND FIRE EXTINGUISHING PREPARATIONS. KINETIC CHEMICALS, INC., Wilmington, Del.
Filed September 5, 1935. Serial No. 369,022. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,523. TRICHLOROTRIFLUOROETHANE BEING FLUORINATED HYDROCARBONS USED AS REFRIGERANTS, PROPELLANTS, AND FIRE EXTINGUISHING PREPARATIONS. KINETIC CHEMICALS, INC., Wilmington, Del.
Filed September 5, 1935. Serial No. 369,023. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,524. DICHLOROMONOFLUOROMETHANE BEING FLUORINATED HYDROCARBONS USED AS REFRIGERANTS, PROPELLANTS, AND FIRE EXTINGUISHING PREPARATIONS. KINETIC CHEMICALS, INC., Wilmington, Del.
Filed September 5, 1935. Serial No. 369,021. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,525. DICHLORODIFLUOROMETHANE, BEING FLUORINATED HYDROCARBONS USED AS REFRIGERANTS, PROPELLANTS, AND FIRE EXTINGUISHING PREPARATIONS. KINETIC CHEMICALS, INC., Wilmington, Del.
Filed September 5, 1935. Serial No. 369,020. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,526. TRICHLOROMONOFLUOROMETHANE, BEING FLUORINATED HYDROCARBONS USED AS REFRIGERANTS, PROPELLANTS, AND FIRE EXTINGUISHING PREPARATIONS. KINETIC CHEMICALS, INC., Wilmington, Del.
Filed September 5, 1935. Serial No. 369,019. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,527. DICHLOROTETRAFLUOROETHANE, BEING FLUORINATED HYDROCARBONS USED AS REFRIGERANTS, PROPELLANTS, AND FIRE EXTINGUISHING PREPARATIONS. KINETIC CHEMICALS, INC., Wilmington, Del.
Filed September 5, 1935. Serial No. 369,018. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,528. TRICHLOROTRIFLUOROETHANE, BEING FLUORINATED HYDROCARBONS USED AS REFRIGERANTS, PROPELLANTS, AND FIRE EXTINGUISHING PREPARATIONS. KINETIC CHEMICALS, INC., Wilmington, Del.
Filed September 5, 1935. Serial No. 369,017. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,529. DICHLOROMONOFLUOROMETHANE, BEING FLUORINATED HYDROCARBONS USED AS REFRIGERANTS, PROPELLANTS, AND FIRE EXTINGUISHING PREPARATIONS. KINETIC CHEMICALS, INC., Wilmington, Del.
Filed September 5, 1935. Serial No. 369,016. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,530. DICHLORODIFLUOROMETHANE, BEING FLUORINATED HYDROCARBONS USED AS REFRIGERANTS, PROPELLANTS, AND FIRE EXTINGUISHING PREPARATIONS. KINETIC CHEMICALS, INC., Wilmington, Del.
Filed September 5, 1935. Serial No. 369,015. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,531. NOODLES. JENNIE K. KANE, doing business as Oriental Cafe, Omaha, Nebr.
Filed August 6, 1935. Serial No. 363,039. PUBLISHED NOVEMBER 5, 1935. Class 46.

331,532. POTATOES IN SACKS AND BAGS. LOUISE M. OTTO, doing business as A. J. Otto, Traverse City, Mich.
Filed July 29, 1935. Serial No. 367,801. PUBLISHED NOVEMBER 5, 1935. Class 46.

331,533. FLEA POWDER. POLK MILLER PRODUCTS CORPORATION, Richmond, Va.
Filed August 26, 1935. Serial No. 368,706. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,534. WHISKEY. GENERAL LIQUORS, INCORPORATED, Louisville, Ky.
Filed September 4, 1935. Serial No. 368,930. PUBLISHED NOVEMBER 5, 1935. Class 49.

331,535. TOILET CREAMS. DORCHEST & RAMSDELL, New York, N. Y.
Filed September 4, 1935. Serial No. 368,378. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,536. LICORICE FOR USE AS A FLAVORING, PRIMARILY IN TOBACCO, CANDY AND DRUGS. THE TANNIN CORPORATION, New York, N. Y.
Filed August 31, 1935. Serial No. 368,969. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,537. LICORICE FOR USE AS A FLAVORING, PRIMARILY IN TOBACCO, CANDY, AND DRUGS. THE TANNIN CORPORATION, New York, N. Y.
Filed August 31, 1935. Serial No. 368,962. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,538. CRACKERS. RALPH RAULS, doing business as Sunland Biscuit Co., Los Angeles, Calif.
Filed September 3, 1935. Serial No. 368,961. PUBLISHED NOVEMBER 5, 1935. Class 46.

331,539. HOSIERY. MCCRARY HOSIERY MILLS, INC., Asheboro, N. C.
Filed September 3, 1935. Serial No. 368,949. PUBLISHED OCTOBER 29, 1935. Class 39.

331,540. INFANTS' AND CHILDREN'S DRESSES. FISCHER MANUFACTURING COMPANY OF WILKES-BARRE, Pa., Wilkes-Barre, Pa.
Filed August 31, 1935. Serial No. 368,899. PUBLISHED NOVEMBER 5, 1935. Class 39.

331,541. HAIR LOTIONS. FORMOSA SPECIALTIES, INC., New York, N. Y.
Filed August 31, 1935. Serial No. 368,882. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,542. HAND AND HOUSEHOLD SOAP PASTE HAVING INCIDENTAL PROPERTIES AS A SKIN PROTECTING CREAM. THOMAS E. NEWMAN, doing business as Eastern Manufacturing Co., Baltimore, Md.
Filed August 31, 1935. Serial No. 368,896. PUBLISHED NOVEMBER 5, 1935. Class 4.

331,543. WINES. ROBERTSON BROS. & CO. LIMITED, London, England.
Filed August 30, 1935. Serial No. 368,806. PUBLISHED NOVEMBER 5, 1935. Class 47.

331,544. BODIES OF HEAT RESISTING HIGHLY REFRACTORY MATERIAL. QUIGLEY COMPANY, INC., New York, N. Y.
Filed August 30, 1935. Serial No. 368,894. PUBLISHED OCTOBER 22, 1935. Class 12.

331,545. MEN'S AND BOYS' SHIRTS—NAMELY, DRESS, NEGLIGEE AND WORK SHIRTS, AND COLLARS. HEATH-OWENSBURG, INC., New York, N. Y.
Filed August 30, 1935. Serial No. 368,880. PUBLISHED OCTOBER 29, 1935. Class 39.

331,546. ASTRINGENTS, ASTRINGENT CREATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, GREASELESS CREAMS, ETC. ALMAY PHARMACEUTICAL CORPORATION, New York, N. Y.
Filed August 30, 1935. Serial No. 368,834. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,547. TABLE BOARD GAME PLAYED WITH PIECES. GEORGE SAXMANN, Hendersonville, N. C.
Filed August 28, 1935. Serial No. 368,790. PUBLISHED NOVEMBER 5, 1935. Class 22.

331,548. CURTAINS. FREDERICK LOESER & CO., INC., Brooklyn, N. Y.
Filed August 28, 1935. Serial No. 368,778. PUBLISHED NOVEMBER 5, 1935. Class 42.

331,549. TEXTILE RUGS. ATHER BROS., New York, N. Y.
Filed August 28, 1935. Serial No. 368,770. PUBLISHED OCTOBER 29, 1935. Class 42.

331,550. TEXTILE RUGS. ATHER BROS., New York, N. Y.
Filed August 28, 1935. Serial No. 368,769. PUBLISHED OCTOBER 29, 1935. Class 42.

331,551. MEDICINAL PREPARATION FOR RHEUMATISM. JOSEPH WALKER ADAMS & SON, Los Angeles, Calif.
Filed August 9, 1935. Serial No. 367,939. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,552. BOYS', INFANTS', YOUNG MEN'S AND MEN'S SUITS, OVERCOATS, AND TOPCOATS (ALL OUTER GARMENTS). SCHWEGMANN BROS., New York, N. Y.
Filed August 6, 1935. Serial No. 368,114. PUBLISHED NOVEMBER 5, 1935. Class 39.

331,553. RAZORS. GILLETTE OUTLERY CO., INC., Olean, N. Y.
Filed August 7, 1935. Serial No. 368,026. PUBLISHED NOVEMBER 5, 1935. Class 28.

331,554. BLEACH, DISINFECTANT, DEODORANT AND CLEANSER. DIXIE TANNERIES CORPORATION, New Orleans, La., and Los Angeles, Calif.
Filed August 7, 1935. Serial No. 368,025. PUBLISHED OCTOBER 29, 1935. Class 6.

331,555. CANNED MEATS—NAMELY, BEEF. RICE PRODUCTS CORPORATION, doing business as Rice Foods Corporation, Rockford, Ill.
Filed July 15, 1935. Serial No. 367,819. PUBLISHED NOVEMBER 5, 1935. Class 46.

331,556. TEXTILE FABRICS MADE OF COTTON, SILK, AND ARTIFICIAL SILK AND MORE ESPECIALLY ADAPTED FOR CURTAINS AND SHADES, AND CURTAINS MADE THEREFROM. MOSSES CURTAIN CO. INC., Boston, Mass.
Filed July 16, 1935. Serial No. 367,982. PUBLISHED OCTOBER 15, 1935. Class 42.

331,557. AUTOMOBILE TIRES. AMERICAN AUTO SUPPLY CO. INC., Rochester, N. Y.
Filed February 26, 1935. Serial No. 362,194. PUBLISHED NOVEMBER 5, 1935. Class 63.

331,558. CHEMICAL PREPARATION ADAPTED TO BE APPLIED TO STEEL TO CLEAN THE SAME AND TO ACT THEREON TO IMPART RUST-INHIBITIVE PROPERTIES THERETO AND IN SOLDERING FLUX. INDUSTRIAL CHEMICAL PRODUCTS CO., Detroit, Mich.
Filed February 25, 1935. Serial No. 361,994. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,559. WIRE BRUSHES USED AS ATTACHMENTS FOR TIRE DRESSING MACHINERY. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed February 26, 1935. Serial No. 361,999. PUBLISHED NOVEMBER 5, 1935. Class 23.

331,560. FURNACE CHARGING FORKS, FURNACE UNLOADERS, GRAINING BOARDS AND MARBLE GRAINING COMBS FOR SIMULATING THE APPEARANCE OF MARBLE ON OTHER SURFACES. FERRO ENAMEL CORPORATION, Cleveland, Ohio.
Filed March 12, 1935. Serial No. 362,410. PUBLISHED NOVEMBER 5, 1935. Class 23.

331,561. COFFEE. HOUSTON, BAKER COMPANY, INC., New York, N. Y.
Filed March 12, 1935. Serial No. 362,466. PUBLISHED NOVEMBER 5, 1935. Class 46.

331,562. MILLED GRAIN PRODUCTS, PARTICULARLY MILLED WHEAT PRODUCTS HAVING A PORTION OF THE WHEAT REMOVED FOR USE IN BAKING AND COOKING. GENERAL MILLS, INC., Minneapolis, Minn.
Filed March 13, 1935. Serial No. 362,736. PUBLISHED NOVEMBER 5, 1935. Class 46.

331,563. LADIES' NECKWEAR AND RUFFLINGS MADE OF PERMANENT FINISH WASHABLE CHIFFON. LEVI, SIMSON & CO., New York, N. Y.
Filed March 26, 1935. Serial No. 363,196. PUBLISHED NOVEMBER 5, 1935. Class 39.

331,564. TOOTH PASTE; DENTIFRICES, FACE POWDER AND A PREPARATION USED AS A DIGESTIVE. IGNACIO LOPEZ Y CARRERA, Habana and Jovellanos, Cuba.
Filed March 26, 1935. Serial No. 363,201. PUBLISHED OCTOBER 29, 1935. Class 6.

331,565. MILLED GRAIN PRODUCTS, PARTICULARLY MILLED RYE PRODUCTS HAVING A PORTION OF THE RYE REMOVED FOR USE IN BAKING AND COOKING. GENERAL MILLS, INC., Minneapolis, Minn.
Filed March 27, 1935. Serial No. 363,605. PUBLISHED NOVEMBER 5, 1935. Class 46.

331,566. COTTON YARN. GARNER & BREWER, Springfield, Mass.
Filed April 20, 1935. Serial No. 364,387. PUBLISHED OCTOBER 29, 1935. Class 48.

331,567. INTERNAL COMBUSTION ENGINES CONSTRUCTED WITH HORIZONTAL CYLINDERS. THE WHITE MOTOR COMPANY, Cleveland, Ohio.
Filed May 11, 1935. Serial No. 364,942. PUBLISHED NOVEMBER 5, 1935. Class 23.

331,568. WOMEN'S DRESSES, COATS, SUITS, AND SKIRTS MADE OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. THE STROUSS-HIRSHBERG CO., Youngstown, Ohio.
Filed May 1, 1935. Serial No. 364,496. PUBLISHED JULY 23, 1935. Class 39.

331,569. MEATLESS BOUILLON, GARLIC SEASONING, ANTI-DIABETIC TEA, AND STRAWBERRY TEA. MODERN HEALTH PRODUCTS, Milwaukee, Wis.
Filed May 8, 1933. Serial No. 337,537. PUBLISHED NOVEMBER 5, 1935. Class 46.

331,570. WINES. JOHANNES A. PERMANEDER & Co., Hamburg, Germany.
Filed February 3, 1934. Serial No. 346,982. PUBLISHED NOVEMBER 5, 1935. Class 47.

331,571. WINES. HERMAN BROS. HORN & Co., San Francisco, Calif.
Filed March 7, 1934. Serial No. 349,276. PUBLISHED NOVEMBER 5, 1935. Class 47.

331,572. MATS MADE FROM RUBBER, LEATHER, OR A COMBINATION OF RUBBER OR LEATHER WITH CLOTH FABRIC. ALBERT T. BOULDIN, Jamestown, N. Y.
Filed April 12, 1934. Serial No. 349,896. PUBLISHED APRIL 9, 1935. Class 50.

331,573. VANE TYPE PUMPS, GEAR TYPE PUMPS, ROTARY TYPE PUMPS, HYDRAULIC PRESSES, MACHINE TOOLS AND PARTS THEREFOR—NAMELY, FEED MECHANISMS, TIME LAGS, RAPID TRAVERSE MECHANISMS, TRIP MECHANISMS, AND CONTROL MECHANISMS, HYDRAULIC HOISTING UNITS, BOOSTER TYPE STEERING MECHANISMS, AND HYDRAULIC TYPE STEERING MECHANISMS. VICKERS, INCORPORATED, Detroit, Mich.
Filed June 18, 1934. Serial No. 350,804. PUBLISHED NOVEMBER 5, 1935. Class 23.

331,574. PREPARED WAX FOR POLISHING AUTOMOBILES AND PAINTED, VARNISHED OR LACQUERED SURFACES. L. E. VAN ALLEN & COMPANY, Chicago, Ill.
Filed August 20, 1934. Serial No. 355,596. PUBLISHED NOVEMBER 5, 1935. Class 18.

331,575. ALES, BEERS, LAGERS, PORTERS, AND STOUTS OF NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. JOHN LABATT, LIMITED, London, Ontario, Canada.
Filed September 1, 1934. Serial No. 355,980. PUBLISHED OCTOBER 22, 1935. Class 45.

331,576. WHISKEY. WESTERN DISTILLERS CORPORATION, Los Angeles, Calif.
Filed September 10, 1934. Serial No. 356,918. PUBLISHED OCTOBER 15, 1935. Class 45.

331,577. CALKING COMPOUND, GLAZING COMPOUND, ROOFING COMPOUND, AND ROOFING CEMENT. MACKLANBURG-DUNCAN COMPANY, Oklahoma City, Okla.
Filed July 2, 1935. Serial No. 366,954. PUBLISHED OCTOBER 29, 1935. Class 13.

331,578. CALKING COMPOUND, GLAZING COMPOUND, ROOFING COMPOUND, AND ROOFING CEMENT. MACKLANBURG-DUNCAN COMPANY, Oklahoma City, Okla.
Filed July 2, 1935. Serial No. 366,955. PUBLISHED OCTOBER 29, 1935. Class 13.

331,579. INSECTICIDES. THE ROYCE CORPORATION, Nashville, Tenn.
Filed July 2, 1935. Serial No. 366,963. PUBLISHED OCTOBER 29, 1935. Class 6.

331,580. DENTAL CREAM AND DENTAL POWDER. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed August 9, 1935. Serial No. 368,130. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,581. HAIR DYE AND HAIR TONIC. TOK-DI PRODUCTS, INC., New York, N. Y.
Filed August 9, 1935. Serial No. 368,158. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,582. CLEANSING CREAMS, FACE POWDERS, FACE LOTIONS, COLD CREAMS, FACE CREAMS, FACIAL MASQUE, SKIN LOTION, SKIN ASTRINGENTS, STRAWBERRY MASQUE CREAM, WRINKLE PASTE. TATTON COMPANY, Kansas City, Mo.
Filed August 10, 1935. Serial No. 368,200. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,583. WATER COOLING RADIATORS. STAR RADIATOR MFG. COMPANY, Los Angeles, Calif.
Filed August 12, 1935. Serial No. 368,242. PUBLISHED NOVEMBER 5, 1935. Class 19.

331,584. VITAMINIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed August 13, 1935. Serial No. 368,273. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,585. SCALP COOLING APPLIANCES. HAROLD W. FERGUSON, doing business as Ultra-Matic Mfg. Co., Rochester, N. Y.
Filed August 15, 1935. Serial No. 368,331. PUBLISHED NOVEMBER 5, 1935. Class 44.

331,586. AQUEOUS DISPERSIONS USED IN CONJUNCTION WITH NATURAL AND ARTIFICIAL LATICES TO GIVE TO SUCH NATURAL AND ARTIFICIAL LATICES DESIRABLE PROPERTIES SUCH AS SMOOTHNESS AND FLEXIBILITY OF THE CURED PRODUCT, AS WELL AS DESIRABLE PROPERTIES OF MANIPULATION DURING PROCESSING. THE STAMFORD RUBBER SUPPLY COMPANY, Stamford, Conn.
Filed August 15, 1935. Serial No. 368,365. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,587. CHEMICAL PASTE FOR LIQUID LEVEL INDICATORS. CLARENCE L. RICKLEFS, doing business as The Petroleum Specialty Company, Los Angeles, Calif.
Filed August 16, 1935. Serial No. 368,383. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,588. BLEACH WATER, GERMICIDE, DEODORANT, WHICH IS ALSO USED AS A CLEANSER FOR CLEANING FLOORS, LINOLEUM, POTS AND PANS, SINKS, MARBLE, PORCELAIN, ENAMEL WARE, BATH TUBS, DRAINS, AND WINDOWS. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.
Filed August 17, 1935. Serial No. 368,396. PUBLISHED OCTOBER 29, 1935. Class 6.

331,589. SUITS, COATS, VESTS, PANTS, TOPCOATS, AND OVERCOATS FOR MEN. S. MARKANSKY AND SONS, INC., Philadelphia, Pa.
Filed August 17, 1935. Serial No. 368,418. PUBLISHED NOVEMBER 5, 1935. Class 39.

331,590. GENERAL TONIC. CENTRAL LABORATORIES, INC., St. Petersburg, Fla.
Filed August 19, 1935. Serial No. 368,442. PUBLISHED OCTOBER 29, 1935. Class 6.

331,591. PEDESTAL TABLES, CANDY CASES, ILLUMINATED DISPLAY CASES, SALES TABLES, SHELVING, AND COUNTERS. PURDY WOODEN CORPORATION, Cincinnati, Ohio.
Filed August 19, 1935. Serial No. 368,482. PUBLISHED NOVEMBER 5, 1935. Class 22.

331,592. MEN'S, WOMEN'S AND/OR CHILDREN'S CLOTHING—NAMELY, TOPCOATS AND OVERCOATS. S. WEIS & COMPANY, INC., Cleveland, Ohio.
Filed August 20, 1935. Serial No. 365,492. PUBLISHED NOVEMBER 5, 1935. Class 39.

331,593. YARNS FOR ART NEEDLEWORK. EBERHARD ULMANN CO. INC., New York, N. Y.
Filed August 21, 1935. Serial No. 365,510. PUBLISHED OCTOBER 29, 1935. Class 43.

331,594. ELASTIC YARN FORMED FROM ELASTIC MATERIAL SUCH AS RUBBER, RUBBER LATEX, AND THE LIKE, EITHER COVERED OR UNCOVERED. CAOUTCHOUC LABORATORIES, INC., New York, N. Y.
Filed August 21, 1935. Serial No. 365,517. PUBLISHED OCTOBER 15, 1935. Class 43.

331,595. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, REFRESHING CREAMS, ETC. THE LANDRY CO., INC., New York, N. Y.
Filed August 21, 1935. Serial No. 365,529. PUBLISHED OCTOBER 29, 1935. Class 6.

331,596. BOX STRAPPING. THE STANLEY WORKS, New Britain, Conn.
Filed August 21, 1935. Serial No. 365,540. PUBLISHED NOVEMBER 5, 1935. Class 13.

331,597. BOX STRAPPING. THE STANLEY WORKS, New Britain, Conn.
Filed August 21, 1935. Serial No. 365,543. PUBLISHED NOVEMBER 5, 1935. Class 13.

331,598. BRAKE TESTING MACHINES OR APPARATUS. THERMOID COMPANY, Trenton, N. J.
Filed August 21, 1935. Serial No. 365,548. PUBLISHED NOVEMBER 5, 1935. Class 26.

331,599. LADIES' KNITTED DRESSES AND SWEATERS. BURNEY EPSTEIN, INC., New York, N. Y.
Filed August 22, 1935. Serial No. 365,558. PUBLISHED OCTOBER 29, 1935. Class 39.

331,600. BUSHINGS, GEARS, PINIONS, PISTON PINS, PULLEYS, WATER PUMP PARTS (INCLUDING SHAFTS, WASHERS, PACKINGS, BEARINGS, BEARING SLEEVES), AXLE SHAFTS. ACME MACHINE PRODUCTS COMPANY, INC., Muncie, Ind.
Filed July 5, 1935. Serial No. 366,971. PUBLISHED NOVEMBER 5, 1935. Class 28.

331,601. LUBRICATING OIL. PARAGON OIL COMPANY, INC., Glendale, N. Y.
Filed July 6, 1935. Serial No. 367,036. PUBLISHED OCTOBER 22, 1935. Class 15.

331,602. WHISKEY AND OTHER DISTILLED ALCOHOLIC LIQUORS. STANDARD WINE & LIQUOR CO., INC., New York, N. Y.
Filed September 18, 1934. Serial No. 356,158. PUBLISHED NOVEMBER 5, 1935. Class 49.

331,603. WINES. ALEX D. SHAW & CO., INC., New York, N. Y.
Filed May 17, 1935. Serial No. 365,042. PUBLISHED NOVEMBER 5, 1935. Class 47.

331,604. WINES. ALEX D. SHAW & CO., INC., New York, N. Y.
Filed May 17, 1935. Serial No. 365,043. PUBLISHED NOVEMBER 5, 1935. Class 47.

331,605. HAIR RINSE. WILLIAM F. MYERS, INC., Boston, Mass.
Filed May 22, 1935. Serial No. 365,260. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,606. INSECTICIDES FOR POULTRY AND VETERINARY PURPOSES. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Louisville, Ky.
Filed May 28, 1935. Serial No. 365,535. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,607. BADMINTON SHUTTLECOCKS, NETS, AND RACKETS. BADMINTON MANUFACTURING COMPANY, LIMITED, Toronto, Ontario, Canada.
Filed June 3, 1935. Serial No. 365,717. PUBLISHED NOVEMBER 5, 1935. Class 22.

331,608. COAL, WOOD, COKE, OIL, AND GAS BURNING RANGES AND FURNACES, AND BOILERS EMPLOYING SIMILAR FUELS. ARMSTRONG STOVE AND MANUFACTURING COMPANY, Perryville, Md.
Filed June 15, 1935. Serial No. 366,222. PUBLISHED NOVEMBER 5, 1935. Class 34.

331,609. BIRD FOOD. HARTZ MOUNTAIN PRODUCTS INC., New York, N. Y.
Filed June 17, 1935. Serial No. 366,280. PUBLISHED NOVEMBER 5, 1935. Class 46.

331,610. CANNED FOOD FOR DOGS AND CATS AND OTHER CARNIVOROUS ANIMALS. BANNER WHOLESALE GROCERIES, INC., Chicago, Ill.
Filed June 20, 1935. Serial No. 366,394. PUBLISHED NOVEMBER 5, 1935. Class 46.

331,611. DECORATIVE AND NOVELTY LAMP SHADES MADE OF PAPER, PARCHMENT, FIBER, CELLULOSE, FABRIC, METAL, AND COMBINATION GLASS AND METAL. SAIL-ME COMPANY, Chicago, Ill.
Filed June 20, 1935. Serial No. 366,487. PUBLISHED NOVEMBER 5, 1935. Class 34.

331,612. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, ETC. MAISON JOUBERT, INC., New York, N. Y.
Filed June 21, 1935. Serial No. 366,490. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,613. HOSIERY. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed June 22, 1935. Serial No. 366,510. PUBLISHED NOVEMBER 5, 1935. Class 39.

331,614. HIGH EARLY STRENGTH PORTLAND CEMENT. MISSOURI PORTLAND CEMENT COMPANY, St. Louis, Mo.
Filed June 24, 1935. Serial No. 366,570. PUBLISHED OCTOBER 8, 1935. Class 12.

331,615. HIGH EARLY STRENGTH PORTLAND CEMENT. MISSOURI PORTLAND CEMENT COMPANY, St. Louis, Mo.
Filed June 24, 1935. Serial No. 366,572. PUBLISHED OCTOBER 29, 1935. Class 12.

331,616. KNITTED WOOLEN PIECE GOODS. CONTINENTAL MILLS, INC., Philadelphia, Pa.
Filed June 25, 1935. Serial No. 366,695. PUBLISHED OCTOBER 15, 1935. Class 42.

331,617. TEXTILE FABRICS KNOWN AS PILE FABRICS OF COTTON, WOOL, LINEN, RATON, MOHAIR, AND SILK, IN DIVERS PROPORTIONS AND ARE PIECE GOODS. INTERNATIONAL LOOMS, INC., New York, N. Y.
Filed June 25, 1935. Serial No. 366,697. PUBLISHED OCTOBER 22, 1935. Class 42.

331,618. FLUIDS FOR DUSTPROOFING COAL. P. W. MANUFACTURING COMPANY, INC., Milwaukee, Wis.
Filed July 1, 1935. Serial No. 366,872. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,619. VITAMIN CONTAINING FOOD SUPPLEMENT OR TONIC FOOD. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed July 1, 1935. Serial No. 366,900. PUBLISHED NOVEMBER 5, 1935. Class 46.

331,620. CORNETS WITH REGISTERS, BUGLES, MUSICAL TRUMPETS, BARITONE VIOLINS, ALTO, TENOR-VIOLINS, BASS VIOLINS, TUBAS, COUNTER-BASS, HELICONS, LOW BASSOPHONES, TROMBONES WITH SLIDES, ETC. SOCIETE ANONYME COUESNON, Paris, France.
Filed July 1, 1935. Serial No. 366,881. PUBLISHED NOVEMBER 5, 1935. Class 26.

331,621. TOOTH POWDER. IRA P. BASSHEAR, doing business as B. & B. Laboratories, Los Angeles, Calif.
Filed July 2, 1935. Serial No. 366,899. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,622. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, ETC. PERFUMERIA ST. DENIS, New York, N. Y.
Filed August 6, 1935. Serial No. 368,047. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,623. RADIO RECEIVING SETS AND PARTS. HOMER L. KITT CO., Washington, D. C.
Filed August 7, 1935. Serial No. 368,074. PUBLISHED NOVEMBER 5, 1935. Class 21.

331,624. LINIMENT FOR TREATING DOGS, HORSES, AND FOR HUMAN USE FOR SPRAINS, STRAINS, SORE MUSCLES, AND FOR TREATING COUGHS AND FEVERS; ETC. POLK MILLER PRODUCTS CORPORATION, Richmond, Va.
Filed August 26, 1935. Serial No. 368,707. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,625. COFFEE. ALBERT EHLERS, INC., Brooklyn, N. Y.
Filed August 27, 1935. Serial No. 368,742. PUBLISHED NOVEMBER 5, 1935. Class 46.

331,626. SPARK PLUGS. NOAH'S ARK AUTO ACCESSORIES, INC., Rochester, N. Y.
Filed August 27, 1935. Serial No. 368,762. PUBLISHED NOVEMBER 5, 1935. Class 21.

331,627. SOLUTIONS OF CALCIUM GLUCONATE, EITHER WITH OR WITHOUT DEXTROSE FOR VETERINARY USE. NORDEN LABORATORIES, Lincoln, Norfolk, and Grand Island, Nebr., and Sioux City, Iowa.
Filed August 27, 1935. Serial No. 368,784. PUBLISHED OCTOBER 29, 1935. Class 6.

331,628. HARVESTER REELS, SICKLE AND CUTTER BARS, AND PARTS THEREOF. HUME-LOVE COMPANY, Garfield, Wash.
Filed August 22, 1935. Serial No. 368,570. PUBLISHED NOVEMBER 5, 1935. Class 22.

331,629. RADIO BROADCAST RECEIVING SETS. FREED MANUFACTURING COMPANY, INC., New York, N. Y.
Filed August 22, 1935. Serial No. 368,610. PUBLISHED NOVEMBER 5, 1935. Class 21.

331,630. CARDS CONTAINING COMPLETE SETS OF TYPEWRITER KEY CHARACTERS. EDMUND M. GLUECK, doing business as Typewriter Equipment Company, New York, N. Y.
Filed August 23, 1935. Serial No. 368,612. PUBLISHED NOVEMBER 5, 1935. Class 23.

331,631. DOOR STEP AND STRINGERS. WILLIAM C. MEREDITH CO., INC., Atlanta, Ga., assignor to Reconstruction Finance Corporation, Washington, D. C.
Filed August 23, 1935. Serial No. 368,620. PUBLISHED OCTOBER 29, 1935. Class 12.

331,632. MANGE MEDICINE. POLK MILLER PRODUCTS CORPORATION, Richmond, Va.
Filed August 22, 1935. Serial No. 368,620. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,633. LADIES' SHIRTS. PHILIP GERIAN SONS, INC., New York, N. Y.
Filed August 24, 1935. Serial No. 368,669. PUBLISHED OCTOBER 29, 1935. Class 39.

331,634. THREAD AND YARN. HOOKER & SANDERS, INCORPORATED, New York, N. Y.
Filed August 24, 1935. Serial No. 368,686. PUBLISHED NOVEMBER 5, 1935. Class 48.

331,635. MEN'S, BOYS', AND YOUTHS' SUITS AND OVERCOATS. THE C. J. LANG CLOTHING COMPANY, Akron, Ohio.
Filed August 24, 1935. Serial No. 368,681. PUBLISHED OCTOBER 29, 1935. Class 39.

331,636. GIN, WHISKEY, AND BRANDY. BEAUMART, INC., Bridgeport, Conn.
Filed October 2, 1935. Serial No. 369,959. PUBLISHED NOVEMBER 5, 1935. Class 49.

331,637. FORTIFIED ASPIRIN COMPOUND. THE GENERAL PHARMACAL COMPANY, Cincinnati, Ohio.
Filed September 4, 1935. Serial No. 368,981. PUBLISHED OCTOBER 29, 1935. Class 6.

331,638. COTTON LUNCHEON SETS. E. B. MYERS CO. LTD., Los Angeles, Calif.
Filed September 4, 1935. Serial No. 368,985. PUBLISHED NOVEMBER 5, 1935. Class 42.

331,639. WOOLEN, WORSTED, ANGORA, COTTON, SILK, RAYON, YARN, AND MIXTURES THEREOF. STEINBERGER BROS. INC., New York, N. Y.
Filed September 4, 1935. Serial No. 368,994. PUBLISHED OCTOBER 29, 1935. Class 43.

331,640. RAZOR BLADES. RAYMOND BREWER, doing business as Better Products Company, Marion, Ind.
Filed August 26, 1935. Serial No. 368,680. PUBLISHED NOVEMBER 5, 1935. Class 23.

331,641. LINIMENT FOR TREATING DOGS, HORSES, AND FOR HUMAN USE FOR SPRAINS, STRAINS, SORE MUSCLES, AND FOR TREATING COUGHS, AND FEVERS, ETC. POLK MILLER PRODUCTS CORPORATION, Richmond, Va.
Filed August 26, 1935. Serial No. 368,705. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,642. ICE CREAM CONES AND FROZEN CONFECTIONS SOLD IN CUPS. HYDROX CORPORATION, Chicago, Ill.
Filed November 5, 1935. Serial No. 371,254. Class 46.

331,643. TRICHLOROMONOFLUOROMETHANE, BEING FLUORINATED HYDROCARBONS USED AS REFRIGERANTS, PROPELLANTS, AND FIRE EXTINGUISHING PREPARATIONS. KINETIC CHEMICALS, INC., Wilmington, Del.
Filed September 5, 1935. Serial No. 369,014. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,644. [WITHDRAWN.]

331,645. COLORED GLASS, COLORED PAINTS, AND COLORED LAMPS FOR THERAPEUTICAL PURPOSES. CLIFFORD M. LARSON, doing business as Larcliff Company, New Rochelle, N. Y.
Filed February 8, 1935. Serial No. 361,174. PUBLISHED NOVEMBER 5, 1935. Class 44.

331,646. HYGIENIC VAGINAL JELLY. JOSEPH C. SMITH, doing business as Cola-Gyn Laboratories, Kansas City, Kans.
Filed January 9, 1935. Serial No. 360,084. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,647. HERBAL, MEDICATED, AND CHEMICAL PREPARATIONS FOR THE SKIN, COMPLEXION, HAIR, AND FEET; HERBAL, FLORAL, VEGETABLE, AND BOTANICAL EXTRACTS FOR TOILET USE; ETC. RUDOLPH BLANK, doing business as Quality Merchandising Co., New York, N. Y.
Filed December 31, 1934. Serial No. 359,774. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,648. WHISKEY. ALBERTO PETERS, HILDA ANA PETERS DE UMBERT, AND EDMUNDO UMBERT, PROXY OF CLARA ENRIQUETA SCHNEIDEWIND DE PETERS, CARLOS ALBERTO PETERS, AND MARIA LUISA ERICA PETERS, Buenos Aires, Argentina.
Filed December 3, 1934. Serial No. 359,101. PUBLISHED NOVEMBER 5, 1935. Class 49.

331,649. CANNED FRUITS AND VEGETABLES—NAMELY, SUCCOTASH, PEAS, AND BLACK RASPBERRIES. BROCTON PRESERVING COMPANY, INC., doing business as Fredonia Preserving Co., Brocton, N. Y.
Filed November 30, 1934. Serial No. 358,755. PUBLISHED MARCH 5, 1935. Class 46.

331,650. COTTON CHAMBRAYS, COTTON SHIRTINGS, COTTON BROADCLOTH, COTTON COVERTS, COTTON GINGHAMS, COTTON SUITINGS, COTTON DRESS GOODS AND PANTINGS MADE OF COTTON, AND COTTON AND WOOL MIXTURES. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va.
Filed November 13, 1934. Serial No. 358,153. PUBLISHED FEBRUARY 19, 1935. Class 42.

331,651. BILLIARD CHALK. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed October 2, 1935. Serial No. 369,945. PUBLISHED NOVEMBER 5, 1935. Class 22.

331,652. BEER. JACOB RUPPERT, New York, N. Y.
Filed October 2, 1935. Serial No. 369,930. PUBLISHED NOVEMBER 5, 1935. Class 48.

331,653. BEER. FRONTENIAC BREWING COMPANY, Huntington, W. Va.
Filed October 2, 1935. Serial No. 369,915. PUBLISHED NOVEMBER 5, 1935. Class 48.

331,654. GIN, WHISKEY, AND BRANDY. WALKER'S OF BOSTON, INC., Boston, Mass.
Filed September 30, 1935. Serial No. 369,869. PUBLISHED NOVEMBER 5, 1935. Class 49.

331,655. WHISKEY. MAISON BLANCHE COMPANY, New Orleans, La.
Filed September 27, 1935. Serial No. 369,838. PUBLISHED NOVEMBER 5, 1935. Class 49.

331,656. WHISKEY. PORTER-MORRON CO. INC., Jersey City, N. J.
Filed September 28, 1935. Serial No. 369,833. PUBLISHED NOVEMBER 5, 1935. Class 49.

331,657. WHISKEY AND GIN. PENNSYLVANIA WINE & LIQUOR SHOP, Inc., New York, N. Y.
Filed September 28, 1935. Serial No. 369,827. PUBLISHED NOVEMBER 5, 1935. Class 49.

331,658. WASHBOARDS. CAROLINA WASHBOARD COMPANY, Raleigh, N. C.
Filed September 28, 1935. Serial No. 369,803. PUBLISHED NOVEMBER 5, 1935. Class 24.

331,659. WHISKEY. BOHEMIAN DISTRIBUTING CO. LTD., Los Angeles, Calif.
Filed September 28, 1935. Serial No. 369,801. PUBLISHED NOVEMBER 5, 1935. Class 49.

331,660. WHISKEY. BOHEMIAN DISTRIBUTING CO. LTD., Los Angeles, Calif.
Filed September 28, 1935. Serial No. 369,800. PUBLISHED NOVEMBER 5, 1935. Class 49.

331,661. WHISKEY. BOHEMIAN DISTRIBUTING CO. LTD., Los Angeles, Calif.
Filed September 28, 1935. Serial No. 369,799. PUBLISHED NOVEMBER 5, 1935. Class 49.

331,662. WHISKEY. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn.
Filed September 27, 1935. Serial No. 369,778. PUBLISHED NOVEMBER 5, 1935. Class 49.

331,663. SHIPPING BOXES OF PASTEBOARD. SHAWMUT, INC., Lowell, Mass.
Filed September 25, 1935. Serial No. 369,718. PUBLISHED NOVEMBER 5, 1935. Class 2.

331,664. SURGEON'S OBSTETRICAL APPLIANCES. JOHN J. FREYMANN, Omaha, Nebr.
Filed July 19, 1935. Serial No. 367,404. PUBLISHED NOVEMBER 5, 1935. Class 44.

331,665. ELECTRICALLY OPERATED EXTERMINATOR FOR INSECTS. NATIONAL ELECTRIC SCREEN CO., Chicago, Ill.
Filed July 13, 1935. Serial No. 367,426. PUBLISHED NOVEMBER 5, 1935. Class 21.

331,666. WHISKEY. BOHEMIAN DISTRIBUTING CO. LTD., Los Angeles, Calif.
Filed September 28, 1935. Serial No. 369,802. PUBLISHED NOVEMBER 5, 1935. Class 49.

331,667. SEDATIVES, ANALGESICS, DIURETICS, STOMACHIC AND INTESTINAL TONICS, FOR RELIEVING RHEUMATISM, NEURITIS, BACKACHE, NERVOUS HEADACHE. THE MEYROSA CO., Cleveland, Ohio.
Filed September 24, 1935. Serial No. 369,690. PUBLISHED OCTOBER 29, 1935. Class 6.

331,668. UNSHELLED NUTS AND PRALINES. I. T. REESE AND POSEY B. REESE, New Orleans, La., and Pass Christian, Miss.
Filed September 23, 1935. Serial No. 369,623. PUBLISHED NOVEMBER 5, 1935. Class 46.

331,669. FURNITURE POLISH. ROBERT H. QUANTROCHE, doing business as Aurora Polish Co., Steubenville, Ohio.
Filed September 23, 1935. Serial No. 369,607. PUBLISHED NOVEMBER 5, 1935. Class 16.

331,670. PREPARATION TO PREVENT RUST AND CORROSION AND TO REMOVE SCALE FORMATION IN STEAM BOILERS. THE BIRD-ARCHER COMPANY, New York, N. Y.
Filed September 20, 1935. Serial No. 369,556. PUBLISHED NOVEMBER 5, 1935. Class 6.

331,671. PROTECTIVE PRIMING COAT MATERIAL FOR USE WITH PAINTS, LACQUERS, VARNISHES, AND THE LIKE. THE FLOOD COMPANY, Cleveland, Ohio.
Filed September 19, 1935. Serial No. 369,482. PUBLISHED NOVEMBER 5, 1935. Class 16.

331,672. TIRE VULCANIZING KIT (CONSISTING OF A ROLL OF GUM, ROUND PATCHES, OVAL PATCHES, AND A BUFFER), PLASTER TIRE PATCHES, AND TUBE REPAIR KIT (CONSISTING OF STRIP RUBBER, CUT PATCHES, AND RUBBER CEMENT), TIRE BOOTS, AND DROP CENTER RIM FLAPS. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed September 19, 1935. Serial No. 369,473. PUBLISHED NOVEMBER 5, 1935. Class 39.

331,673. SPECTACLES, EYE GLASSES, AND PARTS THEREOF, AND OPHTHALMIC LENSES AND BLANKS THEREFOR. THE NORMAN OPTICAL COMPANY, Southbridge, Mass.
Filed September 17, 1935. Serial No. 369,432. PUBLISHED NOVEMBER 5, 1935. Class 26.

331,674. RAW AND REFINED SUGAR. CALIFORNIA AND HAWAIIAN SUGAR REFINING CORPORATION, LIMITED, San Francisco, Calif.
Filed September 17, 1935. Serial No. 369,430. PUBLISHED NOVEMBER 5, 1935. Class 46.

331,675. ELECTRICAL CONDUCTORS. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed September 17, 1935. Serial No. 369,434. PUBLISHED NOVEMBER 5, 1935. Class 21.

331,676. PIANOS. CLARENCE F. BURT, New York, N. Y.
Filed September 17, 1935. Serial No. 369,396. PUBLISHED NOVEMBER 5, 1935. Class 36.

331,677. WATER COLOR PAINT. THE ACE COLOR CORPORATION, New York, N. Y.
Filed September 17, 1935. Serial No. 369,391. PUBLISHED NOVEMBER 5, 1935. Class 16.

331,678. YARN. CHARLES F. FISCHETTI, Rosedale, Long Island, N. Y.
Filed September 16, 1935. Serial No. 369,547. PUBLISHED OCTOBER 22, 1935. Class 42.

331,679. MERCHANDISE CONTAINERS MADE OF PASTEBOARD WITH TRANSPARENT CELLULOSE FACINGS. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio.
Filed September 14, 1935. Serial No. 369,231. PUBLISHED NOVEMBER 5, 1935. Class 2.

331,680. MERCHANDISE CONTAINERS MADE OF PASTEBOARD WITH TRANSPARENT CELLULOSE FACINGS. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio.
Filed September 14, 1935. Serial No. 369,210. PUBLISHED NOVEMBER 5, 1935. Class 2.

331,681. WOOLEN PIECE GOODS. SCHNEIDER & ARMITAGE, New York, N. Y.
Filed September 14, 1935. Serial No. 369,209. PUBLISHED NOVEMBER 5, 1935. Class 42.

331,682. CHEESE COVERED POPCORN. POP-CHEE, INC., New York, N. Y.
Filed September 14, 1935. Serial No. 369,206. PUBLISHED NOVEMBER 5, 1935. Class 46.

331,683. PERFUMES. JOHN FREDERICS PERFUMES CORPORATION, New York, N. Y.
Filed September 13, 1935. Serial No. 369,271. PUBLISHED OCTOBER 29, 1935. Class 6.

331,684. PERFUMES. JOHN FREDERICS PERFUMES CORPORATION, New York, N. Y.
Filed September 13, 1935. Serial No. 369,270. PUBLISHED OCTOBER 29, 1935. Class 6.

331,685. SYPHONS, AND GAS CONTAINERS FOR USE THEREON. WALTER KIDDE SALES COMPANY, Bloomfield, N. J.
Filed September 12, 1935. Serial No. 369,221. PUBLISHED NOVEMBER 5, 1935. Class 2.

331,686. WINES. GEO. G. SANDEMAN, SONS & CO. LIMITED, London, England.
Filed July 24, 1935. Serial No. 367,627. PUBLISHED NOVEMBER 5, 1935. Class 47.

331,687. FRESH VEGETABLES, CANTALOUPES, HONEYDEW MELONS, AND WATERMELONS. WALTER HEWT & SONS, INC., El Centro, Calif.
Filed July 22, 1935. Serial No. 367,587. PUBLISHED NOVEMBER 5, 1935. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b).]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

331,688. (CLASS 13. HARDWARE, PLUMBING, AND STEAM-FITTING SUPPLIES.) THE TORRINGTON & SEYMOUR MANUFACTURING COMPANY, Torrington, Conn.
Filed Dec. 5, 1935. Serial No. 372,232.

LEATHERLIKE

For Tacks and Nails.
Claims use since Feb. 11, 1907.

331,689. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARNEY-COD LABORATORIES, INC., New York, N. Y. Filed Oct. 31, 1935. Serial No. 371,612.

CANDY-COD

For Cod Liver Oil and Vitamins Thereof.
Claims use since September, 1934.

331,690. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH MARIS AND SAMUEL COLEN, Hempstead, N. Y. Filed Sept. 26, 1935. Serial No. 369,796.



For Jarred Sweet Pickles.
Claims use since June 6, 1934.

331,691. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM ALLISON DAVIS, doing business as W. A. Davis Milling Company, High Point, N. C. Filed Sept. 25, 1935. Serial No. 369,691.

CAROLINA'S BEST

For Cereal Products—Namely, Self-Rising Flour, Yellow Corn Meal, White Corn Meal, Stock and Poultry Feed—Namely, Scratch Feed for Poultry, Chick Starter, Laying Mash, Growing Mash, All Mash, Broiler Fattening Mash, Chick Grains, Whole Grains, Mixed Grains, Ground Grains and Cracked Grains.
Claims use since 1920.

462 O. G.—19

331,692. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) J. KING FOURNET, doing business as Forrest Sign Co., Kansas City, Mo. Filed Sept. 3, 1935. Serial No. 368,907.

Slatite BLACKBOARDS

For Blackboards.
Claims use since Aug. 13, 1934.

331,693. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) WALKER'S OF BOSTON, INC., Boston, Mass.
Filed Aug. 7, 1935. Serial No. 368,083.

KENSINGTON

For Gin, Whiskey, and Brandy.
Claims use since Dec. 5, 1934.

331,694. (CLASS 38. PRINTS AND PUBLICATIONS.) IRVING O. BLANKENBERG, Kankakee, Ill. Filed June 11, 1935. Serial No. 366,061.

Einbeck

KANKAKEE, ILL.

For Photographs.
Claims use since Apr. 1, 1932.

331,695. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CAMMEYER SHOE SHOPS, INC., New York, N. Y. Filed Apr. 18, 1935. Serial No. 363,311.

BRILLANT CHEVREAU

For Cream for Polishing Shoes.
Claims use since Mar. 15, 1912.

331,696. (CLASS 37. PAPER AND STATIONERY.) WHITE AND WICKOFF MFG. COMPANY, Holyoke, Mass. Filed Jan. 2, 1935. Serial No. 350,873.

RING-LOX

For Blank Books Having Permanently Bound Leaves.
Claims use since Nov. 17, 1934.

331,697. (CLASS 37. PAPER AND STATIONERY.) FREDERIC T. SHERWARD, Holyoke, Mass. Filed Dec. 5, 1934. Serial No. 352,212.

SHELBURNE

Claims use since Nov. 21, 1928.
For Writing Paper.

331,698. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) M. H. PRICE, Los Angeles, Calif. Filed Nov. 27, 1934. Serial No. 358,698.

SWISS CLUB

For Whiskey.
Claims use since Nov. 21, 1934.

331,699. (CLASS 28. MEASURING AND SCIENTIFIC APPLIANCES.) NEW JERSEY OPTICAL COMPANY, Newark, N. J. Filed Aug. 11, 1934. Serial No. 354,905.

NU-FIT

For Optical Frames and Mountings.
Claims use since July 17, 1933.

331,700. (CLASS 28. MEASURING AND SCIENTIFIC APPLIANCES.) NEW JERSEY OPTICAL COMPANY, Newark, N. J. Filed Aug. 11, 1934. Serial No. 354,904.

Nu-fit

For Optical Frames and Mountings.
Claims use since June 12, 1934.

LABELS

REGISTERED JANUARY 14, 1936

46,974.—*Title:* FERTILE SCALP TONIC. For Scalp Tonic. THE FERTILE COMPANY, Washington, Pa. Published September 19, 1935.

46,975.—*Title:* THE SNOW THEY USE IN THE MOVIES. For Artificial Snow. CHAS. A. KRAUSE MILLING CO., Milwaukee, Wis. Published September 24, 1935.

46,976.—*Title:* NATTIKNIT. For Sportswear. LOS ANGELES KNITTING MILLS, LTD., Hollydale, Calif. Published May 15, 1936.

46,977.—*Title:* PEORIA SPECIAL BEER. For Beer. PEORIA BREWING COMPANY, Peoria, Ill. Published October 10, 1935.

46,978.—*Title:* STRAIGHT CLUB SODA. For Straight Club Soda. RALPH AND ROWLAND, Los Angeles, Calif. Published November 25, 1935.

46,979.—*Title:* LOTION DELCE. For a Lotion. ROBBINS, WILLIAMS & CO., Detroit, Mich. Published November 5, 1935.

REISSUES

JANUARY 14, 1936

19,818
MOLDED CONTAINER

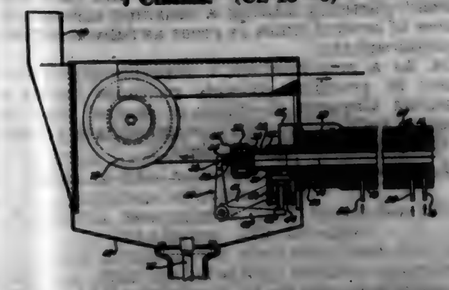
Pearley Lee Barber, Turner, Oreg.
Original No. 1,991,649, dated February 19, 1935, Serial No. 613,512, May 24, 1932. Application for reissue August 12, 1935, Serial No. 35,982.
5 Claims. (Cl. 197—13)



1. A mold for molding a hollow article having two or more separable sections: comprising a pair of longitudinally separable mold blocks, each of which is provided on its meeting face with a recess formed to the shape of a side of one section of said article and having a tapered semi-annular annulus through one end of each block, said blocks being arranged to have their meeting faces engaged during the process of molding; a pair of longitudinally separable mold blocks, each of which is provided on its meeting face with a recess formed to the shape of a side of the other section of said article and having a semi-annular opening through one end of each block; the last mentioned semi-annular opening cooperable to define an annulus when the last mentioned blocks have their meeting faces engaged, said annulus being of larger diameter but conforming to the flare of the tapered annulus formed by the tapering semi-annuli when the meeting faces of the first mentioned mold blocks are engaged.

19,820
APPARATUS FOR HANDLING TREATED ARTICLES

George Lafayette Cherry, Western Springs, Ill., and Leslie Fawcett Lamplough, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Original No. 1,885,660, dated October 25, 1932, Serial No. 362,108, May 10, 1929. Application for reissue September 17, 1934, Serial No. 744,432.
7 Claims. (Cl. 18—6)



5. In combination, a fluid pressure container having an opening in the wall thereof and a fluid seal comprising a resilient member, means to secure said member in position to close said opening, said member being apertured to permit passage of a strand therethrough, a movable retaining member associated with the resilient member and being supported to move in one direction to exert pressure on said resilient member, a piston, means operably connecting the piston and retaining member to move said retaining member in said direction and means for supplying fluid pressure independent of the fluid pressure in said container to the piston.

19,821
MULTIPLE-PLY PAPER

Ezra B. Fish, Kansas City, Mo., assignor, by mesne assignments, to The Interstate Folding Box Company, Middletown, Ohio, a corporation of Ohio
Original application November 1, 1921, Serial No. 513,143. Divided and application May 2, 1925, Serial No. 626,198, Patent No. 1,583,236, dated September 1, 1925. This application for reissue September 12, 1925, Serial No. 49,249
4 Claims. (Cl. 92—40)



1. A paper sheet comprising a photographically opaque ply and a facing ply united permanently therewith by interlocking of the fibres of the plies.

19,822
METALLIC WALL STRUCTURE

Karl F. Hasserman, Cleveland Heights, Leroy D. Mowery, Cleveland, and John A. Bohnsack, Cleveland Heights, Ohio, assignors to The E. F. Hasserman Company, Cleveland, Ohio, a corporation of Ohio
Original No. 1,842,984, dated January 19, 1932, Serial No. 360,234, May 3, 1929, which is in turn a division of Serial No. 290,634, August 20, 1928, now Patent No. 1,856,995, which was in turn a division of Serial No. 134,110, September 7, 1926, now Patent No. 1,681,805. This application for reissue February 18, 1935, Serial No. 7,159
13 Claims. (Cl. 189—34)



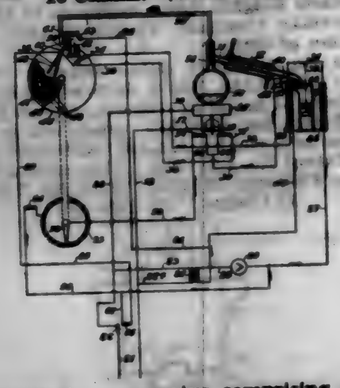
1. In partition construction, a sheet metal cornice of generally channel shape having upstanding flange portions rebent inwardly to define a longitudinal opening and having a recess in its web portion, a hollow support member abutting the web portion of said cornice and having a removable face member providing access to the under surface of the cornice, and a panel member abutting said support and engaged in the aforementioned recess.

19,823
ANTENNA COUPLING SYSTEM
Louis A. Hazeltine, Hoboken, N. J., assignor to Hazeltine Corporation, a corporation of Delaware
Original No. 1,552,710, dated April 5, 1932, Serial No. 492,270, November 4, 1930. Application for reissue November 16, 1935, Serial No. 50,235
6 Claims. (Cl. 250—20)



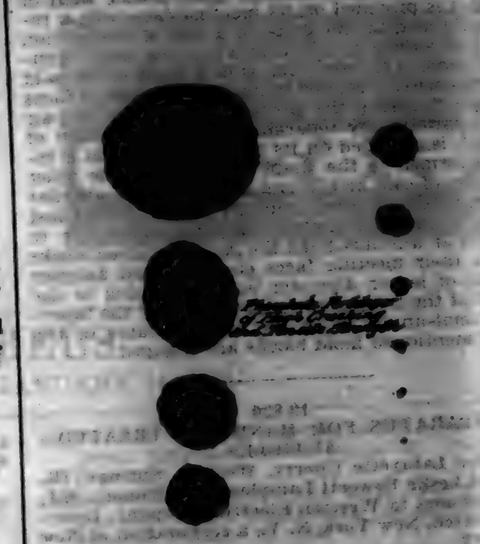
1. A high-frequency coupling circuit tunable throughout a frequency range and adapted primarily for coupling a capacity type antenna to the input of a thermionic tube, comprising, a tunable secondary circuit having coupled thereto a primary circuit including inductance sufficient to resonate with a certain antenna capacity at a frequency fixed at about the lowest frequency of said tunable range, and shunt resistance associated with said primary circuit sufficiently high in maximum magnitude to have an inappreciable effect upon the operation of said coupling circuit when connected to an antenna having said certain capacity, said magnitude being sufficiently low to prevent serious detuning for a given frequency adjustment of said tunable secondary circuit when said primary circuit is connected to an antenna of less than said certain capacity.

19,824
AUTOMATIC ENGLER DISTILLATION APPARATUS
John E. Moore and George W. Chenicek, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Original No. 1,863,246, dated June 14, 1932, Serial No. 527,710, April 4, 1931. Application for reissue September 8, 1933, Serial No. 688,994
16 Claims. (Cl. 22—253)



1. Distillation apparatus comprising a distillation flask, a condenser connected with said flask, a receiver for the condensate formed in said condenser, heating means for said flask, a chart, an electrical circuit including two contact points, a pivoted lever adapted to alternately contact said points, means on said lever for intercepting a drop of condensate whereby the lever is caused to move from one contact point to the other, means for recording distillation temperatures on said chart and means actuated by said electrical circuit for indicating on said chart the interception of said first drop of condensate, whereby the distillation temperature at the time said first drop of condensate is received can be determined from said chart.

19,825
FERTILIZER
Beverly Ober and Edward H. Wight, Baltimore, Md., assignors to The Ohio-Apex Company, Baltimore, Md., a corporation of Maryland
Original No. 1,947,122, dated February 13, 1934, Serial No. 512,551, February 27, 1931. Application for reissue November 18, 1934, Serial No. 753,243
18 Claims. (Cl. 71—7)

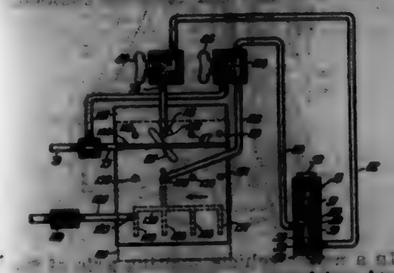


1. As a new product, a phosphate fertilizer in porous discrete nodular encrusted and indurated globoid particles, having a crushing strength in excess of several times as great as fully cured den superphosphate.

14. As a new product, a superphosphate fertilizer in granular discrete particles having a crushing strength in excess of several times as great as fully cured den superphosphate, formed by crushing the product of claim 1.

PATENTS
GRANTED JANUARY 14, 1936

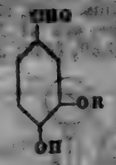
2,027,360
FUEL INJECTION SYSTEM
Carrell R. Abbot, Detroit, Mich., assignor to Ex-Cell-O Aircraft & Tool Corporation, Detroit, Mich., a corporation of Michigan
Application March 19, 1934, Serial No. 437,856
21 Claims. (Cl. 123—32)



2. A fuel injection system, comprising, in combination, a source of liquid fuel under pressure, an injection nozzle having a fluid pressure responsive valve member, and a rotary distributor for effecting the simultaneous supply of fuel from said source at equal pressures to opposed pressure areas on said member and for discharging the pressure on one of said areas after a predetermined interval while substantially maintaining the pressure on the other of said areas to cause movement of said member from one position to another.

2,027,361
FOOD FLAVORING COMPOSITION
Arthur Alt, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 16, 1933, Serial No. 693,882
9 Claims. (Cl. 99—11)

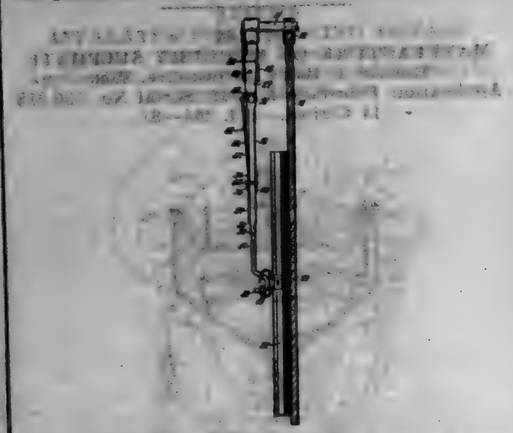
3. A flavoring composition for foodstuffs embodying a material having the following structural formula:



where R is an aralkyl group, vanillin and a solvent therefor.

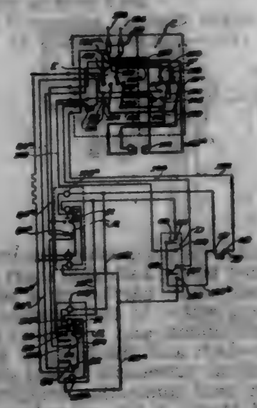
2,027,362
WINDSHIELD WIPER
John W. Anderson, Gary, Ind., and Theodore J. Smulski, Lake Zurich, Ill.; said Smulski assignor to The Anderson Company, Gary, Ind., a corporation of Indiana
Application December 8, 1931, Serial No. 579,874
13 Claims. (Cl. 15—250)

3. In a device of the class described, the combination with an actuating member operatively related to a windshield, of an arm comprising an inner section rigidly connected to said member, an intermediate section pivotally mounted on said inner section for movement in a plane substantially perpendicular to the windshield, and an outer section slidably mounted on said intermediate section, a flat spring mounted on and secured to one side of the intermediate section and extending from its securing means into engagement with the others of said sections for yieldingly maintaining the respective sections in various positions of relative adjustment with respect



to each other, said intermediate section having a plurality of seats formed therethrough adjacent said spring to prevent accumulation of matter between said intermediate section and said spring, and means slidably mounted on one of said sections and engageable with said spring for varying the tension thereof.

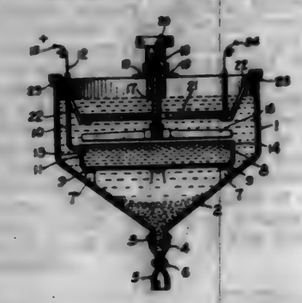
2,027,363
VALVE OPERATING MECHANISM
Walter B. Atchinson, Indian Orchard, Mass., assignor to The Chapman Valve Manufacturing Company, Indian Orchard, Mass., a corporation of Massachusetts
Application October 24, 1928, Serial No. 670,463
9 Claims. (Cl. 177—311)



1. In a device of the character described, in combination a mechanism arranged to operate a

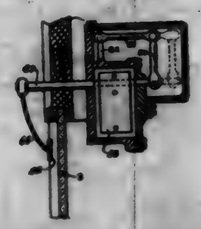
valve and including an element to be driven, a motor for driving said element, and a clutch for detachably connecting said motor and element to permit manual operation of the valve, locking means for said clutch, remote control means for said motor including a master switch structure situated distant from said valve, line switches controlled thereby and serving to energize the motor, and a local switch in series with said master switch structure and actuated to closed position by said locking means irrespective of said line switches when said motor and element to be moved are operatively connected through said clutch.

2,027,264
MANUFACTURE OF MERCURY SULPHATE
Ronald J. Baird, Milwaukee, Wis.
Application February 4, 1932, Serial No. 590,918
14 Claims. (Cl. 204—9)



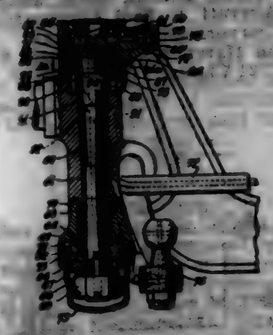
1. A method of making a crystalline mercurous sulphate catalyst which comprises contacting a solution containing about 2% sulphuric acid and about 10% sodium nitrate with mercury; passing a direct current of electricity through the solution while making the mercury the anode; and maintaining a current density at the anode of about 0.5 to 1 ampere per square decimeter.

2,027,265
WINDSHIELD CLEANING DEVICE
George A. Barker, Rochester, N. Y.
Application February 14, 1934, Serial No. 711,211
6 Claims. (Cl. 15—255)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



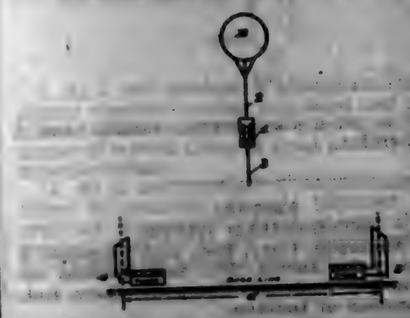
1. In a cleaner for a windshield having a curved surface, a wiper blade, a slidable shaft supporting said blade, said shaft carried by a housing and connected to a motor in the housing to receive oscillatory movement, and a pivoted connection between said shaft and the housing for imparting a longitudinal movement to said shaft during its oscillation, said connection comprising a rod fixed to said shaft, a lug extending from the housing and a link universally connecting said rod and said lug.

2,027,266
CENTRAL LUBRICATION
Joseph Bijur, deceased, late of New York, N. Y., by George Bijur, executor, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware
Application June 7, 1928, Serial No. 615,797
23 Claims. (Cl. 184—7)



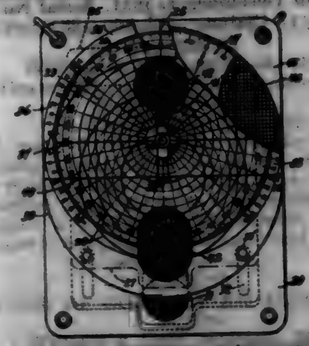
3. In a motor vehicle steering axle of the type including an axle beam having a clevis, a knuckle straddled by said clevis, a king pin rigidly fitted in said knuckle and bearing in the jaws of said clevis, and a thrust bearing encircling the lower end of the king pin and sustaining the axle beam upon the knuckle; the combination therewith of a bushing for the upper end of the king pin adjustably fitted in the upper clevis jaw and including a skirt encircling the upper end of the knuckle to render the connection dust-proof thereat, a lubricant inlet carried by the upper clevis jaw and leading into said upper bushing, said bushing having a passageway longitudinally thereof communicating with a bore in the upper face of the knuckle and enclosed within the dust-proof skirt, and piping draining said bore, carried by said knuckle and leading to a bearing thereof.

2,027,267
SYSTEM OF DETERMINING METEOROLOGICAL CONDITIONS BY RADIO
William R. Blair, Fort Monmouth, Oceanport, N. J.
Application February 15, 1933, Serial No. 656,115
11 Claims. (Cl. 250—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



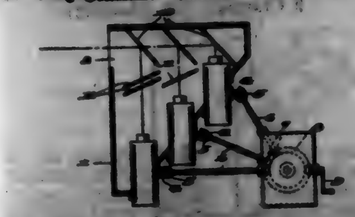
1. In a system of the character described, employing an aerial moving body freely subject to atmospheric influences and adapted to carry a radio transmitter in radio communication with an observation station; the method of determining meteorological conditions, which consists in generating radio frequency oscillations from said transmitter; modulating said oscillations quantitatively in accordance with characteristics of the atmosphere; and detecting the modulated energy at the observation station.

2,027,268
NAVIGATIONAL INSTRUMENT
Robert W. Bockius, United States Navy
Application April 22, 1935, Serial No. 17,629
6 Claims. (Cl. 33—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



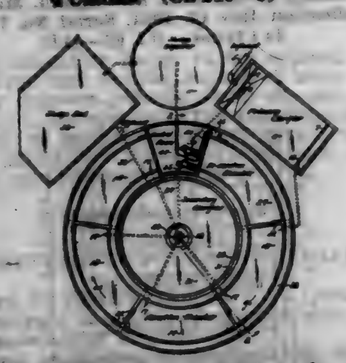
6. A navigational instrument, comprising a direction indicating member settable to indicate a wind direction, a member bearing ground-speed circles operatively associated therewith, a member bearing air-speed circles and at their center a wind velocity indicium settable to indicate a wind velocity on said ground-speed circles, a member settable to define a line that includes said indicium and a chosen point on said first mentioned member, the intersection of said line with a chosen air-speed circle indicating a ground speed that is a function of said chosen air-speed, of the wind vector, and of the direction of said line, and means to read on said first member a direction that is determined by the directional position of said line, of said wind vector and of the compass variation.

2,027,269
PHOTOGRAPHIC APPARATUS
Fernand A. Bourges, New York, N. Y.
Application March 2, 1933, Serial No. 659,556
6 Claims. (Cl. 88—16.4)



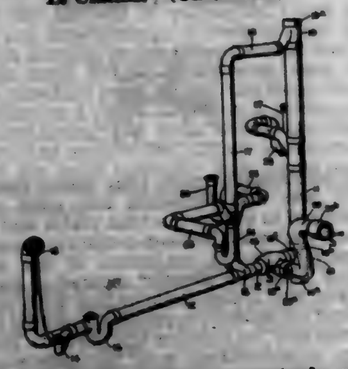
1. In photographic apparatus, the combination with a plurality of cameras having separate lenses arranged approximately at equal light distances from an object, of a transparent reflector plate arranged in front of one of said cameras in the direct path of light but at an angle to said path of light from the object in position to reflect light from the object directly to said camera and to transmit light to a second camera, said first-mentioned camera being so arranged that the direct path of light to its lens from the transparent reflector plate is approximately at right-angles to the path of light from the object to said transparent reflector plate, and a compensator plate equal in light interference to the reflector plate and arranged between the reflector plate and the first-mentioned camera in the path of the light passing to said camera and approximately at the same angle thereto as the transparent reflector plate to the light passing therethrough in position to compensate for any distortion caused by the image passing through the transparent reflector plate and equalizing any distortion between the object and the second camera.

2,027,270
APPARATUS FOR TREATING SEWAGE
Frank S. Currie, San Bernardino, Calif.
Application January 24, 1934, Serial No. 708,131
4 Claims. (Cl. 210—8)



1. In combination; a clarifying chamber; a plurality of seration chambers around the periphery of the clarifying chamber; and means for causing fluid contents of the seration chambers to circulate about horizontal lines intermediate their inner and outer peripheral walls; said seration chambers being adapted for interconnection, and for discharging ultimately into said clarifying chamber.

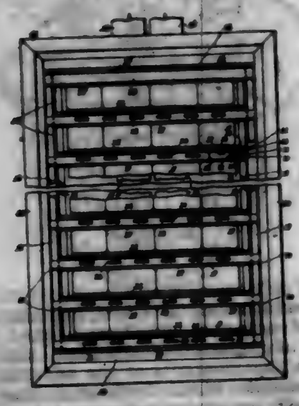
2,027,271
FACTORY FABRICATED ROUGH PLUMBING UNIT
Robert L. Davison, New York, N. Y., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application November 19, 1932, Serial No. 643,124
12 Claims. (Cl. 4—211)



1. In combination with a receptacle provided with a trapway having a lateral discharge, of a

substantially horizontal extending member, trap means connected to said horizontally extending member, a vertically extending combined air-vent and water-pipe member, a V-fitting connecting said vertical member with said horizontally extending member, a vertically extending combined air-vent and waste-pipe member connected at a lower portion to said horizontally extending member remote from the connection of the latter with said first-named combined air-vent and waste-pipe member and connected at an upper portion to said first-named combined air-vent and waste-pipe member, and a half-syphon-leg connector member communicating with said substantially horizontally extending member.

2,027,272
APPARATUS FOR FREEZING MATERIALS
Sidney M. Davison, Annisquam, Mass.
Application July 12, 1934, Serial No. 734,727
24 Claims. (Cl. 62—114)



1. A freezing apparatus comprising a support and spaced apart on said support a plurality of pairs of separated refrigerated plates of which one is movable relatively to the other, said plates of each pair having a flexible water tight connection between the edges thereof.

2,027,273
DENTAL APPLIANCE
Edward H. Eden, St. Louis, Mo.
Application January 10, 1934, Serial No. 706,128
5 Claims. (Cl. 32—19)



1. In combination with trial plates fitted to a person's jaws and including bite rims, an element secured to one of the trial plates and adapted to have recorded thereon a marking indicating the centric different occlusions of the person's lower jaw, a second element secured to the other trial plate, and means cooperating with said elements and adjustable to various positions relative to the marking for guiding the person's jaws into positions in accordance with the determined occlusions of the jaws for the forming of record check bites between said bite rims.

2,027,274
MOUTH TREATING COMPOSITION
Otto S. Fowler, Beverly, Calif.
No Drawing. Application May 8, 1933, Serial No. 669,454
6 Claims. (Cl. 167—93)

1. A composition of matter comprising a mouth preparation containing live non-pathogenic *Bacillus aloaligenes*.

2,027,275
SCREEN SEPARATOR
George Holt Fraser, Brooklyn, N. Y.
Application December 1, 1931, Serial No. 578,251
8 Claims. (Cl. 209—237)



1. A rotary screen, comprising in combination, a screen clothing, a frame for supporting said clothing, mounted for vertical movement to impart vertical movement to said clothing, a substantially horizontal shaft for supporting and rotating said screen, and up-pressor means for pressing said screen upwardly; the combination therewith of self depression rotary cam means movable downwardly with, and rotatable with said screen, and adapted to move itself and said screen downwardly in opposition to said up-pressor means, and a downward cam face opposite and above and co-operable with said rotary cam means, adapted during rotation thereof to cause the latter to depress itself and said screen collectively in opposition to said up-pressor means.

2,027,276
SAFETY HOOK
Herbert E. Gross, Los Angeles, Calif., assignor to Byron Jackson Co., Los Angeles, Calif., a corporation of Delaware
Application August 18, 1934, Serial No. 740,255
9 Claims. (Cl. 24—232)



1. A safety hook comprising a hook-shaped body having an upwardly projecting bill, said body having an outwardly projecting abutment above the opening into the hook, a locking bar pivotally attached to the bill, extending upwardly across the opening of the hook and engaging the upper face of the abutment so that the said locking bar supports a portion of the load on the hook, said locking bar capable of swinging down on its pivot to leave the opening into the hook unobstructed, and a latch pivotally mounted on the body of the hook and having means for engaging the upper end of the locking bar to hold the same in engagement with the abutment.

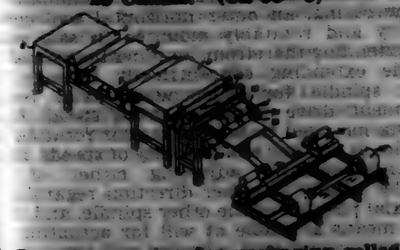
2,027,277
METHOD OF CONVERTING ALDEHYDES TO ACIDS
William J. Hale, Midland, Mich.
No Drawing. Application October 26, 1931, Serial No. 571,251
12 Claims. (Cl. 260—116)

1. A method of preparing organic acids which comprises contacting an aldehyde and water, in vapor phase, with a dehydrogenative catalyst and a directive catalytic base which catalytic base comprises a partially hydrolyzable salt of an amphoteric base and an organic acid.

2,027,278
METHOD OF CONVERTING ALCOHOLS TO ACIDS
William J. Hale, Midland, Mich.
No Drawing. Application November 9, 1931, Serial No. 574,923
27 Claims. (Cl. 260—116)

1. A process of preparing organic acids which comprises contacting alcohol and water, in vapor phase, with a dehydrogenative catalyst and a catalytic mass comprising essentially a partially hydrolyzable salt of an amphoteric base and an organic acid.

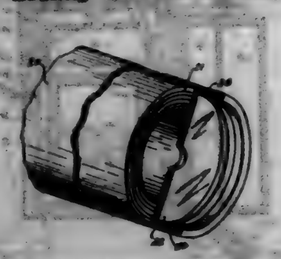
2,027,279
APPARATUS FOR PACKAGING RUGS
Clifford F. Hawker, Benjamin F. Herr, and Fred G. Rettinger, Lancaster, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application March 16, 1933, Serial No. 660,216
Renewed June 19, 1933
26 Claims. (Cl. 93—5)



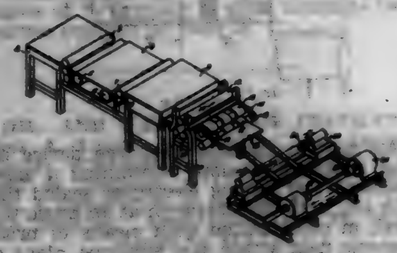
1. In an apparatus for packaging rolled articles, yielding means to center a rolled article in a tube and yielding means to crimp the ends of the tube into inturned beads, each of said means having arms adapted to position the tube for its operation thereon.

2,027,280
ROLL PACKAGE
Clifford F. Hawker, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application March 16, 1933, Serial No. 660,217
7 Claims. (Cl. 206—58)

7. The combination with a plurality of relatively rigid tube sections of built-up paper construction, detachably secured together, forming a tubular housing for a cylindrical body substantially incompressible along a direction parallel to its axis and of undetermined axial length, of closures for each end of the housing, at least one of said closures including an end member within the housing and an inwardly turned, axially extending flange on the exposed end of one of the tube sections, capable of being formed at any operable position along the axis of the housing to accommodate the axial length of the body to be housed, said rolled article substantially filling the space between said closures within said housing.



2,027,281
METHOD OF PACKAGING ROLLED ARTICLES
Clifford F. Hawker, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Original application March 16, 1933, Serial No. 660,217. Divided and this application July 24, 1934, Serial No. 736,633
10 Claims. (Cl. 93—5)

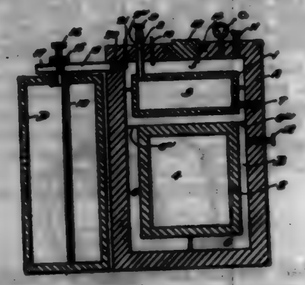


1. In the method of packaging rolled articles which are substantially incompressible along a direction parallel to the axis of rolling and which have an axial length which may vary slightly from a standard axial length, the steps consisting in positioning a rolled article in a relatively rigid tube, positioning end disks within the tube and adjacent the ends of the article, and turning the ends of the tube inwardly into beads until the disks engage the ends of the article, regardless of its axial length.

2,027,282
PORTABLE DRY ICE REFRIGERATION
Clarence L. Jacklin, Salt Lake City, Utah
Application September 25, 1933, Serial No. 690,572
10 Claims. (Cl. 62—91.5)

1. In a refrigerator of the class described, the combination of a large compartment having separate food chambers therein, means to introduce

carbon dioxide liquid into said compartment to form semi-solid carbon dioxide; means to control the flow of liquid therein; and means to provide



separate degrees of temperature in each of the food chambers by making the insulation of the walls of different cold resisting insulation.

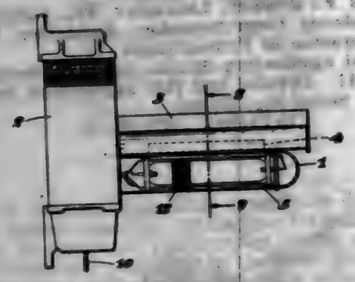
2,027,283

ELECTRIC DISCHARGE DEVICE

Carl E. Kenty, Chatham, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey

Application October 3, 1934, Serial No. 746,726

9 Claims. (Cl. 176—122)



1. An electric gaseous discharge device comprising a sealed envelope containing a gaseous atmosphere and having electrodes sealed therein with the path therebetween at an angle to the vertical, in combination with means to produce a magnetic field within said envelope, along substantially the entire path between said electrodes, the gradient in said field being such that the magnetic reaction thereof with the normal arc current is sufficient to maintain the arc stream substantially at the axis of said device while that with the starting current is insufficient to force said arc stream into contact with the lower wall of said device.

2,027,284

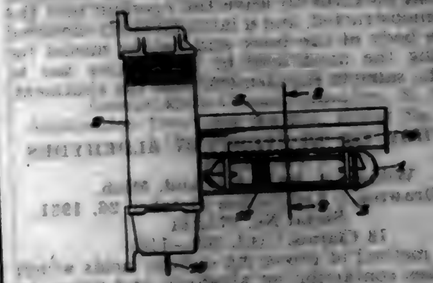
APPARATUS FOR CONTROLLED ELECTRIC DISCHARGE DEVICES

Carl E. Kenty, Chatham, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey

Application January 15, 1935, Serial No. 1,970

8 Claims. (Cl. 176—124)

2. In combination, an electric gaseous discharge device comprising a sealed envelope containing a gaseous atmosphere and having electrodes sealed therein, and means to produce a magnetic field within said device to control the position of an arc between said electrodes, said means comprising a magnet coil connected in series with said device, a core of magnetizable material extending through said coil and then converging to form an air gap which extends



along said device beyond each of said electrodes parallel to the desired arc path, and a second core which extends about one side of said coil and overlaps the first mentioned core on either side of said coil, said second core being limited to the central portion of said arc path.

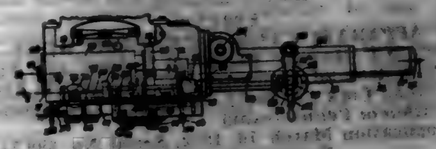
2,027,285

HEADSTOCK FOR MACHINE TOOLS

Hans B. Kraut and Keith F. Gallimore, Fond du Lac, Wis., assignors to Gidding & Lewis Machine Tool Co., Fond du Lac, Wis., a corporation of Wisconsin

Application June 26, 1934, Serial No. 732,792

21 Claims. (Cl. 29—36)



1. A headstock comprising, in combination, a hollow casing, an outer horizontal tool spindle slidably and rotatably mounted in said casing and extending therefrom, an inner horizontal tool spindle extending concentrically through said outer spindle for independent axial feeding movement, drive means including speed change gearing mounted in said casing for rotating said spindles at any one of a plurality of speeds, means for independently adjusting either of said spindles axially in either direction regardless of the axial position of the other spindle, and power drive means available at will for actuating said last mentioned means, whereby said outer spindle may be projected horizontally from said casing to provide a rigid extended support for said inner spindle when the latter is projected horizontally a substantial distance from said casing.

2,027,286

SYSTEM FOR MOVING BODIES TOWARDS AND AWAY FROM EACH OTHER

Adolf Krämmer, Berlin, Germany

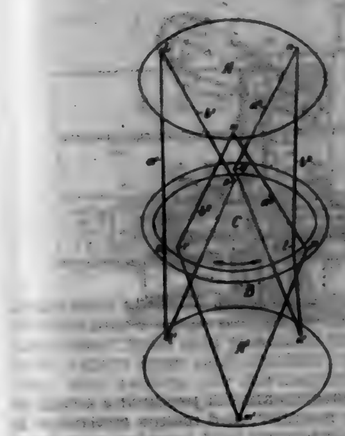
Application December 1, 1933, Serial No. 699,631

In Germany December 2, 1932

14 Claims. (Cl. 74—89)

1. Means for moving two bodies towards and away from each other, and for supporting them

in any intermediate position, comprising two disc-like bodies disposed in substantially parallel planes, a third body substantially parallel to the said first bodies, a plurality of pairs of links, the links of each pair being angularly disposed with respect to each other and being connected at their apices to one of said disc-like bodies, the other ends of the links of each pair being con-



nected one to each of the other of said disc-like bodies and to said third body, said third body being rotatable with respect to said first bodies, and the rotation thereof causing shifting of the apices of the angles between the links of each pair, and variation in the spacing of the two bodies.

2,027,287

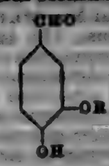
FLAVORING OF FOODSTUFFS

Lucas P. Kyrides, Webster Groves, and Henry H. Retailliau, St. Louis, Mo., assignors, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application May 20, 1932, Serial No. 613,632

5 Claims. (Cl. 99—11)

8. A flavoring for foodstuffs consisting of an alcoholic solution of coumarin and a material having the structural formula:



where R is a propyl, butyl, amyl, hexyl, heptyl or octyl group.

2,027,288

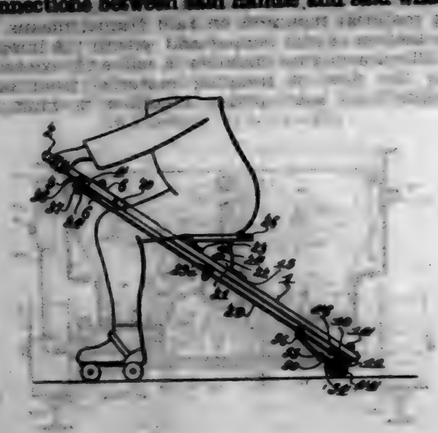
SCOOTER

William R. Larkin, Flushing, N. Y.

Application September 15, 1933, Serial No. 689,113

14 Claims. (Cl. 280—182)

1. In a scooter, the combination of a chassis, a pair of wheels supporting the rear end of the chassis, a handle at the front end of the chassis mounted to be turned to the right and left, and connections between said handle and said wheels



by which the wheels may be turned for the purpose of steering.

2,027,289

PACKING FLUID SEALS

Wilbur Arthur Lazier, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 18, 1931, Serial No. 545,487

10 Claims. (Cl. 91—68)

3. A fluid-sealing material comprising a fibrous base impregnated with a mixture comprising a hydrogenated castor oil, and a solid lubricant, said castor oil having been hydrogenated to such a degree as to produce a waxy material having a melting point of at least 70° C.

2,027,290

OIL- AND WATER-PROOF PRODUCT

Wilbur A. Lazier, Marshallton, and James H. Werntz, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 28, 1932, Serial No. 619,734

6 Claims. (Cl. 91—68)

1. A container for and resistant to lubricating type oils, which comprises fibrous organic sheet material coated with a composition comprising a substantially hydrogen saturated ester of a hydroxyl containing fatty acid, said ester having a melting point of at least 50° C., and being of the class consisting of substantially hydrogen saturated castor oil, substantially hydrogenated blown drying oils, and waxy esters of hydroxy stearic acids with high molecular weight alcohols.

2,027,291

TAMPING APPARATUS

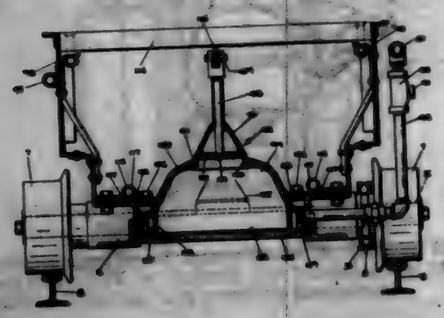
Nils D. Levin and Ernst F. Muller, Columbus, Ohio, assignors to The Jeffrey Manufacturing Company, a corporation of Ohio

Application June 29, 1932, Serial No. 618,606

10 Claims. (Cl. 86—21)

1. Apparatus for tamping drill holes in a mine face comprising the combination with a port-

able supporting frame, of a source of compressed air mounted thereon, a hopper for tamping material mounted on said frame, means at the bottom of said hopper and within the hopper to afford a mixing chamber, a valve for controlling the flow of tamping material from said hopper into said mixing chamber, a multiple



nozzle at the bottom of said hopper and surrounding said valve for aerating the tamping material to facilitate its flow into said mixing chamber, means for controlling such aeration, and means for directing the flow of a mixture of air and tamping material from said mixing chamber into a hole to be tamped.

2,027,292

FACE MASK

Frank G. Manson, Dayton, Ohio

Application June 2, 1932, Serial No. 614,985

7 Claims. (Cl. 128—141)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a face mask a face portion comprising a plurality of sections cut to snugly conform to and intimately contact the wearer's face when in assembled relation, said face portion including a nose opening shaped to snugly receive the nose and a separate mouth opening the surrounding materials of which intimately contact the lips of the wearer, a nose piece secured at its peripheral edges to said face portion and spaced from and inclosing said openings to form a breathing chamber for the nose separate and apart from the interior of said face portion, means in said nose portion for supplying gases to said breathing chamber, means adjacent said first mentioned means forming a communicating passageway between said mouth opening and the atmosphere to permit exhalation of said gases, and baffle means cooperating with said gas supply means for deflecting the entering gases away from the face and into said breathing chamber.

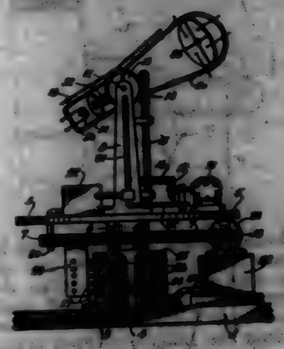
2,027,293

CATHODE-RAY DEVICE

Harold J. McCreary, Chicago, Ill., assignor of one-fourth to Rodney G. Rietzschel, one-fourth to Henry Hugo Engelhardt, and one-fourth to Forrest B. Brunner, all of Chicago, Ill.

Application January 18, 1935, Serial No. 2,027,293

12 Claims. (Cl. 33—204)



1. In a compass, means for producing a cathode ray, a movable member, and means controlled by the ray for maintaining said member parallel to the lines of force of the earth's field, said last means including mechanism for moving said member to correct for angular displacement in both vertical and horizontal planes.

10. An instrument comprising means for generating a cathode ray, a horizontal member, a member movable about a horizontal axis, means for supporting said axis adjacent said horizontal member with the second member at a variable angle thereto depending on its position on said axis, and means responsive to deflection of said ray by the earth's magnetic field for moving said second member on said axis to indicate the inclination of the earth's field with respect to said horizontal member.

2,027,294

TREATMENT OF HYDROCARBONS

Edward W. Moldenhauer, Philadelphia, Pa., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 28, 1933, Serial No. 703,479

5 Claims. (Cl. 44—9)

1. A motor fuel comprising cracked gasoline normally tending to deteriorate upon storage by gum formation, and stabilized against such gum formation by having incorporated therein a small amount of a substance selected from the group consisting of ano benzene, azoxy benzene and hydrazo benzene, said amount being sufficient substantially to retard said gum formation.

2,027,295

WATER RECLAIMER

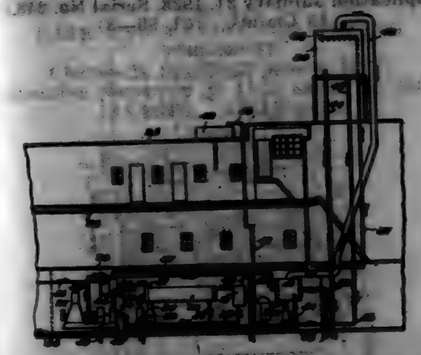
Vincent P. McVoy, Mobile, Ala.

Application November 28, 1934, Serial No. 755,286

2 Claims. (Cl. 202—43)

1. That process of recovering pure water at approximately 200 gallons per hour by use of the heat of waste condenser cooling water under low

absolute pressure, which consists in spraying under pressure a large volume of said waste water at approximately 110° F. over a large area in a vacuum chamber disposed at least the vacuum seal height above the surface water level, maintaining said chamber under about 2 pound per



square inch absolute pressure, continuously force recirculating a large portion of the unvaporized waste water from said chamber, withdrawing the water vapors from said chamber, condensing the same, and wasting the unvaporized waste water in excess of that required to prime the circulation of the waste water.

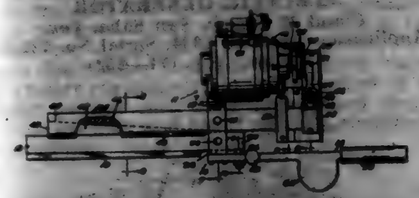
2,027,296

CARCASS CLEAVING MACHINE

Henry A. Mayer, Cincinnati, Ohio, assignor of one-half to Weil Machine Company, Cincinnati, Ohio, a corporation of Ohio

Application December 22, 1930, Serial No. 504,903

17 Claims. (Cl. 17—33)



3. In a carcass cleaving machine, the combination of a frame, a cleaving blade and a complemental actuator blade pivoted in superposed arrangement on said frame, operating means for said actuator blade, and means normally causing separation between said cleaving blade and said actuator blade, and arranged for permitting approach between said actuator blade and said cleaving blade by pressure of said cleaving blade on the carcass.

11. In a carcass cleaving machine, the combination of a portable frame, a cleaving blade having a cleaving portion, said cleaving portion extending beyond said frame in the direction of length of said cleaving blade, so as to dispose said cleaving portion and said frame in end to end relation, pivot mounting means on said portable frame for said cleaving blade for pivotal swinging movements of said cleaving portion of said cleaving blade in the plane of said blade, an actuating part for said cleaving blade, and operating means for said actuating part for imparting said swinging movements, said pivot mounting means and said operating means being located solely at the frame end of said cleaving blade.

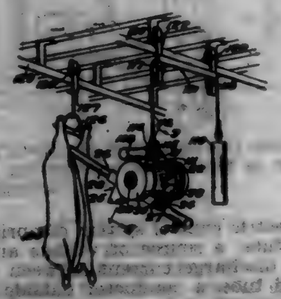
2,027,297

CARCASS CLEAVING MACHINE

Henry A. Mayer, Cincinnati, Ohio, assignor of one-half to The Weil Machine Company, Cincinnati, Ohio, a corporation of Ohio

Application May 21, 1935, Serial No. 22,586

20 Claims. (Cl. 17—35)



4. In a carcass cleaving machine arranged for descent lengthwise of a suspended carcass during the cleaving operation, the combination of a cleaving blade in the carcass position, means for pivoting said cleaving blade and means for operating said pivoted cleaving blade outside the carcass position, said cleaving blade being the sole part of said carcass cleaving machine located within the carcass during the cleaving operation.

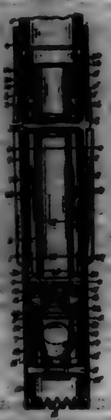
2,027,298

WELL-POINT

Thomas F. Moore, Morris Plains, N. J.

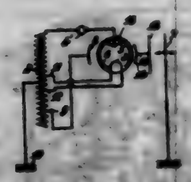
Application November 20, 1933, Serial No. 698,799

19 Claims. (Cl. 166—5)



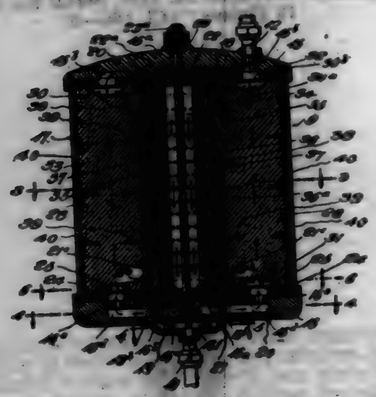
1. A well-point adapted to be sunk into water-containing soil for withdrawing the water therefrom comprising an inner pipe, a tubular screen surrounding the pipe in radially spaced relation thereto, and a cage unit surrounding the screen in radially spaced relation thereto and having its lower end provided with a tubular head extended below the inner pipe in spaced relation thereto to form a port to allow the ground-water to pass therethrough and through the screen into the lower end of the cage unit, and a ring-valve controlling said port.

2,027,390
ELECTRIC CONTROL APPARATUS
Johannes Osterrieder, Moring, and Johann Michel, Augsburg, Germany
Application December 10, 1931, Serial No. 580,346
In Germany January 26, 1931
7 Claims. (Cl. 250—27)



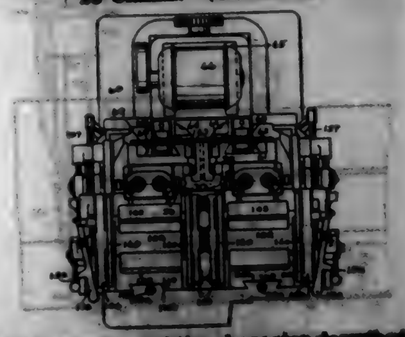
1. An electric control system comprising a gas discharge tube, a source of voltage arranged to produce a discharge current between electrodes within said tube, a conductor outside said tube and forming with at least one internal electrode thereof a loose capacity coupling with a large stray field, a source of voltage arranged to maintain the field of said capacity coupling and by means of said internal electrode controlling the discharge current in the tube, and means for indicating discharge current variations due to disturbance of the field.

2,027,400
OIL FILTER
Robert H. Pennebaker, New Orleans, La.
Application July 14, 1933, Serial No. 680,497
14 Claims. (Cl. 210—135)



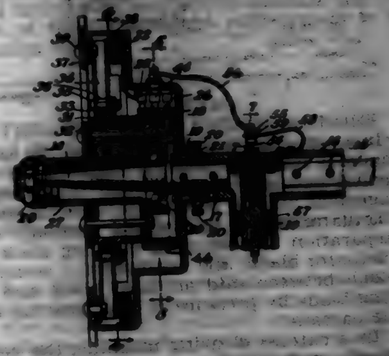
1. An oil filter comprising a cylindrical casing, removable heads at opposite ends of said casing, an oil inlet connection extending through one of said heads, an oil discharge connection extending through the other of said heads, a multiplicity of filter screens, an annular shaped cylindrical filter container concentrically insertable in said casing between said heads, said container enclosing a mass of filter clay and having symmetrical perforate end portions, means for passing oil through the screens and thereafter longitudinally through the filter clay in a series path, and baffle means disposed throughout said filter clay for effecting maximum passage of the oil through said filter clay.

2,027,401
BROACHING MACHINE
Julian L. Perkins and Hiram D. Croft, Springfield, Mass., assignors to Perkins Machine & Gear Company, Springfield, Mass., a corporation of Massachusetts
Application January 21, 1932, Serial No. 588,325
25 Claims. (Cl. 90—5)



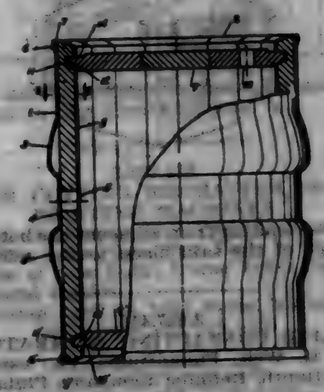
1. In a machine of the character described, the combination of a reciprocating slide carrying pairs of oscillatable broaching tools, means for effecting the oscillating movement of the tools at predetermined positions of the slide, a work-carrying fixture, means for mounting the fixture to present a plurality of pieces of work carried thereby in precision relation to the reciprocating path of said tools, and means connecting said pairs of broaching tools for maintaining said pairs of broaching tools in parallelism during the cutting action thereof upon said plurality of pieces of work carried by the fixture.

2,027,402
ELECTRIC GENERATOR
Claud M. Roach, San Saba, Tex.
Application April 24, 1934, Serial No. 722,160
1 Claim. (Cl. 171—252)



A generator of the kind indicated comprising a step cylindrical housing, means for stationarily mounting the same, a stud shaft fixed with respect to the housing, a rotor in surrounding relation to said shaft and formed with a shell encircling the shaft, anti-friction bearings interposed between the shell and the shaft, a series of bobbins disposed in the housing within the larger step of the latter and angularly spaced therearound with their axes parallel with the axis of said shaft, a series of permanent horse-shoe magnets carried by the rotor with their legs arranged radially thereof, so that they pass the bobbins at the side faces of their legs adjacent the free ends when the rotor rotates, a rectifier carried by the rotor within the smaller step of the housing, and brushes having holders mounted in but insulated from the housing at the smaller step, the brushes bearing radially on the rectifier.

2,027,441
CASK AND METHOD OF MAKING THE SAME
Charles B. Shepherd, Bronx, N. Y.
Application November 20, 1933, Serial No. 698,221
13 Claims. (Cl. 217—72)



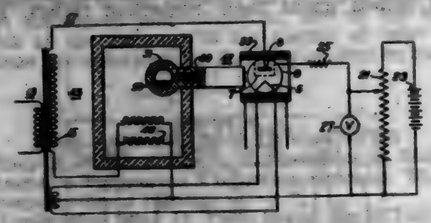
1. A cask comprising a metal cylinder, a container enclosed and compressed and maintained under compression by said cylinder, said container being composed of straight wooden staves having their outer surfaces transversely curved at a greater curvature than the curvature of the cylinder so that each stave has limited contact with the cylinder and heads suitably mounted in the container.

2,027,454
BITUMINOUS EMULSION
James B. Small, East Cleveland, Ohio, assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application May 26, 1933, Serial No. 673,112
6 Claims. (Cl. 134—1)

1. A bituminous emulsion, in which the emulsifying agent is a soap of rosin heat-treated at 500–600° F.

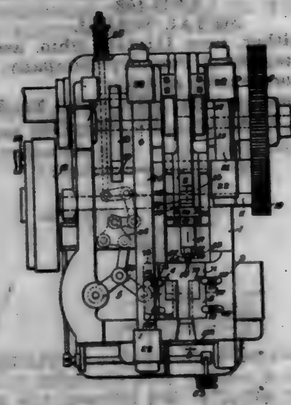
2,027,461
TEMPERATURE CONTROL APPARATUS
Lloyd Smeaton, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1933, Serial No. 695,626
9 Claims. (Cl. 219—20)

3. Temperature responsive apparatus comprising an evacuated container designed to be located within the influence of the region to be controlled, a plurality of principal electrodes in said container, a control electrode to cooperate with said principal electrodes, a vaporizable substance disposed in said container, a circuit incorporating said principal electrodes, temperature



regulating means in said principal electrodes circuit, said control electrode being at a predetermined potential.

2,027,466
FORGING MEANS
George Spatta, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application February 21, 1930, Serial No. 430,206
Renewed March 1, 1935
6 Claims. (Cl. 78—63)

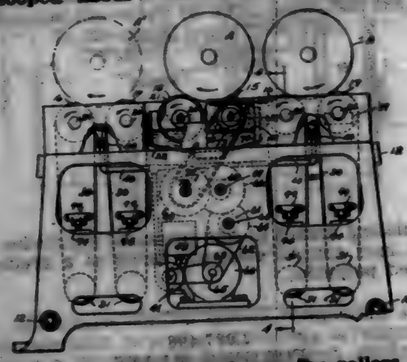


6. In a machine for upsetting flanges at the ends of the tubular arms of axle housings having central transverse openings, a stationary die means, a second die means movable against said first die means to clamp one end of said arms therebetween, a die member having punch means adapted to be moved into register with said die means to form a radial flange at the gripped end of said arm, and means spaced from the die means and engaging the defining wall of said opening to limit the position of said arm within said die means to gauge the distance from the center of the opening at which the radial flange will be formed, whereby each flange will be formed at a predetermined distance from the center of said opening.

2,027,497
APPARATUS FOR CLEANING ROLLS
Guido von Woborn, Dayton, Ohio, assignor to Oxford Varnish Corporation, Detroit, Mich., a corporation of Michigan
Application February 8, 1934, Serial No. 710,518
2 Claims. (Cl. 15—4)

1. A printing roll cleaning mechanism, comprising a frame, a pair of spaced rollers mounted

in said frame and arranged to simultaneously support a roll to be cleaned, each of said rollers being provided with a fabric belt, said belts being looped about their respective rollers, the



portion of the belts looped over the rollers supporting the roll to be cleaned, means to maintain said belts taut, means to rotate said rollers at different peripheral speeds, and means to apply a solvent to one of said belts.

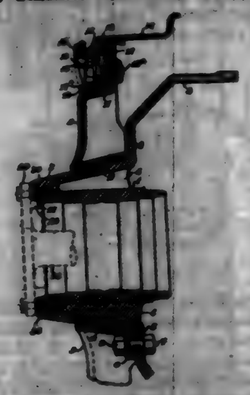
2,027,408

METAL WHEEL

George Walther, near Dayton, Ohio, assignor to The Dayton Steel Foundry Company, Dayton, Ohio, a corporation of Ohio

Application April 22, 1931, Serial No. 532,166

8 Claims. (Cl. 301—13)



1. A metal wheel comprising a hub and spokes, axially tapered seat portions on said spokes, said spokes having radially straight ends, an overhanging tire rim having a tapered edge, aiming wedge clamps between the tapered edge of the tire rim and the tapered seats on the spokes to support the rim, and means on said clamps for engagement with the straight sides of the spoke ends to guide the applying movements of the clamps to a true position in the plane of the wheel to support the rim in a plane at right angles to the axis of the wheel.

2,027,409

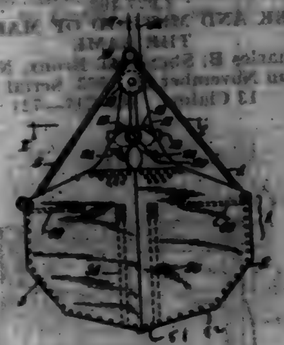
CLAM SHELL BUCKET

Francis H. Weeks and Richard B. Weeks, New York, N. Y.

Application May 23, 1932, Serial No. 614,164

4 Claims. (Cl. 37—144)

1. A clam shell bucket, comprising two opposed blades, each of said blades including a back portion, sides and a bottom, said sides and bottom terminating in digging edges, adapted to register with the digging edges of the opposed blade, and each of said blades including a diagonal bracing



member extending from adjacent the bottom digging edge of the said blade to the side of said blade.

2,027,410

FLUID CONTACTING APPARATUS

Horace M. Weir, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 24, 1933, Serial No. 672,345

3 Claims. (Cl. 210—124)



1. In apparatus for processing a fluid in which contacting of the fluid with a bed of solid particles is effected, means for supporting said bed of solid particles which comprise a layer of steel wool in contact with the lower surface of said bed, and supporting means for the layer aforesaid.

2,027,411

LENS MOUNT

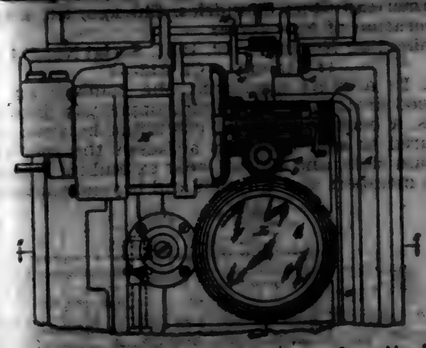
Lloyd E. Whittaker, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine

Application July 18, 1934, Serial No. 735,690

14 Claims. (Cl. 88—45)

1. A device of the character described, comprising, an apparatus structure, with a lens

master mount support fixed thereto, a master mount adjustable within said support and substantially coaxial thereto, an optical system fitting said master mount, and means for attaching said system to said master mount.



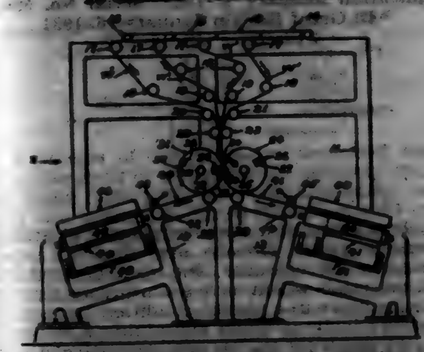
2,027,412

WEB CUTTING MECHANISM FOR PRINTING MACHINES

Adolph M. Zachermann, New York, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York; Irving Trust Company, permanent trustee

Application April 29, 1933, Serial No. 668,327

16 Claims. (Cl. 270—21)



1. In a mechanism for cutting a running web, means for severing it, in transit, into sheets of unequal lengths and full width of the web engaged by the said severing means, and means for forwarding the cut sheets of each length directly from the severing means to a different destination.

2,027,413

METHOD OF MAKING ELECTRICAL RESISTANCE ELEMENTS

Paul G. Ambrose, Indianapolis, Ind., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind., a corporation of Indiana

Application January 11, 1933, Serial No. 651,425

3 Claims. (Cl. 201—76)



1. A method of altering the resistance of an elongated resistance element including a metallic

462 O. G.—20

conductive oxide, which consists of placing adjacent the element a metallic member of high thermal and electrical conductivity shaped to cover a part of the element and to leave another part uncovered and subjecting one of the two parts of the element to the action of heat to reduce the resistance of the part subject to heat.

2,027,414

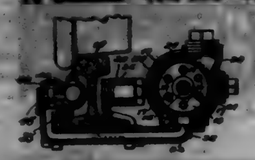
RAIL AND FLANGE LUBRICATOR

Sidney E. Haines, Chicago, Ill., assignor to Maintenance Equipment Company, Chicago, Ill., a corporation of Illinois

Application May 14, 1926, Serial No. 277,524

Renewed April 27, 1934

16 Claims. (Cl. 184—5)



1. A rail lubricating device comprising a container, means movable longitudinally within said container from opposite ends toward the center for ejecting grease therefrom, means actuated by a car wheel moving along the rail for actuating the last mentioned means, and an orifice in said container intermediate its ends.

2,027,415

UNITARY WIRE CONNECTER

Jasper Blackburn, Webster Groves, Mo.

Application May 30, 1925, Serial No. 32,499

7 Claims. (Cl. 173—263)



1. A unitary wire connecter, comprising in combination a bifurcate bolt having a medial wire receiving slot opening out thru one end, a hook within the slot of the bolt at the inner face of the extremity of one of the legs thereof, a nut threadable upon the legs of the bolt over the slot, a bearing lug rotatably anchored within the orifice of the nut and formed to slide within the slot of the bolt as the nut is turned thereon, and a loop on one face of the lug arranged to engage the hook of the bolt as the nut is unturned therefrom, whereby the nut and lug assembly may be withdrawn at the end of the bolt and swung aside for the admission or removal of wires.

2,027,416

ELECTRIC HEATING APPARATUS

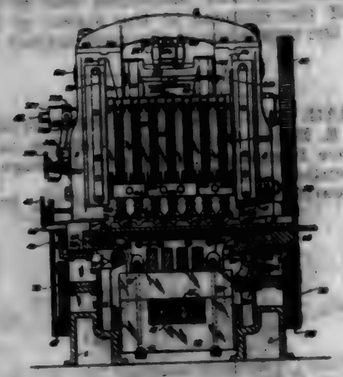
John R. Richeson, Willoughby, Ohio, assignor to The Ajax Manufacturing Company, Euclid, Ohio, a corporation of Ohio

Application May 19, 1932, Serial No. 612,379

12 Claims. (Cl. 219—11)

1. In an apparatus for electrically heating metal blanks, the combination of a plurality of pairs of electrodes, and means for presenting work blanks thereto in predetermined order and for causing the engagement of the electrodes with the work pieces, means for causing the supply of heating current to the electrodes during said

period of engagement, power means for actuating said engaging means and a safety mechanism for rendering the power means inactive com-



sequent upon irregular conditions occurring at the points of engagement between the work blanks and contactors.

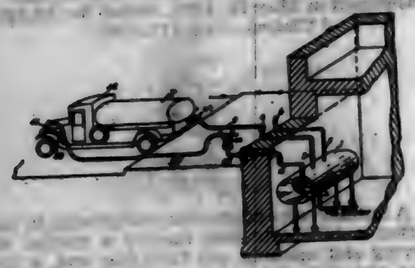
2,027,417

METHOD AND MEANS FOR INDICATING THE FLUID CONTENT OF A CONTAINER

Will N. Cherman, Philadelphia, Pa.

Application March 30, 1933, Serial No. 663,534

15 Claims. (Cl. 116—118)



1. Means for indicating to an operator engaged in replenishing the supply of fluid in a reservoir that the fluid in the said reservoir has reached a certain predetermined point which consists of the combination of a tubular element inserted into the said reservoir so that its free end is at the said predetermined point, a substantially air tight indicating chamber having its floor member attached to the other end of the said tubular means and positioned so as to be visible to the said operator, a valve positioned in the roof member of the said chamber, the said valve in its open position permitting communication of the said chamber with the atmosphere and preventing such communication in its closed position, a second valve positioned in the said roof member, tubular means having one of its ends connected to the said second valve and the other of its ends connected to the intake manifold of a gasoline motor, the said second valve being formed for permitting, in one of its positions communication between the said tubular means connecting the said second valve to the said intake manifold and the said indicating chamber, and for preventing such communication in its closed position.

2,027,436

DRAFT GEAR

Alfred E. Cushore, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application November 12, 1931, Serial No. 574,470

11 Claims. (Cl. 213—7)

1. In a draft appliance, the combination of spaced draft members having oppositely disposed slots, a backstop casting extending between and secured to said members adjacent the rear end of said slots, and a draft gear extending between said members and through and beyond said slots



and abutting said backstop casting, said backstop casting and draft gear having cooperating means preventing lateral displacement of said draft gear in said slots.

2,027,419

PRODUCTION OF ARTIFICIAL THREADS, FILAMENTS, RIBBONS, AND THE LIKE

Henry Dreyfus, London, England

Application January 7, 1932, Serial No. 585,379

In Great Britain January 16, 1931

7 Claims. (Cl. 18—54)



1. In a process for the manufacture of artificial filaments, yarns, ribbons and films of organic derivatives of cellulose, the step of stretching such materials which have a continuous structure and which are in a plastic condition by means of a moving body of liquid containing a solvent or swelling agent for the organic derivative of cellulose.

2,027,[illegible]

PROCESS FOR REMOVING WATER FROM VAPOROUS MIXTURES CONTAINING ALIPHATIC ANHYDRIDES

Henry Dreyfus, London, England

No Drawing. Application July 1, 1932, Serial No. 620,544. In Great Britain July 27, 1931

10 Claims. (Cl. 260—129)

1. Process for removing water from vaporous mixtures containing water and lower aliphatic anhydrides which comprises reacting under the action of heat said water in the vapor phase with a gaseous hydrocarbon.

2,027,421

VEHICLE BODY AND HOIST STRUCTURE

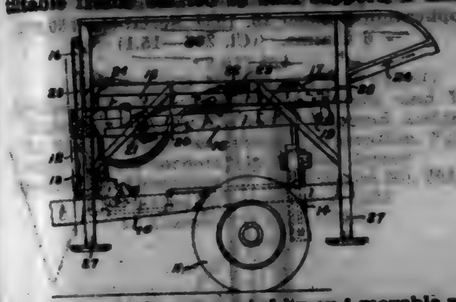
Charles G. Eisenberg, Jr., Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin

Application June 11, 1934, Serial No. 730,624

11 Claims. (Cl. 214—65)

1. In combination, a vehicle, a vertically movable support carried by said vehicle, a set of

hoists spaced apart longitudinally of the vehicle for elevating said support, the front hoist of said set being disposed higher than the rear hoist, a tiltable frame carried by said support, a tilting



hoist for said frame carried by and movable with said support, a carrier body detachably mountable upon said frame, and common power means for actuating all of said hoists.

2,027,423

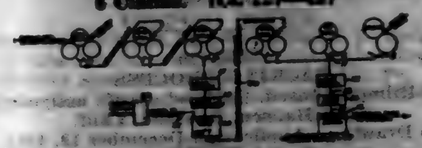
METHOD OF CLARIFYING SUGAR CANE JUICES

Francis Rivers Portier, Jeanerette, La., assignor of one-fifth to Frank G. Campbell, Arlington County, Va.

Application September 7, 1934, Serial No. 743,140

In Cuba September 4, 1934

6 Claims. (Cl. 127—42)



1. A process of the character described comprising the steps of collecting the primary juices from sugar cane mills into one apparatus, collecting the secondary juices from said mill into a secondary apparatus, subjecting said secondary juices to a treatment to effect quick precipitation, which treatment involves heating to a relatively high temperature and without decantation, quickly reducing the temperature of said secondary juices and delivering them with their precipitated and consolidated impurities back by and upon the bagasse mat and collecting said secondary juices for further clarification after they have been strained by passage through said mat, all in a continuous operation.

2,027,424

DOORCHECK

George W. Gardiner, Los Angeles, Calif.

Application June 29, 1934, Serial No. 733,916

7 Claims. (Cl. 16—84)



1. A door check including a body having two fluid chambers, a member adapted to be connected with a door to be moved with movement of the door, parts on the member movable in the chambers from initial positions adjacent the ends of the chambers, means for by-passing the fluid in the chambers through the said parts during the initial and intermediate portions of the movement of the member, means for bypassing the fluid past the said parts during the intermediate portion of movement of the member, and means for by-passing fluid from one chamber to the other during the final portion of the movement of the member.

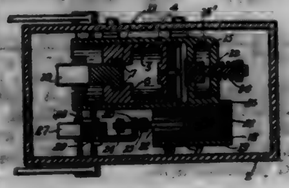
2,027,434

BRAKE RELEASE CONTROL MECHANISM FOR VEHICLES

Lester S. Gunderman, Pittsburgh, Pa., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application April 14, 1931, Serial No. 530,010

8 Claims. (Cl. 192—13)



1. In an apparatus of the class described, a cylinder having a piston therein, a fluid containing reservoir in which the cylinder is housed, a check valve which opens into the cylinder by means of which fluid may flow from the reservoir into the cylinder, means operably connecting the piston with the brake mechanism of a vehicle, means operatively connected with the clutch mechanism of a vehicle for controlling the escape of fluid from the cylinder back to the reservoir, said last-named means comprising a sleeve within the reservoir open at each end and having a port intermediate the ends thereof opening into the cylinder, and a reciprocating valve in the sleeve adapted to move back and forth across the port.

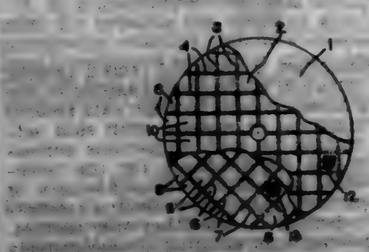
2,027,435

BUFFING WHEEL

Elisha Winthrop Hall, Scituate, Mass.

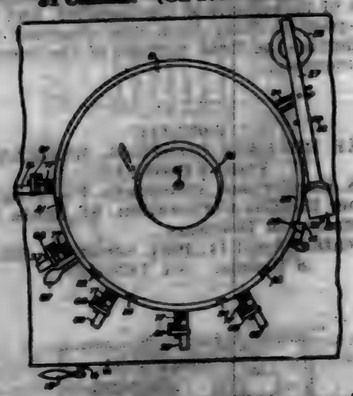
Application August 9, 1935, Serial No. 35,490

13 Claims. (Cl. 51—193)



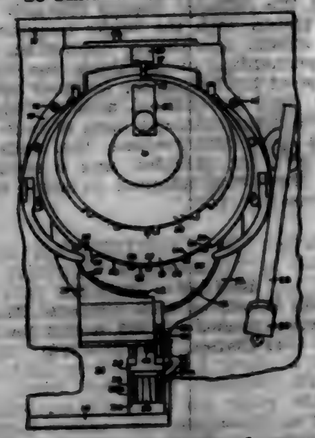
1. A buffing wheel comprising a plurality of contacting layers of fibrous buffing material firmly united at predetermined spaced intervals by a tenacious adhesive.

2,027,426
PHONOGRAPH CONTROL BY SOUND RECORD
John Hays Hammond, Jr., and Albert B. Tresser, Gloucester, Mass., assignors, by mesne assignments, to said John Hays Hammond, Jr.
Application June 20, 1933, Serial No. 619,118
21 Claims. (Cl. 179—100.4)



1. In a phonograph or the like, a sound record tablet of substantially circular form provided with notches on the periphery thereof and means cooperating with said notches for setting the controls of said phonograph.

2,027,427
REPEATING PHONOGRAPH
John Hays Hammond, Jr., Gloucester, Mass.
Application August 19, 1933, Serial No. 685,906
16 Claims. (Cl. 274—16)



12. In combination, a stack of record tablets, each having marginal projections adapted to engage a setting means, means to align said records with said projections in register with said setting means, certain of said projections corresponding to setting requirements for the selection on one side of said record and others of said projections corresponding to setting requirements of the selection on the other side thereof, a repeating phonograph adapted to successively play records from said stack, means to adjust the sound reproducing characteristics of said phonograph, and setting means adapted to be actuated by said projections for setting said adjusting means in accordance with the requirements of each record.

2,027,428
STERILIZING TOOTHBRUSH RECEPTACLE
Milton T. Hanke, Chicago, Ill., assignor to Margaret C. Hanke, Chicago, Ill.
Application October 20, 1934, Serial No. 749,473
6 Claims. (Cl. 206—15.1)



1. A sterilizing receptacle for articles to be dried and sterilized comprising a container having porous walls of unglazed ceramic material permitting the passage of moisture therethrough and an antiseptic material in communication with the interior of said container.

2,027,429
PACKING PROCESS
Carl Hilmer Hansen, Oakland, Calif., assignor to John Hansen, Oakland, Calif.
No Drawing. Application December 19, 1931, Serial No. 583,186
6 Claims. (Cl. 99—8)

8. The method of charging an evacuated container for dry packed commodities with a preserving gas which comprises depositing a predetermined amount of solidified carbon dioxide within the container with the commodity, subjecting the container to rapid evacuation, and immediately sealing the container in its evacuated condition before the solidified carbon dioxide has completely sublimed, the amount of solid carbon dioxide used and the duration of the evacuating operation being so proportioned and timed that sufficient unsublimed carbon dioxide will be left in the container after evacuation and sealing to produce a carbon dioxide gas under a greater than atmospheric pressure within the container.

2,027,430
CONTAINER
Carl Hilmer Hansen, Oakland, Calif.
Application October 17, 1932, Serial No. 638,324
4 Claims. (Cl. 220—66)



1. A container for foodstuffs packed by a vacuum and pressure process having a combined vacuum and pressure indicating flexible portion formed in a wall thereof, said indicating flexible portion being adapted to move freely into either one of two positions in response to pressure applied to one side thereof and having said inherent characteristics as to cause it to remain in either one of said two positions to which it is last moved until a predominating external pressure is applied to the other side thereof.

2,027,431
HEEL AND HEEL-SEAT FITTING
George Hamilton, Cyril Henry James, and William Isaac Bacon, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 23, 1932, Serial No. 648,730
In Great Britain July 1, 1932
12 Claims. (Cl. 36—34.5)



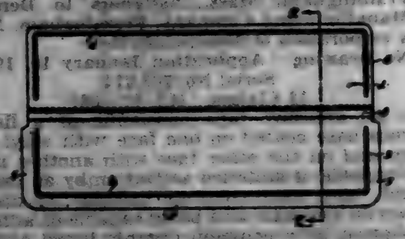
1. A heel having in its breast a groove which extends transversely of the heel and is positioned adjacent to the forward edge of the attaching face of the heel, said groove tapering in width and being constructed to receive the rear end of a short pole of a shoe to which the heel is to be attached.

2,027,432
VENDING DEVICE
Edwin Parker Hirst, Merchantville, N. J., assignor to Gus Marks and Simon Aron, trading as Novelty Sales Company, Philadelphia, Pa.
Application September 26, 1930, Serial No. 484,574
5 Claims. (Cl. 312—35)



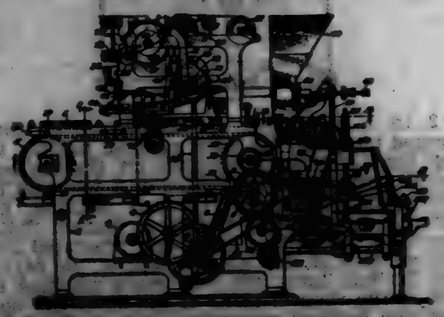
1. As an article of manufacture a dispensing device of the punch board type consisting of a body portion having a plurality of apertures formed therein; two spaced apart dividing strips of frangible material extending through the said body portion and dividing the said body portion into an upper portion having guiding apertures formed therein, a lower portion having guiding apertures formed therein, and a plurality of article receiving walls formed by the walls of the said apertures extending between the said dividing members and the surfaces of the said dividing members; a plurality of slanted channel dividing strips lacing out said portions formed therein bounding and enclosing the free edges of the said body member to form a single unitary structure; a plurality of pin apertures formed in the body member and registering with the cut out portions formed in the said strips; and a plurality of pin members, each of said pin members extending through one of the said cut out portions in the said binding strips and the said pin apertures in the said body member, the said pin members serving to bind the entire structure together.

2,027,433
GLARE SHIELD
Rex C. Jacobs, Detroit, Mich.
Application July 27, 1934, Serial No. 737,174
6 Claims. (Cl. 296—97)



1. A glare shield composed of a single piece of sheet metal folded upon itself, said sheet metal forming a tubular portion at its fold, the interior surface of said portion constituting a bearing surface the edges of one fold being reversely bent upon the edges of the other fold, and a soft material between said folds.

2,027,434
BAG MAKING AND FILLING MACHINE
Emil G. Jurgens and Hasan K. Becker, Chicago, Ill., assignors to Fetzer Machinery Co., Chicago, Ill., a corporation of Illinois
Application March 24, 1933, Serial No. 662,506
5 Claims. (Cl. 93—5)



1. In a machine of the class described, mechanism for twisting the necks of filled paper bags comprising cooating sets of V-shaped laminated jaws interleaved with each other, and means for causing said jaws to embrace the neck of a bag, move toward each other and to rotate.

2,027,435
ART OF STICKING BODIES
Ernest L. Kollender and Gardner R. Alden, Framingham, Mass., assignors to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
No Drawing. Application November 15, 1932, Serial No. 643,169
12 Claims. (Cl. 91—68)

1. In the art of sticking a body carrying a substantially dry coating comprising polymerized

vinyl ester resin and requiring the use of a moistening liquid to acquire tackiness, the step of controlling the tackiness which consists in applying to the coating a volatile moistening liquid containing a true solvent for the resin and an aliphatic hydrocarbon serving to restrain the true solvent action of said solvent on said resin.

2,027,430

ADHESIVE TAPE

Ernest L. Kallander and Gardner R. Alden, Framingham, Mass., assignors to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts

No Drawing. Application January 10, 1934, Serial No. 706,074

13 Claims. (Cl. 91—68)

1. An adhesive tape consisting of a flexible fibrous base coated on one face with vinyl ester resin and on the other face with another material capable of adhesive activation by an organic liquid, both said coatings existing as distinct layers on said base and being capable of adhesive activation by a common organic liquid and capable of adhering firmly to each other when thus activated but said coatings being substantially without tackiness prior to such activation.

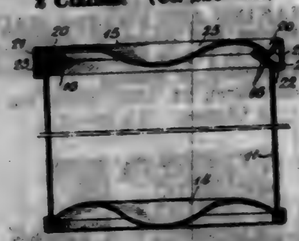
2,027,431

PRESERVING CAN

Heinrich Karl, Jersey City, N. J.

Application July 12, 1933, Serial No. 624,219

2 Claims. (Cl. 220—66)



2. In a preserving can consisting of three formed pieces of the same material namely, the can body, the bottom and the lid, the can body united with the lid by means of a fold and the latter made hermetic through packing and through compression, the lid so shaped that a free space is obtained but locally separated from the contents of the can, one wall of the part of the lid that limits said free space reaching inside of the vertical plane of the outer can body wall and inclined upwardly and inwardly, forming thereby the lower wall of said free space, and said free space being annular and free from obstructing objects and of such depth and position as to permit a cutting tool to penetrate deep enough for severing the lid along said free space and thus preventing the falling of metal particles into the contents of the can or the mixing of the latter with said metal particles at the removal of the lid and a guide channel on top of the can for guiding the cutting tool along said free space.

2,027,432

SANITARY PRESERVING CAN

Heinrich Karl, Jersey City, N. J.

Application September 12, 1933, Serial No. 689,423

8 Claims. (Cl. 220—57)

1. In a preserving can, a body having an open end, a closure for said end, and a flexible contractile inner cover for said end having its peripheral portion resting upon the edge of the body surrounding said end and interposed between said edge and said closure, said cover having concentric depressions forming means for gripping



and contracting the same and also constituting recesses for receiving cuttings from said closure when the latter is being cut open along a line whose vertical plane lies inside said open end.

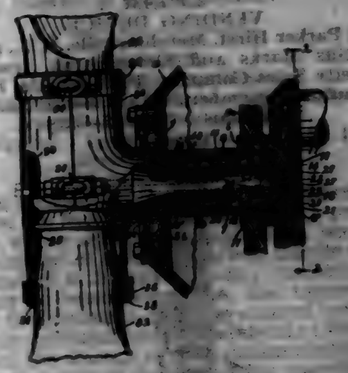
2,027,439

PROPELLER MOUNTING MECHANISM

Frank A. King, Los Angeles, Calif.

Application March 9, 1934, Serial No. 714,816

25 Claims. (Cl. 170—173)



1. In a propeller mounting the combination of: a crank shaft having a splined socket, a blade supporting member provided with a corresponding splined shank engaging said socket, screw means securing said shank in said socket, the screw means being provided with a second socket, and a screw locking means arranged to be actuated through the medium of said second socket.

2,027,440

PROCESS FOR THE MANUFACTURE OF ZINC SULPHIDE

Samuel Kryger, New York, N. Y.

No Drawing. Application May 18, 1931, Serial No. 538,945

10 Claims. (Cl. 23—125)

1. The process for the manufacture of zinc sulphide comprising heating an intimate mixture of a zinc ore, amalgam with sulphur until the reaction is completed, distilling off the mercury, and heating the residue until all the mercury sulphide, if formed, is driven off from the zinc sulphide.

2,027,441

ORNAMENTATION FOR BAGS

Aaron Landis, New York, N. Y.

Application November 22, 1933, Serial No. 699,242

17 Claims. (Cl. 41—24)



1. An ornament and a device for removably securing the ornament to bags made of leather or similar bag material, said device including a plate, means for securing the plate in position on an outer surface of the bag, the plate having an extension turned back over the plate and forming a resilient prong, and said ornament having a portion providing a passage of a width to receive the prong therewithin and the portion then being snugly clamped between the prong and the plate, the prong, plate and portion cooperating to retain the ornament seated upon the bag in a predetermined relation.

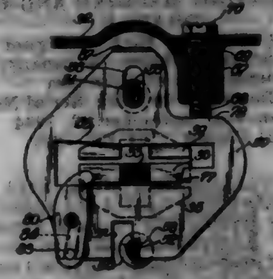
2,027,442

TRANSMISSION

Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Application May 29, 1933, Serial No. 673,377

18 Claims. (Cl. 74—475)



1. In a selective transmission, a shiftable member optionally movable to a plurality of positions normally providing progressively varying driving ratios, means limiting the selection to any one of a group consisting of a limited number of less than all of said positions, and means actuated by the selection of certain of said limited number of positions for shifting said first means to provide for the selection of positions outside said group.

2,027,443

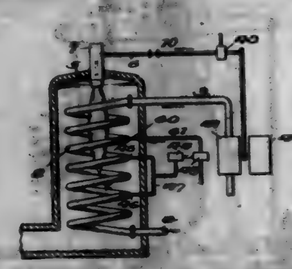
STEAM GENERATOR OF THE WATER TUBE TYPE

Arthur Lieberherr, Winterthur, Switzerland, assignor to Sulzer Freres Societé Anonyme, Winterthur, Switzerland

Original application December 22, 1930, Serial No. 504,281. Divided and this application August 29, 1935, Serial No. 38,456

4 Claims. (Cl. 122—448)

1. A steam generator, comprising at least one tube for the working medium, means for heating said tube, a pump for supplying fuel to said heating means, a pump for supplying working medium to said tube, the two pumps being driven by the same means, and a pump for supplying auxiliary working medium to said tube on occasion, and a single instrumentality for controlling, independently of vaporisation zones, the speed of said auxiliary pump by the temperature, only, at that point in the tube system where under normal conditions the working medium first begins to change from saturated to superheated steam.



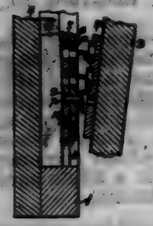
2,027,444

SCORING AND PUNCHING DEVICE FOR LOOSE LEAF COVERS

Sidney D. Light, Royal Oak, Mich.

Application May 29, 1934, Serial No. 728,141

5 Claims. (Cl. 164—98)



1. An arrangement of the character described comprising a press having two relatively movable platens, a plate secured upon each platen so that said plates are opposed to one another, the plates having a plurality of parallel and opposed projections and grooves formed upon their coacting faces in registering pairs to form score marks in a cover to act as guides in folding the latter, in combination with means carried by said plates for simultaneously forming through the cover pairs of openings in transverse alignment so that each pair is in registry when the cover is folded along the score marks, said openings being adapted to receive pins by which leaves are retained between portions of the cover when folded along the score marks.

2,027,445

MACHINE FOR OPERATING UPON SHEET MATERIAL

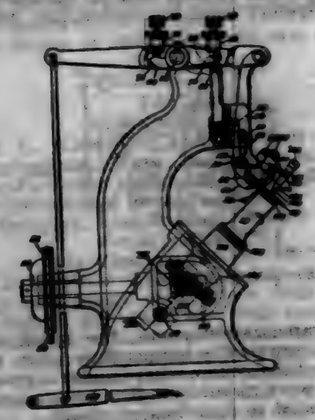
Lester E. Macdonald, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application December 15, 1932, Serial No. 647,423

42 Claims. (Cl. 12—33)

1. That method of assembling the tongue and the vamp of an upper which consists in applying

adhesive to the surfaces to be united, arranging certain points in said surfaces in correct relation to each other and then progressively applying



even, uniform and uninterrupted rolling pressure to the parts to effect a bond therebetween.

2,027,445

PROCESS FOR PREPARING GONAD STIMULATING HORMONE

Arthur E. Meyer, Rockford, Ill., assignor to Chappel Bros. Inc., Rockford, Ill., a corporation of Delaware

No Drawing. Application January 29, 1934, Serial No. 708,233

9 Claims. (Cl. 167—74)

1. In the process for obtaining the alcohol and acetone insoluble pituitary gonad stimulating hormones from animal tissue containing the same, the step which comprises extracting the said material with a dilute aqueous solution of a lower aliphatic alcohol.

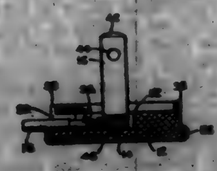
2,027,447

ELECTRIC PLUG

Paul Percy, New Rochelle, N. Y.

Application June 7, 1933, Serial No. 674,662

4 Claims. (Cl. 173—361)



1. A prong for an electrical contact plug, said prong comprising a generally L-shaped strip of metal the long arm of which acts as a contact pin and the short arm of which acts as a base, said prong being provided at the base with a pair of opposed notches for receiving a flexible conductor wrapped thereabout, and a locking finger formed integrally with and bent upwardly from the base of the prong at one side thereof and adapted to be forced downwardly upon said flexible conductor in order to lock the same in the notches.

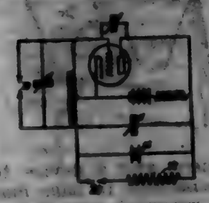
2,027,448

CRYSTAL CONTROLLED OSCILLATOR

Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application March 21, 1927, Serial No. 176,577

9 Claims. (Cl. 250—36)



1. The combination of a vacuum tube oscillation generator having a filament, grid and plate, a first means to augment the inherent capacity between said plate and said grid, auxiliary means to neutralize said augmented capacity, and piezoelectric means connected in parallel with a portion of said last mentioned means.

5. An oscillation generator comprising the combination of an electron discharge device having an anode, a cathode and a grid, high frequency circuits interconnecting said anode, grid and cathode electrodes, a two electrode piezoelectric crystal connected to a pair of said electrodes for frequency stabilizing the frequency of oscillations generated by said device and, a two electrode spark gap connected across said piezoelectric crystal.

2,027,449

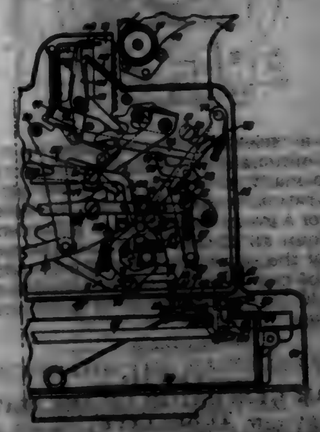
CALCULATING MACHINE AND CASH DRAWER

Ernest Race, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan

Application December 20, 1930, Serial No. 503,630

Renewed November 23, 1934

21 Claims. (Cl. 235—63)



1. In combination, a calculating machine having a register and means for taking a total therefrom, a cash drawer movably front closed to open position and vice versa, and means acting to automatically open said cash drawer when a total is taken on said machine, said means having provisions for preventing the opening of the cash drawer when a total is taken with the register clear.

2,027,450

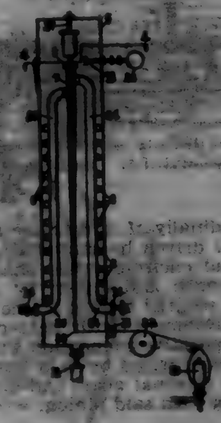
PRODUCTION OF ARTIFICIAL SILK AND SIMILAR PRODUCTS

Robert Pierce Roberts and Edgar Davis Johnson, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application March 5, 1932, Serial No. 597,599

In Great Britain April 4, 1932

15 Claims. (Cl. 18—8)



10. Apparatus for the production of artificial filaments, threads and the like by dry spinning processes, comprising a spinning cell or chamber, a jet in said chamber, means for passing through the cell or chamber evaporative medium in countercurrent to the direction of extrusion, and means for producing a convection current of evaporative medium drawn from a source external to the spinning machine and introducing it into the vicinity of the spinning jet.

2,027,451

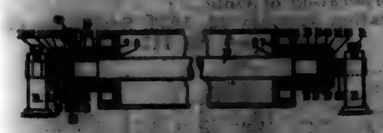
MEANS FOR CONVEYING MATERIALS IN THE FORM OF LONG WEBS OR SHEETS

James Henry Rooney and Robert John Ward, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application April 6, 1934, Serial No. 719,430

In Great Britain April 26, 1933

6 Claims. (Cl. 308—20)



1. In apparatus for conveying material in the form of long webs or sheets, a freely rotatable roller adapted to forward the material, a rotatable driving member arranged co-axially with said roller, and a plurality of rolling members interposed between said driving member and said roller, and adapted on rotation of said driving member to roll and thereby to provide for the transmission of a non-positive drive to said roller so as to permit the peripheral speed of the roller to adjust itself automatically to the rate at which the material is delivered to the roller.

2,027,452

GOLF CLUB

Gunner Rosing, Chicago, Ill.

Application May 16, 1934, Serial No. 726,351

2 Claims. (Cl. 273—79)



1. A golf club having a shaft, a head mounted thereon adjustable relative to said shaft, and means providing said adjustability comprising a pair of spacing rings of wedge shaped formation interposed between said head and the adjacent end of said shaft.

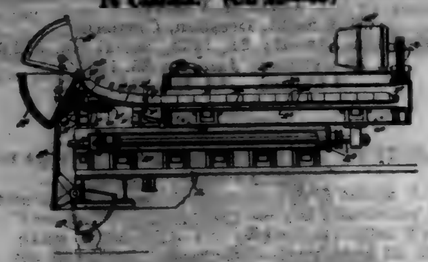
2,027,453

CENTRIFUGAL PIPE CASTING APPARATUS

Norman F. S. Russell and Frederick C. Langenberg, Edgewater Park, N. J., assignors to United States Pipe and Foundry Company, Burlington, N. J., a corporation of New Jersey

Application November 3, 1934, Serial No. 751,318

16 Claims. (Cl. 22—45)



1. In centrifugal pipe casting apparatus comprising a rotatable mold, a conduit for the delivery of molten metal extending into the mold, a ladle adapted to contain and deliver molten metal located in front of and at a higher level than the mold, the combination therewith of an inclined chute adapted to receive the metal from the ladle and deliver it to the conduit entering the mold, which chute is formed with a bottom contour which, at approximately the point where the metal from the ladle first contacts with the chute, is inclined to the vertical at an angle not exceeding 30° and which is continued as a geometric curve of progressively decreasing curvature having at its upper end a tangent coinciding in angular inclination with the angular inclination of the chute at the point of impact of the metal and having at the lower end of the curve an approximately horizontal tangent.

2,027,454

TUFTING ATTACHMENT FOR SEWING MACHINES

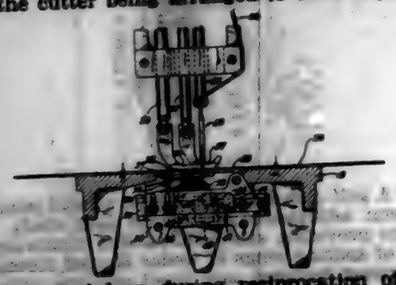
William F. Schmidtsdorf, Oshkosh, Wis., assignor to Deltex Rug Company, Oshkosh, Wis., a corporation of Wisconsin

Application May 5, 1934, Serial No. 724,194

9 Claims. (Cl. 112—79)

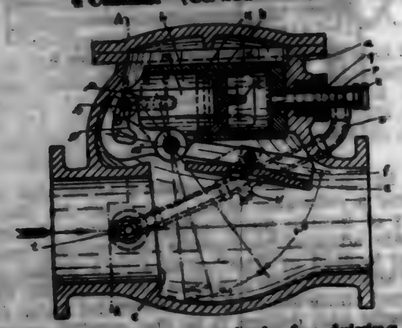
1. A tufting attachment mechanism for sewing machines having a reciprocating needle for pene-

trating a fabric and carrying a strand which is passed through the fabric by the needle, comprising a transversely reciprocal frame positioned below the fabric and carrying a looper arm and a cutter adjacent an edge portion of the looper arm, the looper arm being arranged to engage the strand to form loops below the fabric, means for reciprocating the needle and the frame member, the cutter being arranged to sever a previ-



ously formed loop during reciprocation of the frame while another loop is being formed and engaged on the looper arm, and rectilinearly reciprocating means independent of the looper for engaging a portion of the yarn of a loop during reciprocations of the frame member and the needle and for releasing it during other reciprocations of the frame member and needle.

2,027,455
CHECK VALVE
Max Seibt, Dresden, Germany
Application January 21, 1933, Serial No. 652,877
In Germany January 25, 1932
4 Claims. (Cl. 251—124)



1. A check valve, particularly for driving centrifugal pumps, comprising a casing having an inlet and an outlet, a cylinder connected with said casing, a movable piston within said cylinder, an oscillatable flap adapted to close said inlet, means operatively connecting said flap with said piston, a pipe having one end connected to said casing adjacent to said inlet and another end leading into the interior of said cylinder, and a mandrel carried by said piston and adapted to close the second-mentioned end of said pipe.

2,027,456
MINING MACHINE
William W. Sleane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 2, 1933, Serial No. 659,532
Renewed April 25, 1925
21 Claims. (Cl. 262—23)

1. In a mining machine, a support, cutting mechanism carried thereby including a motor, a frame member disposed forwardly of said motor, a cutter frame carried by said frame member for rotatable movement with respect thereto about an axis disposed longitudinally of said frame member and having a cutter bar projecting therefrom carrying a cutter chain for movement thereabout, means driven by said motor for driving said cutter chain about said cutter bar comprising a shaft extending longitudinally of said frame member, and means driven by said motor for rotating said cutter frame about an axis dis-



posed longitudinally of said frame member comprising a gear driven by said shaft, a sleeve coaxial with and encircling said shaft for a portion of its length and driven by said gear, an internal gear secured to said frame member and held from movement with respect thereto, a cage having operative connection with said cutter frame, a pinion carried by said cage and meshing with said internal gear, and a gear on said sleeve meshing with said pinion.

2,027,457
CORN COB PIPE AND METHOD OF MAKING SAME
Reg M. Strutz and Edwin J. Steffenson, Beaverville, Ills.
Application December 2, 1924, Serial No. 753,452
3 Claims. (Cl. 12—59)



3. A pipe comprising a solidified plastic exterior portion, and a cob bowl compressed in said exterior portion.

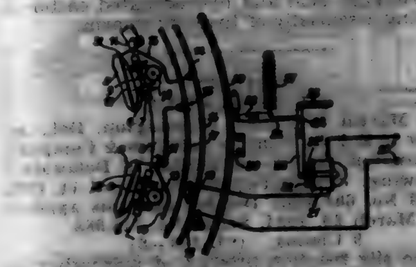
2,027,458
THERMOSTATIC VALVE
Edmund J. Te Pas, Rocky River, Ohio, assignor to The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio
Application January 12, 1933, Serial No. 651,907
7 Claims. (Cl. 137—161)



1. A valve device to control the flow of one fluid by temperature conditions of a second fluid,

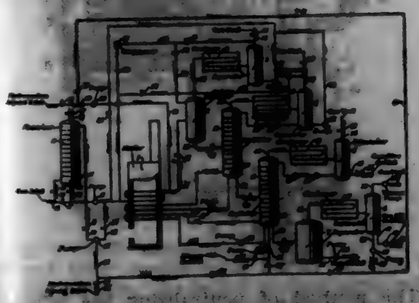
including a first passageway for conducting said first fluid, two valve elements in said passageway normally open and adapted to close the same, one of said valves when moved to closed position adapted to move the other to open position, means responsive to temperature changes for controlling the closing of one of the valves when the other valve is in open position, and a second passageway for conducting the second fluid adjacent said responsive means.

2,027,459
CIRCULAR LOOM
Robert Fenden, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application August 8, 1934, Serial No. 738,892
In Great Britain August 21, 1933
10 Claims. (Cl. 139—13)



1. In a circular loom, latch mechanism adapted on release to stop weaving by bringing to an end relative circular motion between the weft inserting means and the warp threads, an electric circuit, electrical latch releasing means included in and actuated by said circuit, means adapted to detect jamming of the warp threads, and contacts in said circuit adapted to be operated on actuation of said detecting means so as to actuate the latch releasing means through said circuit.

2,027,460
NATURAL GAS CONVERSION PROCESS
Malcolm P. Yonker, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Application September 11, 1930, Serial No. 481,318
22 Claims. (Cl. 196—9)



19. A process for the conversion of normally gaseous hydrocarbons to normally liquid hydrocarbons which comprises flowing a stream of said gaseous hydrocarbons through a tube under high pressure, heating said stream during passage through said tube to a temperature in excess of 750° F. whereby some of said gaseous hydrocarbons will be converted to liquid hydrocarbons, and adding hydrocarbon oil to said stream of gaseous hydrocarbons after said stream has been heated and prior to substantial reduction of said pressure under which said stream is held subsequent to said addition of oil.

2,027,461
WIPER FOR ADHESIVE-APPLYING IMPLEMENTS
Donald R. Andersen, Wausau, Wis.
Application March 13, 1934, Serial No. 715,248
1 Claim. (Cl. 91—58)

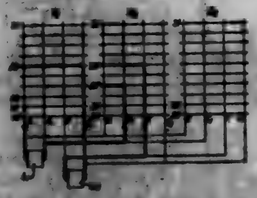


Means for removing surplus adhesive from a coated tape passing through a coating tank, said means comprising an upright wiper plate secured rigidly in the tank, a second wiper plate having one edge rolled to form a bead, a pintle rod held by the walls of the tank and passing through the bead of said wiper plate, and a spring having one end engaged with the wall of the tank and its opposite end bearing upon the last-mentioned wiper plate whereby said plate will be yieldably held toward the stationary wiper plate, the coated tape passing between adjacent opposed edges of the two wiper plates.

2,027,462
STABILIZING GUM FORMING PETROLEUM PRODUCT
Eugene Ayres, Swarthmore, and Mark L. Hill, Yeadon, Pa., assignors to Gulf Refining Company, Pittsburgh, Pa., a corporation of Texas
No Drawing. Application December 13, 1932, Serial No. 647,979
7 Claims. (Cl. 44—9)

1. A cracked gasoline containing a small proportion of a crude condensation product formed by reaction of di-alpha naphthylamine with cresol.

2,027,463
TELEPHONE SYSTEM
Henry Melvin Bascom, Brooklyn, and Otto Albert Friend, New York, N. Y., assignors to American Telephone and Telegraph Company, a corporation of New York
Application October 7, 1933, Serial No. 692,676
14 Claims. (Cl. 179—22)



1. In a telephone system, a cross-bar switch, lines appearing in groups in separate sections of said switch, links having a calling branch and a called branch appearing in each section of said

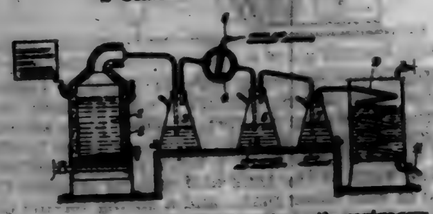
switch, means for connecting a calling line to a called line through an idle link with the calling line connected directly to a calling branch of said link and the called line connected directly to a called branch of said link at two connecting points only of said switch, and means for originating one call through said switch before another is completed, and means for preventing interference in said switch between calls in progress at the same time.

2,027,464

PROCESS OF CRACKING TAR AND BITUMINOUS SCHIST OILS WITH RECOVERY OF BY-PRODUCTS

Louis Boulanger, Brussels, and Ferdinand Rassam, Leuzmel, Belgium

Application January 10, 1934, Serial No. 706,113
In Great Britain August 4, 1932
2 Claims. (Cl. 196—61)



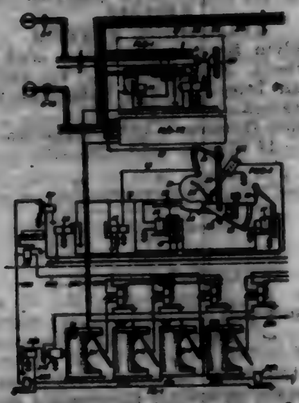
1. In a process of cracking tar oils, primary oils of low temperature distillation of coal, or bituminous schist oils, which consists in oxidizing the oils by diluted ozone, washing said oils in lime-water and treating same in a dehydrator, vaporizing said oils in a retort and superheating the resulting vapors at a temperature above 800° C., condensing the major portion of the phenols from the vapors, mixing the vapors thoroughly with ozone and nitrogen monoxide, leading said vapors into lime-water and magnesia, thence through a solution of potassium hydroxide to retain the remaining phenols, and collecting the benzol by condensation.

2,027,465

TELEPHONE SYSTEM

Roy M. Brasellon, Chicago, Ill., assignor to American Telephone and Telegraph Company, a corporation of New York

Application February 7, 1933, Serial No. 655,670
20 Claims. (Cl. 179—18)



1. In combination, a plurality of automatic switches, a distributer switch comprising a stepping magnet and a plurality of banks of terminals, normally open circuits one for each of the operating magnets of said automatic switches, each of said circuits including a different one of said terminals, and means comprising a relay individual to each of said banks for operatively completing said circuits one at a time.

2,027,466

COMPOSITION CONTAINING CASTOR OIL DERIVATIVE

Merlin Martin Brubaker, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 11, 1933, Serial No. 665,695
3 Claims. (Cl. 134—36)

1. A composition of matter comprising a cellulose derivative and the oily reaction product of polycarboxylic acid and hydrogenated castor oil consisting essentially of hydroxy stearin.

2,027,467

OIL DERIVATIVE

Merlin Martin Brubaker, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application April 11, 1933, Serial No. 665,695. Divided and this application March 23, 1934, Serial No. 716,942
9 Claims. (Cl. 260—6)

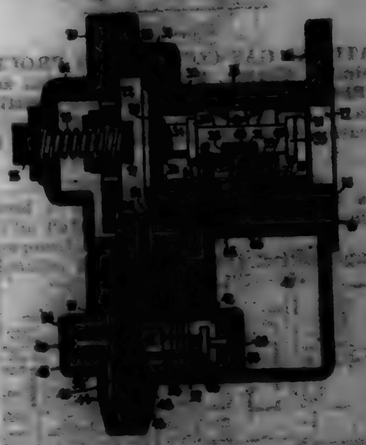
1. The oily reaction product of polycarboxylic acid and hydrogenated castor oil consisting essentially of hydroxy stearin.

2,027,468

AIR BRAKE

Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey

Application June 9, 1933, Serial No. 675,523
31 Claims. (Cl. 303—85)



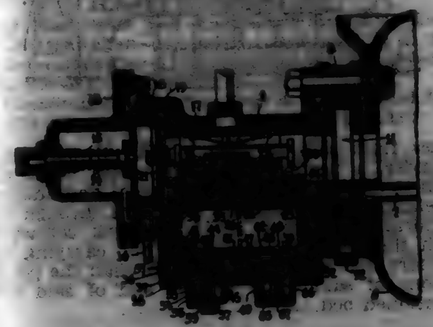
1. The method of neutralizing the effect of pressure differentials between the charged pressures of the auxiliary reservoirs of automatic air brake units connected in a train by a brake pipe, such differentials being occasioned by leakage under running conditions; which consists in initiating a service application by establishing throughout the brake pipe a substantially uniform lowered pressure and temporarily restricting the flow of auxiliary reservoir air to the brake cylinders to less than the normal service rate for timed periods approximately proportional directly to the differentials between each initial auxiliary reservoir pressure and such lowered pressure.

2,027,469

AIR BRAKE

Charles A. Campbell, Watertown, N. Y., and Parker Dodge, Chevy Chase, Md., assignors to The New York Air Brake Company, a corporation of New Jersey

Application February 27, 1933, Serial No. 658,552
15 Claims. (Cl. 303—36)



1. The method of controlling the development of pressure in a brake cylinder, which consists in controlling the rate of flow of air to the brake cylinder in response to the rise and subsequent fall of pressure in a chamber which is first gradually charged and then gradually discharged, and controlling the change from such charge to such discharge in response to the development of pressure in the brake cylinder.

2,027,470

DENTIST'S TOOTH EXTRACTING IMPLEMENT

Sanit T. Carnes, Ardmore, Pa.

Application January 4, 1934, Serial No. 705,873
10 Claims. (Cl. 32—61)



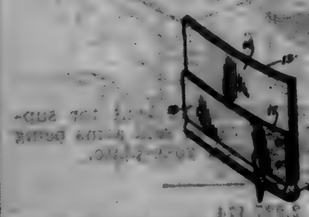
1. In a tooth extracting instrument, an instrument body including a barrel portion and a handle portion, the barrel portion terminating in lateral guides, a slide operative in the guides, extracting gripping jaws operatively carried by the slide, means for adjusting the jaws toward and from each other for gripping and releasing a tooth, and means associated with the handle and the barrel and operatively connected to the slide for moving the latter for urging an extracting seated on the jaws, said barrel having a swiveled end section, the terminal of which carries the guides for the slide, the swiveled end section adapted to be adjusted swivelly for positioning the gripping jaws downwardly or upwardly for extracting lower or upper teeth, and means for holding the swivel end section in its adjusted positions.

2,027,471

NONPERVIOUS SWEAT BAND CONSTRUCTION FOR HATS

Arthur C. Cason, Norfolk, Va.

Application April 27, 1934, Serial No. 723,796
4 Claims. (Cl. 2—181)



1. Non-pervious sweat band construction for hats comprising in combination, a molded strip of sweat-proof material having inner and outer flaps lying side by side and an integral bead, solid in cross section, from which said flaps emanate, the inner flap being wider than the outer flap, and a sweat leather cemented to the inner side of said inner flap, the outer flap being securable to a hat.

2,027,472

SEWING MACHINE MATERIAL GUIDE

Arthur Colbert, Santa Monica, Calif.

Application November 6, 1933, Serial No. 696,529
3 Claims. (Cl. 112—9)



1. In a device of the class described, a pair of guide members about which material is adapted to be looped, and between which said material is adapted to be stitched, a loop connecting said members on one end of said device, and a pair of inturned normally spaced apart ends on said members at the other end of said device.

2,027,473

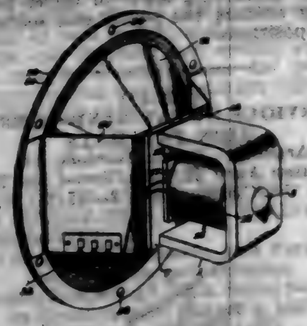
LOUD SPEAKER

Frederick L. Creager, Marshallville, and M. Lee McElhinney, Camden, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application January 30, 1932, Serial No. 589,824
4 Claims. (Cl. 179—115.5)

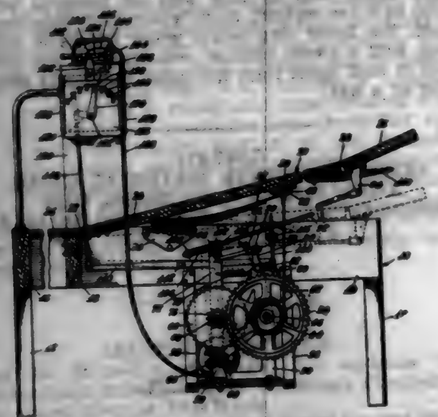
1. In a sound translating device of the dynamic type, a yoke of magnetic material comprising a central pole piece and an outer pole structure on either side of said central pole piece, and a yoke plate comprising a single flat piece of metal having a central opening adapted to

form with said central pole piece an annular air gap, said plate being united with said outer pole structure by fusion of magnetic material and



having integral arms outwardly bent for supporting an acoustic diaphragm, said arms being substantially as wide as said yoke-plate.

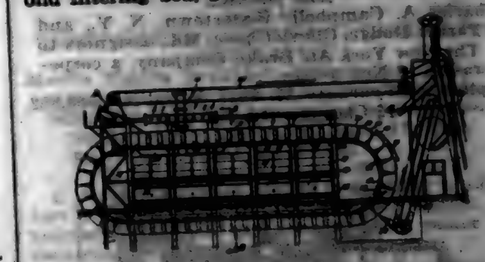
2,027,474
DIVING APPARATUS
Elmer C. Dean, Frankfort, Ind.
Application June 26, 1934, Serial No. 732,533
9 Claims. (Cl. 272—56)



1. A diver's apparatus comprising a runway movably connected with a fixed support, spring means yieldingly resisting movement of the runway in one direction, means for moving adn holding the runway in various shifted positions against the tension of said spring means, and a mechanism operatively connected with said means and actuated by the weight of a diver stepping thereon for releasing said means and freeing the runway, to throw the diver.

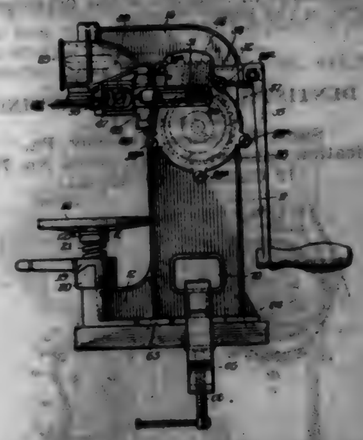
2,027,475
APPARATUS FOR THE PURIFICATION OF WATER
Pierre René Girard, Paris, France, assignor to Société d'Etudes pour l'Epuration des Eaux "Procédés G. et R.", Paris, France, a company of France
Application August 25, 1934, Serial No. 741,500
In France September 2, 1933
4 Claims. (Cl. 210—196)

1. An apparatus for clarifying water which comprises, in combination, at least two filtering beds disposed above one another so that water is caused to flow successively therethrough, means for continuously moving the upper bed with a translatory motion with respect to the second bed, an inclined perforated hollow cylinder adapted to rotate in a continuous manner, means for feeding the matter of the upper filtering bed into said cylinder after its passage over the second filtering bed, a furnace, means for causing



gases from said furnace to flow through said cylinder, a perforated sorting drum connected with the outlet end of said cylinder and adapted to eliminate the matters that pass through the perforations thereof, and a conveyor connected with the outlet of said drum for carrying the matters that have not passed through the perforations of said drum to the end of said first mentioned bed.

2,027,476
CAN SEALING MACHINE
Samuel G. Gamlins, River Forest, Ill., assignor to James P. Dowell, McKinney, Tex.
Application January 7, 1933, Serial No. 650,225
10 Claims. (Cl. 113—23)



1. In a portable can sealing machine the combination of a base, a base plate mounted on said base, a frame member, a removable chuck member mounted above said base plate, said chuck member including a spindle, a pair of spaced bearings to receive said spindle, a gear mounted between said bearings and adapted to rotate said spindle, a sleeve member mounted in one of said bearings and extending into the center of said gear.

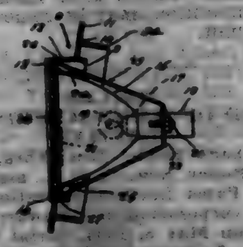
4. In a portable can sealing machine the combination of a base, a base plate mounted on said base, a frame extending upwardly from said base, a head member mounted on said frame, a removable chuck plate mounted on said head mem-

ber above said base plate, arm members pivotally mounted on said frame member and capable of horizontal movement but not vertical movement in relation thereto, seaming rollers mounted on said arm members, means for permitting vertical adjustment of said seaming rollers both upwardly and downwardly to compensate for inaccuracies in the manufacture of said arm members and their associated parts and means for driving said chuck plate and forcing said seaming rollers into engagement with a can flange.

2,027,477
PROCESS FOR THE MANUFACTURE OF ALKALI DICHROMATE
Ernst Hachbefer and Annemarie Berther, Krefeld-Uerdingen, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application July 3, 1933, Serial No. 678,952. In Germany September 17, 1932
17 Claims. (Cl. 23—56)

1. Process for the manufacture of alkali dichromate which comprises reacting with carbonic acid under superatmospheric pressure on alkali monochromate solution at a temperature of at least 50° C., cooling down the solution during the reaction and separating the alkali bicarbonate from the alkali dichromate.

2,027,478
HUB LAMP
Beverly Shaw Hamer, Austin, Tex.
Application August 13, 1934, Serial No. 739,654
1 Claim. (Cl. 240—8.12)



A hub lamp comprising a hub cap, including a cover part, a tubular member extending through the cover part and having a portion located in the cap and another portion projecting from the cap, the distance of the outer end of the last mentioned portion from the outer face of the cover portion gradually increasing from the bottom of said last mentioned portion to the top thereof, a transparent member in the outer end of the tubular portion, a reflector and bulb assembly mounted behind the transparent member and supported from the tubular part, and the supporting means including a yoke having hook extremities and the tubular member having holes therein receiving said extremities, and spring members carried by the yoke and engaging the reflector.

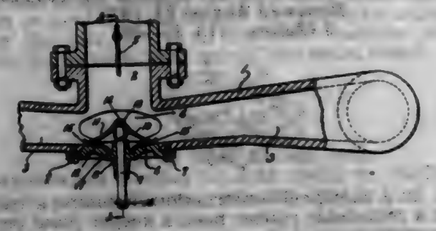
2,027,479
ROOT HARVESTING MACHINE
Georg Rendel, Bedeau, Ontario, Canada
Application January 11, 1935, Serial No. 1,291
In Canada January 13, 1934
9 Claims. (Cl. 23—123)

1. A root harvester including main and auxiliary chutes in inclined co-operating relationship, the auxiliary chute having a receiving end operative in working relationship with the ground, an endless conveyor mounted for travel through the main chute, a plurality of root engaging elements at intervals on the conveyor, said conveyor being arranged to bring the root engaging elements into working relationship with the ground and the auxiliary chute, soil working



knives carried by the auxiliary chute and located in advance of the receiving end thereof, means for effecting adjustment of the conveyor and auxiliary chute relative to their working relationship with the ground, and means for driving the conveyor, said means being operative from the traction of the harvester as a source of power.

2,027,480
MANIFOLD
Frank B. Higley, Cleveland Heights, Ohio
Application April 12, 1934, Serial No. 720,162
19 Claims. (Cl. 128—141)



1. In a manifold for the purpose described and having a master passage and a plurality of distributing passages leading divergently from a base part thereof, means located at said base part for separating liquid particles from a generally gaseous mixture fed through said master passage, means for collecting some of said particles and rotary means for delivering the accumulated liquid to said distributing passages at the will of the operator.

2,027,481
PERCOLATOR
Samuel W. Ireland, Atlantic City, N. J.
Application April 19, 1935, Serial No. 16,679
1 Claim. (Cl. 53—3)

A percolator of the character described, comprising a lower vessel designed for heat exchange relationship to a source of heat, an upper vessel having a portion arranged to seat in an opening in the lower vessel, a gasket sealing the vessels, the bottom portion of said upper vessel having a centrally disposed aperture therein and

a depending collar surrounding said aperture, spaced bayonet lugs on said collar, a percolator tube having on its upper end portion an integral annular flange and an upstanding circular wall having inwardly extending flanges provided with L-shaped bayonet slots, said lugs being received in said bayonet slot for removably locking the percolator tube to the bottom por-



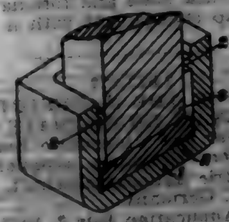
tion of the upper vessel, and the upper portion of said tube and the depending collar forming a chamber, a suction and fluid pressure operated valve in said chamber, normally closing the upper end of the percolator tube and adapted to close the aperture in the bottom of the upper vessel in communication with the percolator tube.

2,027,482
DETACHABLE HEEL
Charles E. Johnson, De Graff, Ohio
Application April 30, 1932, Serial No. 608,534
Renewed August 21, 1935
3 Claims. (Cl. 36—36)



1. In a shoe heel construction including a base and a removable rubber heel, a keeper plate permanently secured to said base and having inturned edges providing a keeper groove, a carrier plate secured to the upper surface of the rubber heel, the rubber heel having a countersunk portion receiving said carrier plate and providing a marginal rim extending above and spaced laterally from the edges of said carrier plate whereby to provide a receiving groove, the edges of said carrier plate being designed to be inserted into the marginal keeper groove of said base-carried keeper plate and the margin of the latter being received in said receiving groove of the rubber heel, said marginal rim of the rubber heel being adapted to abut the surface of said base about said keeper plate whereby to conceal both plates and protect them from the weather, and outwardly struck tongues extending from said carrier plate and embedded in the rubber heel, the ends of said tongues being bent rearwardly toward the rounded portion of the rubber heel and the tongues adjacent the rounded rear end of the heel having their ends bent inwardly toward the carrier plate so as not to present catching edges when the rear end of the rubber heel wears down to expose the same.

2,027,483
METHOD OF MAKING COMPOSITE MOLDED PRODUCTS
Charles L. Keller, Cincinnati, Ohio, assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application June 7, 1932, Serial No. 615,730
1 Claim. (Cl. 18—55)



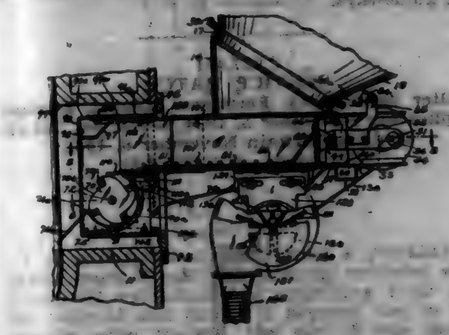
A process of making molded articles, which comprises introducing into a mold a quantity of thermoplastic composition in heat softened condition and molding said composition therein under pressure by a long draw molding operation so as to cause said composition to flow and fill the interstices of said mold and form an article of container shape, hardening said composition and introducing into the container formed thereof a second quantity of composition of thermoplastic character in heat softened condition, and of a type of bond with said first composition under conditions of heat and pressure, molding said second composition within said container as a matrix so as to form an integral article which, after hardening of said second composition, may be removed from said mold as a unit.

2,027,484
METHOD OF MANUFACTURING PAPER BOTTLES
Lydia Barbara Koch, New York, N. Y., and Andrew Reder, Newark, N. J., assignors to Reinforced Paper Bottle Corporation, New York, N. Y., a corporation of Delaware
Application May 5, 1934, Serial No. 724,033
7 Claims. (Cl. 93—39)



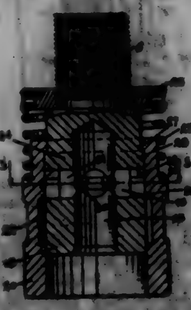
1. The method of producing a paper bottle consisting in first winding the bottle into body form, inturning the upper edge of the upper portion into a semi circularly thus inturning further to form a rim oval in cross section, then swedging further to complete the neat and simultaneously impress into the top of the body opposite the oval form an exterior circumferential reinforcement with longitudinal strengthening grooves and ribs extending up into the same.

2,027,485
METHOD OF STOKING FURNACES
Herman L. Kraeft, Cleveland, Ohio, assignor to Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 15, 1933, Serial No. 675,977
6 Claims. (Cl. 110—115)



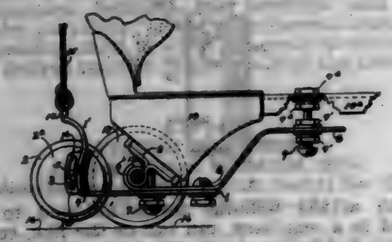
2. The method of feeding fuel to a fire bed comprising intermittently revolving a mass of fuel about an axis while permitting part of the mass of fuel to gradually escape at the bottom of the mass, intermittently shifting that part of the fuel which has escaped from the revolving mass in a substantially horizontal direction toward the fire bed while the revolving mass is stationary, and finally imparting to the fuel particles a flipped movement to cause the fuel particles to be spread over the fire bed.

2,027,486
CLUTCH
Francis J. Lapointe, Ann Arbor, Mich.
Original application February 11, 1931, Serial No. 517,386, now Patent No. 1,957,121, dated November 28, 1933. Divided and this application November 25, 1933, Serial No. 699,737
1 Claim. (Cl. 279—74)



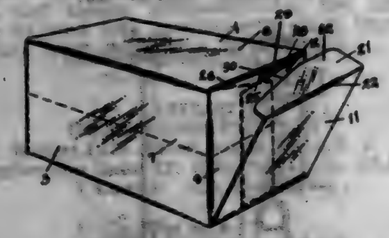
In a clutch for a tool having a neck, a shank and a head, the head having oppositely disposed angular beveled surfaces, a cylindrical clutch block having a socket for receiving the head of a tool, the head having beveled surfaces, a cylindrical clutch block having a socket for receiving the head and a part of the shank of the tool, the clutch block having openings radially slidable dogs located in the openings, a shell adapted for telescopic movements relative to the clutch block and having two cylindrical guiding surfaces at its ends fitting the exterior cylindrical surfaces of the clutch block and an inwardly extending flange, the edge of the flange fitting the cylindrical surface of the clutch block and forming an auxiliary guiding surface, the clutch block having a circular shoulder at its upper end and engaged by the said flange and fitting the interior surface of the shell, the lower end of the shell extending below the clutch block, the clutch block having a circular protruding part and the shell having a protruding shoulder, a helical spring located between the said part and the said protruding shoulder for yieldingly resisting movement of the shell relative to the clutch block, the shell having a circular recess for receiving the outer ends of the dogs to release the tool when the shell is moved counter the pressure of the spring.

2,027,487
BRAKE
Walter H. Means, Atlanta, Ga.
Application November 23, 1933, Serial No. 699,419
11 Claims. (Cl. 280—173)



1. In a brake mechanism for roller skates, a yieldable longitudinally extensible brake support having a brake member carried by the rear portion of the support, means for rigidly securing the forward portion of the brake support to a skate frame, means for flexing the rear portion of the brake support to apply said brake member to a wheel, and means for angularly adjusting the rear portion of the brake member relative to the rotational axis of the skate wheel.

2,027,488
CARTON
Edward F. Ness, Toledo, Ohio
Application October 15, 1934, Serial No. 748,395
4 Claims. (Cl. 229—38)



1. A carton having a plurality of walls adjoining each other at their side edges, flaps extending from adjacent ends of certain of the adjoining side walls, one of said flaps having a side edge extending parallel to an end edge of a side wall adjoining the side wall from which said flap extends and along said end edge from one side edge of said adjoining side wall to a point on said end edge intermediate the side edges of said adjoining side wall, the last named flap having an end edge and an edge extending angularly to said end edge, another of said flaps

a depending collar surrounding said aperture, spaced bayonet lugs on said collar, a percolator tube having on its upper end portion an integral annular flange and an upstanding circular wall having inwardly extending flanges provided with L-shaped bayonet slots, said lugs being received in said bayonet slot for removably locking the percolator tube to the bottom por-



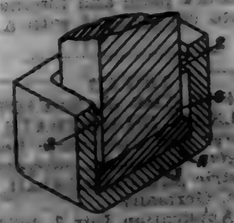
tion of the upper vessel, and the upper portion of said tube and the depending collar forming a chamber, a suction and fluid pressure operated valve in said chamber, normally closing the upper end of the percolator tube and adapted to close the aperture in the bottom of the upper vessel in communication with the percolator tube.

2,027,482
DETACHABLE HEEL
Charles E. Johnson, De Graff, Ohio
Application April 26, 1932, Serial No. 608,524
Renewed August 21, 1935
2 Claims. (Cl. 36—36)



1. In a shoe heel construction including a base and a removable rubber heel, a keeper plate permanently secured to said base and having inturned edges providing a keeper groove, a carrier plate secured to the upper surface of the rubber heel, the rubber heel having a countersunk portion receiving said carrier plate and providing a marginal rim extending above and spaced laterally from the edges of said carrier plate whereby to provide a receiving groove, the edges of said carrier plate being designed to be inserted into the marginal keeper groove of said base-carried keeper plate and the margin of the latter being received in said receiving groove of the rubber heel, said marginal rim of the rubber heel being adapted to abut the surface of said base about said keeper plate whereby to conceal both plates and protect them from the weather, and outwardly struck tongues extending from said carrier plate and embedded in the rubber heel, the ends of said tongues being bent rearwardly toward the rounded portion of the rubber heel and the tongues adjacent the rounded rear end of the heel having their ends bent inwardly toward the carrier plate so as not to present catching edges when the rear end of the rubber heel wears down to expose the same.

2,027,483
METHOD OF MAKING COMPOUNDED MOLDED PRODUCTS
Charles L. Keller, Cincinnati, Ohio, assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application June 7, 1926, Serial No. 203,720
1 Claim. (Cl. 18—59)



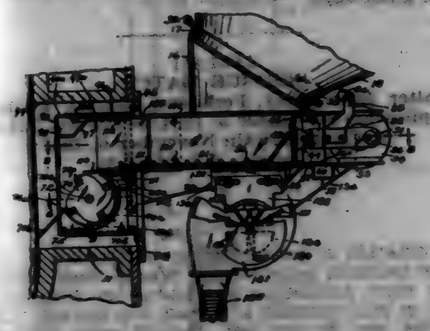
A process of making molded articles, which comprises introducing into a mold a quantity of thermoplastic composition in heat softened condition and molding said composition therein under pressure by a long draw molding operation so as to cause said composition to flow and fill the interstices of said mold and form an article of container shape, hardening said composition and introducing into the container formed thereof a second quantity of composition of thermoplastic character in heat softened condition, and of a type of bond with said first composition under conditions of heat and pressure, molding said second composition within said container as a matrix so as to form an integral article which, after hardening of said second composition, may be removed from said mold as a unit.

2,027,484
METHOD OF MANUFACTURING PAPER BOTTLES
Lydia Barbara Koch, New York, N. Y., and Andrew Bodor, Newark, N. J., assignors to Reinforced Paper Bottle Corporation, New York, N. Y., a corporation of Delaware
Application May 5, 1934, Serial No. 724,032
7 Claims. (Cl. 93—39)



1. The method of producing a paper bottle consisting in first winding the bottle into body form, inturning the upper edge of the upper portion into a curl circularly thereabout, inturning further to form a rim curl in cross section, then swedging further to complete the curl and simultaneously bowing into the top of the body opposite the oval form an exterior circumferential reinforcement with longitudinal strengthening grooves and ribs extending up into the same.

2,027,485
METHOD OF STOKING FURNACES
Herman L. Kraft, Cleveland, Ohio, assignor to Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 13, 1933, Serial No. 675,977
6 Claims. (Cl. 110—115)



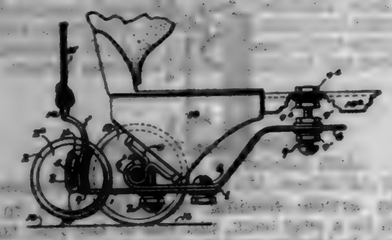
2. The method of feeding fuel to a fire bed comprising intermittently revolving a mass of fuel about an axis while permitting part of the mass of fuel to gradually escape at the bottom of the mass, intermittently shifting that part of the fuel which has escaped from the revolving mass in a substantially horizontal direction toward the fire bed while the revolving mass is stationary, and finally imparting to the fuel particles a flipped movement to cause the fuel particles to be spread over the fire bed.

2,027,486
CLUTCH
Francis J. Lapointe, Ann Arbor, Mich.
Original application February 21, 1931, Serial No. 517,286, now Patent No. 1,987,121, dated November 22, 1933. Divided and this application November 25, 1933, Serial No. 699,737
1 Claim. (Cl. 279—74)



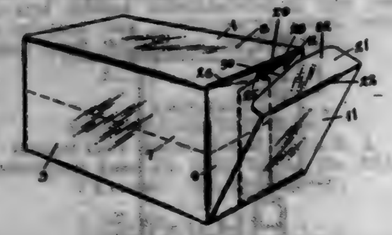
In a clutch for a tool having a neck, a shank and a head, the head having oppositely disposed angular beveled surfaces, a cylindrical clutch block having a socket for receiving the head of a tool, the head having beveled surfaces, a cylindrical clutch block having a socket for receiving the head and a part of the shank of the tool, the clutch block having openings, radially slidable dogs located in the openings, a shell adapted for telescopic movements relative to the clutch block and having two cylindrical guiding surfaces at its ends fitting the exterior cylindrical surfaces of the clutch block and an inwardly extending flange, the edge of the flange fitting the cylindrical surface of the clutch block and forming an auxiliary guiding surface, the clutch block having a circular shoulder at its upper end and engaged by the said flange and fitting the interior surface of the shell, the lower end of the shell extending below the clutch block, the clutch block having a circular protruding part and the shell having a protruding shoulder, a helical spring located between the said part and the said protruding shoulder for yieldingly resisting movement of the shell relative to the clutch block, the shell having a circular recess for receiving the outer ends of the dogs to release the tool when the shell is moved counter the pressure of the spring.

2,027,487
BRAKE
Walter H. Means, Atlanta, Ga.
Application November 22, 1933, Serial No. 699,419
11 Claims. (Cl. 280—173)



1. In a brake mechanism for roller skates, a yieldable longitudinally extensible brake support having a brake member carried by the rear portion of the support, means for rigidly securing the forward portion of the brake support to a skate frame, means for flexing the rear portion of the brake support to apply said brake member to a wheel, and means for angularly adjusting the rear portion of the brake member relative to the rotational axis of the skate wheel.

2,027,488
CARTON
Edward F. Nees, Toledo, Ohio
Application October 15, 1934, Serial No. 748,295
4 Claims. (Cl. 229—38)



1. A carton having a plurality of walls adjoining each other at their side edges, flaps extending from adjacent ends of certain of the adjoining side walls, one of said flaps having a side edge extending parallel to an end edge of a side wall adjoining the side wall from which said flap extends and along said end edge from one side edge of said adjoining side wall to a point on said end edge intermediate the side edges of said adjoining side wall, the last named flap having an end edge and an edge extending angularly to said end edge, another of said flaps

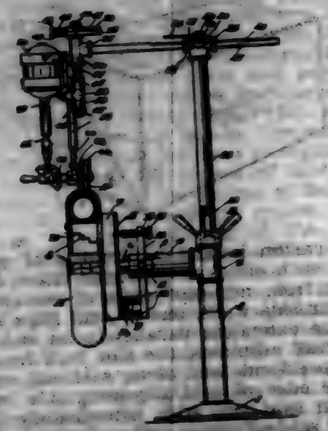
having a lip portion, the lip portion having a tip, one edge of the tip extending along a line convergent toward the base of the lip portion whereby when the tip is moved toward the body of the carton the said tip edge slidably engages the said angularly extending edge of the described one flap to progressively guide the lip portion to a position intermediate the said side edge of the described one flap and the said adjoining side wall whose end edge is proximate thereto.

2,027,423
HAT PEG OR THE LIKE
Arnold Noble, Halifax, and Thomas Phenix Walkland, Morecambe, England
Application March 29, 1935, Serial No. 13,746
In Great Britain April 3, 1934
3 Claims. (Cl. 211—23)



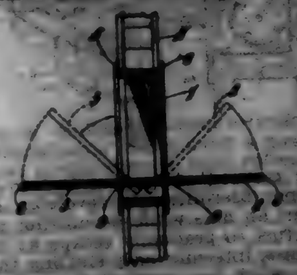
1. An article holding device adapted to be secured to a seat back, pin rail or the like, comprising a holder provided with an open back and a slotted aperture in its top, and a peg normally housed within said holder, provided with a spheroidal enlargement at its lower end, said peg being adapted when in active use to slide within said slot whereby the peg is capable of both a vertical and a lateral arcuate movement and when relieved of its load to automatically return to the holder.

2,027,430
TIRE GROOVING MACHINE
Ralph N. Pendleton and Roland H. Hodge, Worcester, Mass., assignors, by mesne assignments, to Victor M. Cutek, New York, N. Y.
Application April 6, 1933, Serial No. 665,430
10 Claims. (Cl. 90—16)



1. In a device of the character described, a base, an index chuck on said base for supporting a tire, horizontal guideways, means for supporting said guideways on said base and providing for vertical and horizontal adjustment of said guideways relative to the chuck, a carriage movable on said guideways, a cutter, and means for supporting said cutter on said carriage for movement therewith as the latter is moved on the guideways.

2,027,431
SERVICE HATCH
Walter John Percy, Puradown, Dorset, England
Application November 5, 1934, Serial No. 751,645
In Great Britain November 6, 1933
1 Claim. (Cl. 20—5.5)



1. A service hatch having doors closing substantially flush with the wall surface pivoted on horizontal axes and adapted to be supported horizontally when open on the cantilever principle.

2,027,432
GAS MIXER
Harrison V. Snedegrar, Los Angeles, Calif.
Application August 21, 1933, Serial No. 686,049
1 Claim. (Cl. 48—190)



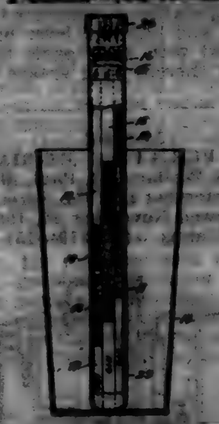
A gas mixer including a base having a fuel chamber therein and also having an annular flat top surface with an annular channel therein, an oil vapor nozzle integral with said base that is extended upward centrally above said annular surface with air inlets through said base adjacent the bottom of said nozzle, a valve housing detachably and adjustably secured to said base so its flat bottom end rests on the flat surface of said base and forms a cover for said channel to thereby convert it into an annular passage that is connected by another passage to the chamber in said base, said housing having a main passage arranged centrally over said nozzle and an offset by-pass that has its intake end opening into said annular fuel passage and its discharge end opening into said main passage, a throttle valve in said air passage that is interposed between said nozzle and discharge end of said by-pass, a shutter adjustably mounted on said base and arranged around said nozzle for regulating the flow of air into said main passage, and means for supplying oil vapor and regulating the flow to the chamber in said base.

2,027,436
WALL STRUCTURE
William Joseph Thillerver, New Orleans, La.
Application July 5, 1935, Serial No. 30,377
1 Claim. (Cl. 256—19)



1. A wall structure comprising a plurality of pickets, each of said pickets being provided with a laterally extending pin projecting from one edge thereof and having a bayonet slot in the opposite edge thereof, the pin of one picket being adapted to engage into the bayonet slot of an adjacent picket so as to interlock said pickets together.

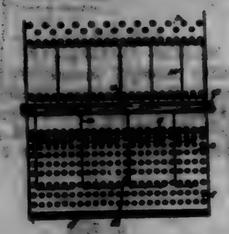
2,027,494
MIXING GAUGE
Frank W. Trabold, Detroit, Mich.
Application December 13, 1933, Serial No. 702,964
1 Claim. (Cl. 73—149)



In a device of the character described, a series of strips, each having indicia indicating the quantities of each of the several ingredients to be incorporated in a desired mixture, and an elongated transparent enclosure adapted to be inserted in a mixing receptacle, said enclosure having its lower end closed and its upper end open for permitting the insertion and removal of said strips whereby a selected strip may be placed at the end of the series to have its indicia visible through said transparent enclosure.

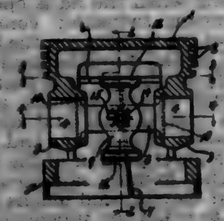
2,027,495
BOILER TUBE CLEANING CONSTRUCTION
Charles S. Turner, Detroit, Mich., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan
Application April 8, 1935, Serial No. 15,275
7 Claims. (Cl. 122—390)

1. In combination, a boiler having a plurality of boiler tubes, a plurality of blower elements extending in rows across the width of the boiler, there being a plurality of said rows of blower elements between the gas inlet and the gas outlet of the boiler and each row being divided into sections with each section occupying a portion only of the width of the boiler and corresponding sections in said rows being in substantial



alignment from the gas inlet to the gas outlet of the boiler, a header, and means including connections between said sections and said header providing for the simultaneous supplying of cleaning fluid to all of the sections occupying any desired position of the width of the boiler.

2,027,496
PISTON EXPANDER
Leon A. Witter, Cleveland, Ohio
Application September 3, 1932, Serial No. 631,636
12 Claims. (Cl. 309—13)



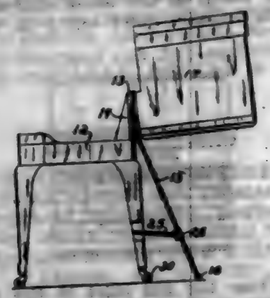
1. Means for expanding a piston having a pair of wrist pin bosses and a split skirt, said means comprising a pair of bow members one seating at its ends upon the wrist pin bosses of the piston and extending laterally therefrom toward the split side of the piston, the other extending within said piston longitudinally thereof with its ends bridging the split of the piston skirt, and means interassociating the medial parts of said bow members to exert outward pressure from said bosses to said skirt.

2,027,497
BOOK CONSTRUCTION
Robert Earle Smith, Little Falls, N. J.
Application June 12, 1935, Serial No. 26,168
7 Claims. (Cl. 281—15)



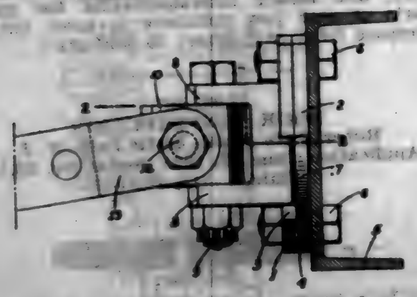
1. In a book: a packet comprising a binding strip, a backing leaf, and a bundle of leaves positioned between the binding strip and the backing leaf, the packet having an edge adjacent to which the binding strip, leaves and backing strip are bound together; and a cover of sheet material secured to said backing leaf, the cover extending around the bound edge of the packet and having an edge portion positioned beneath said binding strip.

2,027,436
CABINET
Herman A. Sperlich, Detroit, Mich.
Application January 30, 1935, Serial No. 4,963
5 Claims. (Cl. 62—9)



1. In combination with a container having an upstanding wall, hinging means supported by and spaced above the bottom of said wall, a lid carried by the hinging means, said lid having a hinged wall forming when the lid is closed a substantial continuation of said upstanding wall and being folded to a position beside said upstanding wall when the lid is open, at which time the lid as a whole projects laterally from the container, the lid also having a top wall at an angle to the hinged wall and spaced from the hinging means, means for bracing the container against tipping when the lid is open, comprising a bracing means swingably connected to the hinged wall of the lid between the hinging means and top wall lid and movable downward by opening movement of the lid to a position in which the upper end of said bracing means extends between the hinged wall and upstanding wall and lies against the latter, and check means articulating a lower portion of the bracing means to the container to move said means outward at the lower end thereof, said means being of sufficient length to reach the supporting surface and directly brace the container against tipping.

2,027,439
FLEXIBLE COUPLING
John S. Tully, Modesto, Calif.
Application October 15, 1934, Serial No. 748,332
1 Claim. (Cl. 286—32.44)



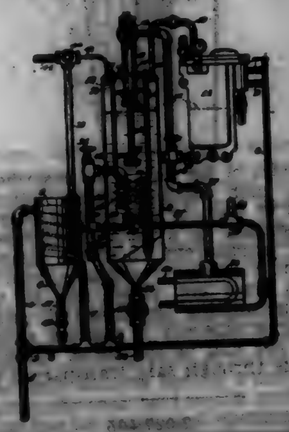
A flexible coupling for a motor vehicle having a frame and a trailer having a tongue and clevice comprising a disc adapted to rotatably engage with its forward face against a flat vertical portion of the vehicle frame, spaced ears formed integral with and projecting rearwardly from the other face of the disc, a block turnably mounted between the ears for rotation about an axis at right angles to the rotational axis of the disc, a bolt through the block rearwardly of the pivotal mounting thereof and at right angles thereto for turnable engagement with the trailer clevis and a mounting plate unit for the disc, said unit comprising a plate of slightly greater thickness than the disc and having a circular bore forming a bearing for the plate, a flange projecting from the plate over the outer edge of the rear face of the disc and means securing said mounting plate unit to the said vehicle frame.

2,027,528
GREASE GUN
Louis C. Vanderlip, Elkhart, Ind.
Application February 28, 1935, Serial No. 8,623
7 Claims. (Cl. 221—47.3)



1. In a grease gun provided with a grease container, a discharge nozzle, and a reciprocable grease ejector for forcing grease from said nozzle, the combination of a toggle operatively carried by the grease gun, said toggle including a pair of pivotally connected links, one of said links being operatively connected with said grease ejector, and link and lever means operatively connected with said toggle for actuating the latter and thereby said grease ejector.

2,027,561
WATER PURIFYING MECHANISM
John S. Wallace, St. Paul, Minn.
Application September 22, 1931, Serial No. 564,519
Renewed November 26, 1934
4 Claims. (Cl. 210—15)



1. A water purifying mechanism, comprising a cylindrical casing, a spray head mounted therein, said spray head having openings substantially tangential to the periphery thereof, liquid supply means opening interiorly of said casing, liquid control means mounted to maintain a substantially constant liquid level in said casing above said spray head, liquid outlet means having an opening therein below the normal liquid level in said container through which opening water is withdrawn from the interior of said casing, said opening being spaced inwardly from the walls of said casing, said casing being open and unbaffled between said outlet opening and said spray head, and steam supply means connected to said spray head to discharge steam through the openings therein to heat water in said casing and to impart a swirling motion thereto.

2,027,502
SYLVICULTURAL MACHINE
Friedrich Weissmüller, Saarbrucken, Germany
Application March 2, 1934, Serial No. 714,420
In Germany March 2, 1933
5 Claims. (Cl. 111—1)



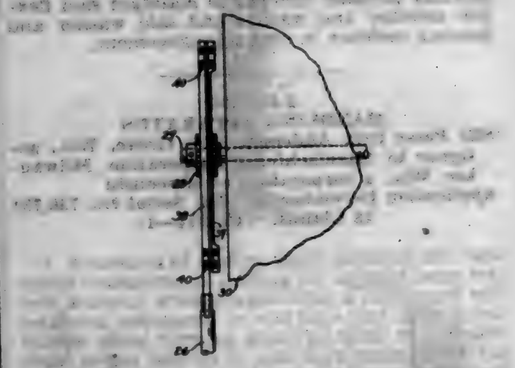
1. In a forest cultivating vehicle in combination a vehicle frame, a forest plough mounted near the front end of the frame for cutting and clearing the vegetation off the soil strip to be cultivated, a rearwardly bent guard hook, fixed on the front of said frame and extending to the plough tip for lifting the plough over immovable obstacles, a transverse axle rotatably mounted on said frame behind said plough, tearing grubbers fixed on said axle and burrowing grubbers rotatably mounted on said axle in alternating succession with said tearing grubbers, for simultaneously tearing up and comminuting the soil on the strip cleared by said plough, a two share strip heaping plough mounted behind said grubbers on said frame for heaping up the comminuted soil, means mounted behind said heaping plough for planting the cultivated strip, means for normally arresting the tearing grubbers and means, controlled by the pull exerted to draw the vehicle, for releasing said arresting means when said grubbers encounter an immovable obstacle, to permit said grubbers to rotate long enough to step over the obstacle and to thereby lift the rear portion of the vehicle to clear said heaping plough and planting means of the obstacle.

2,027,543
CLOSURE CAP
Richard H. Whitehead, New Haven, Conn.
Application December 11, 1934, Serial No. 756,910
9 Claims. (Cl. 215—74)



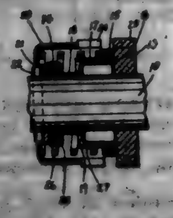
1. A closure-cap including: a body having an aperture extending therethrough; an operating-member rotatably mounted on said body and having an aperture therethrough in substantial alignment with the aperture through said body; and a closure-member between said body and said operating-member and adapted when said operating-member is rotated in one direction to close the opening formed by said aligned apertures, and when said operating-member is rotated in the opposite direction to open said opening and project a portion of said closure-member beyond the side-surface of said operating-member, said portion, when the closure-member is in closed position, serving to aid in preventing leakage from said opening.

2,027,584
WEIGHING SCALE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application August 16, 1934, Serial No. 740,140
7 Claims. (Cl. 74—422)



1. In a device of the class described, in combination, a rotatable indicator, means adapted to be actuated by force to move said indicator to indicating position and to hold said indicator in indicating position after cessation of such force, said means including a rack, means for moving said rack endwise to various positions, a second rack, resilient means connecting said racks and yieldably holding them against relative longitudinal movement in either direction, and a pinion, connected to said indicator, the teeth of said pinion being in constant mesh with the teeth of said second rack, the teeth of said pinion being engageable with the teeth of the first said rack upon relative longitudinal movement of said racks in either direction.

2,027,585
BEARING SEAL FOR ROTARY SHAFTS
Carl J. Winkler, Indianapolis, Ind., assignor to Schwitzer-Cummins Company, Indianapolis, Ind., a corporation
Application October 29, 1934, Serial No. 750,286
3 Claims. (Cl. 286—11)



1. In a fluid seal, the combination with shaft and housing members rotatable relative to each other, of a sealing washer mounted about said shaft to bear against the ends of the housing member, a cup-shaped metal closure having one

end keyed to one of said rotatable members, a rubber sealing member mounted in said closure having oppositely-disposed ring portions, intermediate reduced and enlarged portions with a collapsible shoulder portion therebetween, said reduced portion bearing upon the periphery of the shaft in sealing engagement therewith, the ring of the enlarged portion bearing against the washer in sealing engagement and the collapsible shoulder portion being reversed upon itself when in operating position to permit longitudinal displacement while maintaining the reduced sealing portion in compressed engagement with the shaft, and a compressible spring surrounding said member interposed between the end of the closure and the enlarged sealing ring for exerting pressure thereon to maintain said flexible member and washer and said washer and housing member in sealing engagement.

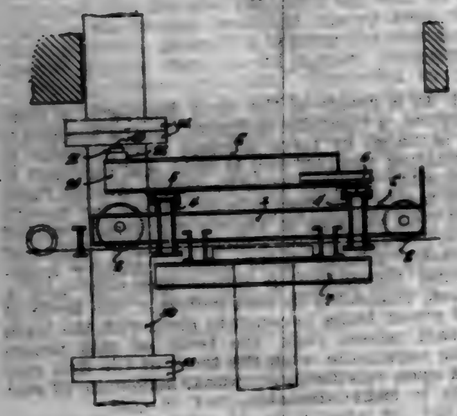
2,027,506

HANDLING APPARATUS

Nils Peter Erik Andersen, Elm Grove, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application December 10, 1934, Serial No. 756,731

13 Claims. (Cl. 214—1)



1. A machine for handling heavy objects in crowded quarters and comprising a crane, and a grapple on the crane consisting of a pair of frame members having end portions projecting beyond the frame and adapted to straddle the object to be handled, jacks on said end portions for engaging said object, a parallel link motion interconnecting the frame members and means for shifting the frame members relative to the crane.

2,027,507

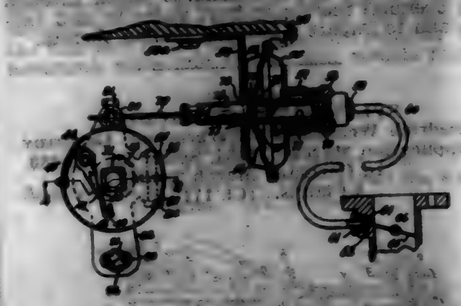
IGNITION APPARATUS

James L. Arthur, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 20, 1931, Serial No. 583,009

4 Claims. (Cl. 123—117)

1. Ignition control apparatus for internal combustion engines having a fuel pipe through which a fuel charge is drawn to the engine cylinders comprising, in combination, a circuit breaker, a cam for operating the breaker, and means for effecting a relative angular adjustment between the cam and circuit breaker in a direction to retard the spark timing while the engine is idling and in response to engine produced suction in the engine fuel pipe, said means including a suction chamber, a displacement



member in said chamber, and a pipe connecting said chamber with the fuel pipe of the engine only at a point adjacent the edge of the engine throttle valve when closed and on the engine side of said valve.

2,027,508

TYPEWRITING MACHINE

Henry Allen Avery, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters Inc., New York, N. Y., a corporation of New York

Application January 15, 1932, Serial No. 586,724

6 Claims. (Cl. 197—165)



1. In a typewriting machine having an inking ribbon actuating mechanism of the kind in which a drive shaft is endwisely shifted to connect it alternately with two ribbon spool-carrying shafts to feed the ribbon in either of two directions, the combination with the endwisely shiftable drive shaft of a ratchet wheel fixed to said shaft to turn said shaft therewith, a pawl carrier mounted on said shaft to rock thereon and to shift the shaft endwise, a pawl carried by said pawl carrier and engaged with the ratchet wheel to turn the drive shaft in one direction when the pawl carrier is rocked on the shaft, and means for shifting the pawl carrier axially in opposite directions to move the shaft endwise and thereby control the direction of feed of the ribbon.

2,027,509

TYPEWRITING MACHINE

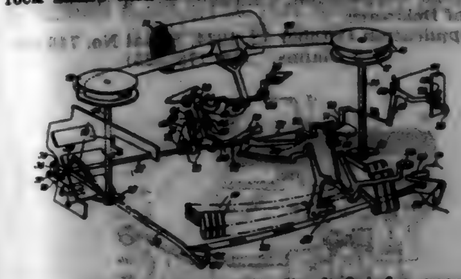
Henry Allen Avery, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y., a corporation of New York

Original application January 15, 1932, Serial No. 586,724. Divided and this application February 24, 1933, Serial No. 657,345

6 Claims. (Cl. 197—159)

1. In a visible writing typewriting machine in which the type print at a point on the front por-

tion of the platen, the combination of a ribbon guide movable up and down to carry an inking ribbon over and retract it from the printing point, a bell-crank lever having a forwardly extending arm to which the guide is pivoted and a pendent arm having two projections located different distances from the lever axis and extending toward opposite sides of the machine, said lever being pivotally supported to swing about a horizontal axis extending transversely of the machine, a horizontal rock shaft extending transversely of the machine below said lever axis and projections, key-operated means for rocking said shaft, a yoke having two upstanding arms loosely pivoted at their lower ends on said rock shaft and slidable along said shaft, each



yoke arm having a longitudinal slot for receiving one of said projections on the bell-crank lever and one of said yoke arms having an aperture therein, a rock arm on said rock shaft having a projection extending longitudinally of said shaft, and manually operable means connected with said yoke for shifting said yoke longitudinally of the shaft from one to the other of two limits of axial sliding movement of the yoke on the shaft in both of which the projection on said rock shaft is engaged in said yoke arm aperture to rock the yoke with the shaft and in each of which a different one of said lever projections is engaged in the slot of a different one of the yoke arms to thereby vary the up and down throw of the ribbon guide.

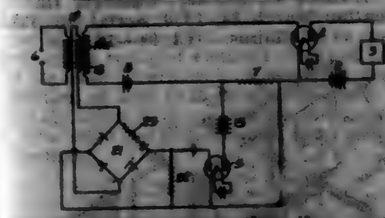
2,027,510

ELECTRON TUBE APPARATUS

Richard F. Ballen, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application February 26, 1932, Serial No. 595,319

12 Claims. (Cl. 178—171)



1. The method of distorting the wave form of the voltage applied to the grid of a vacuum tube which comprises rectifying a voltage varying with that to be distorted, exciting a compensating tube with the instantaneous rectified voltage and utilizing variations in the current delivered by the compensating tube to vary the voltage applied to the grid of the first mentioned tube, the rectified voltage being impressed as a positive voltage to the compensating tube and the compensating tube being so biased as to yield substantially no current when the instantaneous excitation voltage is zero.

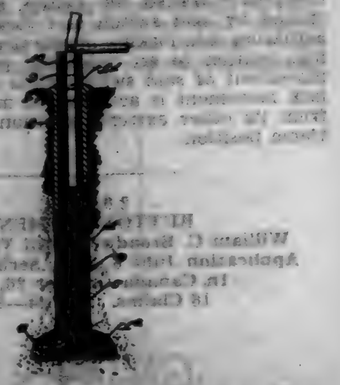
2,027,511

METHOD OF CASTING BELL-BOTTOM PLACE-PILING IN SOFT SANDY MATERIAL

Benjamin E. Bertran, Los Angeles, Calif., assignor of one-half to Jesse A. Bertran, Los Angeles, Calif.

Application July 25, 1932, Serial No. 624,363

6 Claims. (Cl. 61—57)



1. A method of casting place piling in soft material consisting of drilling an unlined bore into soft material while maintaining a semiliquid wall retaining substance in said bore and then introducing piling forming material while in a plastic state at the bottom of said bore underneath the mass of said semiliquid wall retaining substance in direct contact with said semiliquid wall retaining substance so as to entirely displace said semiliquid wall retaining substance and then removing everything from said bore except said piling forming material and the metallic reinforcing.

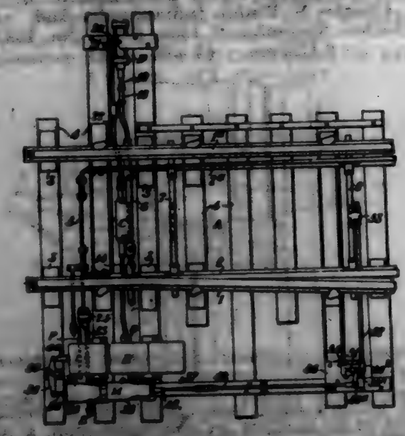
2,027,512

RAILWAY SWITCH OPERATING APPARATUS

Herbert L. Bone, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 15, 1933, Serial No. 680,568

9 Claims. (Cl. 246—270)



1. In combination with a spring switch, a switch and lock movement operatively connected with said switch, means controlled by said switch and lock movement for locking said switch in one

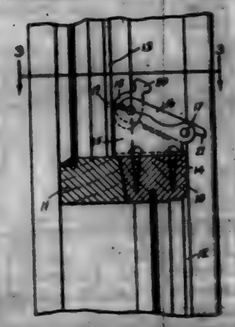
extreme position only, locking mechanism independent of said means biased to a locking position and effective when in its locking position for locking said switch in its other extreme position, means operated by a train approaching said switch in a trailing direction when said switch occupies its other extreme position for actuating said locking mechanism from its locking position to an unlocking position until after the train has completely trailed the switch, and means controlled by said switch and lock movement for actuating said locking mechanism from its locking position to an unlocking position prior to movement of said switch when said switch and lock movement is actuated to move said switch from its other extreme position to its one extreme position.

2,027,513
BUTTON ELEMENT
William C. Broadwell, Mill Valley, Calif.
Application June 8, 1935, Serial No. 25,562
In Canada October 26, 1934
16 Claims. (Cl. 24—245)



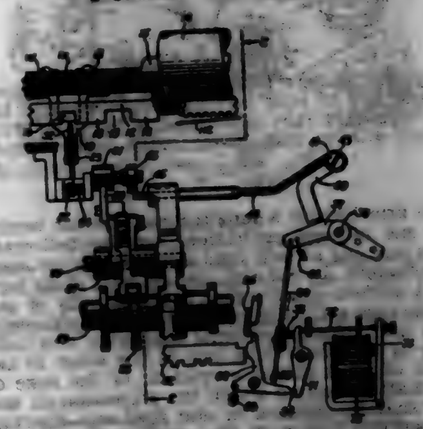
1. A button element for use with a companion loop member comprising a non-stretchable fabric serving as a retaining strap, a button of relatively soft rubber having a bonded union with said strap and including a shank portion and having a head presenting relatively thin flange-like margins extending laterally beyond said shank and adapted to be flexed toward the leg portions of said loop member and into impinging engagement with a garment at points underlying such margins and overlying such leg portions as when the loop member and button element are cooperatively attached to a garment and such garment is subjected to tension in the vicinity contiguous to the underlying head of said button.

2,027,514
WINDOW SASH FASTENER
Charles V. Bumb, Indianapolis, Ind.
Application November 2, 1934, Serial No. 751,151
2 Claims. (Cl. 292—341)



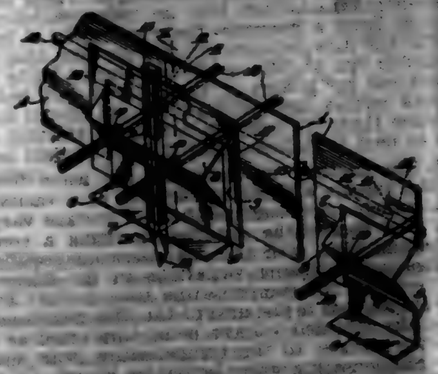
1. A window sash lock comprising a support adapted to be secured on a window sash, a pair of walls extending upwardly therefrom, a pair of arms pivotally mounted on said support extending upwardly at an angle thereto between said walls, a yielding cushion member mounted between the free ends of said arms for frictional engagement with a locking surface, and tooth projections formed on the free ends of said arms and extending short of the point of normal engaging of the cushion and said locking surface, whereby said projections will be caused to bite into said surface for positively preventing the relative movement of said surface and sash in one direction upon sufficient force being exerted to compress the cushion member.

2,027,515
TWO-COLOR RIBBON MECHANISM
Charles W. Bereby, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application October 12, 1934, Serial No. 748,169
9 Claims. (Cl. 178—35)



1. In a telegraphically controlled printing apparatus, a plurality of type elements, a platen, shift mechanism associated with said platen, a set of notched code bars variously positionable for accordingly controlling the performance of type elements, and a notched bar for controlling the performance of said shift mechanism.

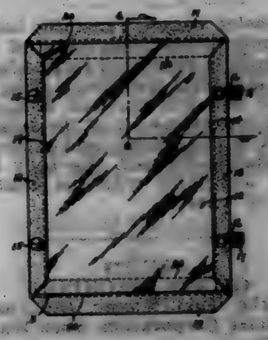
2,027,516
CENTER STRIP AND SUPPORT
William C. Burrell, Kaukauna, Ill., assignor to Wallace C. Fischer, Chicago, Ill.
Application March 24, 1930, Serial No. 438,248
13 Claims. (Cl. 94—18)



1. A concrete road center strip and support comprising a plurality of aligned, abutting

notched center strip boards, supports for holding said center strip boards mounted in position above a road sub-grade, stakes on one side of said center strip boards engaged with said supports for holding the same seated in position on a road sub-grade and also serving to hold the center strip boards in place, and reenforcing means supported by said supports for engaging and bracing the opposite sides of said center strip boards.

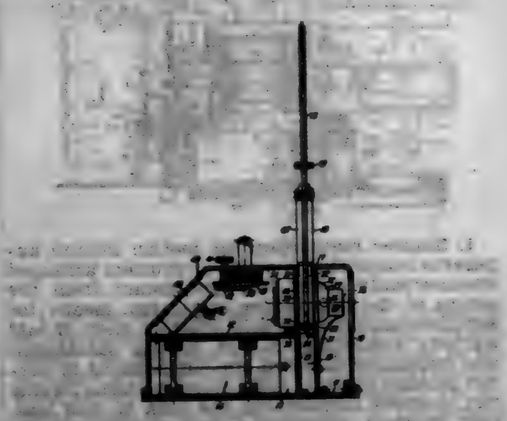
2,027,517
CERTIFICATE HOLDER
Anselem Orville Oehler, Des Moines, Iowa
Application November 26, 1934, Serial No. 754,748
3 Claims. (Cl. 40—16)



1. In a device of the class described, a single elongated rectangular sheet of flexible material having its four corners trimmed and its two side marginal edge portions folded over to form a side flap at each of its sides, a sheet of transparent flexible material over the main portion of said first-mentioned sheet and extending under each of said flap portions; said transparent sheet member having a length less than the length of said first-mentioned sheet member to provide end flaps on said first-mentioned sheet member capable of being folded over the end portions of said transparent sheet, a means for securing said first-mentioned sheet, said side flaps, and said sheet of transparent material together leaving said end flaps on said first-mentioned sheet free and unsecured, and a resilient element designed to have one of its ends operatively secured to one side edge portion of said first-mentioned sheet member and its other end operatively secured to the other side edge portion of said first-mentioned sheet member.

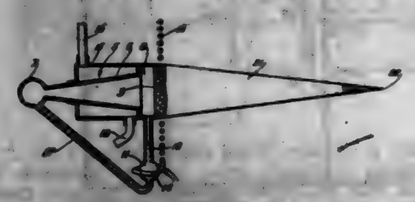
2,027,518
LUBRICATING OIL TESTING APPARATUS
Mead Cornell, San Francisco, and Charles C. Curtis, San Leandro, Calif., assignors to Charles C. Broadwater, Oakland, Calif.
Application December 27, 1932, Serial No. 648,242
6 Claims. (Cl. 88—14)

1. In apparatus for determining the lubricating quality of oil, a casing, a light sensitive cell mounted within the casing, indicating means connected to said cell, a source of light mounted within the casing and spaced with respect to the cell, a device for retaining a sample of oil, said device including a body provided with a pair of transparent walls spaced a predetermined distance apart whereby a relatively thin film of oil may be disposed between the same, and also including an inlet tube communicating with the space between the walls and suction means for drawing oil through the tube into the space between the transparent walls and for expelling the same back through the tube, one wall of the casing having an opening therethrough of sufficient size to permit introduction and removal of said device, and guide means disposed within the casing forming a recess communicating with



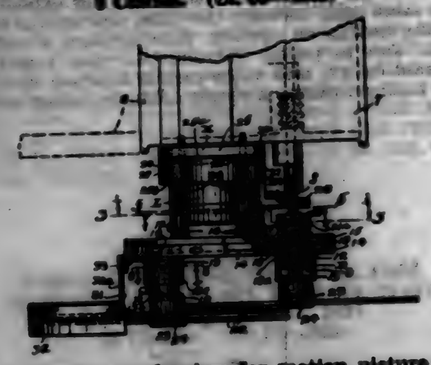
said opening, the recess being disposed between said cell and the lamp, said guide means serving to position said device with said transparent walls between said cell and said lamp when the device is inserted through said opening, said device when so positioned serving to exclude access of exterior light through said opening whereby only light from the lamp passing through the transparent walls is received by the cell.

2,027,519
COLD LIGHT SOURCE
John Burgess Davis, Keyport, N. J., and James L. Simpson, New York, N. Y., assignors to Columbia Phonograph Company, Inc., Bridgeport, Conn., a corporation of New York
Application September 24, 1933, Serial No. 634,643
1 Claim. (Cl. 176—124)



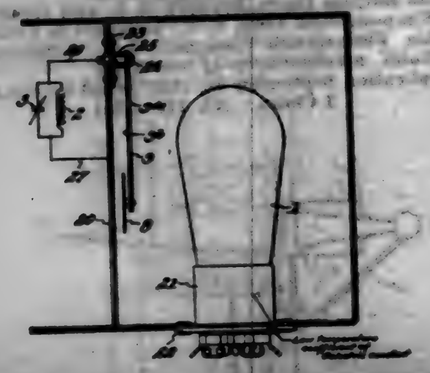
A mercury vapor induction lamp comprising an evacuated container, said container having a discharge region and mercury storage region, a quantity of mercury in said storage region, a water cooling jacket for said discharge region, and high frequency means disposed in proximity to said storage and discharge regions for providing a supply of mercury vapor and maintaining a discharge therethrough.

2,027,520
SHUTTER MECHANISM FOR MOTION PICTURE PROJECTORS
Israel Diebel, Minneapolis, Minn.
Substitute for abandoned application Serial No. 518,949, February 28, 1931. This application December 26, 1934, Serial No. 758,457
9 Claims. (Cl. 88—18.2)



1. Shutter mechanism for motion picture apparatus comprising a series of shutters arranged symmetrically about and equi-distant from the center of the lens of the apparatus, means for synchronously driving said shutters, each of said shutters comprising a disk having substantial and oppositely disposed cut-out portions to permit passage of light, said cut-out portions leaving rim portions surrounding the area of said lens, said shutters including a pair of diametrically disposed blades, said blades having their side edges diverging outwardly to a point which travels across the center of the lens, and then converging outwardly to the rim of the disk.

2,027,521
OSCILLATION GENERATOR
Frederick H. Drake, Beaston Township, Morris County, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application June 24, 1933, Serial No. 677,512
10 Claims. (Cl. 250—36)



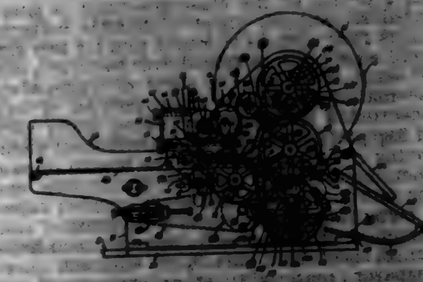
1. In an oscillation generator, the combination with a vacuum tube having a base of insulating material in which connections to the tube electrodes are mounted, of a tunable frequency-determining circuit including an inductance and tuning condenser, said inductance and condenser including means to prevent drift of the oscillation frequency with changes in temperature of said inductance and condenser, and means compensating for those changes in interelectrode capacities which result from changes in the temperature of said tube base.

2,027,522
COASTER WAGON
Joseph B. Sol, Shelbyville, Wis.
Application December 24, 1934, Serial No. 759,034
2 Claims. (Cl. 280—87.3)



1. In a coaster wagon, a metallic body, bolster means depending therefrom, pairs of wheels on which said body is supported carried by said bolster means, said body including a deck and overhanging side and end portions and completely housing and concealing all of the bolster means and portions of the wheels, and a steering connection extending through the body externally thereof and associated with the bolster means for one pair of wheels.

2,027,523
CUTTING MACHINE
Ralph R. Erbe, Fort Wayne, Ind., assignor to The Capehart Corporation, Fort Wayne, Ind., a corporation
Application May 26, 1934, Serial No. 727,777
13 Claims. (Cl. 91—50)

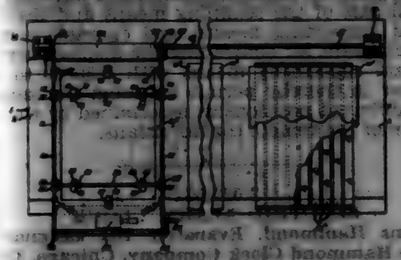


1. In an apparatus of the class described, the combination of a gluing machine through which sheets are passed to deposit glue thereon, a rotating receiving table positioned to receive sheets discharged from said machine, and apparatus responsive to the presence of a sheet at a predetermined point on said table to stop the operation of said machine in proper timed relation to prevent discharge of a second sheet therefrom upon said first sheet.

2,027,524
METHOD AND APPARATUS FOR PREPARING STEREOTYPE MATRICES
Harland Funkhouser, Chicago, Ill., assignor to The Goes Printing Press Company, Chicago, Ill., a corporation of Illinois
Application December 4, 1931, Serial No. 578,588
In Great Britain September 26, 1930
21 Claims. (Cl. 18—194.5)

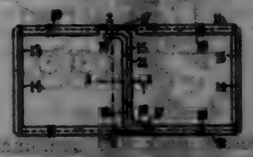
1. The method of forming a set of matrices for casting multicolor stereotype plates which

comprises applying imaging devices to the series of matrices and subsequently applying heat to a matrix or matrices to bring them to the same size



preparatory to casting the corresponding color plates therefrom.

2,027,525
CARDBOARD BOX
Reginald Harry Filmer, Clarkenwell, England, assignor to R. H. Filmer Limited, London, England
Application January 25, 1934, Serial No. 7,013
In Great Britain February 3, 1934
9 Claims. (Cl. 229—14)



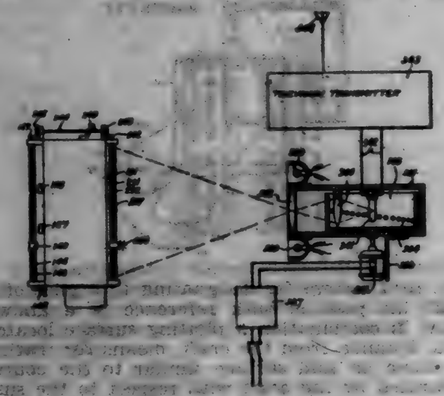
1. An improved cardboard box having in combination a body, a partition, a flap at each vertical edge of the partition, one flap being fixed to one side of the body, and a piece of cardboard fastened at its upper end to the other side of the box behind which the other flap passes.

2,027,526
PIEZO-ELECTRIC CRYSTAL APPARATUS
Ralph K. Franklin, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 8, 1933, Serial No. 665,826
9 Claims. (Cl. 171—327)



9. A piezo-electric crystal housing comprising a circular insulating housing, a plurality of electrodes retained within said housing, insulating members between upper and lower electrodes forming an air gap, a piezo-electric crystal interposed between said upper and lower electrodes, a plurality of tapered retaining fingers to retain the frequency of oscillations constant by holding said crystal on the lower electrode within the air gap in one of several possible positions contiguous to said retaining fingers.

2,027,527
NAVIGATIONAL GUIDE SYSTEM
John Hays Hammond, Jr., Gloucester, Mass.
Application August 17, 1929, Serial No. 386,557
Renewed December 7, 1934
12 Claims. (Cl. 250—11)



1. In an aeronautical guide system, a plurality of direction finders, including pick-up devices, means for orienting said pick-up devices in accordance with the direction of the signals emitted from an aircraft, whereby said members will respond with predetermined effect to the signals impressed thereon, and means responsive to the orientation of said pick-up devices for transmitting the azimuthal angle of rotation of said pick-up devices to a plotting mechanism, whereby the location of the projection of the aircraft upon the earth can be determined, a transmission system comprising scanning means for scanning said plotting mechanism, and a receiving system in said aircraft for receiving and translating signals transmitted by said last mentioned transmission system.

2,027,528
NAVIGATIONAL GUIDE SYSTEM
John Hays Hammond, Jr., Gloucester, Mass.
Application October 22, 1930, Serial No. 489,285
13 Claims. (Cl. 250—11)



3. In a navigational guide system, a plurality of direction finding units dispersed adjacent a fixed location, means for orienting said units in accordance with the location of a craft, a map in the craft having registered thereon the characteristics of the scenery adjacent the fixed location, a plurality of designating units located in standard points with respect to said map, and means for translating the orientation of said direction finding units into orientations of said designating units on the craft, whereby said designating units are oriented an amount necessary for effecting the designation of the position of said craft with respect to the map.

2,027,329
NAVIGATIONAL GUIDE SYSTEM
John Hays Hammond, Jr., Gloucester, Mass.
Application October 29, 1929, Serial No. 403,206
Renewed September 26, 1935
7 Claims. (Cl. 250—3)



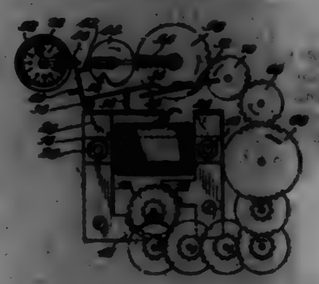
1. In a system for designating to a pilot of a craft his position with reference to a known point in combination a plotting surface located at a distance from the craft, means for tracing a course on said surface similar to the course generated by the craft with respect to the surrounding terrain comprising means adapted to resolve the motion of said first named means into rectilinear components, means for generating a plurality of carrier energy waves, means for modulating said carrier waves in accordance with the movement of said first named means and propagating the resultant energy, means in the craft for intercepting said propagated energy and deriving therefrom the modulations, a source of local oscillations and means for comparing the frequencies of the last named oscillations with the frequencies of the derived modulations, and means controlled thereby for varying the frequency of said local oscillations, and means including a plotting device responsive to said comparing means for graphically representing to the pilot of the craft his course with reference to the fixed location.

2,027,330
NAVIGATIONAL GUIDE SYSTEM
John Hays Hammond, Jr., Gloucester, Mass., assignor to Radio Corporation of America, a corporation of Delaware
Application November 15, 1932, Serial No. 642,713
13 Claims. (Cl. 250—11)



9. In a television, facsimile or the like transmission system, scanning means therefor, supporting means for the subject to be scanned, supporting means for the scanning means, means for translating the first named supporting means in its own plane and means for moving the first-named supporting means into a second plane which is parallel to the first named plane, means for varying the angular relationship between the optical axis of the scanning means and the first named supporting means, and operable remote control means for controlling the displacement of the said supporting means with respect to one another to thereby permit scanning the subject from different positions as determined by the operation of the remote control means.

2,027,331
ELECTRIC ALARM CLOCK
Laurens Hammond, Evanston, Ill., assignor to The Hammond Clock Company, Chicago, Ill., a corporation of Delaware
Application February 15, 1931, Serial No. 515,598
2 Claims. (Cl. 58—23)



1. In an electric clock, the combination of a time gear train, a shaft driven thereby, a cam connected to said shaft so as normally to retain therewith, a manually engageable indicator secured to said cam and positioned at the back of the clock, a pointer on said shaft and cooperable with said indicator, said pointer being independent of the hands of the clock, and an alarm mechanism controlled by said cam.

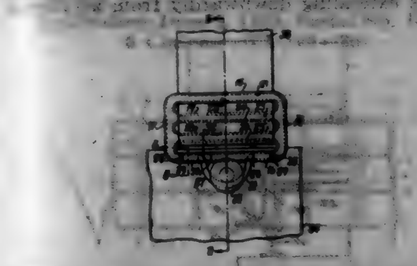
2,027,332
POWDER METALLURGY
Charles Hardy, Pelham, N. Y., assignor to Hardy Metallurgical Company, New York, N. Y., a corporation of Delaware
No Drawing. Application April 4, 1934, Serial No. 719,935
2 Claims. (Cl. 75—1)

1. In a process for making a metallic object in which metal powders that have been plated with metal in an aqueous solution are employed, the improvement which comprises compressing the plated powders into a coherent mass while said plated powders are still wet with water and before the original soft amorphous character of the plating has been altered substantially by heating, thereby reducing the compressive force necessary to form a coherent mass of predetermined density.

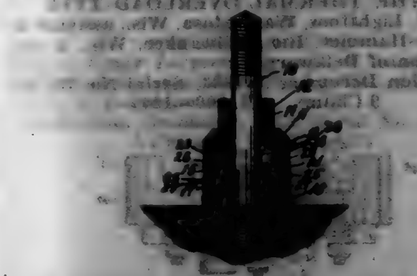
2,027,333
LOOP-BUCKLE
Robert J. Hodge, West Haven, Conn., assignor to The American Buckle Company, West Haven, Conn., a corporation
Application July 12, 1935, Serial No. 31,344
3 Claims. (Cl. 24—73)

1. A loop-buckle comprising a frame having a continuous lower bar, and a wire loop pivotally

connected with the lower bar of the same, the distance between the lower edge of said bar and the lower end of the loop being less than the diameter of a button with which it is to be engaged, whereby the upper edge of the button, when entered into the loop, will project over the said lower bar.



2,027,334
STUD BOLT WRENCH
Charles B. Ingersoll, Cleveland, Ohio
Application August 5, 1933, Serial No. 683,513
1 Claim. (Cl. 81—53)



In a device of the character described, a head having a cavity, a plurality of cam faces on the wall of said cavity, a core mounted in said cavity for rotary movement in either direction, said core having an axially arranged bore adapted to receive a member of rounded cross section; circumferentially spaced slots in the wall of said core, rollers mounted in said slots with the axes thereof disposed in parallel relation to the axis of said core, said rollers projecting inwardly into said bore and outwardly beyond the circumferential surface of said core, a circumferentially extending channel around the intermediate portion of each roller, a coincident circumferentially extending groove around said core, a split spring ring fitted in said groove and entered in the outwardly presented portion of each channel in each roller, said spring yieldably holding said roller in an inward position, said rollers adapted to grip said rounded member when moved into engagement with said cam faces by a relative turning movement of the head and core.

2,027,335
CLEANING AND POLISHING COMPOSITION
Bernard H. Jacobson, Charleston, W. Va., assignor to Klipstein Chemical Processes, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application February 26, 1935, Serial No. 8,941
4 Claims. (Cl. 252—93)

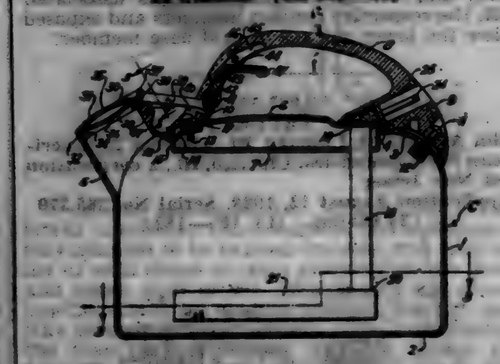
1. A dentrifice comprising a supporting paste vehicle and finely divided crystalline anthraquinone uniformly distributed therein.

2,027,336
ARTICULATED DISPLAY
Alexander M. Jerabek, Newark, N. J., and Aubrey W. Vaughan, Cleveland, Ohio, assignors to National Carbon Company, Inc., a corporation of New York
Application October 4, 1933, Serial No. 692,164
12 Claims. (Cl. 40—124)



1. An articulated display comprising a plurality of containers in linear alignment and means comprising a rigid spacing member provided with a movable joint connecting each container to the next in line.

2,027,337
ELECTRIC TEAKETTLE
Ralph N. Kircher, West Bend, Wis., assignor to West Bend Aluminum Co., West Bend, Wis., a corporation of Wisconsin
Application January 21, 1935, Serial No. 2,694
12 Claims. (Cl. 219—44)



1. An electric kettle comprising a container having an opening in its top, a lid therefor, a single vertical tubular casing secured at its upper end to said lid, an annular casing secured to the lower end of said vertical tubular casing and supported thereby, an electric heating element in said annular casing, terminals connected to said heating element and extending up through said tubular casing and projecting through said lid, and an arched handle rigidly secured to the container and having an opening accommodating the portions of the terminals projecting through the lid, said portions of the terminals being accessible through said opening of the handle.

2,027,338
ELECTRIC SWITCH
Alvin W. Kolerus, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 14, 1934, Serial No. 725,482
11 Claims. (Cl. 200—53)

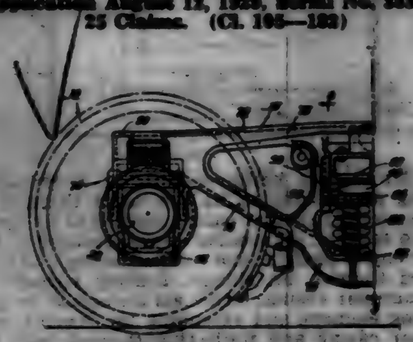
1. In an electric switch, in combination, an insulating [illegible] member, a plurality of contact

members rigidly secured to said base member and having edge portions spaced upwardly from the latter, a bridging contactor having a loose pivotal connection with one of said contact members, said contactor being in general of channel-form in transverse cross section, a portion of the bottom wall of the channel being sheared along parallel lines and deformed to provide an upwardly extending cam surface, a portion of said cam surface being located above the side walls of said contactor, an actuating lever pivotally supported in a predetermined spaced relationship to said base member, said lever having a recess in the lower end thereof, an insulating member



slidably engaging the walls of said recess, a coiled compression spring located within said recess and adapted to bias said insulating member outwardly therefrom, the outer end of said insulating member being engageable with said cam surface whereby said contactor and said lever are normally biased to given positions thereof respectively, said lever being movable at will to a given extreme position against said bias to temporarily retain said contactor in one of its extreme positions, and wiring terminal elements associated with the respective contact members and exposed below the lower surface of said base member.

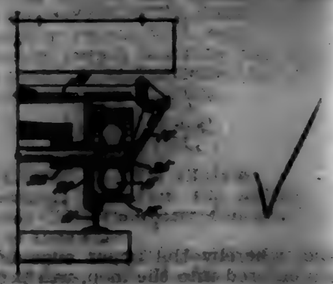
1,927,539
TRUCK
John A. Lamont, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 12, 1929, Serial No. 385,179
25 Claims. (Cl. 105—182)



1. In a truck for railway rolling stock, the combination of a truck frame, wheel and axle assemblies supporting said frame, said assemblies each including a non-rotatable axle having sliding cooperation with said truck frame, and snubber plates disposed as a cantilever between said non-rotatable axle and said frame.

1,927,540
PNEUMATIC RAILWAY WHEEL
Paul M. Lewis, Denver, Colo.
Application July 20, 1934, Serial No. 735,502
5 Claims. (Cl. 105—105)

1. A pneumatic wheel structure for a railway car comprising: a series of pairs of metallic truck wheels; a series of axles, each axle connecting a pair of said wheels; an outwardly extending cylindrical drum on each of said wheels; a main truck structure positioned above said wheels; brackets extending downwardly from said truck



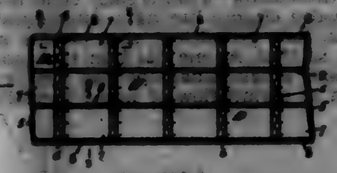
structure opposite said wheels; and pneumatic tires journalled on said brackets so as to ride within the cylindrical drums of said wheels; and a sub-truck structure connecting said axles.

1,927,541
ELECTRIC CIRCUIT CONTROLLING DEVICE OF THE THERMAL OVERLOAD TYPE
Edwin N. Lightfoot, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application December 8, 1932, Serial No. 701,581
9 Claims. (Cl. 200—134)



7. In a thermal overload device of the character described, in combination, a molded insulating base having a cup-shaped recess opening to the lower surface thereof, a thermally responsive unit comprising a substantially cylindrical member having a closed lower end, said member being non-rotatably supported by and depending from the upper end wall of said recess, an electric wire heating element located within said recess in spaced relationship to said cylindrical member, a toothed wheel exposed upon the upper surface of said base and having a shank extending downwardly into said cylindrical member, means comprising a fusible medium interposed between said shank and said member to normally restrain the former against rotation, a stationary contact and a movable contact, said movable contact being biased away from said stationary contact, a pawl associated with said movable contact and engageable with said toothed wheel to restrain said movable contact against movement under its bias pending a given degree of heating of said fusible medium, a body of insulating liquid within which said thermal overload device is submerged, a portion of said body of liquid being adapted to fill said recess, the walls of said recess acting to prevent substantial displacement of said portion of said body of liquid under the influence of convection currents generated therein to facilitate transmission of said heat to said fusible medium, and a pull-rod extending upwardly through said body of insulating liquid to provide for resetting of said overload device and consequent re-engagement of said movable contact with respective of the former.

1,927,542
FILTER BELT FOR ROLLER PRESSES
Adolph W. Linscomb, Louisville, Ky., assignor to Louisville Drying Machinery Co. Inc., Louisville, Ky.
Application June 1, 1925, Serial No. 34,542
6 Claims. (Cl. 100—35)



1. In a filter belt of the class described, a plurality of hinged sections, each section comprising a perforated plate, a fine screen mesh secured at one edge to the advancing end of said plate, and means securing said screen between the advancing and following ends of the plates, so that the screen may freely expand longitudinally and laterally.

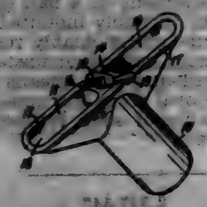
1,927,543
SUCTION NOZZLE
Gustaf Elmer Lofgren, Rye, N. Y., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application October 7, 1933, Serial No. 692,565
3 Claims. (Cl. 15—337)



1. A suction nozzle having a mouth surrounded with a surface contacting lip, said lip being provided with grooves forming communications between the mouth and the atmosphere when the nozzle is in operative position, said grooves being so arranged that a single vortex of air will be produced in said mouth during the normal operation of the nozzle, said lip providing a deflector for each air stream entering the nozzle thereby assisting the forming of said vortex.

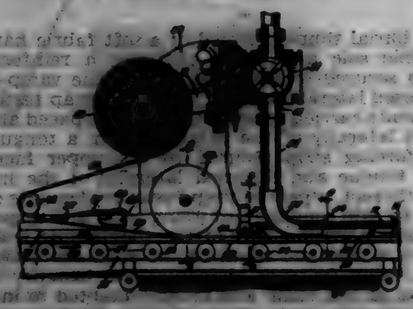
1,927,544
SUCTION NOZZLE
Gustaf Elmer Lofgren, Rye, N. Y., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application May 29, 1934, Serial No. 728,439
12 Claims. (Cl. 15—353)

1. An upholstery nozzle for vacuum cleaners, said nozzle having lateral suction openings, a central opening intermediate and terminating in the same plane with said lateral openings and angularly disposed to a surface to be cleaned, and of such shape that a vortex is formed on tangential admission of air thereto, a groove communicating with the atmosphere and connecting



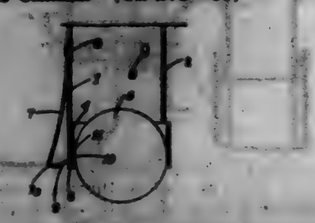
tangentially with said central opening and a common outlet communicating with said central and lateral openings.

1,927,545
APPARATUS FOR FORMING AND WRAPPING BRICKS OF ICE CREAM AND THE LIKE
Leslie A. Mapes, Fallsades, N. J., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
Application August 7, 1934, Serial No. 738,827
8 Claims. (Cl. 93—3)



1. In an apparatus for forming ice cream bricks, a conveyor, an elongated channel-shaped tray adapted to be carried thereon, said tray being of such shape in cross section that the lower and upper ends of the sides thereof are nearer together than the middle portions thereof, said tray being split longitudinally, means for holding the tray parts yieldingly together, means for forming a paper strip into channel shape and forcing it into the tray, means for cutting the sides of the channel-shaped paper strip to conform with the inner surfaces of the tray, and means for forcing ice cream into the paper-lined tray.

1,927,546
BALL RETRIEVER
Ian Macdonald, Modesto, Calif.
Application May 4, 1936, Serial No. 723,941
3 Claims. (Cl. 273—46)



1. A ball retrieving and retaining device comprising an open ended tube to receive a row of

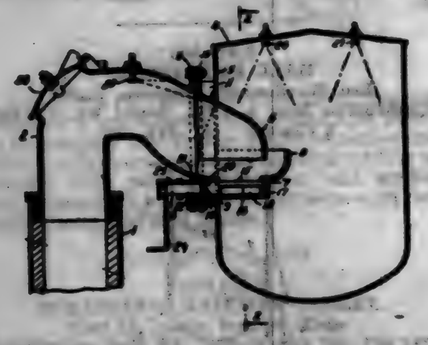
balls in single file, yieldable means in the tube adjacent its lower end to permit a ball to be received into the tube from said end but preventing retractive movement of a ball once thus received, and a ball turnably mounted on the upper end of the tube and yieldably resisting turning movement; said ball when upstanding serving both as a ball and as a means to hold the balls against removal from the upper end of the tube but permitting of such removal when the ball is swung down.

2,027,547
BURIAL SLIPPER
James W. McCamish, Winchester, Ind.
Application November 2, 1934, Serial No. 751,988
1 Claim. (Cl. 36—54)



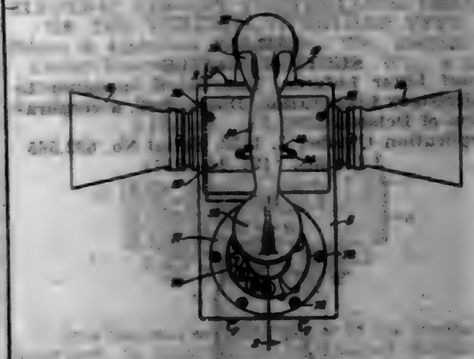
A burial slipper formed of a soft fabric having flexible sole and vamp portions, a reinforcing strip secured to the underside of the vamp and disposed laterally thereof, a pair of snap fastener elements carried by said strip and in spaced alinement laterally of the vamp portion, a tongue, a reinforcing strip secured to the upper face of said tongue and disposed laterally of the inner end thereof, a pair of snap fastener elements carried by said tongue reinforcing strip and disposed in alinement laterally of the tongue and spaced apart a distance equal to the distance between said vamp fastener elements; the fastener elements of the vamp and tongue adapted to interengage with each other to hold the tongue in proper longitudinal alinement on the shoe.

2,027,548
COLLECTOR MAIN VALVE ASSEMBLY
Charles Vernon McIntire, Short Hills, N. J., assignor to Semet-Solvay Engineering Corporation, New York, N. Y., a corporation of New York
Application August 11, 1932, Serial No. 628,243
18 Claims. (Cl. 202—256)



10. In a gas collecting system for a coal distillation plant, a collecting main, a gas conduit leading laterally through a side wall of said collecting main and provided with a hood extending into the main, a member within the main beneath said hood adapted to cooperate therewith to form a liquid seal for preventing flow of gas therethrough into the collecting main, a longitudinal opening providing communication between the space above said member and the space therebelow within said collecting main, and a valve closure having a substantial portion of its surface cylindrical, said closure being rotatable so that in one position it is adapted to block said longitudinal opening but in another position to permit flow of liquid therethrough.

2,027,549
TELEPHONE SET
Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 18, 1933, Serial No. 680,049
3 Claims. (Cl. 179—160)

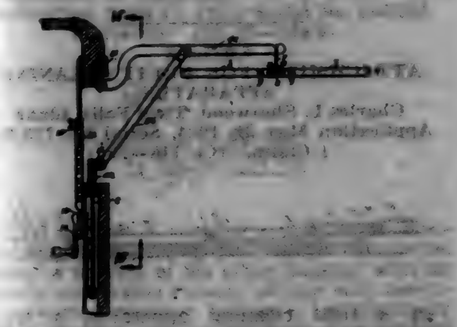


1. In a telephone set, a handset, means for supporting said handset on said telephone, an operating button operated by the removal and replacement of said handset on said telephone set, an evacuated vessel having a projecting stem extending therefrom, switchhook contacts completely sealed in said vessel, and operating mechanism connecting said stem on said vessel with said operating button for actuating said switchhook contacts, said mechanism including a cam face mounted to slide across said stem when the button is operated.

2,027,550
CHLOROBUTADIENE
Granville A. Perkins, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application August 16, 1931, Serial No. 557,427
6 Claims. (Cl. 260—163)

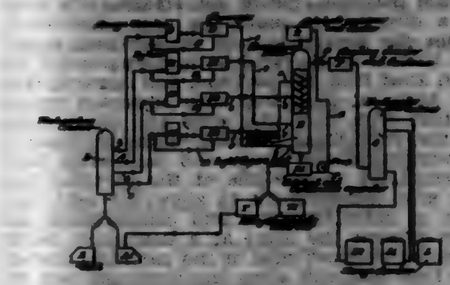
1. A process for making 2-chlorobutadiene-1,3 which comprises reacting vinyl acetylene with aqueous hydrogen chloride in the presence of a catalyst consisting essentially of cuprous chloride, and in the presence of a water-immiscible inert solvent in which the product is dissolved.

2,027,551
AUTOMOBILE DRESSING ROOM TENT
Raymond V. Hideout, Highland Park, Mich.
Application April 24, 1935, Serial No. 17,547
3 Claims. (Cl. 135—3)



1. A dressing tent to be used with an automobile, comprising a window engaging frame, a tent support frame positioned at one side of said window engaging frame, rigidly connected thereto and supported thereby, said tent supporting frame being adapted to support a tent inclosure.

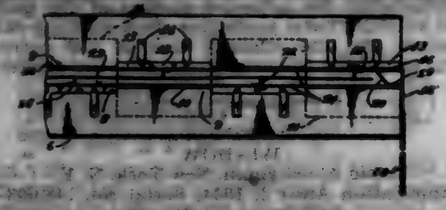
2,027,552
PROCESS FOR CONTROLLED PYROGENIC DECOMPOSITION OF HYDROCARBONS
Ovid R. Roberts, Jr., New Rochelle, N. Y.
Application September 23, 1933, Serial No. 690,758
15 Claims. (Cl. 196—52)



8. The method of effecting pyrogenic decomposition of hydrocarbons comprising decomposing a plurality of hydrocarbon fractions of different boiling points in the vapor phase by flowing them through a reaction zone while simultaneously contacting the same with a liquid metallic catalyst flowing counter-currently through the reaction zone, each fraction being separately introduced into said reaction zone to contact the liquid catalyst at points which afford the optimum conditions of pyrogenic decomposition and coupling necessary for proper stabilization.

2,027,553
ROAD JOINT EXCHANGER WITH VOID FORMING UNIT
Robert R. Robertson, Chicago, Ill., assignor to The Truscon Joint Company, Chicago, Ill., a corporation of Illinois
Application November 17, 1933, Serial No. 698,427
21 Claims. (Cl. 94—18)

1. A concrete construction joint former comprising a base section, a core unit removably supported thereby, and removable from the concrete construction to leave a void therein, and adjustable means carried by the base section for closing an end of the core unit and an end of the void when the core unit is removed.



2,027,554
CHROME NICKEL STEEL ALLOY PRODUCT AND METHOD OF MAKING THE SAME
Paul Schafmeister and Erwin Alfred Spenlé, Essen, Germany, assignors to Fried. Krupp A. G., Essen, Germany, a corporation of Germany
Application May 22, 1931, Serial No. 540,834
In Germany June 2, 1930
7 Claims. (Cl. 148—12)



3. The method of treating austenitic chrome nickel steel alloy products having a stable surface which comprises first heating within the carbide precipitation range, second, cold working, and third, reheating above the recrystallization temperature but below the temperature at which the carbides redissolve, to effect recrystallization of the cold-worked metal.

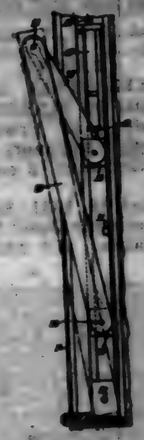
2,027,555
CORN PAD PACKAGE
William M. Scholl, Chicago, Ill., assignor to The Scholl Mfg. Co. Inc., Chicago, Ill., a corporation of New York
Application April 17, 1933, Serial No. 666,464
5 Claims. (Cl. 128—155)



1. A unit package comprising a folded carrier strip having a plurality of adjacent layers, corn

pads adhesively fixed to said layers except one, medicated plasters affixed to the excepted layer, the medication on said plasters being capable of deteriorating the adhesive coating of the pads, and an impervious protective strip covering said plasters and the opposite side of the carrier strip to include the area covered by the plasters.

2,027,556
WINDOW
David A. Saligman, New York, N. Y.
Application April 2, 1934, Serial No. 718,663
4 Claims. (Cl. 20—49)



1. A window structure including a sash of the type having a sliding and a hinging movement, said sash having lateral metal tracks adapted to slide therewith in an associated window frame and having a pivoted connection at the lower end thereof between the lower ends of said tracks, metal slide blocks at the lower ends of said tracks, links pivoted at their lower ends to said slide blocks and pivoted at their upper ends to the sides of said sash, said tracks having stops to limit the upward movement of said slide blocks for defining the outermost pivoted position of the sash.

2,027,557
SHOE
Edward L. Shatin, Endicott, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application June 8, 1934, Serial No. 729,718
5 Claims. (Cl. 36—14)



1. A shoe of the character specified; comprising an upper, an insole, means connecting the lower edge of the upper to the periphery of the insole, the lower edge of the upper lying approximately in the plane of the lower face of the insole; a beaded welt having a thickened flange on its upper edge secured to and around the upper above the insole, an outsole secured to the insole, and a fexing extending around the lower portion of the upper below the flange of the welt and around the outer edges of the outsole the lower edge of the fexing terminating in the plane of the lower face of the outsole.

2,027,558
ATTACHMENT FOR FRUIT CLEANING APPARATUS
Charles L. Sherwood, Twin Falls, Idaho
Application May 31, 1934, Serial No. 728,419
1 Claim. (Cl. 146—196)



In a fruit cleaning apparatus, a trough adapted to receive fruit and provided with a transverse partition defining independent compartments, one of which is adapted to receive an acid solution and the other fresh water, said partition having sloping faces curved downwardly in opposite directions and merged into the bottom of the trough, a drum rotatably mounted adjacent the partition and spaced therefrom above the acid solution compartment and provided with a plurality of spaced radial arms, each arm being straight throughout substantially its entire length and at its free end terminating in a hooked portion disposed in a direction to extend toward the bottom of the acid bath compartment when the free end of the arm is presented toward a sloping side face of the partition, means for rotating the drum in a direction to move the arms downwardly across the sloping face of the partition toward the bottom of the acid bath compartment and then away from the partition and upwardly with the hooks at their free ends presented upward to hold fruit upon the arms and effect lifting of the fruit from the acid bath, the path of movement of the drum and said arms being substantially to the side of the partition over the acid compartment to allow the acid solution to drain into the acid compartment and then present the arms at a downward incline toward the upper edge of the partition whereby the fruit may roll along the arms and over the partition into the water compartment.

2,027,559
BUSHING
Newton Skillman, Detroit, Mich., assignor to O. & S. Bearing Company, Detroit, Mich., a corporation of Michigan
Application February 5, 1931, Serial No. 513,491
4 Claims. (Cl. 308—238)



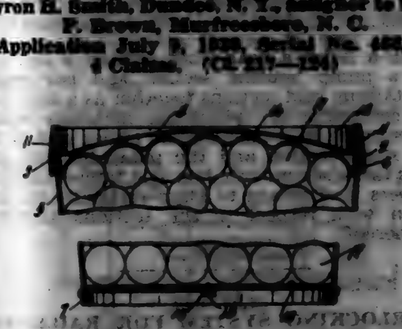
1. A bushing comprising an inner sheet of lubricant impregnated fibrous material integrally backed and held in place by a hardened combustic material, said material being of such consistency as to readily shear when forced into an undersize housing unit.

2,027,560
SELF-LUBRICATING SELF-ADJUSTING BEARING AND METHOD OF FORMING SAME
Newton Skillman, Detroit, Mich., assignor to O. & S. Bearing Company, Detroit, Mich., a corporation of Michigan
Application April 17, 1933, Serial No. 666,522
17 Claims. (Cl. 29—149.5)



1. The method of forming a permanent, non-adjustable universal joint, which comprises forming a portion of an outer housing with an inwardly converging contour at one end, inserting a bearing member having a longitudinally varying contour and a lubricant impregnated compressible expansible material within said housing, freely telescoping an outer housing member within said first housing portion to a point stopped only by said material whereby to compress and close in said material around the inner bearing member, said pressure being sufficient to lock the inner bearing in position, and then fixably locking the outer housing member relative to said housing to maintain said material under compression and lock said inner bearing member in position.

2,027,561
SHIPPING CONTAINER
Myron H. Smith, Dundee, N. Y., assignor to Edwin F. Brown, Murfreesboro, N. C.
Application July 7, 1933, Serial No. 680,702
4 Claims. (Cl. 217—124)



1. A shipping container comprising a cylindrical body provided with U-shaped hoops secured to the upper and lower ends thereof, a crown-shaped cover unit mounted on said body and provided with a vertically disposed rim forming a continuation of the cylindrical body, the upper edge of the rim lying in a plane substantially flush with the top of the cover crown, and fasteners cooperating with said rim and said hoops at the upper ends of said staves for securing the rim to the lower edge of the upper hoop.

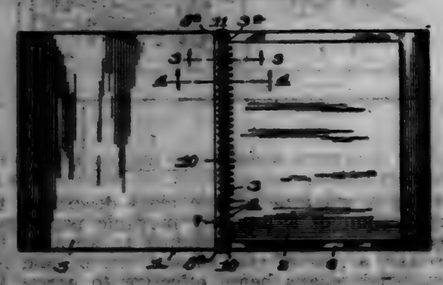
2,027,562
FEEDING DEVICE
William A. Smith, Sr., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application August 24, 1934, Serial No. 740,979
2 Claims. (Cl. 78—82.3)

1. In a feeding device, the combination of a casing and a feed screw extending through the casing, said casing having a recess and a wall at one end of the recess, a plurality of stationary feed nuts in the casing threadedly engaging the screw, and one of said nuts seating against the



end wall, means interposed between the nuts for effecting axial adjustment thereof, and a sleeve threaded into the casing and acting against one nut to hold said nuts in adjusted position.

2,027,563
BOOKBINDER
Isidore Spinner, Chicago, and Philip V. Spinner, Wilmette, Ill.
Application March 11, 1933, Serial No. 10,416
2 Claims. (Cl. 281—19)



1. In a book binder, the combination with a filler consisting of leaves bound together along one edge with a spiral binding of stiff wire, of a binder comprising cover sections and a backbone, a bar extending lengthwise of said backbone and having its end portions bent to provide brackets projecting at right angles to the inner face of said backbone adjacent the ends thereof, a rod removably insertable through holes in said brackets and adapted to pass through said spiral binding when the same is positioned lengthwise of said backbone between said brackets, and a lug projecting from said bar intermediate its ends and having a hole in alignment with the holes in said brackets, said lug acting to support said rod intermediate its ends and to project between adjacent turns of said spiral binding.

2,027,564
ROLLING MACHINE
Jacob Stein, College Point, and George Stein, Astoria, N. Y.
Application May 1, 1925, Serial No. 19,266
9 Claims. (Cl. 153—25)



1. A rolling machine, comprising a single wall frame comprising horizontal bars connected by spaced vertical bars providing vertically extending slots in the wall, blocks adjustable in the slots, shafts extending through the blocks and

adapted to receive shaping rolls thereon at the front of the frame, sprocket wheels on the shafts at the back of the frame, and sprocket chains engaging the sprocket wheels, and said vertical bars also forming slots between the slots for the bearing blocks for the reception of attachments.

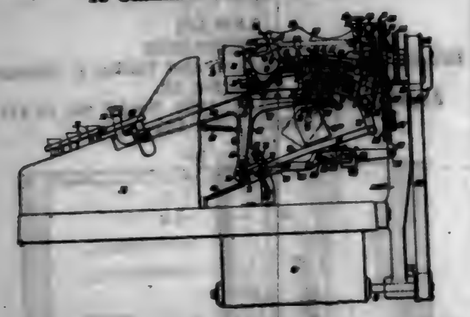
2,027,565

TABULATING DEVICE

Burnham C. Stickney, Hillside, N. J., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application August 14, 1930, Serial No. 475,171

13 Claims. (Cl. 197—176)



1. In a machine of the class described, the combination of a laterally movable paper carriage, means normally tending to advance the carriage, a pair of stop means, one of said last mentioned means being effective to arrest the advancing movement of said carriage in a columnar position thereof, the second being effective to hold the carriage in said position, manual means effective to disable one of said stop means and to condition the other of said stop means for operation in a subsequent column, a part actuated in every cyclic operation of the machine, and means actuated by said part as an incident to disable the second of said stop means.

2,027,566

CAR DOOR

Kenneth J. Tobin and Thorvald Madland, Chicago, Ill., assignors, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Application May 26, 1933, Serial No. 671,972

26 Claims. (Cl. 20—22)



10. In a railway freight car having a door opening, a door therefor, a track, rolling means supporting said door for movement upon said track, said door being frictionally supported upon said track in full open position and means pivotally supported upon said car adapted to dispose said door upon said rolling means for movement to closed position, said means being actuated to operative position by said door in the opening movement thereof.

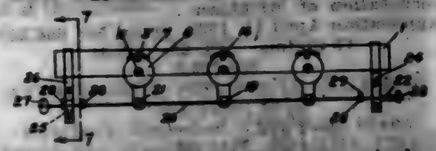
2,027,567

LAWN SPRINKLER

Holstein W. Webb, Columbus, Ohio

Application June 15, 1934, Serial No. 730,621

10 Claims. (Cl. 239—106)



1. A sprinkler nozzle comprising a nipple provided with a jet delivery passage, a plate carried thereby, and a block rotatably mounted on said plate and provided with a plurality of delivery controlling surfaces directed radially of the axis of rotation, and adapted to be selectively positioned to intercept an impinging jet issuing through the aforesaid passage.

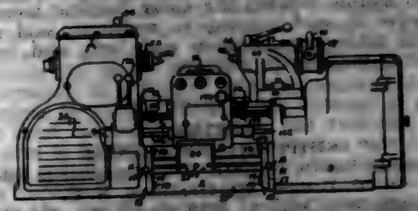
2,027,568

LATHE

Wendell E. Whipp and Clifford A. Bickel, Sidney, Ohio, assignors to The Monarch Machine Tool Company, Sidney, Ohio, a corporation of Ohio

Application October 11, 1932, Serial No. 637,719

31 Claims. (Cl. 82—2)



1. In a lathe, a head stock section, a pan section, a pump housing section and bar means for retaining said sections together as a unit, said bars consisting of cylindrical members means for retaining said members at either end in the head stock section and the pump housing section, a tail stock mounted on said interconnecting members, and means to align vertically the pan section with respect to the sections at either end thereof.

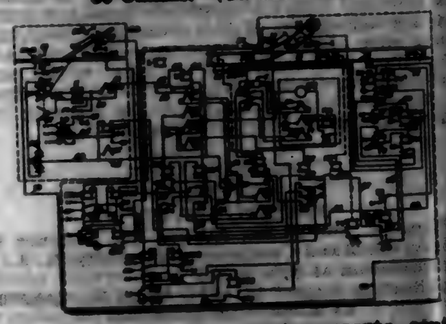
2,027,569

INTERLOCKING SYSTEM FOR RAILROADS

Sedgwick N. Wight, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application May 28, 1931, Serial No. 540,596

30 Claims. (Cl. 246—134)



9. In an interlocking system, route control means comprising, a circuit including contacts

which assume positions corresponding to the positions of associated track switches, a route relay at each end of said circuit, means for energizing said circuit from each end, and means for preventing de-energization of said circuit from one end if it has been energized from the other end.

2,027,570

VENETIAN BLIND BOTTOM RAIL BRACKET

William W. Zingg, Chicago, Ill., assignor to The Columbia Mills, Inc., New York, N. Y., a corporation of New York

Application March 11, 1935, Serial No. 10,393

9 Claims. (Cl. 160—17)



5. A Venetian blind assembly adapted to be hung in an opening and comprising a plurality of tiltable slats and a bottom rail, a spring actuated plunger mounted on said bottom rail and engageable with the side wall of the opening, and a clip mounted on the rail and releasably engageable with said plunger for holding it in set position.

2,027,571

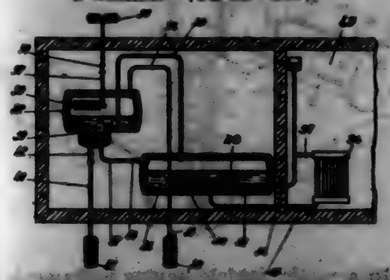
METHOD FOR THE TRANSFORMATION OF HEAT

Edmund Altenkirch, Neuenhagen, near Berlin, and Kurt Neuschmann, Berlin-Siemensstadt, Germany, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany

Application October 17, 1933, Serial No. 693,260

In Germany October 20, 1931

2 Claims. (Cl. 62—120)



1. In a system for the production of heat, an apparatus of the intermittent absorption type, comprising a generator-absorber and a condenser-evaporator, said condenser-evaporator being provided with two devices for the transfer of heat, one of said devices being so arranged as to give up the heat of condensation of the working medium to a medium of lower temperature, the other of said devices being so arranged as to transfer the heat from a medium of higher temperature to the condenser-evaporator, means in said two devices for controlling the transfer of heat, said generator-absorber being also provided with two devices for the transfer of heat, one of said devices of the generator-absorber being so arranged as to transfer during the period of condensation heat from a medium of lower temperature to the generator-absorber, and the other of said devices of the generator-absorber being so arranged as to transfer the heat of absorption to a medium to be heated.

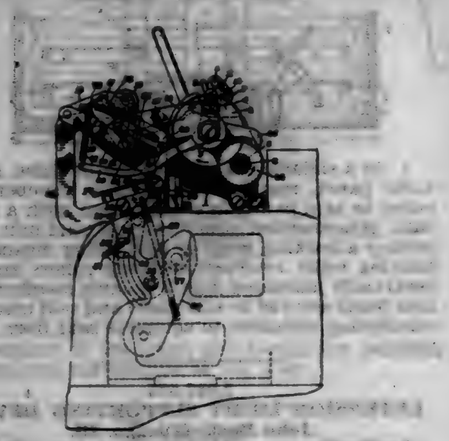
2,027,572

PAPER FEED MECHANISM

Walter A. Anderson, Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application November 23, 1934, Serial No. 754,564

7 Claims. (Cl. 197—114)



1. In a machine of the class described, a platen and means for rotating the platen comprising a link, a member arranged to reciprocate in each cycle of operations of the machine, a latch on said link adapted to connect the link with said member, a spring tending to move the latch into operative position, and a part arranged to move away from the latch when said member is moving in one direction to permit the spring to place the latch in operative position and to engage said latch when said member moves in the opposite direction to place the latch in inoperative position.

2,027,573

METHOD OF MAKING WRIST PINS

Frank H. Banner, deceased, late of Rochester, N. Y., by Beatrice A. Banner, executrix, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Original application May 2, 1928, Serial No. 274,932. Patent No. 1,876,556, dated September 13, 1932. Divided and this application July 19, 1932, Serial No. 623,583

2 Claims. (Cl. 29—148.5)



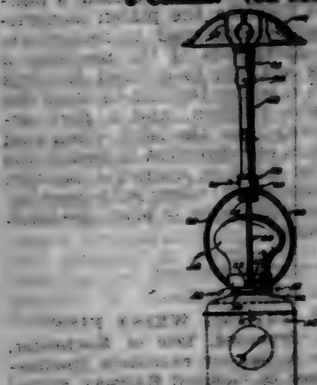
1. The method of making wrist pins, comprising, cutting a piece of cylindrical stock to length, forming a peripheral groove near one end of said piece, forming a split ring, of resilient material, and of an internal diameter equal to that of the root of said groove, and an external diameter greater than that of the stock, springing said ring into said groove, and spot welding the ends of said split ring.

2,027,574
CAR DOOR
Wilfred A. Beauchamp, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application October 1, 1934, Serial No. 746,209
11 Claims. (Cl. 20—23)



1. In a slidable car door of the lift type, a metallic panel, marginal reinforcing members secured to said panel, in combination with a separate, preassembled structural unit, said unit comprising a backing member and lifting means embodying roller retainers carrying rollers and eccentrically journaled in said backing member, said unit being secured to said panel and said marginal reinforcing members to complete said door.

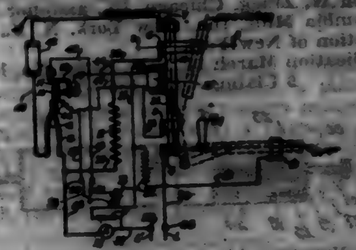
2,027,575
EXTENSION LIGHT SUPPORTING DEVICE
John Buck, Chicago, Ill.
Application June 24, 1935, Serial No. 28,157
6 Claims. (Cl. 240—2)



1. In an adjustable device for holding a lamp in extended position above a pump housing an upwardly opening receptacle having a right angled annular shoulder for engaging the upper portion of a pump housing, said receptacle providing mounted means for a light globe or the like; a plurality of curved spaced apart metal bars having their lower ends connected to said receptacle, one of said bars being removably mounted, a cylindrical member connected to the upper ends of said curved bars; a vertically extending pipe in said cylindrical member, and lamp supporting means removably mounted on the upper end of said pipe.

2,027,576
CIRCUIT CONTROLLER
Homer P. Chandler, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application June 6, 1932, Serial No. 674,981
9 Claims. (Cl. 175—329)

1. The combination with an electric motor having a field winding and an armature, of a circuit controller operable to "off", "starting" and "running" positions adapted to supply electric power to the motor, the said controller having a switch blade movable to each of the said positions and having at least one contact for each position and selectively engageable by the switch blade, means for connecting the armature to a contact in the "running" position, a resistor and means for connecting the armature



in series with the resistor and to a contact in the "starting" position, a second resistor and means for connecting the said field winding in series with the second resistor to a contact in the "off" position to energize the field winding below normal to warm the winding when the motor is inoperative and the armature deenergized.

2,027,578
AUTOMOBILE SUSPENSION SYSTEM
Henry M. Crane, New York, N. Y., assignor to General Motors Corporation, New York, N. Y., a corporation of Delaware
Application February 14, 1935, Serial No. 6,430
7 Claims. (Cl. 267—18)

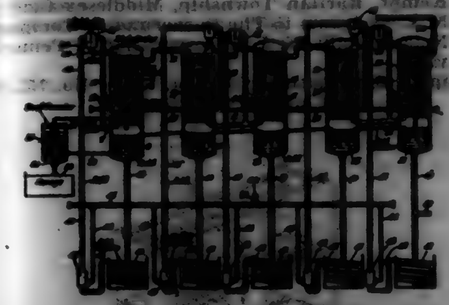


1. In a motor vehicle having a frame, a rigid axle between a pair of wheels at one end of the vehicle, and independent suspension of a pair of wheels at the other end of the vehicle, the roll axis being inclined downwards towards that end of the vehicle having the independently suspended wheels, anti-roll stabilizing means between the frame and the independently suspended wheels whereby the control of rolling is borne equally between the front and rear road wheels.

2,027,579
SYSTEM FOR MANUFACTURE OF NITRIC ACID
Frederic W. de Jahn, New York, N. Y., assignor to Frank A. Bower, Bayside, N. Y.
Application February 2, 1929, Serial No. 351,807
11 Claims. (Cl. 23—169)

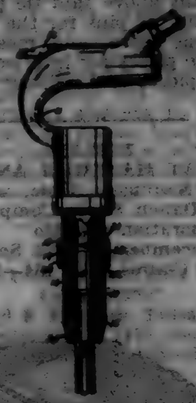
1. In the manufacture of acid the process of passing acid gases under pressure of a number of atmospheres into a plurality of successive ab-

sorption chambers, circulating acid through each of said absorption chambers, cooling said acid and maintaining the acid in surface con-



tact with said gases under said pressure and accumulating and drawing off the acid from said chambers.

2,027,579
EXHAUST DEFLECTOR
John De Missy, Shaker Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application March 14, 1934, Serial No. 715,429
5 Claims. (Cl. 121—97)



1. In a fluid actuated tool, the combination with a cylinder having an exhaust port, an exhaust controlling device comprising a member secured to said cylinder and movable in exhaust port open or closed position, and an exhaust deflector normally rotatably supported by said member.

2,027,580
TESTING APPARATUS
Adiel Y. Dodge and Robert J. Stein, South Bend, Ind., assignors, by mesne assignments, to Bendix-Cowdrey Brake Tester, Inc., New York, N. Y., a corporation of Delaware
Application June 19, 1930, Serial No. 462,063
9 Claims. (Cl. 265—25)

7. A brake testing apparatus comprising a frame, a wheel supporting and driving member thereon, a gear train for driving the member, an indicating lever pivoted to the side of the member, a flexible tension member secured to the free end of the lever, a shaft arranged transversely of the frame and connected to the tension member to be rotated thereby, an indicating dial on each end of the shaft, means yieldingly resisting



movement of the lever, and means for damping rotational movements of the lever.

2,027,581
NITROUS PRODUCT AND METHOD OF MAKING THE SAME
George H. Ellis, St. Paul, Minn., assignor to The Insulite Company, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application February 5, 1934, Serial No. 709,804
4 Claims. (Cl. 92—21)

1. A fibrous mass derived from vegetable source having distributed therethrough an insecticide and fungicide comprising a toxic agent that has been mixed with melted rosin and the rosin having the toxic agent therein reduced to a finely divided state.

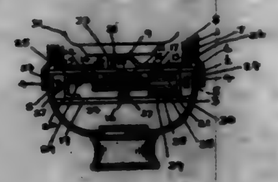
2,027,582
AQUEOUS DISPERSION
Jacob Mitchell Fain, Brooklyn, N. Y., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
No Drawing. Original application November 21, 1928, Serial No. 321,645. Divided and this application January 24, 1931, Serial No. 511,165
15 Claims. (Cl. 134—3)

1. An aqueous dispersion of bitumen comprising not substantially less than 50% by weight of bitumen and containing a mixture of soluble soap and a mineral powder colloid as the primary emulsifying agent and not less than 25% of water as the continuous phase, said soap and mineral powder colloid being present in a combined amount less than 1% by weight of the dispersion.

2,027,583
ELECTRIC SWITCH FOR ELECTRIC LAMP SOCKETS
Tomas Fladie and George Henry Elwell, New Haven, Conn., assignors to The Girdel Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application December 1, 1931, Serial No. 578,278
4 Claims. (Cl. 175—336)

1. A switch element for an electric lamp socket having a casing comprising interlocked

cap and shell members, a washer of insulation held between the interlocked cap and shell, screw-shell and center contacts supported by the shell side of said washer, the switch element being mounted upon the opposite side of said washer and wholly within said cap member, the switch element including two fixed pairs of spaced metal plates, the plates of one pair being conductively connected, one with the



screw-shell contact and the other with a line terminal, and the plates of the other pair being conductively connected, one with the center contact and the other with a second line terminal, and a pivotally operable switch bar of insulation material having a conductive plate upon each of its extremities and adapted to conductively bridge each pair of said fixed plates to close both lines of an electric circuit.

2,027,584

METHOD FOR TREATING MATERIALS CAPABLE OF UNDERGOING DISPERSION IN WATER AND FOR OBTAINING AQUEOUS DISPERSIONS THEREFROM

Leonard G. Gabriel, John F. T. Blett, William L. Peard, and Lawrence W. G. Flemin, London, England, Louis Meunier, Lyon, France, and Johan L. van der Minne, Amsterdam, Netherlands, assignors, by mesne assignments, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts

No Drawing. Application June 15, 1932, Serial No. 617,479. In Great Britain June 18, 1931

12 Claims. (Cl. 134—1)

1. A method of treating crude petroleum oils, oil fractions or distillates, or residues obtained from the distillation or treatment of such oils, such as bitument, pitches, and the like, in order that residues obtained from said oils, oil fractions or distillates, or the said residues themselves when dispersed in water shall yield aqueous dispersions having relatively higher viscosities than could be obtained with the untreated residues when dispersed under otherwise similar conditions, which consists in combining with said materials substances which are water-soluble, and in quantities sufficiently low to be capable, when dispersion of the residues in water is effected, of producing within the dispersed particles of said residues, osmotic pressures which are initially greater than those exhibited by the continuous phase, thereby causing an absorption of water from the continuous phase into the dispersed phase, such combination with small quantities of said substances being so effected that when said residues are finally dispersed in water, the particles of the substances in the dispersed phase of the residues are substantially smaller in size than the size of the said dispersed particles themselves, and dispersing the thus treated residue in water.

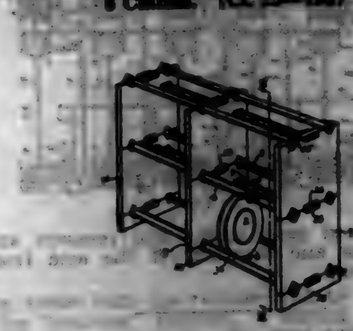
2,027,585

KILN SETTER FOR BEARING OF TABLEWARE

Charles F. Geiger, Metuchen, and William G. Kempf, Raritan Township, Middlesex County, N. J., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania

Application November 8, 1934, Serial No. 752,126

6 Claims. (Cl. 25—153)



1. A setter unit forming a skeleton structure for the rearing of ceramic ware in glost firing, said unit comprising two vertically disposed walls, two tie pieces extending between said walls and carrying projecting edges for supporting ceramic ware, a third member extending between said walls above said tie pieces and carrying a plurality of pins for the lateral support of said ceramic ware, and means on one or more of the tie pieces for interlocking said walls with said tie pieces and holding the setter unit together.

2,027,586

DECORATIVE MATERIAL AND ARTICLE

Fred George, Sandusky, Ohio, assignor to The Hinde and Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio

Application December 18, 1933, Serial No. 703,038

11 Claims. (Cl. 154—46)



12. As a new article of manufacture, a composite board consisting of a corrugated inner sheet, a crepe sheet secured to the peaks at one side of the corrugated sheet and having crinkles extending parallel to the corrugations to form surplus material in said crepe sheet to provide for difference in curvature in said sheets upon curving thereof in the longitudinal direction of the corrugations, and a plane sheet fixed to the peaks at the opposite side of said corrugated sheet for fixedly spacing said corrugations and preventing stretching of said corrugated sheet in a direction transversely of said corrugations when the sheets are curved.

2,027,587

CURTAIN FIXTURE

William S. Hesson, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois

Application January 14, 1935, Serial No. 1,661

2 Claims. (Cl. 156—26)



1. In shade construction having a shade and a vertically disposed guide at one side thereof containing a channel with a constricted opening; a horizontally extending rod at the lower edge of the shade, a narrow bracket at one end of the rod projecting through the constricted opening into the channel in the guide, and a strip of slightly flexible material which is wider than the bracket and the opening in the channel and is attached to the bracket inside of the channel in a position extending longitudinally of the latter, said strip substantially filling the channel and extending a considerable distance above and below the upper and lower edges of the bracket whereby to provide in effect long flexible tips on the bracket within the channel for frictional coaction with the walls of the channel upon the bracket being moved by the rod into an out-of-normal position.

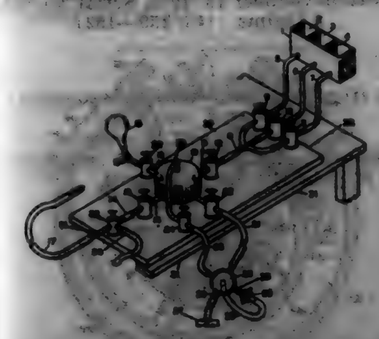
2,027,588

APPARATUS FOR TREATING THE LARGE INTESTINE

Edward F. Hannah, Tulsa, Okla.

Application September 5, 1933, Serial No. 688,117

11 Claims. (Cl. 128—227)



1. In an apparatus used for treating the large intestine a central by-pass control chamber, a gas dome therein wherein gas may be trapped, a valve controlled opening in said dome, a valve controlled inlet and outlet in said chamber to a cecum tube.

2,027,589

POINTER TYPE SPEEDOMETER

Ralph O. Heigsby, Flint, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 17, 1928, Serial No. 306,249

2 Claims. (Cl. 244—12)



1. In a measuring instrument, a main frame, a magnet supported by said frame, a supplementary frame, a thermostatic compensator adapted to be received between the poles of said magnet and secured to said second frame, means to secure said second frame to said first frame in a predetermined position whereby said compensator locates said magnet in a predetermined position on said main frame.

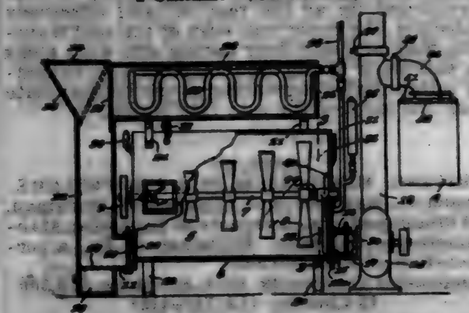
2,027,590

FEATHER CLEANING AND STERILIZING MACHINE

Henry Hirsch, Jersey City, N. J.

Application May 13, 1935, Serial No. 21,263

4 Claims. (Cl. 34—44)



1. A machine of the class described comprising a treating chamber having an inlet and an outlet for feathers, rotatable beaters mounted within said chamber, a feather-receiving chute leading to said inlet, a heating chest having one end open to the atmosphere, a shutter interposed between said chest and said chute and adapted to be operated to close said chute at its upper end and place said chest in communication with said treating chamber, and an exhaust fan having its intake end connected to the outlet of said chamber and adapted to draw heated air from said heating chest through said chamber and to draw cool air through said chamber when said shutter is closed.

2,027,591

MECHANICAL STOKER

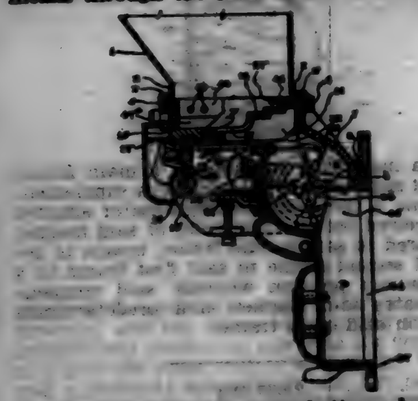
Jerome A. Hoffman, Detroit, Mich., assignor to Hoffman Combustion Engineering Company, Detroit, Mich., a corporation of Michigan

Application May 23, 1934, Serial No. 726,185

4 Claims. (Cl. 110—108)

1. A mechanical stoker having a feed chamber, side and end walls for said chamber, a

transverse wall intermediate the ends of the chamber and spaced from the rear end wall to form therewith a feed throat through which the chamber discharges, said transverse wall and the lower forward portions of the side walls having flanges in the same horizontal plane with one another and cooperating to form a skeleton base for the chamber, reciprocating feed means in said chamber, means for delivering to a furnace the fuel discharged by said reciprocating feed means through the feed throat and a liner for



said feed chamber having a bottom plate seated on the said cooperating flanges of the side walls and transverse wall and forming a supporting surface therefor for the reciprocating feed means, said liner bottom plate having a rear downturned lip at the rear of, and effectively protecting, the upper rear edge of the said transverse wall, and said liner having side walls along the side walls of the feed chamber and extending substantially rearwardly of the bottom plate along the sides of the said feed throat.

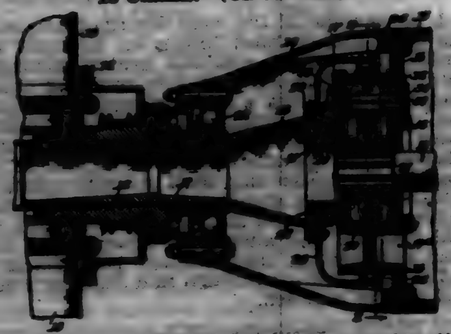
2,027,592

DRIVING MECHANISM FOR PROPELLERS

Samuel K. Hoffman and Clarence H. Wiegman, Williamsport, Pa., assignors to Lycoming Manufacturing Company, Williamsport, Pa., a corporation of Pennsylvania

Application October 29, 1934, Serial No. 750,569

15 Claims. (Cl. 74—412)



1. In transmission gearing, the combination of a drive shaft, a driven shaft, and mechanism for driving the driven shaft from the drive shaft comprising a pair of toothed gears, a plurality of intermediate toothed gears, each having teeth meshing with the teeth of both of said pair of gears, independently rotatable eccentrically mounted bearings on which the intermediate gears are respectively journaled, and means for rotatably, independently and rotatably positioning the bearings to permit angular deflection of the intermediate gears responsively to variations in the tooth loads thereon, the equalizing the tooth loads on the intermediate gears.

2,027,593

ELECTRIC TRANSFORMER

Charles H. Howard and Carl D. Miller, Detroit, Mich.

Application April 22, 1933, Serial No. 667,340

3 Claims. (Cl. 171—119)



1. A transformer of the class described comprising; a core having a passage formed therethrough; primary windings mounted on said core; secondary windings mounted on said core in spaced relation to said primary windings, said core having its passage formed therethrough between said primary and secondary windings; a magnetic regulating bridge insertable into said passage, for varying the voltage in the secondary windings through a by-passing of a portion of the flux set up by said primary windings; a plate engaging one face of said core and projecting across the passage therein; a yoke engaging the other face of said core and bridging said passage; guide bolts projecting through said passage and clamping said core between said plate and said yoke, said bolts serving as guides for said bridge upon its movement inwardly and outwardly of said passage; and threadable means projecting through said yoke, and adapted upon rotation for effecting movement of said bridge inwardly and outwardly of said passage.

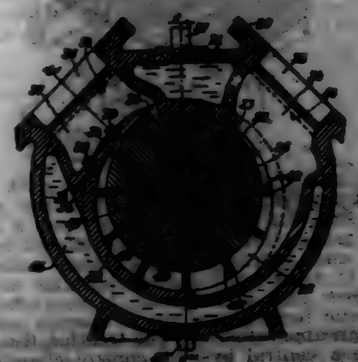
2,027,594

ROTARY COMPRESSOR

Leslie R. Hoff, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application October 19, 1932, Serial No. 638,112

3 Claims. (Cl. 230—152)



1. In a rotary piston machine the combination with a cylindrical casing having an inlet and an outlet opening, of a rotary piston eccentrically

arranged within the casing, and of loose blades carried by and circumferentially spaced apart on the rotary piston, for outward and inward movement, the circumferential distances between adjacent blades being not all equal.

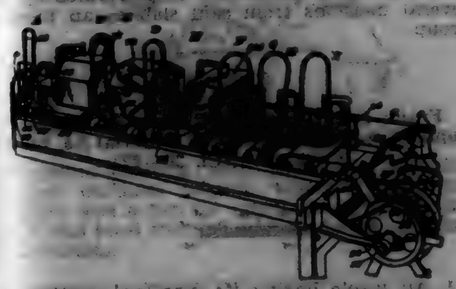
2,027,595

METHOD AND MACHINE FOR TESTING BLADES

Max Ruthol, Arlington, and Louis H. Young, Auburndale, Mass., assignors to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application March 19, 1931, Serial No. 523,019

43 Claims. (Cl. 265—71)



1. That improvement in methods of detecting variations in the sharpness of blade edges which consists in directing a beam of light successively against the edges of a series of blades, and measuring variations in the intensity of the light reflected from successive edges.

13. In a machine of the character described, the combination of means for moving the edge of a blade through a beam of light, and means for measuring changes in the intensity of the light reflected from successive portions of said edge.

43. In a machine of the character described, the combination of a conveyor, mechanism for automatically placing razor blades one at a time on said conveyor with their edges in exposed position, means for performing a testing operation on the blades while their edges are thus located by said conveyor and for automatically indicating an appropriate response, and power driven mechanism for subsequently sorting the blades automatically controlled in accordance with the location of their edges as indicated by said testing operation.

2,027,596

FOOD PRODUCT AND METHOD OF MAKING THE SAME

Arthur V. Kurt, Chicago, Ill.

Application May 2, 1933, Serial No. 669,596

Renewed June 1, 1935

9 Claims. (Cl. 99—11)



1. A food product comprising a hollow shell formed from a vegetable such as a potato and French fried by exposure of both its inner and outer surfaces to the cooking action of hot grease, and a filler of plastic food in said shell.

3. The method of making a food product which consists in forming a one-piece elongated shell from a vegetable such as a potato, supporting said shell against deformation while cooking the same in hot grease, and introducing a plastic filler material into said shell after cooking.

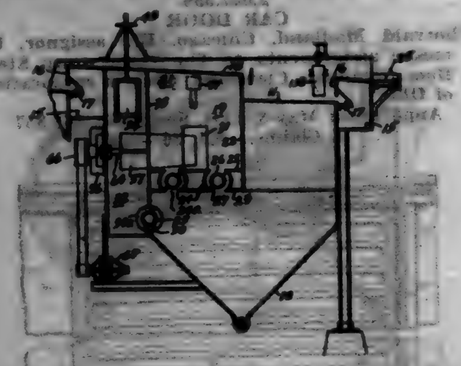
2,027,597

PULSATING JIG

Martin J. Lide, Birmingham, Ala.

Application September 19, 1932, Serial No. 633,531

27 Claims. (Cl. 209—455)



7. In a jig, a hutch, a screen over the hutch, means for effecting intermittent upward pulsations of water through the screen, a suction tank alongside the hutch, means for varying the level of water in the suction tank above its connection with the hutch, and valve means for intermittently connecting the suction tank to the hutch between the upward pulsations of water through the screen.

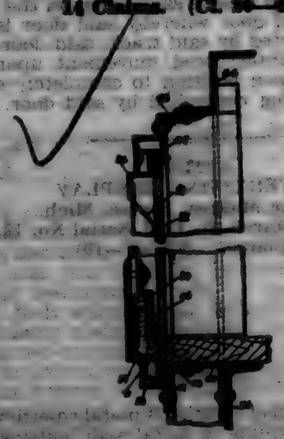
2,027,598

CAR DOOR

Carl Lois, Hammond, Ind., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Application April 19, 1934, Serial No. 721,255

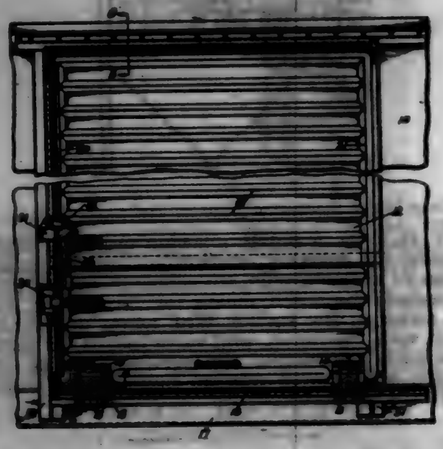
14 Claims. (Cl. 20—69)



1. Means for providing a seal between a side member and a door member movable relative to said side member, said means comprising a flexible tubular sealing strip disposed upon one

of said members and a plurality of fastening elements for securing said sealing strip thereto, each of said elements comprising oppositely extending flanges, one of said flanges being positioned upon the inside of said tubular sealing strip and the other of said flanges upon the outside thereof, and means for securing said elements to said one member, the other of said members engaging said sealing strip for the purpose set forth.

2,027,589
CAR DOOR
Thorvald Madland, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application May 8, 1933, Serial No. 669,857
16 Claims. (Cl. 20—22)



1. In combination, a door having the normal width corresponding to the door opening controlled by said door, a track, spaced rollers secured to said door within and adjacent the vertical edges thereof adapted to support said door for antifrictional movement upon said track, spaced apertures or indentures provided in said track adapted to receive said rollers in the closed position of said door whereby said door is frictionally supported by said track, said door being capable of uninterrupted movement upon said track to full open position to completely expose the door opening controlled by said door.

2,027,590
ADVERTISING DISPLAY
George Makres, Keene, Mich.
Application March 27, 1935, Serial No. 13,189
2 Claims. (Cl. 41—10)



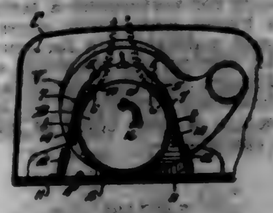
2. The method of forming a metal rosette which consists in providing a metal slab, cutting said slab to provide a comparatively long shallow gouge-like incision, consecutively providing said slab with a plurality of similar incisions each longer than the one preceding it and each underlapping the one preceding it with all of said incisions extending in the same general direction, bending the chips formed by said incisions into an arcuate form whereby each chip partially envelops the chips preceding, cutting said slab to form a second long shallow gouge-like incision extending in a direction opposite to said first named incisions and terminating at a point slightly spaced from the terminal of said first named incision, consecutively providing said slab with a plurality of incisions underlapping said second incision with each incision longer than the one preceding and each incision terminating at points spaced from the terminal points of the other incisions, bending the chips formed by said last named incisions whereby each chip is caused to partially envelop the one preceding it, and finally severing the several chips formed by the several incisions from said slab as an integral group.

2,027,591
INSOLE
Frank E. Mann, Preston, Ontario, Canada
Application September 29, 1934, Serial No. 744,185
2 Claims. (Cl. 36—32)



1. An insole having its marginal portion reduced at its lower surface to provide a flange of reduced thickness, said flange having its outer edge bent downwardly perpendicular to the remainder thereof to provide a sewing lip and a groove within which the sewing lip is adapted to be disposed.

2,027,592
VACUUM SWEEPER
Maurice L. Marotte, Carlisle, Pa., assignor of one-fourth to Arnold Bamberger and one-fourth to F. Lourene Woods, both of Carlisle, Pa.
Application October 1, 1935, Serial No. 43,696
5 Claims. (Cl. 15—15)

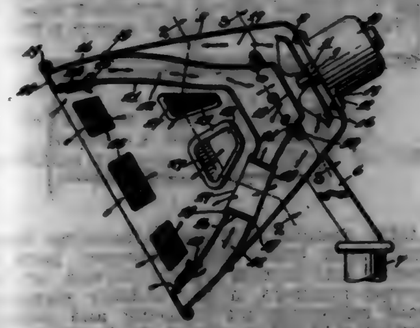


1. In combination with a vacuum sweeper, handle members pivotally connected with the upper portions and at the opposite sides thereof, said handle members having bars closely approaching one another when said handle members are in their raised position, said handle members when in their lowered position closely conforming to the sweeper.

2,027,593
DRYING APPARATUS
Wendell L. Martin, Cleveland, Ohio, assignor to The Martin Brothers Electric Company, Cleveland, Ohio, a corporation of Ohio
Application July 1, 1933, Serial No. 678,151
9 Claims. (Cl. 34—24)

9. A hair drying apparatus of the character described comprising an outer housing, an inner

hood formed to receive the portion of the head of a patron to be dried, a shell member disposed intermediate said housing and hood to form inner and outer chambers between the hood and housing, said hood having openings through its walls communicating directly with the inner chamber



and communicating with the outer chamber through conduits passing through the inner chamber and a fan for circulating air into and out of said hood through said chambers, openings and conduits.

2,027,594
TROLLEY EAR
Samuel S. Matthes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application September 13, 1933, Serial No. 689,274
7 Claims. (Cl. 191—43)

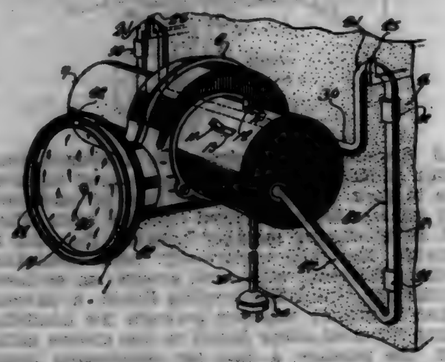


1. A channel member for a trolley wire ear comprising an elongated body formed of sheet metal and having spaced lips connected by a bight forming a groove, the bight being substantially flat along portions of the body and tapered circular openings extending through the flat bights and being larger on the groove side of the channel.

2,027,595
PORTABLE ELECTRIC DRIER
Alvin C. McCord, Chicago, Ill., and Guy L. Tinkham, Detroit, Mich., assignors, by mesne assignments, to McCord Radiator & Mfg. Co., Detroit, Mich., a corporation of Maine
Application January 20, 1932, Serial No. 587,652
8 Claims. (Cl. 34—24)

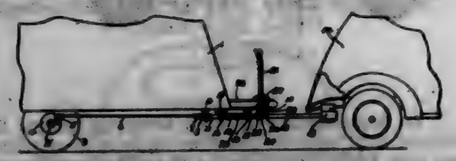
1. A portable drier comprising an elongated casing having end portions and an intermediate portion, a rotary blower and a motor located in the intermediate and one of the end portions of the casing, respectively, said motor being connected with the blower for rotating the same, a discharge nozzle for the blower carried by the intermediate portion of the casing and projecting outwardly therefrom in transverse relation to and at one side of the axis of rotation of the blower, and a support for the drier having a base portion and a pair of arms at the opposite ends of the base portion and extending outwardly from one side thereof, said base portion being substantially as long as the drier casing whereby the arms may span the drier casing over the ends of the same, said arms having pivotal connection with the drier casing on an axis substantially parallel to the axis of rotation of the blower and being substantially equal in length to dispose the base portion in parallel relation to the drier casing.

6. A portable electric drier comprising a casing, a motor-driven blower housed within the casing with the axes thereof aligned, a blower discharge nozzle carried by the casing and projecting laterally therefrom transversely of and at one side of the axis of rotation of the motor-



blower unit, a support for the drier pivotally carried by the casing and including a base arranged to be disposed in either a vertical or a horizontal plane to support the drier with the discharge nozzle in horizontal position, the pivotal connection between the support and casing being disposed on an axis substantially parallel to and eccentric of the horizontal axis of the casing whereby a greater clearance between the plane of the support and the casing is provided when the base is in a plane parallel to the nozzle than when it is vertical thereto.

2,027,596
TRAILER BRAKE CONSTRUCTION
Thurlow E. McFall, Sparta, Mich.
Application June 28, 1935, Serial No. 28,792
4 Claims. (Cl. 188—112)



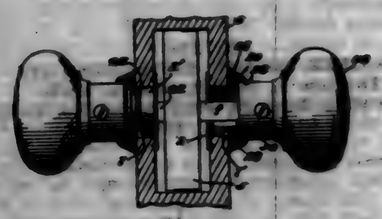
1. In combination, a trailer body, an axle extending underneath the same, wheels on the axle, brakes associated with said wheels, spaced apart front and rear brackets connected to and extending downwardly from the underside of said trailer body adjacent the forward end thereof, a rod slidably mounted upon said brackets, a collar on the rod engaging against the rear side of the front bracket, a coiled compression spring around the rod between said collar and the front side of the rear bracket, means connecting the rear end of the rod with said brakes whereby on rearward movement of the rod the brakes are operated to check rotation of the wheels or to hold the same against rotation, manually operable means for setting said brakes said manually operable means also being movable to prevent the brakes from operating.

2,027,697
TUBE WELDING MACHINE
Daniel C. McGuire, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 12, 1930, Serial No. 482,582
15 Claims. (Cl. 219—8)



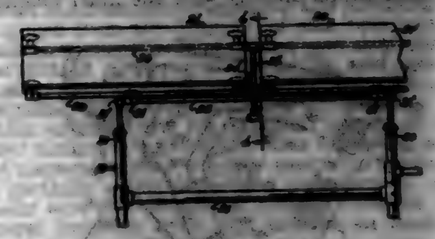
15. A welding head comprising in combination, a pair of electrode rolls rigidly secured together face to face, a groove in the face of each roll, said grooves being disposed opposite each other, and an insulating member between the rolls to separate the rolls electrically, said insulating member forming, with each groove, an enclosed conduit for circulating cooling liquid, a passage in the insulating member between the conduits, a duct for conducting liquid to one groove adjacent the passage, a duct for conducting liquid from the other groove adjacent said passage, and a dam in each groove between the passage and the duct for directing cooling liquid along substantially the entire length of the groove.

2,027,696
KNOB ROSE AND SECURING MEANS
Edward A. Moller, Baltimore, Md.
Application May 31, 1934, Serial No. 728,421
2 Claims. (Cl. 292—357)



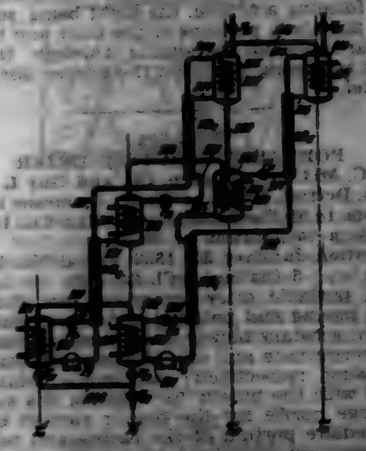
1. In combination, a rose, securing means for holding said rose in position upon a door panel, said rose having an opening therethrough for the passage of the said securing means, said rose provided with a pair of integral continuous shoulders within said opening, the outer shoulder forming a bearing for a knob, the inner shoulder forming a supporting member for the securing means, the securing means consisting of a relatively large hollow threaded female member extending outwardly through a mortise within the door panel and a relatively large hollow threaded male member threadedly receivable within said female member, the male member having about its outer portion a continuous flange member for engaging the shoulder within said rose, the said flange and male member being less in diameter than the shoulder member and opening respectively of the rose for the purpose of laterally adjusting the rose relative to the securing means.

2,027,698
FOLDING TABLE
Marville R. Nelson, Malta, Mont.
Application March 25, 1935, Serial No. 13,945
1 Claim. (Cl. 211—36)



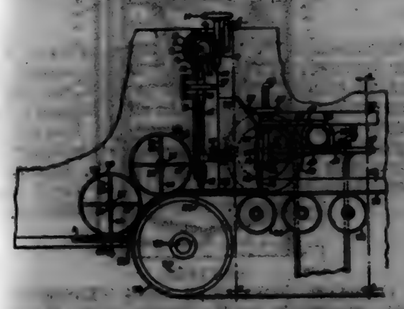
A table comprising a stand including longitudinally and transversely arranged pairs of members, anti-friction rollers carried by the transverse members, a bar slidably supported by said rollers, means hingedly and slidably connecting said bar to one of the longitudinally extending members, a transversely arranged arm secured at one end to said bar, an anti-friction roller carried by the arm and traveling on the other longitudinally extending member, a table top including elongated sections arranged in endwise relation and secured to said bar and connected to each other thereby to prevent said sections from having relative movement, and a curved arm secured to said table top and adjustably and slidably secured to the first-named arm.

2,027,610
SYSTEM FOR THE CONVERSION OF HEAT
Kurt V. Neumann, Berlin-Siemensstadt, and Edmund Altenkirch, Neuenhagen, near Berlin, Germany, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application December 16, 1933, Serial No. 702,819
In Germany December 21, 1932
6 Claims. (Cl. 62—119)



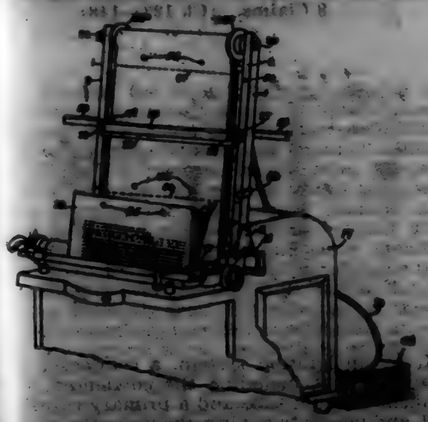
4. In a system for the conversion of heat in which at least four quantities of heat are totally supplied or carried off at different temperatures, a continuously operating absorption apparatus comprising at least four main parts, i. e., at least two operating vapor developing parts and two parts in which operating vapor is converted into another state of aggregation, at least four outer heat reservoirs in which different temperatures prevail, said heat reservoirs comprising heat sources and heat consuming devices, and heat exchange means between said main parts of the heat converter, on the one hand, and said heat reservoirs, on the other hand, at least one of said heat consuming devices serving to supply heat to a system combined with said heat converter.

2,027,611
PAPER MAKING MACHINE
Nicholas J. Nilo, Munising, Mich.
Application January 25, 1934, Serial No. 708,196
26 Claims. (Cl. 92—44)



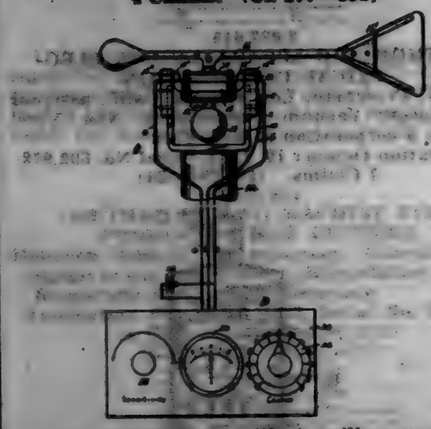
1. In a method of paper manufacture, drawing a wire along one side of a body of paper stock upwardly and horizontally to distribute the stock thereon, agitating the stock to a plurality of zones while it is being deposited upon the wire, and thereafter regulating the depth of distribution of the stock and draining the water from the stock.

2,027,613
METHOD AND APPARATUS FOR HANDLING MULTIPLE PAPER SHEETS
William C. Pfeiffer, Dayton, Ohio, assignor to The Ezzy Register Company, Dayton, Ohio, a corporation of Ohio
Application May 8, 1933, Serial No. 669,676
18 Claims. (Cl. 197—126)



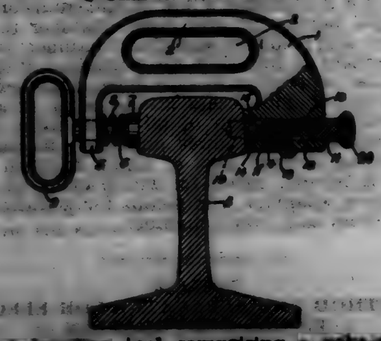
1. In combination with a typewriter having a platen, a frame attached at one end to the typewriter, a roller on the other end of the frame, said roller cooperating with the platen to support and feed a plurality of superimposed strips of paper to the typewriter, said strips first passing over the roller and then about the platen, and means on the frame to hold the strips in alignment as they approach the roller.

2,027,613
WIND ANGLE INDICATOR
Albert E. Pierce, Jr., New Bedford, Mass.
Application April 14, 1933, Serial No. 666,097
4 Claims. (Cl. 177—351)



1. In combination with a sailing vessel, two units one positioned on the upper part of the mast and the other unit on the deck, said deck unit including an indicator, a vane movable by the wind, means for transmitting said vane movements to said mast unit, means responsive to said movement in the mast unit for setting up movement in the indicator of said deck unit, and means for adjusting the deck indicator to a reference point, whereby the shift of the wind relative to the direction of the vessel may be observed on deck by the skipper and action may be had to take advantage thereof.

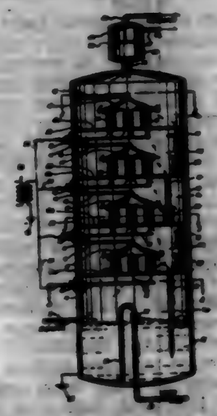
2,027,614
APPARATUS FOR BONDING RAILS
Pliny P. Pipes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application April 17, 1934, Serial No. 721,063
8 Claims. (Cl. 1—47)



1. A bonding tool comprising a yoke-shaped frame to receive the head of a rail between its spaced arms, one arm having a slidably mounted holding member to engage one side face of the rail head, a spring urging the holding member to its advanced position, the other arm of the frame having a through passage with one opening opposite the other side face of the rail head,

the passage at the rail end arranged to receive and fit the head of the bond, a sliding drive member mounted in the passage and one end projecting therefrom and having a counter-sink in the end of the other end of the driving member to receive the end of a pin to be driven into the terminal, the spring advanced holding member holding the tool in position on the rail with the bond head mounted in the said end of said passage.

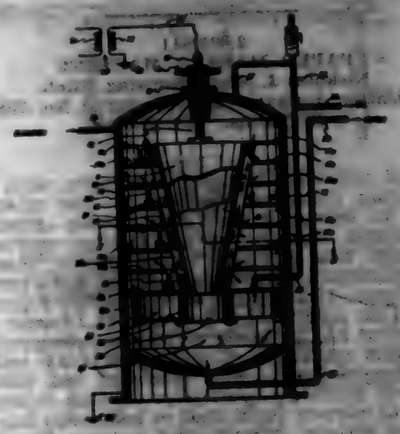
2,027,615
METHOD AND APPARATUS FOR ELECTRICAL DEHYDRATION
Paul W. Prutzman, Los Angeles, Calif., assignor to Sweeny-Vacuum Corporation, New York, N. Y., a corporation of New York
Application October 10, 1933, Serial No. 692,978
7 Claims. (Cl. 204—24)



1. An electrical dehydrator comprising: a shell; a horizontal partition dividing said shell into upper and lower chambers; a grounded electrode in the form of a tube projected from said partition and affording the sole means for the upward passage of liquid from said lower to said upper chamber; a live electrode in the form of an attenuated electrical conductor and means insulated from said shell for axially supporting said live electrode within said grounded electrode; means for maintaining a static electrical field between said electrodes and within said passage; means for introducing a flow of said emulsion into a medial portion of said lower chamber to flow through said field into said upper chamber; means independent of said tube for continuously draining water separating in said upper chamber into said lower chamber, said means being arranged to prevent the return of oil or emulsion from said upper to said lower chamber; means for preventing upward flow of liquid through said draining means; means for withdrawing oil from said upper chamber, and means for withdrawing water from said lower chamber.

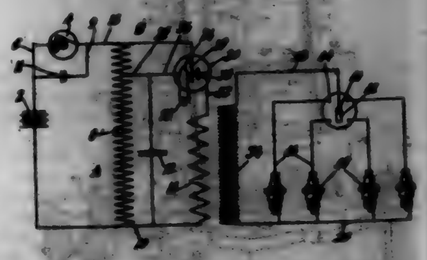
2,027,616
METHOD AND APPARATUS FOR ELECTRICAL DEHYDRATION
Paul W. Prutzman, Los Angeles, Calif., assignor to Sweeny-Vacuum Corporation, New York, N. Y., a corporation of New York
Application October 10, 1933, Serial No. 692,980
11 Claims. (Cl. 204—24)

1. An electrical dehydrator, comprising: a vertically arranged and substantially closed shell; a live electrode in the form of an electrically conductive cone, at least one end of said cone being closed; means insulated from said shell for supporting said cone in substantially the center of said shell with the smaller end of said cone directed downwardly; a grounded electrode in the form of a wire screen surrounding, spaced from and parallel to said live electrode; a plurality of horizontally disposed and vertically



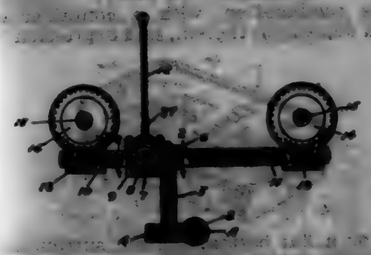
spaced plates projected from the vertical walls of said shell to contact and support said screen, every alternate plate being provided with an opening adjacent said shell wall; means for impressing an electrical potential on said electrodes; means for introducing a flow of emulsion into said shell above said live electrode, and means for withdrawing water and oil from said shell below the lowermost of said plates.

2,027,617
IGNITION CIRCUIT
Donald W. Randolph, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 11, 1935, Serial No. 20,915
8 Claims. (Cl. 123—149)



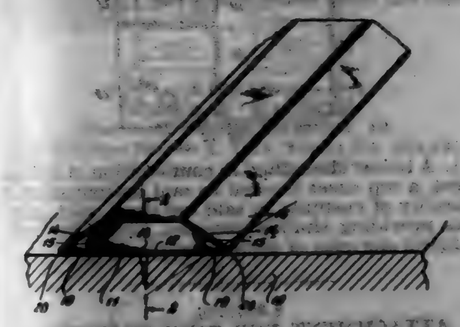
1. In an ignition system, a condenser, a discharge circuit including the condenser, a three element vacuum tube and a primary transformer coil, and means to apply a charge to the condenser said means including an induction coil, a portion of which charges the condenser and the remainder supplies energy for the grid to time the same and control the breakdown of the tube to allow electron flow and the condenser to discharge.

2,027,618
POWER TRANSMISSION
Adolph Rensing, Minneapolis, Minn.
Application April 14, 1933, Serial No. 16,156
16 Claims. (Cl. 74—329)



1. A control mechanism of the character set forth comprising a driving shaft disposed intermediate the ends of two driven shafts arranged at right angles with respect thereto, intermeshing gears on said driving and driven shafts, clutches for respectively connecting and disconnecting the driving and driven shafts and gears, and a single shipper lever movable in a plurality of directions for controlling all of said clutches.

2,027,619
CONDUIT FOR ELECTRIC WIRING
Charles E. Rutherford, West Hartford, Conn., assignor to The Wiremold Company, Hartford, Conn., a corporation of Connecticut
Application April 27, 1935, Serial No. 18,555
1 Claim. (Cl. 247—37)



In a conduit for electric wiring suitable for installation as a floor raceway, a channel member adapted to be fastened to the floor and having upwardly extending flanges, said channel member being adapted to receive electric wires, a cover member of substantially greater width than said channel member for closing said channel and adapted to extend into substantial contact with the floor at its outer edges, said cover member being so shaped as not to present an obstacle to a person walking over the floor and having flanges extending inwardly from the outer edges thereof, the two members together constituting an enclosure for electric wires, projections on the upwardly extending flanges of said channel member cooperating with the inwardly extending flanges on the cover member to hold the cover member in place after it is snapped onto the channel member, the said upwardly extending flanges of said channel member tending to support the upper portion of the cover member whereby additional strength and rigidity are secured.

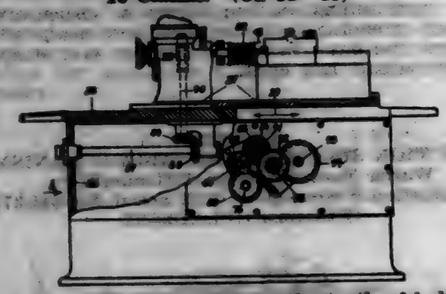
462 O. G.—22

2,027,620
SCOOTER
Elbert E. Schaad, Berkeley, Calif.
Application April 24, 1934, Serial No. 722,113
18 Claims. (Cl. 280—182)



1. A scooter comprising a foot board, a wheel supported plate and a strap anchored to the plate for removably securing the plate to the bottom face of the board the strap having means underneath the board for adjusting the length thereof.

2,027,621
METHOD OF AND MACHINE FOR PRODUCING HOB CUTTERS
Heinrich Schlebi, Hochemgarten, Germany, assignor to the firm W. Ferd. Klingelnberg Söhne, Remscheid-Berghausen, Germany
Application August 20, 1932, Serial No. 629,685
In Germany August 25, 1931
16 Claims. (Cl. 51—45)

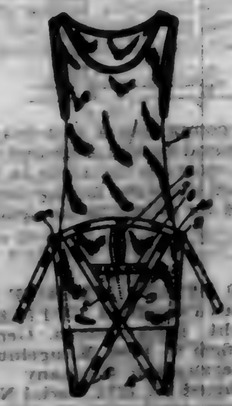


1. A machine for relieving the teeth of helical hobs having threads with concave pitch and root lines, comprising a work slide having a rotatable work support thereon; a tool support having a tool fixed thereon; a bed upon which the work slide is slidable in the direction of the axis of the work piece, and upon which the tool support is slidable in a direction perpendicular to the axis of the work piece; means for turning the work piece about its axis; means for displacing the work slide along the tool in the direction of the work piece axis; means for displacing the tool support perpendicular to the work piece axis for adjusting the working depth of the tool on the work piece; means for imparting relieving movement to the tool in a direction radial to the work piece axis; and means for imparting an additional radial movement to the tool with respect to the work piece and at such a ratio to the velocity at which the work piece is moving along the tool, that the tool follows concave pitch and root lines and generates teeth of varying thickness on the work piece.

2,027,622
SHIRT SUSPENSORY
Orville Stam, Los Angeles, Calif.
Application February 26, 1935, Serial No. 7,415
10 Claims. (Cl. 128—159)

1. A garment comprising a skirt portion of stretchable material and having substantially non-stretchable tape applied thereto to form a substantially triangular design having its apex adjacent the bottom of the skirt and its sides

substantially conforming to the lines of the groin of the wearer and its base extending across the abdomen, a transverse tape across said triangle intermediate the base and apex whereby the base of said triangle forms an abdomen support and



the remainining portion forms a suspensory, straps extending from the apex, and means adjacent the base corners to support said straps intermediate their ends.

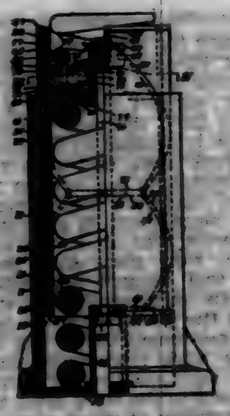
1,927,622

FRICTION SHOCK ABSORBING MECHANISM

Walter Merville Austin, Pittsburgh, Pa.

Application November 5, 1932, Serial No. 641,379

17 Claims. (Cl. 213—31)



1. In a friction shock absorbing mechanism, a pair of relatively movable members having engaging surfaces, means for expanding one of said members to press said engaging surfaces together, means for exerting a force to be transmitted to said expanding means, and means between said force exerting means and said expanding means for causing the magnitude of the force applied to said expanding means to be greater than the magnitude of the force exerted by said means for exerting the force and said means for exerting the force opposing relative movement of said pair of members upon the application of load to the friction shock absorbing mechanism.

1,927,624

COMBINED LABEL AND CAR-SPINNER HOLDER

Lloyd W. Bastow, South Portland, Maine

Application August 6, 1924, Serial No. 732,644

2 Claims. (Cl. 40—7)

2. The combination, with a container cover having a depression therein, said depression being



defined by a flat bottom portion surrounded by wall portions rising at right angles thereto, of a card, having indicia impressed thereon, disposed in said depression, said card closely fitting the walls of said depression and frictionally held therein by the engagement of its edges with said walls, and a transversely sheared portion of said card having a diagonal, symmetrically made slit dividing said portion into two ears adapted to be forced outwardly for tool-embracing and holding purposes.

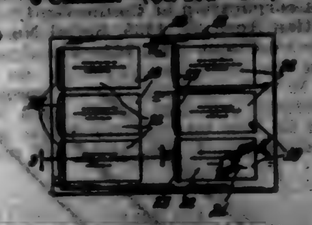
1,927,818

SHEET HOLDER

John Bauer, Chicago, Ill.

Application June 20, 1924, Serial No. 722,234

6 Claims. (Cl. 101—407)



1. A holder including, in combination, a bottom sheet, a top sheet secured to said bottom sheet, a plurality of openings in said top sheet, said openings providing shallower recesses, and a lip overhanging one edge of each recess.

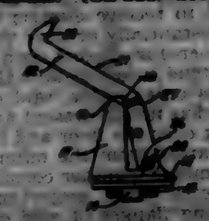
1,927,826

ATTACHMENT FOR TIRE CHANGING MACHINES

Harry J. Bernhard, Pasadena, Calif.

Application December 26, 1924, Serial No. 758,127

4 Claims. (Cl. 144—288)



1. In combination with a tire changing machine having movable gripping blocks thereon, said blocks being characterized as having an upright member and a hook-shaped base lug, disposed oulmost with relation to the spindle, an attachment arm adapted to overhang the upright and to be engaged by the lug and to interlock with said lug at the base thereof.

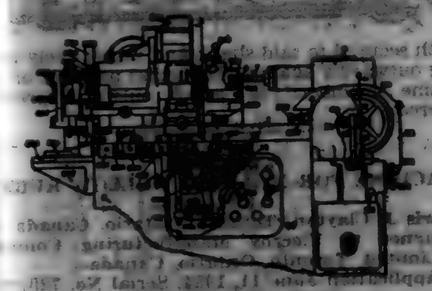
1,927,827

GRINDING MACHINE

Harold L. Head and Alfred F. Bowen, Worcester, Mass., assignors to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts

Application August 4, 1923, Serial No. 656,310

25 Claims. (Cl. 51—34)



1. In apparatus of the class described, a work-supporting structure comprising a rotating drive wheel engaging with the periphery of a work-piece, a supporting member engaging said work-piece, a pressure member resiliently engaging said workpiece for holding said workpiece in engagement with the drive wheel and the support, and a backing plate engaging the workpiece to prevent axial movement thereof in the work-supporting structure, and a plug gage member axially slidable within the backing plate for entry within the bore of the workpiece when the latter reaches a desired size.

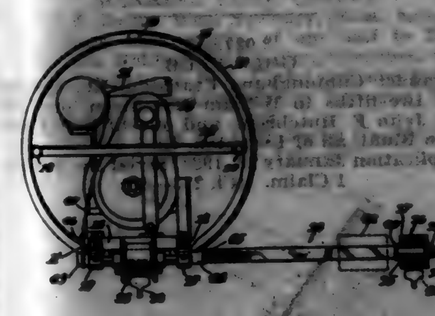
1,927,830

ROADWAY MACHINE

Martin D. Bowen, Savanna, Ill.

Application March 9, 1923, Serial No. 624,231

6 Claims. (Cl. 105—177)



1. A railway machine adapted to travel along a railroad track, the combination of a base frame, front and rear wheels arranged in tandem supporting the frame over one of the track rails, apparatus mounted on the frame with its center of gravity substantially in vertical alinement with said rail, a guide arm projecting from the frame in the direction of the other rail and adapted to ride upon said other rail to steady the machine on the track, said arm being capable of being attached to and quickly removed from either side of the base frame.

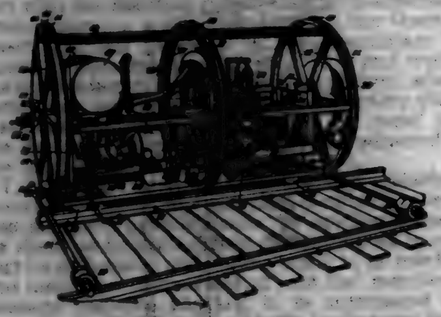
1,927,829

ROADWAY MACHINE

Martin D. Bowen, Savanna, Ill.

Application March 2, 1924, Serial No. 713,874

16 Claims. (Cl. 105—162)



1. In a roadway machine, a main frame comprising side pieces connecting spaced end frames, each having a circular loop and braces connecting the loop with a center bearing, flanged wheels aligned lengthwise to the main frame to bear it on a rail, trunnions journaled in the center bearings, one being hollow, hangers depending from the trunnions, an apparatus bed carried by the hangers, apparatus on the bed, and a cable extending from the apparatus through the hollow trunnions.

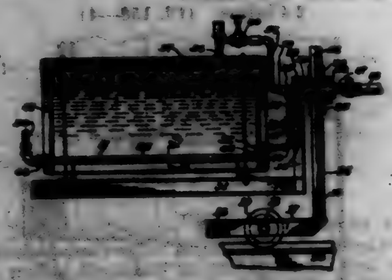
1,927,830

ROADWAY MACHINE

Martin D. Bowen, Savanna, Ill.

Application April 25, 1924, Serial No. 722,254

6 Claims. (Cl. 184—3)



1. A railway track oiler comprising a wheeled vehicle having a tank for oil and air, means to deliver compressed air to the tank below the surface of the oil, a mixer, valve controlled means connecting the mixer with the tank adjacent to the bottom, other valve controlled means connecting the mixer with the tank adjacent to the top, and a valved delivery nozzle connected to the mixer to receive mixed oil and air therefrom.

1,927,831

REFRIGERATION APPARATUS

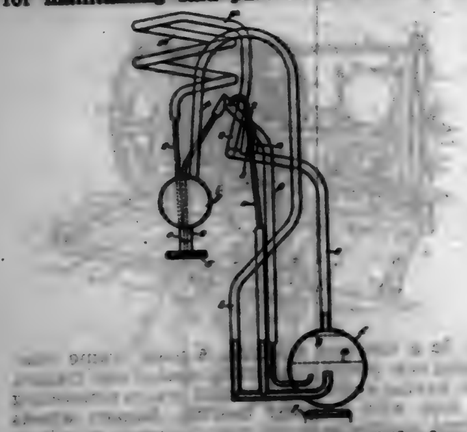
Lee S. Chadwick, Shaker Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio

Application March 10, 1923, Serial No. 624,275

25 Claims. (Cl. 62—120.5)

8. In refrigeration apparatus of the class set forth including evaporator and generator-absorber sections and incorporating a conduit for returning residue liquid from the evaporator section to the generator-absorber section at the be-

ginning of a heating period, means for maintaining a part of said conduit at a relatively low temperature for a predetermined interval of time after the beginning of each heating period and for maintaining said part at a relatively high



temperature during the remainder of the heating period.

2,027,632
OIL BURNING APPARATUS
Lee S. Chadwick, Shaker Heights Village, Mare Rosck, Cleveland Heights, and John Alger Dahlstrom, Bay Village, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Original application July 27, 1929, Serial No. 381,690. Divided and this application April 1, 1932, Serial No. 603,962
2 Claims. (Cl. 158—4)



1. In a rotary oil burner, the combination of an atomizing cup supported for rotation on a substantially vertical axis and whose lip constitutes its discharge end, means for supplying oil to said cup, means for spinning the cup, and a hearth rim surrounding the cup in spaced relation thereto, said hearth rim flaring upwardly at a slight angle to the vertical and having an inwardly facing circumferential groove, having its center in substantially the plane of the discharge end of the cup, the inner surface of the rim above and immediately below the groove being in a substantially common plane.

2,027,633
ROOT CUTTER FOR SEWER PIPES
George J. Christian, Northfield, Minn.
Application August 14, 1933, Serial No. 685,693
1 Claim. (Cl. 15—104.36)

In a root cutter for use in sewer pipes and the like, a shank, a pair of elongated frame members attached to said shank and extending forwardly and outwardly from one end thereof in spaced relation, an arcuate cutter bar secured at two portions thereof to the forward portions of the respective frame members so as to be disposed in substantially concentric relation to the axis of said shank and a pair of resilient elements



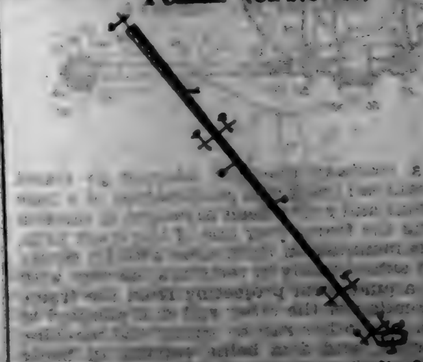
both secured to said shank and respectively bearing outwardly against the medial portions of said frame members to exert outward pressure thereon.

2,027,634
MACHINE FOR MOLDING HOLLOW RUBBER ARTICLES
Lewis J. Clayton, Toronto, Ontario, Canada, assignor to Viceroy Manufacturing Company Limited, Toronto, Ontario, Canada
Application June 11, 1934, Serial No. 730,504
5 Claims. (Cl. 18—6)



1. In a machine for molding hollow rubber articles, the combination with a heat chamber slotted in one side, mold-carrying arms extending through the slot in said heat chamber and conveying the molds therein, and guide means supporting said arms in passage through said heat chamber, of a guide rail spaced above the means for guiding the mold-carrying arms with their operating position in the molds in the heating chamber, and means for optionally shifting said mold-carrying arms to and from the upper guide rail.

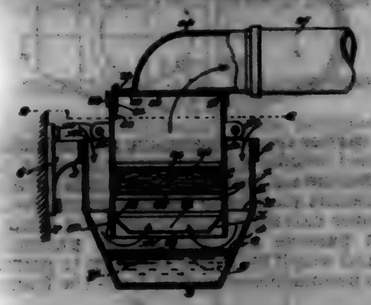
2,027,635
GOLF CLUB
Alexander Cunningham, Evanston, Ill., assignor of two-fifths to William Hutchison, one-fifth to John F. Hutchison, and one-fifth to Carlton Blunt, all of Evanston, Ill.
Application January 23, 1931, Serial No. 511,769
1 Claim. (Cl. 273—80)



In a golf club construction, a shaft of substantially round cross section on the front surface

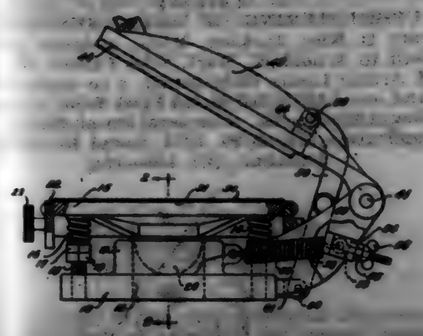
and provided with a groove on the rear surface whereby to increase the air resistance on the back swing, said groove being of a width approximately equal to the maximum width of the shaft.

2,027,636
AIR CLEANER
Robert E. De Bell, Spokane, Wash.
Application April 2, 1935, Serial No. 14,478
9 Claims. (Cl. 183—15)



1. In an air cleaner, an annular housing having a bottom portion adapted to contain an air cleaning liquid, a cylindrical cartridge shell in said housing and of reduced diameter with respect thereto to form therewith an annular air ingress passage leading toward the liquid, the interior of said shell forming a conduit for egressing cleaned air and said shell having a lower air velocity controlling edge, the lower portion of said housing converging and coacting with said edge to increase or decrease the velocity of the air dependent upon the position of said shell, an air cleaning cartridge in said shell for cleaning the air egressing through said conduit, and means for holding said shell in relatively different positions of adjustment with respect to said housing.

2,027,637
METHOD OF AND APPARATUS FOR MARKING SHOE UPPERS
Charles F. Eaton, West Newbury, Mass., assignor, by mesne assignments, of one-half to North American Holding Corporation, Syracuse, N. Y., a corporation of New York, and one-half to Parshad Holding Corporation, Syracuse, N. Y., a corporation of New York
Application April 16, 1934, Serial No. 720,690
10 Claims. (Cl. 101—397)



1. The method of marking blanks for shoe uppers and the like by means of a pigmented transfer sheet and a marking plate having marking projections thereon delineating the design to be applied to the blank, which comprises interposing the blank between the marking plate and the transfer sheet so that the surface to be marked is in contact with the pigmented surface of the transfer sheet and the opposite surface is in contact with the marking projections on the marking plate, disposing a slip plate beneath the transfer sheet, applying pressure to the assemblage by means of opposed pressure members, and during the application of pressure causing a slight lateral movement between the assembled marking plate, blank and transfer sheet on the one hand and the pressure member and slip plate adjacent to the transfer sheet on the other hand.

7. Marking apparatus comprising relatively movable cooperating pressure members, one of said members having means for holding a transfer sheet on its surface and being adapted to support an embossing plate and a blank to be marked, and means on the surface of said last mentioned pressure member adapted to be interposed between the transfer sheet and the underlying pressure member to provide a smooth and non-yielding slipping surface engageable with the under surface of said transfer sheet, said means being operative to effect a relative slippage between said transfer sheet, embossing plate and blank on the one hand, and one of said pressure members on the other hand.

2,027,638
POWER TAKE-OFF
Fredrick Forsberg, Robert A. Forsberg, and Casper C. Forsberg, Rural Municipality of Dauphin, Manitoba, Canada
Application October 7, 1932, Serial No. 636,668
3 Claims. (Cl. 287—108)



3. The combination with the forward end of the crank shaft of an internal combustion engine, of a pulley mounted on the forward end of the crank shaft, said pulley having a forward cavity surrounding the crank shaft and driving ribs extending into the cavity, the hub thereof to the rear of the cavity being interiorly tapered, a longitudinally split friction cone mounted on the shaft and entering the hub and a nut screw threaded on the front end of the shaft and engaging the cone and a coupling receivable into said cavity and engageable with said ribs.

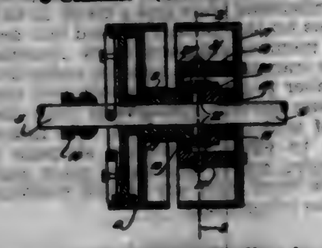
2,027,639
AUTOMATIC SHAKER SHOVEL
Robert Gibson, New Waterford, Nova Scotia, Canada, assignor of thirty-seven and one-half percent to Joseph Kalbfleisch, New Waterford, Nova Scotia, Canada, and thirty-seven and one-half percent to Peacock Brothers Limited, Montreal, Quebec, Canada
Application July 29, 1932, Serial No. 625,899
In Canada July 31, 1931
8 Claims. (Cl. 198—220)

1. In a device of the class specified the combination of a reciprocating trough section and a

shovel trough section mounted to slide thereon and means to feed the second section in either direction, mounted under the first section, having ropes at the sides of the second section adapted to control its movement.

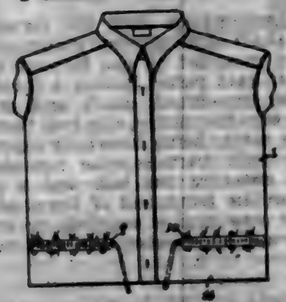


2,027,643
POWER DEVICE
John J. Hartl, Cedar Rapids, Iowa
Application August 13, 1934, Serial No. 739,631
6 Claims. (Cl. 74—328)



1. A power mechanism including in combination a through shaft, a pulley rotatably mounted on and with reference to the shaft, a clutch for engaging the pulley to the shaft, a sleeve having a bevel gear thereon engaged to the pulley, a second sleeve having an oppositely disposed bevel gear secured to the shaft, a second pulley rotatably mounted on the journals formed by the two sleeves and having a pinion adapted to engage the teeth of the bevel gears, and means for selectively applying a braking action to the pulleys.

2,027,644
SHIRT
Sidney Heymann, Brooklyn, N. Y., assignor to Estelle Heymann, Brooklyn, N. Y.
Application July 17, 1935, Serial No. 31,786
4 Claims. (Cl. 2—106)



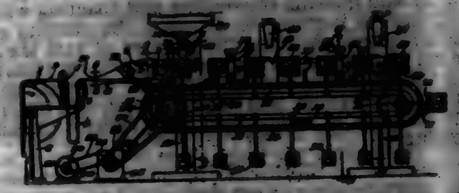
1. A garment of the class described having means for holding it from rising on the wearer, comprising an elastic strap carried by the shirt at the waist portion and located on the inner surface of the shirt, tie strings fastened to the ends of the elastic band for stretching the latter about the waist of the wearer, means for fastening together the flaps of the shirt, one of said means being located below the elastic band whereby the tie strings are concealed, and means securing said elastic band at its intermediate portion to the shirt, the remainder of the band being free.

2,027,645
PHOTOGRAPHIC PLATE AND APPARATUS FOR LOADING THE SAME
John C. Hewitt, Jr., and Vivian Edward Kuster, Long Beach, Calif., assignors to Hewitt-Kuster Company, Long Beach, Calif., a co-partnership
Application February 25, 1935, Serial No. 7,318
11 Claims. (Cl. 95—78)



1. A carrier for photographic plates adapted to be carried within a photographic loading device which includes a frame with relation to which a photographic plate may be temporarily associated, a cover carried by the frame and adapted to prevent passage of light to the photographic plate, and which may be withdrawn to permit the plate to become disassociated from the frame.

2,027,646
METHOD OF MANUFACTURE OF CELLOPHANE BAGS
William R. Howard, Washington, D. C., assignor to U. C. T. Corporation, Washington, D. C., a corporation of Delaware
Application December 31, 1934, Serial No. 759,945
4 Claims. (Cl. 226—53)



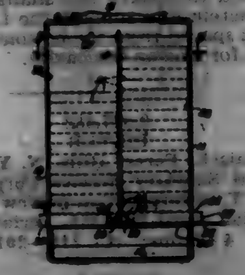
1. A method of packaging dry, loose material such as tea or the like which comprises, discharging a predetermined quantity of tea into a folded piece of cellophane, crimping opposite edges of said folded piece of cellophane including the folded edge thereof, sewing one of said crimped edges, rotating said folded cellophane, crimping the remaining opposite edges and sewing the same.

2,027,644
UPHOLSTERING OF METAL SURFACES
Henry O. Klee, Jackson, Mich., assignor of one-half to Arnold W. Merf, Niles Center, Ill., and J. Arthur Lyons, Chicago, Ill., a co-partnership, and one-half to All Metal Card Table Corporation, Chicago, Ill., a corporation of Illinois
Application March 20, 1933, Serial No. 663,384
1 Claim. (Cl. 155—184)



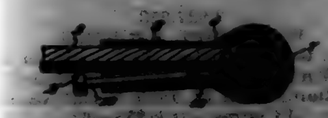
An upholstered article of the class described comprising a light gage sheet metal surface of relatively high modulus of elasticity, a groove of substantial depth having parallel sides located in said surface, bordering the upholstered area, a relatively thin yet flexible tightly twisted textile cord of substantially circular cross section, an upholstering material covering said area and carried by said cord into said groove, and a hole located in the bottom of said groove through which an end of said cord extends whereby said cord may be tightly and neatly positioned in said groove, the walls of said groove bearing resiliently against said cord and material to frictionally clamp said material in said groove.

2,027,645
DISPENSING AND ADVERTISING CONTAINER
Frank A. Marx, Cincinnati, Ohio, assignor to The Richardson Taylor-Globe Corporation, Cincinnati, Ohio, a corporation of Ohio
Application May 3, 1934, Serial No. 722,741
4 Claims. (Cl. 206—44)



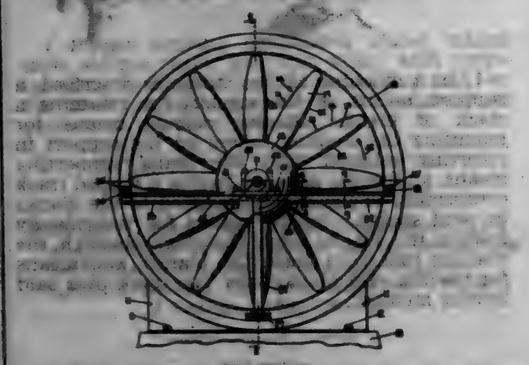
1. A dispensing container comprising a container body, a vertical partition in the body dividing the interior into two compartments each adapted to receive a stack of dispensable articles, the container body adjacent the bottom being provided with a pair of oppositely-disposed dispensing apertures each associated with one of said compartments, a tongue in one of said compartments adjacent the bottom thereof and beneath the stack of articles normally disposed therein, said tongue having one end extending exteriorly of its compartment through the associated dispensing aperture, and a link member hingedly connected with the inner end of said tongue and the lower end of said partition and normally disposed vertically between the lowermost articles of said stacks, said link member upon inward or outward movement of said tongue being adapted to project the lowermost dispensable article in one or other of said compartments through the associated dispensing aperture.

2,027,646
BATTERY TERMINAL
Thomas H. McGrath, Detroit, Mich.
Application January 15, 1934, Serial No. 706,597
1 Claim. (Cl. 173—329)



1. A device of the class described including an elongated body of relatively soft metal having a head at one end formed with an opening adapted to receive a battery post, a ring of relatively hard metal embedded in the head concentrically thereof and reinforcing the head, said body being formed with a longitudinally extending socket to receive a battery cable, and a bolt extending longitudinally through the body at one side of the socket and through the ring and head into the post receiving opening of the head, said bolt having a portion projecting into the socket for clamping engagement with a cable to hold the cable in the socket, means being provided to adjustably mount the bolt for longitudinal movement to shift its inner end into and out of abutting engagement with the post whereby the device may be removably clamped about the post.

2,027,647
VENTILATOR
William J. Montgomery, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application October 17, 1931, Serial No. 569,484
3 Claims. (Cl. 230—120)

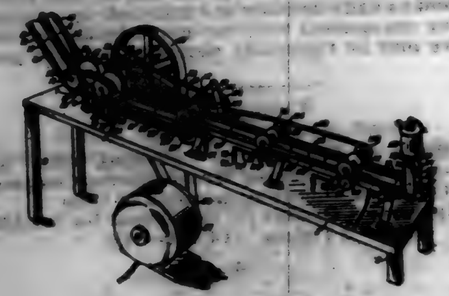


1. In a ventilator, the combination with a casing, of a rotary support having flat faces on opposite sides thereof, aerofoil propeller blades each having a relatively thick leading edge and a relatively thin trailing edge and each having spiraled surfaces on opposite sides thereof to provide a graduation in the pitch angles radially outward on such opposite sides, and means for detachably securing said propeller blades on one side of said rotary support for rotation with the latter in one direction and on the other side thereof for rotation with the latter in the opposite direction, the mounting of said propeller blades being on the flat surfaces of said rotary support and enabling the fan comprising the propeller blades to rotate in one direction or the other in substantially the same plane relative to said casing.

2,027,648
REFINING OF PETROLEUM OIL
Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
No Drawing. Continuation of application No. 164,131, January 27, 1927. Division of application December 9, 1926, Serial No. 74,393. This application October 21, 1929, Serial No. 401,911
2 Claims. (Cl. 196—33)

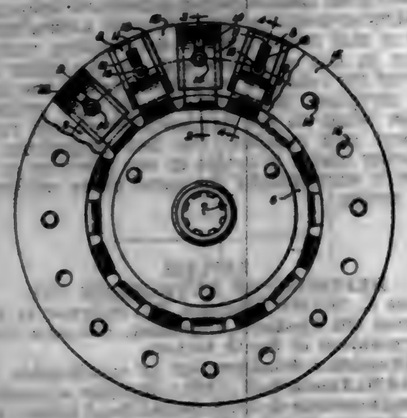
1. Steps in the process of refining a lighter gravity liquid product produced from the cracking of petroleum oil, comprising subjecting the oil first to the action of a mixture of nitric and acetic acids, and then to the action of concentrated sulphuric acid, to remove or convert objectionable compounds present in said lighter gravity liquid product.

2,027,649
MACHINE FOR SHAPING CARDBOARD ARTICLES
Edwin H. Newton, Kansas City, Mo., assignor to National Paper Box Co., Kansas City, Mo., a corporation of Missouri
Application September 18, 1933, Serial No. 689,943
12 Claims. (Cl. 93—1)



1. In a machine of the character described, a support, means on the support for retaining a stack of blanks, shaping rollers, means for mounting the shaping rollers on the support in receiving relation with the blank supporting means, an ironing member having a shaped track conforming to the shape imparted to the blanks by said shaping rollers, means for individually feeding the blanks from the stack through the shaping rollers to shape the blanks, and means for moving said blanks over the track over said ironing member.

2,027,650
CLUTCH PLATE
Harold Nutt, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 25, 1935, Serial No. 18,168
5 Claims. (Cl. 192—107)



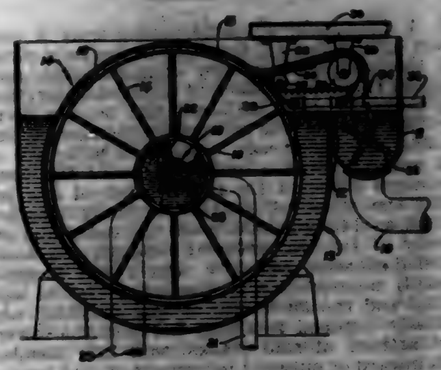
1. A clutch plate comprising a disc, tongues at the periphery of the disc alternately and oppositely bent from the plane thereof, separate cushion members mounted on opposite sides of adjacent tongues, and friction facings arranged on opposite sides of the disc and engaging the tongues and said cushion members alternately to cushion both of the facings during engagement of the clutch.

2,027,651
MOLD FOR THE PRODUCTION OF RUBBER HEELS
Dominic Penardi, Stoughton, Mass., assignor to Panther-Panco Rubber Co. Inc., Chelsea, Mass., a corporation of Massachusetts
Application July 11, 1934, Serial No. 734,525
3 Claims. (Cl. 18—42)



1. A mold for rubber heels comprising a cavity portion, a plurality of hollow mold pins projecting from the bottom of the cavity portion and designed to receive the shank of a headed fastener therein and support the fastener at the headed end spaced from the bottom of the cavity, and means for closing the cavity.

2,027,652
FILTER
William Raisch, Forest Hills, N. Y., assignor to Municipal Sanitary Service Corporation, New York, N. Y., a corporation of New York
Application April 25, 1935, Serial No. 18,067
4 Claims. (Cl. 210—391)

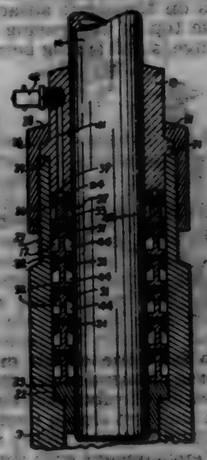


1. The method of removing cake from the drum of a rotary filter which comprises throwing a liquid spray on the peripheral surface of the drum in a direction opposite to the direction of movement of said surface and removing cake in a continuous sheet from said peripheral surface by a rearward and outward brushing action on said peripheral surface in advance of the spraying action.

2,027,653
WASH PIPE PACKING
Richard T. Reyo, Houston, Tex., assignor to Grey Tool Company, a corporation
Application March 28, 1935, Serial No. 13,468
4 Claims. (Cl. 285—9)

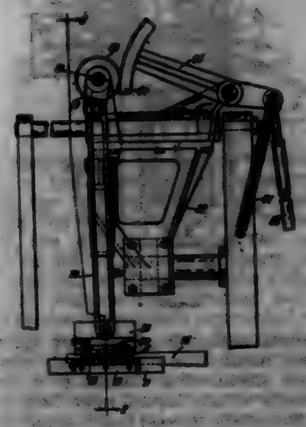
4. A multiple U-packing assembly for sealing between relatively rotating members including a plurality of U-packing rings faced in the direction of the applied pressure, spacers between said U-packing rings, said packing rings and spacers being adapted to rotate with one of said members

a lubricant port formed in the uppermost spacer, and a lubricant passage through the top U-packing and terminating in said port whereby a lubricant may be forced into the packing system at a



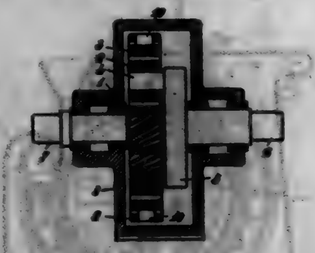
point beneath the top U-packing and between the packing assembly and the rotating member with which it seals.

2,027,654
BAG FORMING MACHINE
David Schmidt, Cleveland, Ohio, assignor to The Dobeckmun Company, Cleveland, Ohio, a corporation of Ohio
Application September 4, 1934, Serial No. 742,593
12 Claims. (Cl. 93—35)



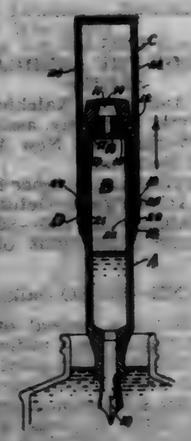
1. The combination in a bag forming machine of means for severing a tubular stock transversely, a cutter operating upon the stock at the rear of the transverse cut, and formed to cut longitudinally and transversely of the stock to form wings on opposite sides of the center line thereof, and movable gripping means adapted to seize the upper panel of the stock and move it rearwardly to form a diamond fold.

2,027,655
PLANET GEARING
Wilhelm Steeckicht, Munich-Solln, Germany
Application June 4, 1932, Serial No. 615,419
In Germany June 12, 1931
2 Claims. (Cl. 74—805)



1. Planet gearing comprising planet wheels with oblique teeth, an orbit wheel with corresponding teeth, and means supporting said orbit wheel in such manner as to enable it to perform a pendulous motion.

2,027,656
FOUNTAIN PEN
William O. Tassie, St. Boniface, Manitoba, Canada, assignor of one-half to James Armstrong Richardson, Winnipeg, Manitoba, Canada
Application May 25, 1934, Serial No. 727,525
5 Claims. (Cl. 120—47)



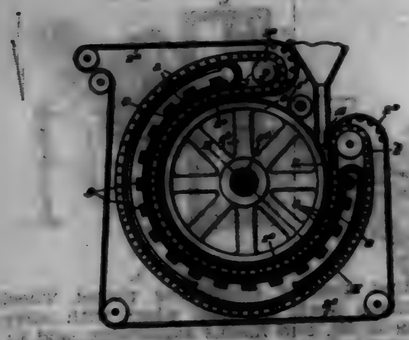
1. Improvements in fountain pens comprising, in combination with a barrel, reservoir and writing point, means for drawing fluid into said reservoir comprising a capping sleeve provided with orifices capable of being manually sealed, a threaded collar encircling the exterior of said barrel, a packing ring within said collar, a valve cap upon said pen, a float valve within said valve cap, a passageway extending through said valve cap, said passageway permitting communication between the interior and exterior of said valve upon manual operation thereof, said float valve acting to seal the interior orifice of said passageway when the level of the float within the reservoir reaches said valve.

2,027,052

PRESS FOR DEHYDRATING COLLOID MATERIAL

Mathieu van Roggen, Spitsmeet, and Leo Robin, Brussels, Belgium

Application February 16, 1933, Serial No. 657,143
In France February 17, 1932
8 Claims. (Cl. 100—37)



1. In combination in a press for dehydrating colloid material, a pair of cooperating endless members, a backing for one of said endless members, means for pressing the second of said endless members against the first of said endless members, and elastic means interposed between the second of said endless members and said pressure means, said elastic means comprising parallel rails each made of a single continuous rail extending throughout the portion of the press where pressure is exerted.

2,027,053

DYESTUFFS OF THE ANTHRAQUINONE SERIES

Klaus Weinand and Ernst Kalckbrenner, Leverkusen I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application October 13, 1933, Serial No. 693,392. In Germany October 31, 1932
3 Claims. (Cl. 260—40)

1. Anthraquinone compounds of the general formula:

A—(NH—R—SO—alk)$_n$

wherein A stands for a radical of the anthraquinone series, R stands for a radical of the benzene series, alk stands for an alkyl group and n stands for one of the numbers one and two, and wherein at least one sulfonic acid group is present in the molecule, being in form of their alkali metal salts generally crystalline dark metallic lustrous powders, easily soluble in water and dyeing wool from an acid bath generally bluish to greenish shades.

2,027,659

CLUTCH STRUCTURE

Carl C. Weisbrod, Newton, Iowa, assignor to One Minute Washer Company, Newton, Iowa, a corporation

Application May 1, 1933, Serial No. 668,761
3 Claims. (Cl. 192—67)

1. In a structure of the class described, a gear casing comprising upper and lower members, a shaft journaled in the lower member and projecting through the upper member, an angular block fixed on the shaft within the casing, a clutch member having an angular hole slidably receiving the block, and provided with an annular flange, a clutch member rotatable on the shaft below the first clutch member held by the lower gear casing member against downward movement, washers on the shaft adjacent to the under side of the top of the casing and the upper face of the flange, a coil spring between the washers tending to hold the clutch members in engagement, a rod journaled in the upper gear casing member, a collar fixed on the rod, with its arms receiving the first clutch member below the flange thereon and adapted to lift the first clutch member out of engagement with the second clutch member when the rod is rocked, and an over center spring device for holding the rod in either of two positions to which it may be rocked.

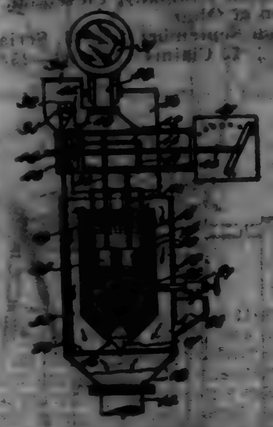


2,027,668

FREENESS DETECTOR

Harold Donald Wells, Glens Falls, N. Y.

Application July 22, 1926, Serial No. 725,543
11 Claims. (Cl. 92—28)



1. A freeness detector comprising an undulation chamber, means for continuously conducting stock to said undulation chamber, a discharge screen through which liquid may flow continuously from the stock in said undulation chamber, means for producing undulation of the stock in said undulation chamber to keep said screen clean and prevent accumulation of fibrous stock in said undulation chamber, and a freeness detection chamber positioned to receive the liquid discharging through said screen, said freeness detection chamber being provided with an outlet through which the liquid continuously discharges therefrom, the variance of the liquid level in said freeness detection chamber being indicative of the freeness of the stock.

2,027,661

DRAIN CLEANER

Raymond D. Woodward, Summit, N. J.

Application March 12, 1935, Serial No. 660,896
2 Claims. (Cl. 4—209)



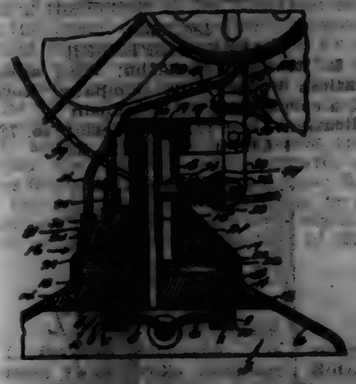
1. A drain cleaner comprising a frustrated cone having an opening therethrough of substantially uniform diameter one end of which is adapted to be connected to a source of fluid under pressure, the other end of said passage being adapted to discharge said fluid into a drain, said truncated cone being of rigid, hard insulating material and a member of resilient material adapted to fit over one end thereof in frictionally sealed relation, the outer wall of said resilient member being a multiplicity of circular steps adapted to seal to a drain, the largest outside diameter of said cone being substantially greater than the diameter of said opening therethrough.

2,027,662

ELECTRIC FAN

William H. Young, Harrisburg, Pa.

Application August 28, 1934, Serial No. 742,676
5 Claims. (Cl. 230—234)



1. An electric fan comprising a stationary base portion, a fan and motor supporting portion mounted for free rotational movement on the base, said fan and motor being off-set with respect to the axis of rotation of said portion whereby to set-up a back pressure upon actuation of said fan tangential to the axis of rotation thereby to actuate the rotating portion, and a braking device operatively connected with the fan and motor assembly and functioning through centrifugal force generated by rotation of said fan and motor assembly to engage the stationary base portion with increasing pressure as the speed of rotation of the fan and motor assembly increases to form a drag, and means for regulating said pressure.

2,027,663

OPHTHALMOSCOPE

William N. Allyn, Auburn, N. Y.

Application October 20, 1933, Serial No. 694,486
10 Claims. (Cl. 88—38)

1. In an ophthalmoscope, a frame, a rotary carrier having a series of different lenses and a corresponding number of lens-designating characters, one for each lens, said lenses and characters being arranged about the axis of the carrier, said frame having openings at diametrically opposite sides of said axis, each lens and its corresponding character being adapted to register



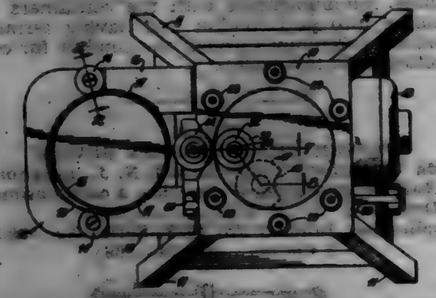
respectively with said openings as the carrier is rotated, in combination with a source of light connected with the frame, and said carrier having means to transmit the rays of light through the opening with which the characters register to illuminate the registering character.

2,027,664

APPARATUS AND METHOD FOR SETTING UP CONTAINERS

William K. Andrew, Wauwatosa, and Harold I. Drake, Appleton, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin

Application July 1, 1935, Serial No. 29,254
16 Claims. (Cl. 153—1)

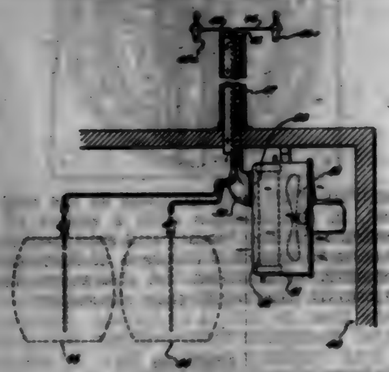


1. In a machine of the class described, the combination of a bed plate for supporting the end of a container with a binding strip applied thereto, a crimping roll extending above the bed plate, said crimping roll acting upon the inner surface of the binding strip applied to the margin of the container, a compression roll in spaced relation to the crimping roll and in position to act upon the outer surface of the binding strip, and means for drawing in the compression roll toward the crimping roll to cause biting engagement of the rolls on opposite sides of the binding strip.

16. The method of applying a binding strip to the margin of a cylindrical container, which consists in compressing a split expansible mandrel by externally applied pressure, fitting a container upon the mandrel, releasing the mandrel from compressive action to permit expansion thereof within the container, exposing a margin of the

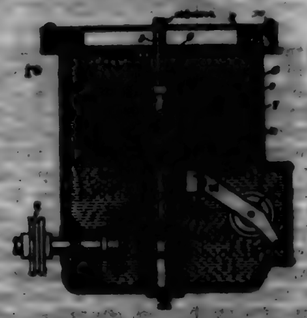
container beyond the mandrel, applying a channelled binding strip to said margin, rotatably applying crimping pressure to a given portion of said binding strip on the exterior and interior thereof, and imparting relation to the container by the application of said rotatably applied crimping pressure to cause each portion of the strip to be subjected to crimping pressure.

2,027,865
BEVERAGE COOLING DEVICE
Joseph Askin, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Application October 26, 1933, Serial No. 694,957
2 Claims. (Cl. 62—102)



1. In a cooling system, a storage room for liquid containers, a cooling device therein comprising a cooling coil and a motor driven fan for directing air therethrough, a conduit exterior of the room having input and output ends communicating therewith, an air scoop on the input end of the conduit disposed in the path of a portion of the air stream from the cooling coil, and tubing communicating with the containers extending into said conduit and having terminal portions extending through the conduit for connection with tap devices.

2,027,866
POWER TRANSMISSION DEVICE
Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 28, 1933, Serial No. 653,253
3 Claims. (Cl. 74—394)

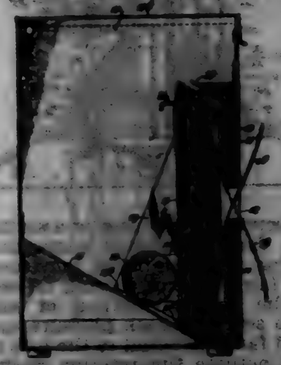


1. In combination, a driving shaft subject to slight speed fluctuations, a driven shaft, an intermediate shaft co-axial therewith, means for imparting to said driven shaft a uniform speed free from the speed fluctuations of said driving shaft, said means comprising an inertia member carried by said intermediate shaft, a planetary gear mechanism connecting said intermediate shaft and said driven shaft and including a substantially stationary gear adapted to respond to a change in the speed of said driving shaft, and means connected to said gear for damping out the speed fluctuations transmitted by said driving shaft.

2,027,867
HOLDING DEVICE
Carl A. Brinkman, Euclid, Ohio, assignor to Seaver-Brinkman-Gerstenberger, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 3, 1934, Serial No. 713,983
2 Claims. (Cl. 229—87.9)

1. An advertising coupon having a redeemable value by virtue of being accompanied with a coin held thereby, the coupon comprising an apertured sheet of flexible material having an aperture therein so proportioned and dimensioned that a coin may be manually forced into said aperture and will be firmly frictionally retained therein, said coupon bearing an inscription indicative of the nature of its method of redemption.

2,027,868
PAPER DISPENSER
Frank L. Brocren, Menasha, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application April 11, 1934, Serial No. 720,026
1 Claim. (Cl. 312—62)



A dispenser for stacked sheets of paper comprising a container of bottle formation having front and back walls and side walls, the front wall having a transversely extending slot formed therein for the withdrawal of sheets singly and adjacent which said sheets are held in facewise relation, an inclined floor adapted to have the sheets stacked thereon, a follower plate normally standing vertically, a roller beyond the follower plate and journalled at its ends thereto in position to normally roll with its full free surface upon the inclined floor and hold the follower plate in elevated relation thereto and permit the follower plate to tilt in order to adapt its surface to the stack of sheets, and means associated with the follower plate for limiting the extent of said tilting.

2,027,869
PAPER DISPENSER
Frank L. Brocren, Menasha, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application July 30, 1934, Serial No. 736,185
2 Claims. (Cl. 312—62)



A dispenser for sheets of paper comprising a container of bottle formation having a bottom and a front panel provided with a transversely extending slot adjacent which said sheets are held in facewise relation and through which the sheets may be withdrawn singly, a floor above the level of the bottom of the container for supporting the lower edges of sheets composing a stack, said floor being provided near its center with a slot, a link extending through the slot in the floor and having its lower end pivoted between the floor and the bottom of the dispenser, a follower plate pivoted to the upper free end of the link, and a spring acting against the link for urging the follower plate forward, and a retaining finger pivotally mounted upon the rear wall of the container and adapted to be moved to engage and hold the follower plate when swung back into proximity to the rear wall of the container.

2,027,870
PAPER DISPENSER
Frank L. Brocren, Menasha, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application September 17, 1934, Serial No. 744,279
4 Claims. (Cl. 312—62)



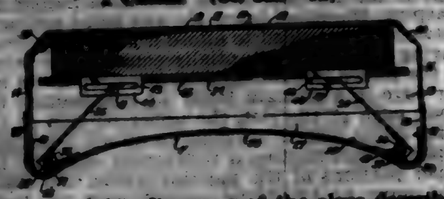
1. In a dispenser of the character described, the combination of a container for a stack of napkins or the like when folded to each present a free tab terminating on a line above the center and below its upper edge, said container including a panel provided above its center with a transversely extending slot lying in an oblique plane and positioned to expose only the upper edge of the free tab of the outermost napkin for grasping, the panel below the slot being obliquely outwardly protruded to afford a pocketed portion having a width substantially equal to the width of the folded napkins and terminating at its upper edge in a straight lower lip constituting the lower edge of the slot, the upper portion of the panel being dished inwardly to afford a straight upper lip constituting a restraining edge for the upper portions of the napkins within the stack, said upper lip extending parallel with the lower lip substantially from side to side of the upper portion of the stack and serving in conjunction with the lower lip to bow forward the medial portion of the stack in position to present the foremost tab for grasping and to hold the foremost napkin in position to completely close the slot, and means for advancing the stack to permit successive withdrawals of the napkins or the like.

2,027,871
PAPER DISPENSER
Frank L. Brocren, Menasha, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application October 1, 1934, Serial No. 746,233
4 Claims. (Cl. 312—62)



3. A dispenser for folded sheets, comprising a container having a wall provided with an elongated slot for the withdrawal of the sheets, a follower plate bearing against the rear of the stack of sheets, means for advancing the follower plate, supporting means for the lower edges of the sheets, said means having an opening formed therein and having guide members formed along the edges of said opening below the surface of the supporting means, a member projecting downwardly from the lower edge of the follower plate and into said opening and having means engaging the guide members for guiding the lower edge of the follower plate from points below the level of the supporting means for the sheets, and a foot on the lower edge of the follower plate being flush with the upper surfaces of the supporting means and in position to underlie the lower edges of the rearmost sheets.

2,027,672
PORTABLE DISPENSER FOR SHEETS
Frank L. Brocron, Menasha, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application April 18, 1935, Serial No. 16,619
1 Claim. (Cl. 312—42)



In a portable dispenser of the class described, the combination of a container for sheets having a discharge slot in one of its walls, a follower plate positioned to bear against a stack of sheets to advance the same toward the discharge slot, a pair of link members pivoted at their outer ends to the rear portion of the container, said rear portion being curved so as to fit the body contour of a wearer, said link members extending inwardly obliquely in convergent relation to one another, slotted guide members on the follower plate slidably engaging the free ends of the link members, and springs bearing against the link members for swinging the free ends forwardly to advance the follower plate, the follower plate being held by the links in suspended relation to the walls of the container.

2,027,673
PAPER DISPENSER
Frank L. Brocron, Menasha, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application April 15, 1935, Serial No. 16,249
2 Claims. (Cl. 312—42)



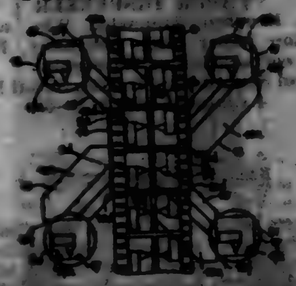
1. A dispenser for sheets of paper comprising a container having a front panel provided with a transversely extending slot positioned intermediately the upper and lower edges of said sheets held adjacent thereto through which the sheets may be withdrawn singly, a forwardly and downwardly inclined floor having its rear portion elevated above the level of the bottom of the container for supporting the lower edges of sheets composing a stack, said floor being provided in its rear portion with a slot, a link extending through the slot in the floor and having its lower end pivoted between the floor and the bottom of the dispenser, a follower plate pivoted to the upper free end of the link, and a spring acting against the link for urging the follower plate forward so as to hold said sheets in compressed condition adjacent said transverse slot.

2,027,674
DISPENSER FOR FOLDED SHEETS
Frank L. Brocron, Menasha, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application August 28, 1933, Serial No. 686,151
1 Claim. (Cl. 312—39)



A dispenser for sheets folded to each provide a grasping tab of less width than the body comprising a box-like container having its lower wall in the form of a panel provided with an elongated dispensing slot, said sheets being fed by gravity towards said slot, one of the edges of the slot being straight and having a lip standing in forwardly advanced relation to the general plane of the panel and the other edge being in the form of a lip convexly curving from each end inwardly toward the center, and the lip extending inwardly within the general plane of the panel and protruding inwardly to a maximum at its center to afford a medial crest portion for contacting the body portion of the innermost folded sheet of a stack at a point beyond the edge of the grasping tab.

2,027,675
MOTION PICTURE PROJECTOR
André Collier, Ganzt and Fernand Heger, Brussels, Belgium
Application December 21, 1932, Serial No. 648,464
In Belgium December 24, 1932
1 Claim. (Cl. 88—16.6)



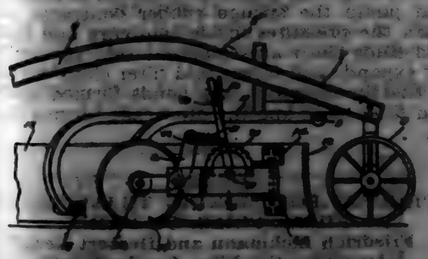
A motion picture projector, comprising four projecting lenses for simultaneously projecting four neighboring images of a normal film on which these images are registered in such a way that two images lie side by side in each normal image space of the film but require to be rotated through 90° when projected, and an optical system between each image on the film and the corresponding projecting lens, each optical system consisting of a right angled isosceles roof prism of which the plane of symmetry which passes through the edge of the roof is perpendicular to the direction of projection, and of two ordinary right angled prisms cemented by one of their cathetus faces to one of the oval faces of the roof prism, the two ordinary right angled prisms being arranged with their free cathetus faces parallel to and on opposite sides of the said plane of symmetry, the ordinary right angled prisms of each optical system being disposed in the direction of a diagonal of the rectangle formed by the four images to be simultaneously projected, one of these right angled prisms being in front of the corresponding image and the other in front of the corresponding projecting lens.

2,027,676
MOTOR VEHICLE DRIVER'S PERMIT AND REGISTRATION CARD HOLDER
John Cheshko, Dunbar, Pa.
Application March 22, 1934, Serial No. 717,168
2 Claims. (Cl. 40—16)



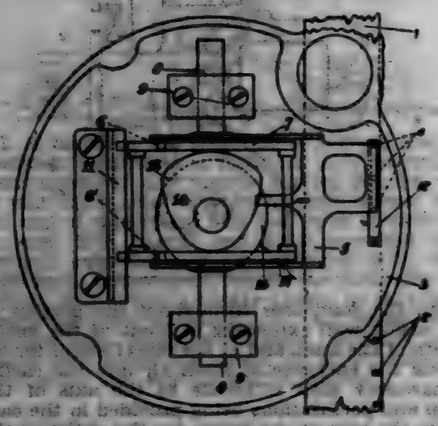
2. A motor vehicle certificate holder comprising a body portion, an arm extending therefrom provided with right angularly disposed lugs, an arcuate portion in the outer angular wall of each of said lugs, said lugs equipped with apertures, one wall of said arm being offset from said body portion, the body portion provided with a recess and smaller recesses communicating with the body recess, the smaller recesses equipped with a bore, an opening in the body portion smaller in size than said recess in the body portion, a transparent plate and closure plate in said body recess, said closure plate provided with ears equipped each with an aperture, said ears engageable in the smaller recesses and securing means cooperating with the apertures in said ears and the bores in said smaller recesses.

2,027,677
ANTIVIBRATOR ATTACHMENT FOR ROAD MACHINERY
James Clifton Cease, Wilmar, Ark.
Application April 9, 1935, Serial No. 14,967
1 Claim. (Cl. 97—142)



In combination with the grader board of a road machine, a U-shaped member swingably mounted at its bight portion on the rear side of said grader board and extending laterally therefrom, a bell crank arm mounted within said U-shaped member adjacent the free end thereof, a roller pivotally mounted on one end of the bell crank for engagement with the ground, an upstanding lever pivotally mounted on said U-shaped member, a rack on said member cooperable with a detent on said lever for securing said lever in a predetermined position, a link connecting said lever with the free end of the bell crank arm, a collar secured to said link adjacent said lever and a coil spring encircling said link one end thereof abutting said crank arm and the other end said collar on said link.

2,027,678
CINEMATOGRAPHIC FILM DRIVING DEVICE
André Léon Victor Clément Debrie, Paris, France
Application December 11, 1934, Serial No. 757,458
1 Claim. (Cl. 88—18.4)

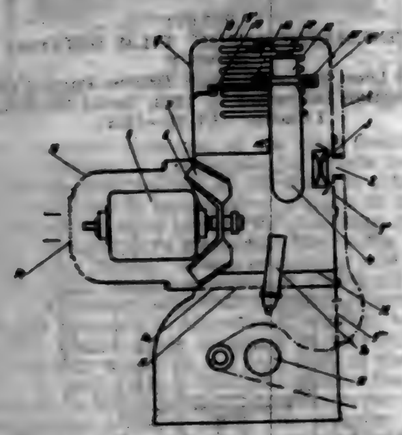


An intermittent driving device for apertured cinematographic films comprising a flange located parallel to the film and serving as a backing for said film, a movable frame having stems mounted thereon, bearings upon said flange in which said stems slide, a rectilinear guide positioned on said flange in which a portion of said frame slides, a spindle perpendicular to said flange and rotating with uniform speed, an eccentric cam fixed on said spindle and disposed inside the frame, a bracket hinged on said frame in such a way that it may pivot about an axis parallel to the stems guiding said frame, pins disposed at the end of the bracket opposite the hinge point thereof and able to pass through a slot provided on the flange and to engage the apertures of the film, a plate cam parallel to the flange and fixed on said spindle, the periphery of said cam having two parts, one of said parts being further from and the other nearer to said flange, a prong fixed on the part of the bracket opposite to the hinge point thereof and engaging the periphery of said plate cam, the eccentric cam and the plate cam being so disposed relatively to one another that said bracket is removed from the flange during one stroke of the frame and brought near enough thereto for allowing the pins to engage the apertures of the film during the other stroke.

2,027,679
CINEMATOGRAPHIC PROJECTOR
André Léon Victor Clément Debrie, Paris, France
Application November 1, 1934, Serial No. 751,474
In France July 9, 1934
2 Claims. (Cl. 88—24)

1. In a cinematographic projector, the combination of a casing, a projecting gate in the said casing, a condenser to the rear of the gate, a

socket in the front upper part of the casing, a projection lamp held therein with its free end pointing downwards, current terminals connected with the socket and in close proximity thereof, a motor arranged to the rear of the lamp inside the casing, a projecting mechanism driven by the motor, a fan keyed to the motor shaft behind the lamp and adapted to suck the air in front of said fan, perforations being provided in the casing



round the condenser throughout the portion of the casing wall extending in front of the entire length of the lamp and to the sides thereof for allowing the entrance of fresh air into the casing transversely with reference to the axis of the lamp and perforations being provided in the casing to the rear of the motor for the outlet of the hot air.

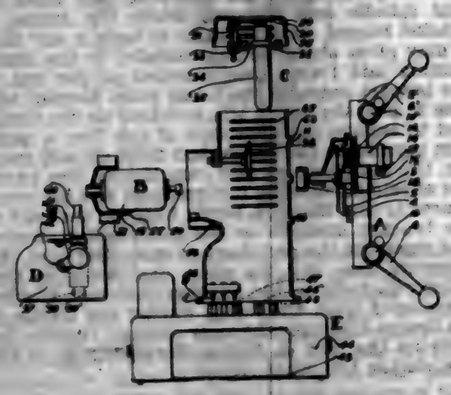
2,027,660

PROJECTING MACHINE FOR SOUND CINEMATOGRAPHS

André Léon Victor Clément Delerie, Paris, France

Application December 11, 1934, Serial No. 757,660

7 Claims. (Cl. 88—16.2)



1. A projecting machine for sound films comprising a casing, an apertured hollow support adapted to be removably fitted to the outside of a lateral wall of the casing, a film-driving and carrying mechanism inside said hollow support, arms pivotally secured to the hollow support and carrying the film feed and take-up reels an electric motor adapted to be removably fitted in the opposite lateral wall of the casing, a shaft for said motor adapted to frictionally engage the film driving mechanism, a picture projecting and sound record illuminating lamp, a support removably carrying said lamp on its underside and adapted to removably close the upper part of the casing, a sound reader including a photoelectric cell adapted to be removably fitted in the casing underneath the motor with the cell lying in vertical alinement with the location of the lamp, a base to which the lower part of the casing is removably secured, a sound current amplifier in the base, means for feeding current to the base and electric leads and contact means for electrically connecting the lamp, cell, amplifier and motor with the current feeding means.

2,027,661

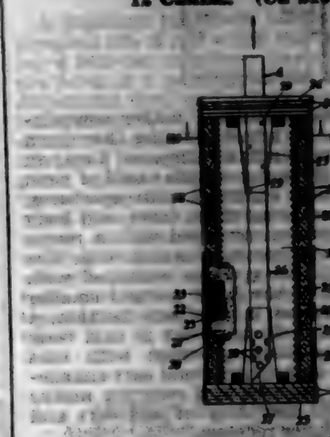
FILTER

Henry Thomas Durant, Crawley, and Eric Owen Stubbings, Carshalton, England, assignors to Bloomfield Engineering Company, Limited, London, England, a British company

Application March 22, 1933, Serial No. 662,230

In Great Britain April 30, 1932

12 Claims. (Cl. 210—151)



1. A filter element comprising a rigid core formed with passages to permit the flow of filtrate, a pipe mounted within said core and a pump in communication with said pipe for establishing a difference of pressure between the inside and outside of said element, a layer of sponge rubber mounted on said core, and a filter cloth surrounding said sponge rubber, the arrangement being such that when suction is applied by said pump the sponge rubber contracts, while when the pressures inside said core and outside said filter cloth are equalised said sponge rubber expands and forces said filter cloth outwardly, thereby loosening any bonds formed between said filter cloth and the filter cake formed thereon.

2,027,662

PROCESS FOR MAKING TRANSPARENT FILMS, FOILS, OR SKINS

Friedrich Eichmann and Herbert Nerad, Aussig-on-the-Elbe, Czechoslovakia

No Drawing. Application August 25, 1933, Serial No. 686,552. In Czechoslovakia September 16, 1932

5 Claims. (Cl. 18—57)

1. A method of making transparent films, consisting in selecting an insoluble polyoxybenzide, dry grinding it to a particle size of approximately 0.5 to 50 microns if not already of this particle size in the naturally occurring state, preparing a hydrosol of said polyoxybenzide by swelling the latter without chemical change in an aqueous medium, layering said hydrosol to a film, and drying the film formed.

2,027,663

ALL-METAL COLLAPSIBLE BOX CASE

Fern B. Elliott and Earl I. Pollard, Meadon, Md.

Application April 2, 1934, Serial No. 718,581

1 Claim. (Cl. 220—6)



A case of the class described, comprising a pair of side members and a pair of end members, said members having hinges at their vertical edges rolled inwardly to provide hinge barrels, pins passing through the barrels for hingedly connecting the four members together, the pins at two diagonally opposite corners being removable whereby one side and end member can be separated from the other side and end member, each member having its lower edge bent inwardly into channel shape, a bottom member of slightly less length and width than the space formed by said side and end members, said bottom member having its edges bent into substantially inverted U-shape for interengagement with the channels, and the corners of said bottom member being cut away to clear the hinges, whereby said bottom member can be pushed downwardly through the space formed by the side and end members to engage the inverted U-shaped edges thereof with the channels of the side and end members, a top member having a depending flange of considerable width for fitting over the upper edges of the side and end members when the case is set up and said top member receiving the side and end members and the bottom when the case is collapsed.

2,027,664

PNEUMATIC TIRE COMBINATION RAIL AND HIGHWAY UNIT

William H. Fageol, Kent, Ohio, assignor to Twin Coach Company, Kent, Ohio, a corporation of Delaware

Application May 24, 1933, Serial No. 672,731

3 Claims. (Cl. 105—71)



1. A highway and rail vehicle for operation on track rails comprising a body, axles, resiliently tired wheels supporting said axles, resilient means interconnecting said axles and frame, retractable members having means in contact with the rails during normal operation on the rails, brake drum housings on said axles, each comprising a supporting bracket to receive one of said retractable members in supporting relation, means for operating said retractable members, and a stop member on each of said brackets cooperating with adjustable means on associated retractable member to limit movement thereof.

2,027,665

ROAD RECONDITIONING MACHINE

Benjamin H. Flynn, Alexandria, La.

Application October 25, 1934, Serial No. 749,583

7 Claims. (Cl. 37—196)



1. A machine for removing a surface from a roadway, comprising a frame, a hood extending transversely of and rigidly carried by one end of said frame, said hood being open toward said one end of said frame and also open downwardly, said hood having end walls provided with vertical guideways, slides engaged with said guideways, independent means for vertically adjusting said slides, a rotary cutter in said hood having its ends supported by said slides, supporting and propelling means carrying said frame, and actuating means on said frame for said cutter and said propelling means.

2,027,666

COATING COMPOSITIONS AND THE PROCESS FOR THEIR PRODUCTION

Paul Friedrich, Cologne, Germany, assignor to Trustkantoor Amstelland N. V., Amsterdam, Netherlands

No Drawing. Application July 1, 1933, Serial No. 678,707. In Germany July 4, 1932

7 Claims. (Cl. 134—13)

1. The process for producing a composition for coating metal, stones, sand, wood, paper, board and textiles comprising mixing a preponderance of bituminous hydrocarbons together with smaller amounts of aliphatic chlorohydrocarbons and a mixture of fluid homologues and fluid derivatives of benzene and heating the whole above 130° C. under superatmospheric pressure whilst stirring very quickly until a reaction product is formed.

2,027,667

ELECTRIC FAN

Hugh Hereus Cavendish Fuller, London, England

Application October 2, 1935, Serial No. 43,361

In Great Britain August 28, 1934

2 Claims. (Cl. 254—274)



1. A table fan comprising an open ended tubular stand having supporting feet at its bottom,

a motor disposed vertically in said stand, an air impeller fixed to the upper portion of the motor shaft above said stand, an open casing for said impeller carried by said stand and disposed above the same about said impeller, and a disc resting upon said casing and having a depending annular head surrounded by said casing to hold the disc in place upon the casing, said disc having its marginal portions projecting outwardly beyond the casing and curved upwardly to provide a bordering flange for the disc and adapting the disc to serve as a deflector for directing air outwardly from sides of the casing and also as a tray.

2,027,682

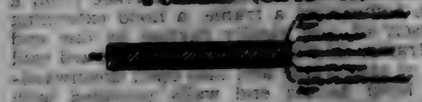
MANUFACTURE OF FOILS

Max Hagedorn, Bonn-in-Schloß, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

Application April 23, 1932, Serial No. 606,111

In Germany April 30, 1931

4 Claims. (Cl. 91—68)



1. A laminated sheet comprising an internal stratum comprising an organic cellulose ester and adjacent to said internal portion and blended therewith at point of contact on both faces external strata of regenerated cellulose bearing on their outer surfaces and firmly adhering thereto a layer of a colloid less sensitive to water than cellulose hydrate.

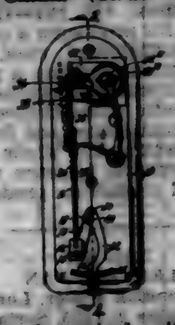
2,027,683

HYGROSCOPIC CONTROL SWITCH

Malcolm E. Henning, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa

Application March 26, 1932, Serial No. 601,125

1 Claim. (Cl. 200—52)



In a hygroscopic control switch, the combination of an armature, means for pivotally supporting one end of said armature, a magnet tending to swing said armature in one direction and a humidity responsive, warpable element anchored at one end and having its opposite end arranged to engage said armature intermediate its ends when the element warps in one direction and thereupon move the armature away from the magnet and to disengage the armature and move away from it when the element warps in the opposite direction, the means for anchoring one end of said element being pivoted and having a portion spaced from the pivot thereof, an adjusting lever pivotally mounted and having a portion adjacent its pivot engaging said portion of said means to cause slight adjustment of the element upon considerable movement of the adjusting lever.

2,027,690

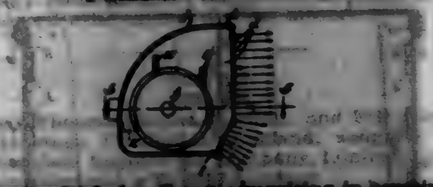
VEHICLE HEADLIGHT

Timothy Joseph Burgess, Wednesbury, London, England

Application January 25, 1934, Serial No. 707,945

In Great Britain January 24, 1933

4 Claims. (Cl. 240—41.3)



1. A vehicle headlamp comprising in combination an outer casing, a source of illumination, means for supporting said source of illumination within said casing, and light directing means having a substantially rectangular projection on a vertical plane mounted in said casing, and comprising a combination of lenses formed in a plurality of strips disposed in a circular formation around said light source to project light rays emanating from said source as an uninterrupted beam forwardly, laterally, and rearwardly in order to secure illumination of a considerable stretch or area of road surface in the neighbourhood of the vehicle without any regions of contrast therein.

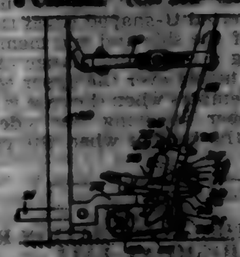
2,027,691

STABILIZING DEVICE FOR PICKER STICKS

Ben Huggins, Greenville, S. C.

Application September 4, 1934, Serial No. 742,600

6 Claims. (Cl. 139—159)



1. In a device for connection with a picker stick, as a sub-combination, a yoke to be attached to the picker stick and adapted to receive the ends of a shoe and oscillating stand therein, yielding means carried by the yoke to engage the lower face of the stand, and a wear element attached to the yoke and including a blade projecting longitudinally between the ends of the contacting faces of the shoe and stand.

2,027,692

METHOD OF OBTAINING ADVANCED AND RETARDED IGNITION

Erich Klother, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany

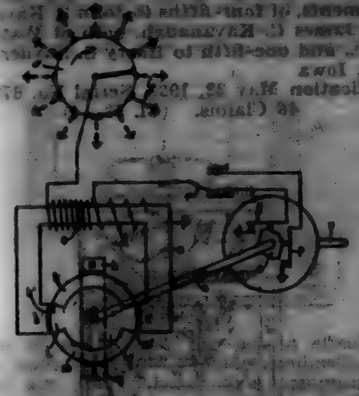
Application April 28, 1934, Serial No. 723,284

In Germany June 24, 1933

7 Claims. (Cl. 123—148)

1. The method of obtaining advanced and retarded ignition from a magneto having at least

two periods of flux change per rotation, which consists in providing twice as many possible periods of ignition as are required, and selecting



alternate ones of said periods for advanced ignition and the intermediate alternate ones of said periods for retarded ignition.

2,027,693

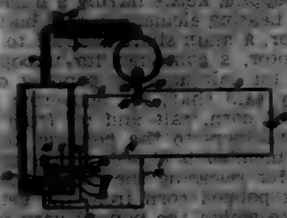
DISCONTINUOUS ABSORPTION OR ADSORPTION COLD MACHINE

Stig Lindeberg, Stockholm, Sweden, assignor of one-half to Aktiebolaget Elton, Stockholm, Sweden

Application May 12, 1934, Serial No. 725,981

In Sweden May 15, 1933

5 Claims. (Cl. 62—5)



4. Discontinuous absorption or adsorption cold machine, including a generator for driving off a cold medium, means for condensing the cold medium vapours, a refrigerator for evaporating the liquid cold medium, means for supplying heat to the generator, means for controlling the supply of heat to the generator, one responsive to the temperature of the refrigerator and one responsive to the temperature of the generator and auxiliary heating means for counteracting the responsiveness of the last mentioned means to the temperature of the generator at the beginning of the cold period.

2,027,694

HAIR DRIER

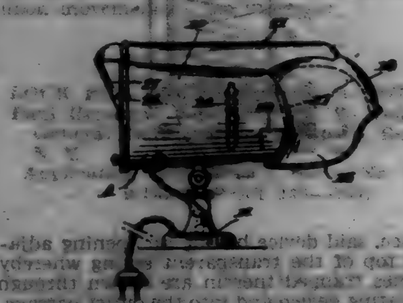
Andrew Lisi and Charles Stanford Stuart, Regina, Saskatchewan, Canada

Application March 1, 1934, Serial No. 713,526

In Canada August 28, 1933

3 Claims. (Cl. 34—99)

1. A hair drying device comprising a casing enclosing an air passageway, an air impeller and heating element mounted within said passageway, a head piece mounted on the casing adjacent over a major portion of its surface to communicate with said passageway, an air channel above said passageway extending between said head piece and passageway for removing hot air introduced to the head piece from the passageway, said air channel communicating with the suction side of the air impeller, and damper means



in the end of the casing communicating with the atmosphere to regulate the supply of fresh air to said passageway.

2. A device as claimed in claim 1 in which the damper means include a plurality of openings in the rearward end of the casing, and a valve member for regulating the size of said openings.

2,027,695

PROCESS FOR THE PREPARATION OF ACTIVATED OR ABSORBENT CARBON OR DECOLORIZING CARBON

Andrew McCulloch, Stalybridge, and Robert Edwin Hargraves, Derbyshire, England; Winifred Elizabeth Hargraves, Burbank, Derbyshire, England, administratrix of said Robert Edwin Hargraves, deceased, assignors to Carbo-Norit-Union Verwaltungs Gesellschaft m. b. H., Frankfort-on-the-Main, Germany, a corporation of Germany

No Drawing. Application December 11, 1933, Serial No. 701,940. In Great Britain December 14, 1932

5 Claims. (Cl. 252—3)

1. A process for the production of active carbon of great strength and activity from carbonaceous initial materials containing chlorinatable constituents, which comprises preliminarily subjecting the material to chlorination treatment while suspended in an organic liquid inert to chlorine while preventing the temperature from rising to a point materially in excess of 100° C., thereafter compressing the so-treated material into briquets, and carbonizing and activating the briquetted material.

2,027,696

SIGHT GLASS

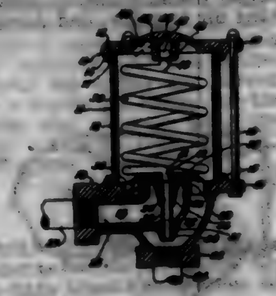
Porter S. Morgan, New York, N. Y., assignor to Liberty Shave Corporation, Buffalo, N. Y.

Application August 10, 1934, Serial No. 739,234

5 Claims. (Cl. 116—117)

1. In a liquid flow indicator, a turbine casing having inlet and outlet passages, a turbine mounted for movement therein, a transparent casing disposed above the turbine casing and communicating with the outlet passage whereby

air volumes will rise gravitationally in liquid introduced into the transparent casing, a hollow indicating device secured to the turbine, an injector in the outlet passage communicating with



said device, said device having an opening adjacent the top of the transparent casing whereby air volumes trapped therein are drawn through said indicating device and into the outlet passage.

2,027,697

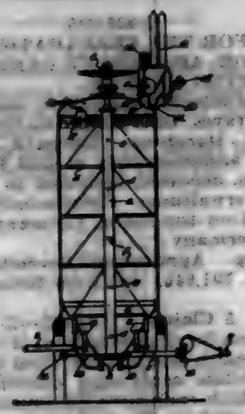
HOMOGENEIZING PULVERULENT MATERIALS

Niels Nielsen, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey

Application December 5, 1928, Serial No. 761,068

In Great Britain December 8, 1923

1 Claim. (Cl. 302—53)



The combination of a bin for the homogenization of pulverulent material, means to introduce air under pressure into the bin at its lower end to render the material fluent, means for agitating and homogenizing the whole mass of material in the bin, valve controlled means for the delivery of material to the bin to be homogenized, valve controlled means to permit the escape from the bin of air separated from the material during the homogenization process, pressure actuated means for closing both said valve controlled means during the discharge of the fluent material from the bin, a valve controlled outlet for the material, means for regulating the air pressure in the bin to effect the discharge of the material from the bin, a float within the bin, and operative connections between the float and said valve controlled means for the delivery of material.

2,027,698

AUTOMATIC CORN POPPING MACHINE

Robert D. Parks and Glenn Hildebrandt, Lakeville, Iowa, assignors, by direct and mesne assignments, of four-fifths to John P. Kavanaugh and James C. Kavanaugh, both of Waterbury, Nebr., and one-fifth to Henry S. Snyder, Sioux City, Iowa

Application May 22, 1933, Serial No. 672,227

46 Claims. (Cl. 53—4)



1. A machine of the character set forth comprising a popping kettle having a hinged bottom member, a heating element in said bottom member, a motor, a main shaft adapted to be driven by said motor, a container for unpopped corn, containers for salt and for popping oil, means operable by said shaft for delivering measured quantities of corn, salt and oil from their respective containers to the popping kettle when its bottom member is closed, means operable by said shaft for releasing the bottom member for discharging popped corn from the kettle, a receptacle into which the popped corn is received from the kettle, said receptacle having a sloping wall, a float device movable along said sloping wall and adapted to come to rest against the body of popped corn in the receptacle, means connected with said main shaft for raising said float device each time a fresh quantity of popped corn is delivered to the receptacle, and for thereafter releasing said float device whereby it may come to rest against the enlarged body of popped corn, a switch controlling the circuit through said heating element, and means operable by a part on said float device for causing said switch to assume circuit-breaking position at such time as the float is caused to remain at a certain predetermined elevation due to the presence of the desired quantity of popped corn in the receptacle.

2,027,699

BURNER FOR LIQUID FUELS

Charles Perrichet, Geneva, Switzerland

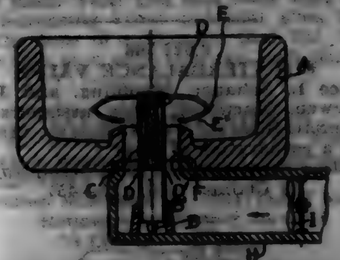
Application January 21, 1934, Serial No. 707,198

Renewed October 26, 1935. In Switzerland February 6, 1930

2 Claims. (Cl. 158—97)

1. A burner for liquid fuel comprising a cup-shaped fire pot having an air-inlet orifice in the

center of its base, a tube of lesser diameter than said orifice for the supply of liquid-fuel extending through the center of said orifice, a tubular axle, axially and rotatably mounted within said tube, a hollow rotor fixed on said tubular axle within said fire pot, and a conduit communicating with said air inlet orifice for supplying a



current of air to said fire pot to effect rotation of said rotor and provide combustion supporting air, said tubular axle communicating with the liquid fuel supply tube for distributing liquid fuel onto said rotor for atomization and projection onto the wall of said fire pot.

2,027,700

DRILL CUTTER

Henry Regnis, Sayre, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

Application December 20, 1933, Serial No. 703,036

15 Claims. (Cl. 255—71)



1. A frusto-conical drilling bit having a cone shaped cutting area provided with a plurality of axially aligned rows of cutting teeth alternate teeth having cutting surfaces terminating in either a flat top grinding surface or a sharp top cutting edge, and a plurality of axially aligned non-cutting surfaces disposed upon said cone between the rows of said cutting teeth.

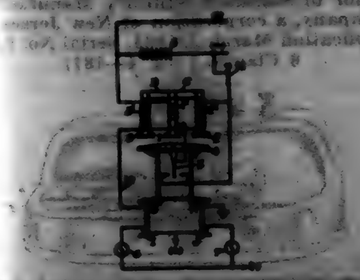
2,027,701

ELECTRICAL CIRCUIT AND RELAY THEREFOR

Frank X. Rose, Albany, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application November 27, 1931, Serial No. 577,138

8 Claims. (Cl. 177—311)



1. In detecting means, in combination with a circuit, a single magnetic indicator movable in either of two opposite directions, opposed stabilizing coils connected across the circuit and arranged to exert substantially equal and opposite actions on the indicator, a ground connection to a point between the coils, whereby an unbalanced ground on either side of the circuit tends to cause movement of the indicator, an operating coil common to the stabilizing coils and connected to aid each stabilizing coil, and an energizing circuit for the operating coil closed upon movement of the indicator.

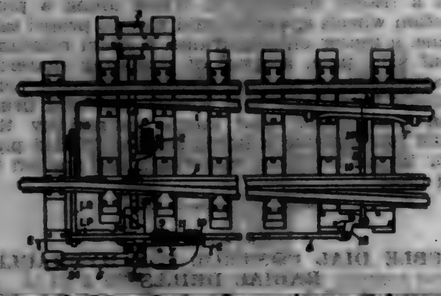
2,027,702

LOCK FOR RAILWAY SPRING SWITCHES

Paul Rossbaw, New York, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application July 14, 1934, Serial No. 735,246

9 Claims. (Cl. 246—238)



1. A locking device for spring switches comprising, a lock rod and a locking plunger, and a wheel actuated treadle device associated with the track rails of the diverging track for releasing said plunger upon the approach of a train in the trailing direction.

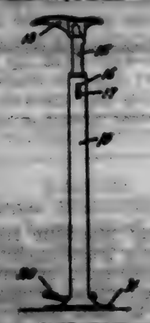
2,027,703

SHOE JACK

Peter Ribar, Pueblo, Colo.

Application June 21, 1934, Serial No. 731,594

4 Claims. (Cl. 12—123)



1. A shoemaker's jack comprising: a hollow vertical standard; a last shank rotatably mounted in the top of said standard and having crossed grooves in its bottom; a key member extending laterally across said standard and engageable in said grooves; a spring acting to force said key member into said grooves; a foot treadle projecting from said standard adjacent the bottom thereof; and a connecting rod extending from said foot treadle to said key member to withdraw the latter from said grooves when desired, said key member extending through slotted holes in the opposite sides of said standard.

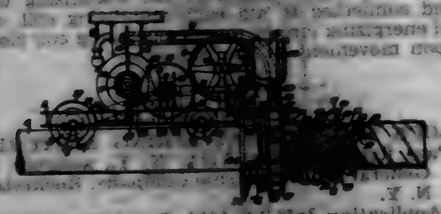
1,627,704

PIPE WRAPPING MACHINE

Leland S. Rossner, San Francisco, Calif., assignor to The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware

Application January 16, 1926, Serial No. 496,711

1 Claim. (Cl. 242—11)



A pipe wrapping machine having in combination a frame, mounted to travel along a pipe, traction wheels engaging said pipe to propel said frame, a motor on said frame, a drum rotatable about said pipe, a spool of wrapping material on said drum at one side thereof, operative connections to actuate said wheels and said drum from said motor, and means carried by the frame for applying a liquid coating to said pipe prior to the wrapping material being applied to said pipe.

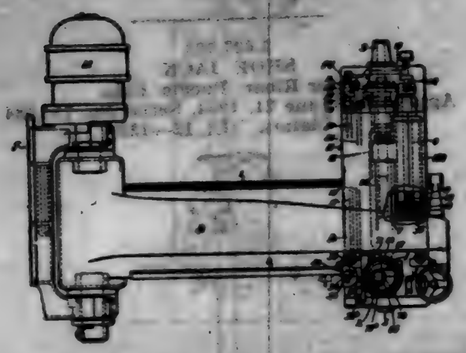
1,627,705

DOUBLE DIAL CONTROL FOR HYDRAULIC RADIAL DRILLS

Lawrence L. Schauer, Wyoming, and John H. McKown, Cincinnati, Ohio, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a corporation of Ohio

Application March 26, 1923, Serial No. 628,197

19 Claims. (Cl. 77—32)



8. In a drilling machine having a tool-head and a tool spindle translatably mounted in said tool-head, an hydraulic system carried by said tool-head for effecting reciprocation of said spindle relative to said head, said system comprising an hydraulic motor connected with the spindle; a reservoir for the actuating fluid; a pump for drawing fluid from said reservoir and discharging it into said motor; a system of conduits connecting said reservoir, pump and motor, and a selector valve embodied in said conduits for selectively admitting fluid into opposite ends of said motor and for isolating said motor from said pump to arrest the translation of the spindle; automatic means including rotary members actuated by the translatory movements of said spindle and provided with trip dogs, and a control member adapted to be actuated by said dogs, to effect automatic actuation of said selector valve thereby to produce predetermined cycle of movement of said spindle; and manual means and operative connections with said valve operable at will to control the movement of said valve independently of said automatic control means and the cycle normally presented thereby.

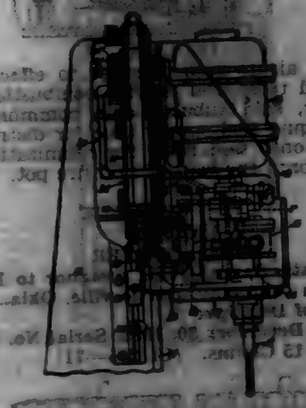
2,627,706

COUNTERBALANCE VALVE

Lawrence L. Schauer, Wyoming, and John H. McKown, Cincinnati, Ohio, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a corporation of Ohio

Application September 11, 1926, Serial No. 743,531

9 Claims. (Cl. 121—46)



1. An hydraulic system for propelling an element in a direction opposed to the force of gravity including an hydraulic motor comprising a fluid piston and a translatable cylinder; a fluid supply conduit; valve means in said conduit comprising a casing member and a valve element movable therein; power means normally tending to move said element to a valve-closed position, said valve element being provided with two pressure responsive areas, fluid connections between one of said areas and the intake side of said hydraulic motor, fluid connections between the other of said areas and said supply conduit, said areas being so proportioned that the sum of the hydraulic forces acting thereon overcomes said power means and maintains said valve element in its open position whereby said fluid supply is permitted to enter said motor to propel same.

1,627,707

FIELD-RACK SINK

Victor H. Schmidlapp, Louisville, Ky., assignor to Standard Sanitary Manufacturing Company, a corporation of New Jersey

Application March 5, 1925, Serial No. 13,461

6 Claims. (Cl. 4—187)



1. A sanitary sink structure adapted for

basin, a shelf extending across the back of said structure above said drainboard and overhanging said drainboard and basin, and a back wall extending downwardly and rearwardly from the forward edge of said shelf to the drainboard on one side and meeting with the basin back wall at the side of the drainboard, the space defined by the basin walls and said back wall being of such decreasing cross sectional area inwardly from the tops of said walls that the structure can be cast as a unit in a two part flask.

1,627,708

SEPARABLE FASTENER

Elliot G. Sundh, Meadville, Pa., assignor to Hoeltzer Manufacturing Company, a corporation of Pennsylvania

Application November 19, 1924, Serial No. 874,058

Renewed September 20, 1926

13 Claims. (Cl. 24—205)



1. In a multiple interlocking fastener adapted to be separated at its ends, a pair of flexible stringers, cooperating series of interlocking elements attached to adjacent edges of said stringers, a slider movable along said stringers to engage and disengage said elements, a separable end connection for said stringers comprising means forming a socket attached to one stringer, and a tube-like pin member clamped around the edge of the other stringer adapted to be inserted longitudinally through said slider and into said socket, said pin member being curved convexly at its outer edge throughout its longitudinal extent to facilitate engagement of said pin member in said socket.

2,627,709

SAFETY DEVICE FOR PROTECTING MOTOR CARS AGAINST FIRE AFTER COLLISION

Dirk Sluiter, The Hague, Netherlands

Application December 15, 1923, Serial No. 762,433

In the Netherlands December 16, 1922

5 Claims. (Cl. 200—82)



1. A safety device for protecting motor cars against fire after collision, comprising a switch adapted to be brought into action by shock, circuit controlling contacts in said switch, an egg-shaped body, a ring forming with said body a cup-and-ball joint, said egg-shaped body being provided with a stem, a mass carried by said stem, and spring-pressed means depressed by said stem and carrying said contacts, whereby when in response to a shock said mass and stem are displaced, the spring pressed means is released and opens said contacts.

2,627,710

COMPOUND DIFFERENTIAL FOR ROVING FRAMES

Walter G. Stewart, Gastonia, N. C., assignor to Walter A. Klein, Gastonia, N. C.

Application February 5, 1924, Serial No. 690,763

6 Claims. (Cl. 74—236)



1. In a differential for roving frames and the like, a drive shaft, a sleeve fixed on said drive shaft, a second sleeve rotatably mounted on the drive shaft, the proximate ends of said sleeves each having a pair of sprocket wheels thereon, a third sleeve rotatably mounted on the first sleeve, a casing integral with the third sleeve, a fourth sleeve rotatably mounted on the second sleeve and having integral therewith a cover for the casing, means for securing the cover and its casing together for unitary rotation, two members rotatably mounted in the casing, each member having three sprocket wheels integral therewith, a pair of sprocket chains mounted on the sprocket wheels on said second sleeve and on a pair of sprocket wheels on said rotatable members, a pair of sprocket chains mounted on the sprocket wheels on said first sleeve and on one sprocket wheel each of said rotatable members, driving means between the drive shaft and said fourth sleeve, and a power take-off on said third sleeve.

2,627,711

SPAR STRUCTURE

Wilson L. Sutton, Long Island, N. Y., assignor to Fleetwings, Inc., Garden City, Long Island, N. Y., a corporation of Delaware

Application January 7, 1923, Serial No. 650,825

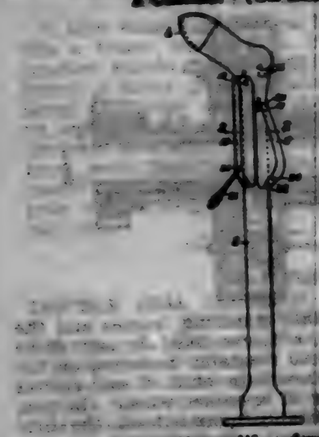
5 Claims. (Cl. 189—37)



4. In a spar, tension and compression chords spaced apart, opposite side webs, and spaced diaphragms extending transversely between and fixed to the webs, said opposite side webs being formed of sheet metal corrugated with corruga-

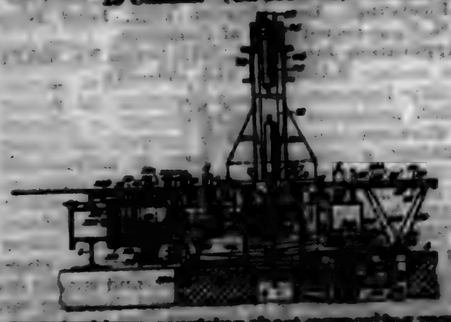
tions extending longitudinally of the spar, and said webs having top and bottom longitudinally extending out-flaring flanges, the chords being fixed by their opposite longitudinal marginal portions to the adjacent flanges of the webs respectively, and said diaphragms having portions engaging and fixed to the corrugations of the webs, said diaphragms also having other portions extending and fixed to the chords and webs where the chords and webs are fixed together.

2,027,713
HOSIERY DRYING FORM
Rudolph Weber, Philadelphia, Pa., assignor to Philadelphia Metal Drying Form Company, Philadelphia, Pa., a corporation of Delaware
Application June 10, 1931, Serial No. 544,768
2 Claims. (Cl. 223—76)



1. In combination with a drying form body having a leg portion and a shaped foot portion including a defined heel, the leg portion being thin relatively to its width whereby it presents longitudinal thin edges for engagement with hosiery or the like, a bifurcated member arranged for detachable frictional engagement with the form over an upright edge thereof to locally vary its width, the engagement being such that the member is freely held over the upright edge of the form by such engagement alone.

2,027,714
DOUBLER
Alexander R. Weibel, Aliquippa, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 2, 1932, Serial No. 623,460
19 Claims. (Cl. 182—13)

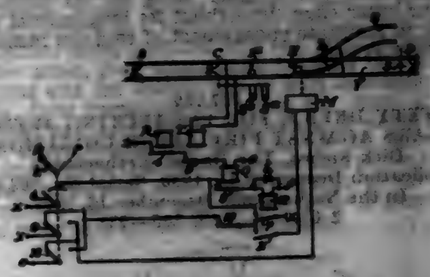


1. A doubler comprising sheet supporting means having a doubling passage therethrough, means for creasing a sheet and forcing the creased portion through said passage to double the same, means constructed and arranged to compress the doubled sheet at or adjacent the crease while a portion of such sheet remains in the doubling passage, and a separately operable control for said last mentioned means.

2,027,715
PROCESS OF MANUFACTURING BASIC MAGNESIUM CARBONATE
Samuel A. Abrahams, Redwood City, Calif., assignor to Flintkote & Asbestos Works, San Francisco, Calif., a corporation of California
No Drawing. Application November 24, 1931, Serial No. 577,165
2 Claims. (Cl. 23—67)

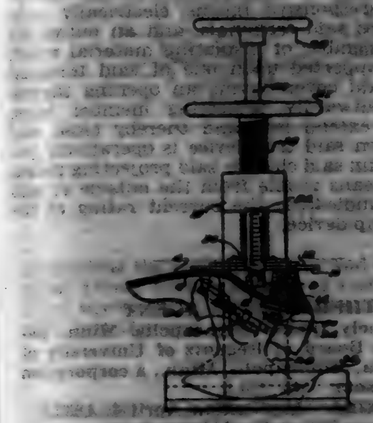
2. The process of preparing basic magnesium carbonate for insulating material which comprises adding sodium carbonate and sodium bicarbonate to a magnesium salt solution in amounts suitable for precipitating an initial basic magnesium carbonate precipitate which is transformable to an altered form, and then introducing steam into the mixture of liquid and precipitate until the temperature of the mixture is raised to approximately 160°–208° F. for transforming the initial precipitate to a relatively light strongly bonded form having increased volume per unit of weight and also having increased bonding properties.

2,027,715
RAILWAY TRAFFIC CONTROLLING APPARATUS
Earl M. Allen, Edgewood, and Henry S. Young, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 14, 1935, Serial No. 11,120
6 Claims. (Cl. 246—219)



1. In combination, a stretch of railway track including a switch, a manually operable switch lever having a normal and a reverse position and having a normal and a reverse contact closed only when said lever is in said normal and reverse positions respectively as well as having a middle contact closed only when said lever is between its normal and reverse positions, a stick relay, a pickup circuit for said stick relay controlled by said middle contact and by traffic conditions in said stretch of track, a stick circuit for said stick relay controlled by traffic conditions in said stretch of track independently of said lever, and means controlled by said normal and reverse contacts and by said stick relay for operating said switch to its normal and reverse positions if said stick relay is energized.

2,027,716
METHOD AND MEANS FOR BENDING SHOE SHANKS
Adolph Dudley Bush, Newton, Mass.
Application November 12, 1934, Serial No. 752,871
21 Claims. (Cl. 12—142)

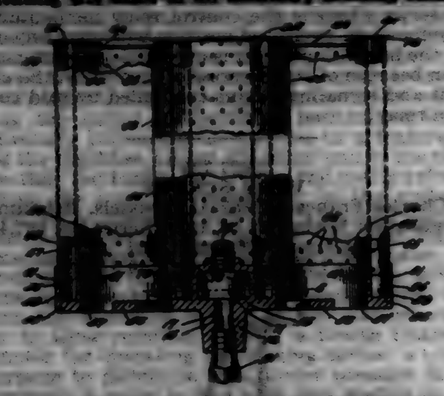


8. A machine for shaping metallic shank stiffeners in a shoe to conform with the foot of the wearer having, in combination, a main frame having a groove formed in the base portion, a clamping member mounted in the frame to act on the tread surfaces of a shoe, means for effecting a permanent change in curvature along the sections of the shoe and stiffener, a removable shoe support arranged within the groove of the frame to restrict movement of the support transversely of the shoe length, and means for holding the support in any desired position lengthwise of the groove.

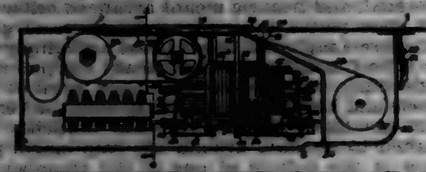
17. The method of changing the longitudinal curvature of the shank of a made-up shoe having a shank stiffener permanently assembled therein between the insole and the outsole thereof, which comprises clamping the rear portion of the shoe in such a manner as to hold immovable the rear end of the stiffener, supporting one of said soles adjacent the forward end of the stiffener, and applying a bending pressure to the unsupported shank portion of the other of said soles between the clamped and supported portions of the shoe.

2,027,717
FUEL OIL BURNER
Albert Ellis, Providence, R. I., assignor, by mesne assignments, to Charles Marshall, Newark, N. J.
Application November 28, 1933, Serial No. 644,626
11 Claims. (Cl. 158—37)

1. In a fuel oil burner, a base provided with a fuel opening, a plurality of burner units comprising vertical concentric outer and inner flanges integral with the base and enclosing annular grooves arranged around the opening, the outer flanges being adjacent to each other to form at least portions of the side wall of a vaporization chamber and provided with openings connecting said grooves to said vaporization chamber, a top closure for the vaporization chamber, outer and inner perforated tubes seated upon said outer and inner flanges respectively, the outer tubes constituting the sides of an auxiliary heating chamber, and a closure for the auxiliary heating chamber directly above the vaporization chamber.

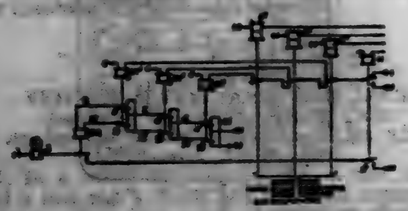


2,027,718
RECORDER FOR CENTRALIZED TRAFFIC CONTROLLING SYSTEMS
Charles S. Bushnell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 14, 1931, Serial No. 508,809
27 Claims. (Cl. 246—125)



13. A railway traffic recorder for recording the passage of a train past a particular location at a particular time as well as distinctively recording the track over which such train moves comprising a recording sheet moved in accordance with the lapse of time, traffic controlled means for making a mark on said sheet for identifying the location of said train, and means for imparting a distinctive character to the mark to thereby identify the track on which said train is moving.

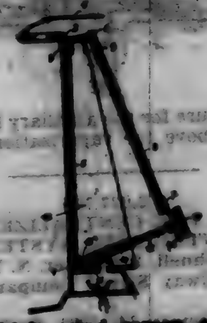
2,027,719
INDICATING MEANS FOR RAILWAY SIGNALING SYSTEMS
Charles S. Bushnell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application May 26, 1932, Serial No. 613,674
13 Claims. (Cl. 246—2)



1. A signaling system for indicating a change in condition of any one of a plurality of indication relays comprising a control relay, pole-

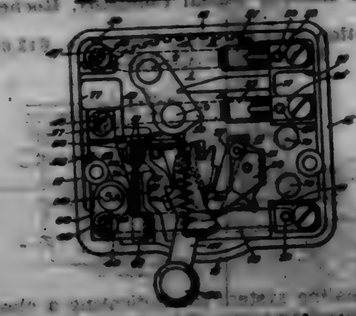
changing contacts operated by each of said indication relays, an energizing circuit for said control relay including said pole-changing contacts in series whereby the control relay momentarily assumes a de-energized position whenever any one of the indication relays is operated to a new position because of the reversal of current in the circuit and signaling means controlled by said control relay.

2,027,720
WIND SCREEN
Charles Francois Charlotti, Brussels, Belgium
Application November 10, 1933, Serial No. 697,459
In Germany November 11, 1932
4 Claims. (Cl. 20—69.5)



1. In a vehicle wind screen comprising two glass plates constituting walls whereby a chamber is formed, and heating means arranged below the said glass plates, means whereby the said glass plates are adapted to be set apart swingingly the one from the other, the said means comprising a single hinge pin fixed on the coach work of the vehicle and branches of hinges to which different walls are fixed whereby the said branches are adapted to oscillate around the said single pin, a pin in the bottom of one of the chambers, a bushing adapted to oscillate around the said pin, a screw threaded rod engaged in the said bushing and fixed on one of the said glass plates whereby when the chamber is opened the said bushing is adapted to follow the glass plate during its oscillation.

2,027,721
CIRCUIT INTERRUPTER
Robert M. Davis, Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 22, 1934, Serial No. 707,009
16 Claims. (Cl. 200—116)



16. In electrical apparatus, a base member, a cover means for cooperating therewith to provide a closure for said apparatus, and a removable, current-carrying trip device for effecting the operation of said apparatus upon the occurrence of predetermined conditions, said trip device including a pair of rigid terminal members which are adapted to engage said base member and upon which the other elements of said device are supported, insulating means for mechanically connecting said terminal members in order to impart greater rigidity to said trip device, current-carrying electro-responsive means electrically connected across said terminals, and an outwardly projecting member of insulating material which is rigidly supported upon one of said terminal members, said cover having an opening therein and said outwardly projecting member being adapted to extend into and thereby close said opening when said trip device is operatively positioned within said closure, said projecting means including means visible from the outside of said closure for indicating the current rating of the associated trip device.

2,027,722
THERAPEUTIC AGENT
Harold Sheely Diehl, Minneapolis, Minn., assignor to Board of Regents of University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application April 4, 1934, Serial No. 719,838
6 Claims. (Cl. 167—67)

1. A therapeutic agent consisting of a mixture of a salt of codeine with a salt of papaverine.

RETLES
STRINGED MUSICAL INSTRUMENT
Rudolph Dupyen, Los Angeles, Calif.
Application March 22, 1933, Serial No. 661,284
11 Claims. (Cl. 84—296)



1. For use in a stringed musical instrument having a body with a well therein, a resonator adapted to be supported at its periphery in the well, said resonator including a dished portion and a peripheral portion, said dished portion including a circumferentially extending flanged portion and a second circumferentially extending thin portion in said peripheral portion.

2,027,724
CONCEALED HINGE FOR AUTOMOBILE AND OTHER DOORS
Fred Steel, Buffalo, N. Y.
Application May 11, 1933, Serial No. 670,561
3 Claims. (Cl. 296—44)

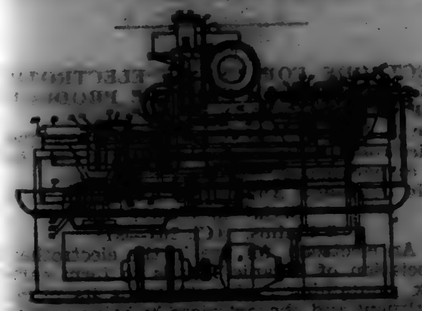
1. A hinge mounting for automobile and other doors comprising a body pillar provided in its front transverse face with a recess, a door pillar provided in its transverse front face with a recess adjacent to the outer front corner and an elevation adjacent to the inner front corner, and a hinge including a body-leaf mounted in the body pillar, a door leaf mounted on said elevation of the door pillar, the latter projecting from said door leaf into the recess of the body pillar, and a spindle arranged in the recess of the body pillar adjacent to the outer front corner thereof and pivotally connecting the body hinge leaf and said arm, said pillar recess being adapted to receive the outer front corner of said body pillar upon turning the door into its open position.

2,027,725
EXPANSION JOINT INSTALLING MEANS
Wallace C. Fletcher, Chicago, Ill.
Application February 27, 1934, Serial No. 713,754
2 Claims. (Cl. 94—18)



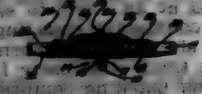
1. An expansion joint installing device comprising a loosely mounted clip embodying a blank having a pair of base flanges for engaging an expansion joint strip, and a triangular ribbed portion connecting the base flanges and perforated to receive a staking means.

2,027,726
MILLING MACHINE
Henry O. Fletcher, Manchester, N. H.
Application January 11, 1933, Serial No. 651,578
20 Claims. (Cl. 90—13.1)



11. In a milling machine, a rotatable work holding turret, and a cutter; means to reciprocate one of said parts to provide an advance movement for performing a cutting operation on the work by the cutter and restore the parts to relative initial position; a first hydraulic motor for reciprocating the reciprocating part; a cutter carrying slide adapted to move the cutter in a second path for retracting the cutter from the work after the operation is completed, and restoring the cutter to operating position; a toggle pivotally connected at one end to a framework of the machine, and at the other end to the slide, so that the toggle will fold as the cutter retracts from the work and straighten as the cutter is restored to operating position; a second hydraulic motor for operating the slide and the toggle; means, including a third hydraulic motor, for rotating the turret; a locking device for locking the turret and holding it in locked position during the operation by the cutter, and unlocking it to allow rotation thereof; a fourth hydraulic motor for operating the locking device; a piping system to distribute fluid under pressure to the motors; a valve in the pipe line leading to the first motor for advancing the reciprocating part, adapted to be closed at the beginning of the turret rotation, and opened as the turret completes its rotation; means operative by the advance movement of the reciprocating part to operate the second motor for retracting the slide in the second path and folding the toggle; means operative by the retracting movement of the slide for operating the first motor for returning the reciprocating part; the fourth motor for unlocking the turret, and the third motor for rotating the turret; means operative by the rotary movement of the turret for operating the valve; means operative by the return movement of the reciprocating part for operating the second motor to restore the slide to operating position and straighten the toggle; and means operative by the retracting movement of the slide for operating the first motor to advance the reciprocating part and the fourth motor for locking the turret.

2,027,727
SOUND REPRODUCER
Ernest W. Franck, Paterson, N. J.
Application June 28, 1934, Serial No. 733,795
39 Claims. (Cl. 274—37)



5. In a sound reproducer, a supporting means, a diaphragm comprising a sheet supported against said means, an annulus held tight against said sheet to produce a plane radial tension in the diaphragm, a stylus holder connected with said diaphragm, and damping means engaging the diaphragm within said annulus.

2,027,728
VEHICLE WHEEL AND TIRE LOCK
James S. Gray, Long Beach, Calif.
Application March 4, 1933, Serial No. 659,526
3 Claims. (Cl. 70—30)

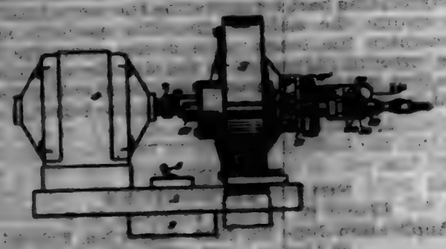
1. In a wheel including a rim, a tire, a hub and a hub cap; a wheel and tire lock comprising a body, a base removably mounted on the body, lock means securing the body and base together, a threaded stud depending from the base, said stud being being adapted and arranged to en-

tend thru the wheel hub and hub cap, a rod extending from the body and mounted therein, means extending thru the tire and rim, and



means on the rod removably attached to said last named means.

2,927,729
METHOD AND APPARATUS FOR REMOVING FEATHERS FROM FOWL
Edward H. Hinchliffe, Lynbrook, N. Y., assignor of one-half to Albert R. Hand, Malverne, Long Island, N. Y.
Application January 17, 1933, Serial No. 652,107
21 Claims. (Cl. 17—11)

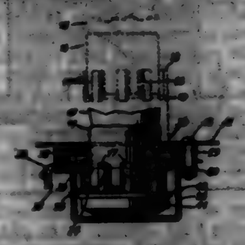


11. A device for removing pin feathers from plucked fowl comprising two oppositely rotating shafts mounted at an angle to each other and having conical collaterally engaging ends of small diameter, the shafts being journaled at their large ends, the small ends being free.

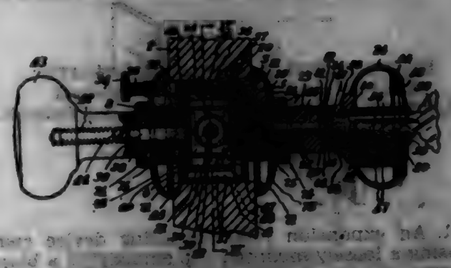
18. A plucking machine comprising a pair of collaterally disposed plucking rolls, means for rotating the same in opposite directions, and means to draw air through said rolls, each of said rolls being provided with a plurality of air passages extending through the body of the roll transversely of its axis.

2,927,730
TUBE BASE AND SOCKET
Julius Hirmann, Hillside, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application August 16, 1932, Serial No. 628,247. Divided and this application May 18, 1934, Serial No. 726,220
5 Claims. (Cl. 173—328)

1. A socket for a vacuum tube having spaced contact supporting bosses on the periphery of the base, including a cup-shaped member having an outwardly extending flange like lip, an annular member supported on said lip and overhanging the interior of said cup-shaped member, spaced radial contact members supported on the under side of said annular member and insulated from said cup shaped member and overhanging said cup-shaped member to a less extent than said annular member, said annular member being provided with interior longitudinal slots intermediate said contacts to permit the insertion of the base into the socket, and means for biasing the base to force the contacts on the base against the contacts in the socket.



2,927,731
LOCK CONSTRUCTION
Marcus Heights, Pittsburgh, Pa., assignor, by mesne assignments, to The American Hardware Corporation, New Britain, Conn.
Application April 24, 1931, Serial No. 533,537
24 Claims. (Cl. 70—91)

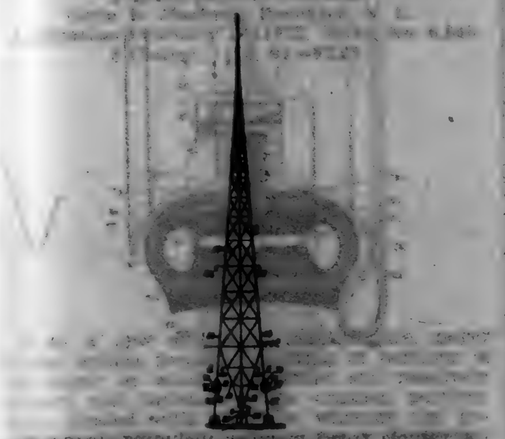


1. Lock structure, comprising a plug, a cylinder adapted to receive the plug, lock tumblers cooperating with the plug and cylinder, a casing adapted to receive the cylinder, and means connected with and rotatable with the plug about a common axis and movable relatively thereto for normally holding the cylinder in place in the casing, said means being adapted for movement to inoperative position to permit the cylinder to be removed from the casing upon movement of the plug out of locked position.

2,927,732
ELECTRODE FOR USE IN ELECTROTHERMAL PROCESSES FOR THE PRODUCTION OF CARBON BLACK
John J. Jakosky, Los Angeles, Calif., assignor to Electroblacks, Incorporated, Culver City, Calif., a corporation of Nevada
No Drawing. Application August 29, 1924, Serial No. 735,257
3 Claims. (Cl. 204—311)

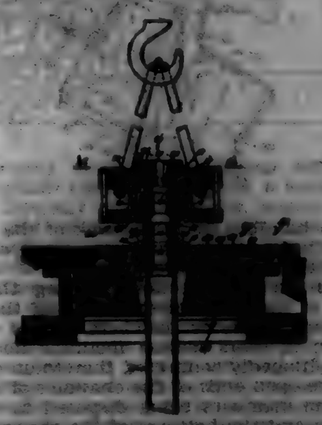
1. An electrode, for use in the electrothermal dissociation of organic liquids to form carbon-black, containing carbon-black as its principal constituent and characterized by being easily dispersed in a rubber mix by the ordinary rubber milling procedure.

2,927,733
VERTICAL MAST WAVE ANTENNA
Ralph L. Jenner, Le Roy, N. Y., assignor to Locke Insulator Company, Inc., a corporation of New York
Application August 7, 1922, Serial No. 580,997
11 Claims. (Cl. 250—33)



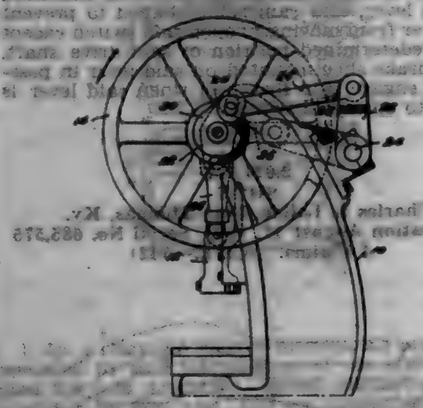
3. A wave antenna comprising a rigid vertical mast provided with two principal supports at the base, and secondary supporting means connected to the mast at a single point within the same located between the ends of the mast, said means being disposed on opposite sides of the principal supports and acting to support the mast as a cantilever and resist bending forces applied thereto in any lateral direction, said mast being insulated from ground and adapted to place function as an antenna.

2,927,734
ROTARY WELL DRILLING APPARATUS
Arthur E. Johnson, Taft, Calif., assignor of one-half to Hamrel & Miller, Los Angeles, Calif., a partnership composed of Herman Miller and Fred H. Miller
Application April 28, 1923, Serial No. 637,929
23 Claims. (Cl. 255—28)



1. In a well drilling apparatus, the combination of a section of drill pipe having a tool joint coupling at the top, a plug secured to the upper end of the coupling and having a flange extending beyond the periphery of the coupling, the lower edge of the coupling having a shoulder adapted for suspension on a rotary table, and the flange of the plug being adapted to form an elevator shoulder for suspending said section by an elevator.

2,927,735
PRESS
William Klecka, Westhaven, N. Y.
Application May 4, 1926, Serial No. 723,866
11 Claims. (Cl. 74—48)



1. A press of the character described, comprising a reciprocatory slide, and actuating mechanism for said slide comprising a crank turning through a full revolution in each cycle, a rocking part having a pair of angularly spaced arms thereon (24, 26, 28) and a second rocking part having an arm thereon (46, 48), a link connecting an arm on said first named rocking part with the arm on said second rocking part, a link connecting said crank (36) with the other arm of said first-named rocking part, and means on said second rocking part for translating rocking movements thereof into reciprocatory movement of said slide, said parts being interconnected and arranged to produce a "dwell" in the movement of said slide at the bottom of its working stroke.

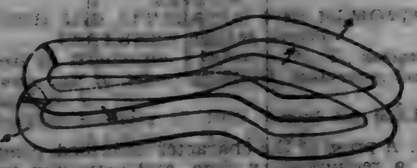
2,927,736
POWER DRIVEN TAG MARKING MACHINE
Frederick W. Lasscher, Flushing, N. Y., assignor to A. Kimball Company, New York, N. Y., a corporation of New York
Application June 18, 1932, Serial No. 617,519
11 Claims. (Cl. 198—148)



1. In a tag marking machine having tag feeding means and tag printing means, in combina-

tion, a main drive shaft operating said feeding means and printing means in timed relation, a fly-wheel mounted thereon, a pivotally mounted friction wheel resting against said fly-wheel, a pivotally mounted motor having an armature shaft adapted to engage said friction wheel, a switch controlling said motor, a pivotally mounted lever for operating said switch, said lever having an extension engaging said motor to move the same to cause said armature shaft to engage said friction wheel as said switch is closed and to cause said armature shaft to disengage said friction wheel as said switch is opened, a cam on said main drive shaft engaged by a second extension on said lever, said cam being shaped to prevent said lever from moving to open said switch except in a predetermined position of said drive shaft, and a brake shoe mounted on said lever in position to engage said fly-wheel when said lever is moved to open said switch.

2,827,727
SHOE
Charles L. Labbe, Fort Thomas, Ky.
Application August 17, 1932, Serial No. 629,575
4 Claims. (Cl. 12—142)



1. The method of making shoes consisting in reducing a leather outsole by paring a skiving marginally from one surface thereof, the skiving corresponding in outside outline to that of the outsole, securing the skiving upon the bottom side of a sock lining layer, turning up an inseam lip on said skiving from the heel breast line forwardly, applying a layer of fabric material upon said sock lining layer and inner margins of the skiving within the boundary of the inseam lip, lapping and securing the edges of said layer of fabric material upon the inner sides of the inseam lip, securing a shoe upper to the inseam lip and later securing the outsole as reduced to the bottom of the shoe.

2,827,728
LUBRICATING OIL AND METHOD OF PRODUCING SAME
Erwin M. Lederer, Fort Worth, Tex.
No Drawing. Application May 4, 1931, Serial No. 535,609
1 Claim. (Cl. 196—13)

The method of producing a 0° F. cold test distillate fraction of paraffin base lubricating oil from the neutral fraction normally produced as part of a paraffin base lube residuum in diverting it to S. R. cold test, which comprises mixing a portion of undiverted residuum with said neutral fraction, diluting said mixture, chilling to —20 to —60° F., removing the precipitated wax from said chilled oil, removing the diluent and separating the neutral and residual fractions, to provide a 0° F. cold test distillate fraction having a viscosity of 100'' to 300'' at 100° F. and a 0° F. cold test residuum fraction stock having a viscosity of 50'' to 900'' at 210° F.

[illegible]
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[illegible]

within said casing comprising a radial aerofoil blade, and an inwardly projecting annular lip between said intake and outlet surfaces adjacent



the blade tip of said fan unit and in radial overlapping relation with the tip of said blade.

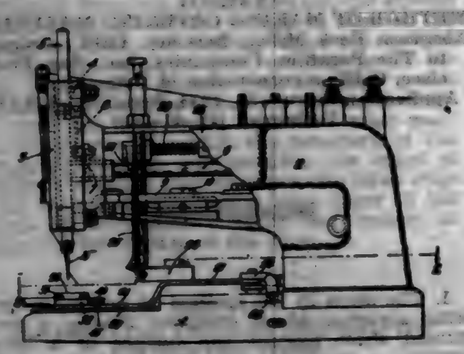
2,027,742

MEANS FOR BINDING WIRE OR THE LIKE

Harold W. Morris, Waltham, Mass., assignor, by mesne assignments, to The Singer Manufacturing Company, Elizabethport, N. J., a corporation of New Jersey

Application December 18, 1930, Serial No. 502,996

4 Claims. (Cl. 112—8)



1. A work holder for a sewing machine comprising a base, a pair of angle members each having a flange supported on said base and together presenting a pair of spaced upstanding wall members between which strands of work may be placed, means fixing one of said angle members to said base, an abutment member secured to said base adjacent to the other of said angle members, springs between said abutment member and said other angle member to press said other angle member toward said fixed angle member, said wall members being recessed on their confronting faces between their ends to provide space between them and the work for the passage of a sewing needle.

2,027,747

JOINED STRUCTURE

Lawrence D. Morton, Sandusky, Ohio, assignor to The Hinde and Dauch Paper Company

Application October 26, 1934, Serial No. 749,502

6 Claims. (Cl. 229—45)



2. A box of inherently stiff sheet material comprising portions, each of said portions having an open end, said open ends being complementarily shaped to prevent side motion in any direction when abutting.

2,027,748

BEAM WITH ADJUSTABLE HEAD

Frank Mossberg, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, a corporation of Massachusetts

Application June 27, 1932, Serial No. 619,529

8 Claims. (Cl. 248—124)



1. In a beam, a body member of relatively soft material, a head member having a contractile hub of a material harder than said body member and provided with an opening therein to receive said body member and be movable therealong to different adjusted positions, and a split tube of a material harder than said body with its edges spaced and of a length to extend longitudinally of said body sufficient to be engaged by said hub when contracted in its different positions of adjustment whereby, when the tube is clamped on the body the body member is protected and yet variation in size due to the hydroscopic nature of the body is provided for.

2,027,749

BEAM

Frank Mossberg and Robert V. Olson, Attleboro, Mass., assignors to Mossberg Pressed Steel Corporation, a corporation of Massachusetts

Application August 26, 1932, Serial No. 630,281

3 Claims. (Cl. 248—120)

1. In a warp beam, a barrel member, an adjustable head member comprising a disk and a hub band embracing said barrel member and having terminal ears, ribs secured to said hub and extending outwardly therefrom, one of said ribs located substantially opposite said ears and fixed to the outer surface of said disk, means



fixed to the disc and straddling portions of said other ribs for holding said other rib against said disk and yet permitting movement thereof upon contraction of said hub, and means for contracting said hub.

2,027,750

COPPER BASE ALLOY

Elmer L. Munson, Naugatuck, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut

No Drawing. Application October 26, 1934, Serial No. 749,576

10 Claims. (Cl. 148—31.3)

1. An alloy composed of copper, nickel, aluminum and beryllium in proportions substantially within the following ranges:

	Percent
Copper	91.75 to 96.75
Nickel	2.0 to 5.0
Aluminum	0.5 to 2.0
Beryllium	0.75 to 1.25

2,027,751

PHOTOELECTROSTATIC RELAY

Herbert Nelson, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 15, 1934, Serial No. 711,351

5 Claims. (Cl. 250—27.5)



1. A unitary photo relay comprising a highly evacuated bulb having a press at one end and enclosing a fixed contact mounted on said press, a resilient blade mounted at one end on said press and tensioned to normally engage said fixed contact, a support wire projecting from said press into said bulb alongside said blade, a

low leakage insulator on the inner end of said support, a sheet metal photocathode supported on said insulator beside said blade and sensitized to light on its surface opposite said blade, a rod anode mounted on said press parallel to and on the sensitized side of said photocathode, an insulating spacer mounted on said press adjacent the upper end of said photo-cathode, an actuator plate mounted on said spacer near the free end of said blade parallel to the side of said blade, and an electrical connection between said photocathode and said actuator plate and extending through the other end of said bulb.

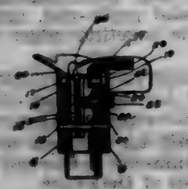
2,027,752

LOOM SHUTTLE STRUCTURE

Herman Nova, Woonsocket, R. I., assignor to Shambow Shuttle Company, Woonsocket, R. I., a corporation of Rhode Island

Application July 7, 1933, Serial No. 679,257

1 Claim. (Cl. 139—217)



In a weft replenishing loom shuttle provided with means for exerting substantially normal tension upon a thread before the thread is drawn into the thread delivery eye, a thread block provided with a normal thread passage communicating directly with the thread delivery eye and having a restricted thread receiving opening communicating therewith through which the thread is drawn into thread passage for entry into the thread delivery eye, means for pretensioning the thread prior to its being drawn into the thread delivery eye to an extent substantially equivalent to the tension exerted upon the thread when located within the thread passage and thread delivery eye comprising, upright tension members located at the bobbin end of said thread passage and having contact surfaces extending materially above said thread passage for receiving and tensioning a thread above said normal thread passage on the first pick after transfer, said tension members being supported at a point in the same horizontal plane as the lower portion of said normal thread passage for combined sliding and tilting movement transversely of said thread passage, and resilient means engaging one of said tension members at a point in the same horizontal plane as the upper edge of the normal thread passage and substantially midway between the point of support for said tension member and the location of the thread when initially subjected to tension as it is drawn between the tension members at the commencement of the shuttle movement on the first pick after transfer.

2,027,753

SASHLESS SLIDING WINDOW

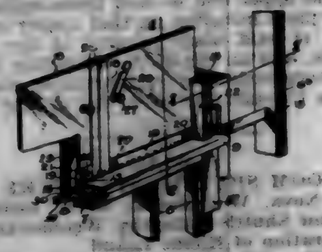
Frank McMurray Sawyer, Houston, Tex.

Application August 16, 1934, Serial No. 740,378

2 Claims. (Cl. 20—52.1)

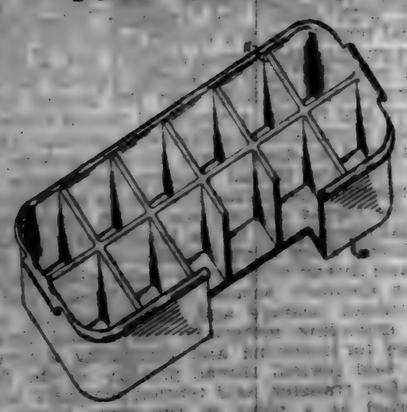
1. A sashless window embodying a pair of window-panes, inner and outer sills, a guide-rail formed with a vertical wall and a sloping outer

wall extending across the bottom of the window, a pair of vertical studs at each side of the window with their inner faces spaced apart to permit the panes to slide therebetween, a metallic shoe secured to the bottom edge of each of the window-panes and having spaced walls, the outer wall being provided with a flexible lip adapted



to slide on the sloping outer wall of the guide-rail, bearing sheaves mounted between said spaced walls and mounted to roll upon the top edge of said guide-rail, and meeting strips secured to the meeting edges of the window-panes.

2,027,754
ICE TRAY
Albert C. Smith, Larchmont, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application July 28, 1933, Serial No. 682,543
2 Claims. (Cl. 62—106.5)



1. In an ice freezing receptacle for refrigerators, wall structure formed substantially entirely of small particles of good thermal conductive metal bonded together by a flexible material, thereby providing paths of good thermal conductivity therethrough and adapted for flexure in all directions to loosen the ice after freezing.

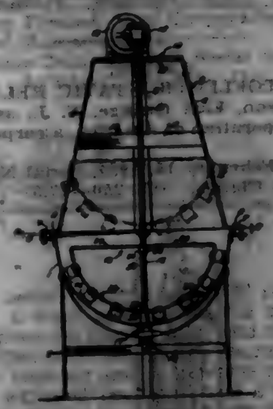
2,027,755
SYNCHRONIZING DEVICE FOR MACHINE GUNS ON AIRCRAFT
Jan Szal, Warsaw, Poland
Application March 2, 1935, Serial No. 9,944
In Poland March 14, 1934
8 Claims. (Cl. 89—37)

1. A synchronizing device for machine guns on aircraft, comprising in combination: a cam disc mounted on the propeller shaft and exactly adjustable thereon in the direction of rotation thereof; means for sliding said cam disc on the shaft into an operative position when the latter is in a certain definite angular position; a push member co-operating with said cam disc so as to move to-and-fro when the latter is in the operative position; a lever operatively connected with said push member so as to participate in the to-and-fro movements of the latter; a link member operatively connected to said lever; and



a second lever operatively connected to said link and to the firing device of the machine gun, whereby twice the number of to-and-fro movements are imparted to the said firing device, each of said movements causing the firing of a shot.

2,027,756
CENTER LINE SCRAPER AGITATOR
George H. Tay, Phillipsburg, Pa., assignor to Lo Metal Products Company, Inc., Phillipsburg, Pa.
Application December 30, 1934, Serial No. 758,496
11 Claims. (Cl. 259—43)



1. A vessel having an outlet in its bottom, a shaft extending into said vessel coaxially with said outlet and terminating a short distance above said outlet, means for rotating said shaft, and scraper mechanism slidable on and rotatable with said shaft and including means rotatable in said outlet and closing the same when the mechanism is in scraping position in said vessel.

2,027,757
ARCH SUPPORTER
Cleveland Whitfield and Sarah Georges, Albuquerque, N. Mex.
Application January 8, 1934, Serial No. 705,935
2 Claims. (Cl. 36—71)

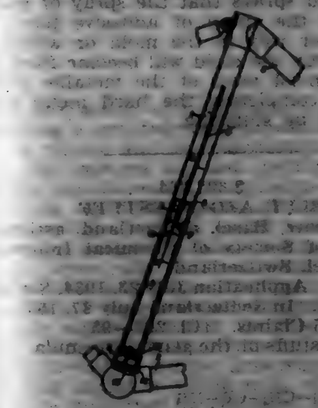
1. An arch supporter comprising a body member shaped to fit within a shoe and to conform to

the natural shape of the instep portion of the foot, said body member comprising two superimposed laminations, the lower lamination being substantially hard and the upper lamination soft, said body member at its instep portion having a high portion extending from substantially one side of



the body to the other, the high side of said portion being separated from the first lamination by a groove in the inner side face of said high portion, said groove extending lengthwise of the instep portion and extending partially within the heel and toe portions.

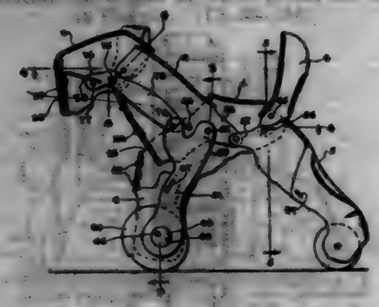
2,027,758
CYCLE
Philipp Becker, Zurich, Switzerland
Application February 23, 1935, Serial No. 8,767
In Switzerland December 18, 1933
7 Claims. (Cl. 230—155)



1. In a cycle, a pump connected with the cycle frame, a seat tube forming a cylinder for the plunger of the pump, a guide slot provided in said seat tube, this tube having an air discharge opening, a tube forming the plunger of the pump and having a passage communicating with said guide slot, a separate pump handle having a base, the said passage being adapted to receive said base, and means for anchoring the plunger tube in the seat tube.

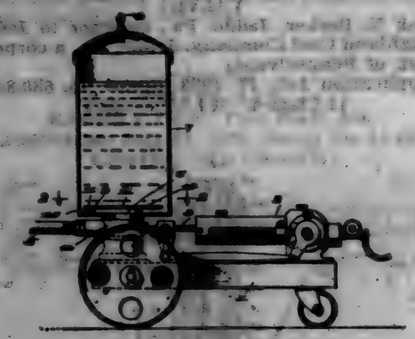
2,027,759
STOCKING FOOT
Frederick Anderson, Detroit, Mich.
Application December 6, 1933, Serial No. 701,973
23 Claims. (Cl. 46—[illegible])

1. A figure toy comprising a body provided with rigid front legs, a neck pivoted to the body, pivoted rear legs connected to the body and pivoted to and directly actuated by the neck, a traction wheel mounted on the front legs, and a crank connection between the traction wheel



and the neck for imparting movement to the neck and the rear legs.

2,027,760
DISPENSING CONTAINER
Albert W. Arnold, Miami, Fla.
Application August 31, 1933, Serial No. 687,111
Renewed June 11, 1935
3 Claims. (Cl. 221—47.1)

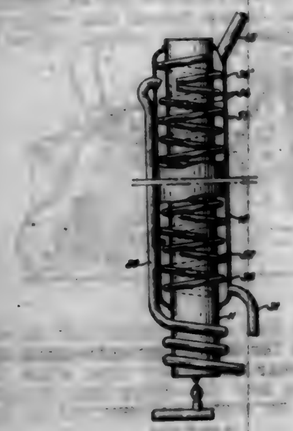


1. A grease container having a discharge orifice therein, and a distributing disk extending approximately throughout the area of said container and mounted over said orifice in spaced relation therefrom and having openings of gradually diminishing size from the outer portion of the disk toward the center thereof and arranged therein over a substantial portion of the area thereof, through which the grease passes to the discharge orifice.

2,027,761
REFRIGERATION
Sigurd Mattias Blichtrihn, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application March 5, 1935, Serial No. 9,361
In Germany March 7, 1934
10 Claims. (Cl. 62—119.5)

1. The combination in a refrigeration system with an absorber, a generator vessel, and means for circulating absorption liquid between the generator vessel and the absorber so that liquid flows downwardly in the generator vessel and thence to the absorber, of oppositely oblique

members in said generator vessel for causing vapor flowing upwardly through the generator to repeatedly reverse its direction of flow and



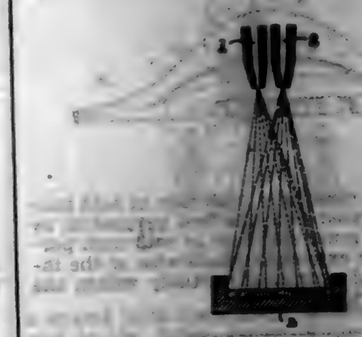
liquid flowing downwardly in the generator to repeatedly reverse its direction of flow.

2,027,762
VALVE
Frank N. Becker, Jeddo, Pa., assignor to Jeddo-Highland Coal Company, Jeddo, Pa., a corporation of Pennsylvania
Application July 17, 1933, Serial No. 680,833
11 Claims. (Cl. 137—152.5)



1. An automatic stop valve of the type described, including in combination, a body having an inlet and outlet in communication through a passage in the body, a closure member movable to establish or cut off communication between said inlet and outlet, a bleeder passage connecting the inlet and outlet, a cylinder having a piston therein, a piston rod connecting the piston and closure member, a port affording communication between the cylinder and outlet side of the closure member, a spring having one end acting on said piston to force it in the direction to close the valve member, and means to subject the other end of the spring to a force varying as the fluid pressure on the inlet side of the valve member.

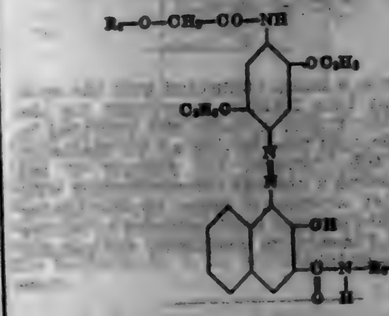
2,027,763
PROCESS OF MAKING HARD SINTERED METALS
Gustav Becker, Essen, Germany, assignor to "Acidia", Thionville, France, a joint-stock company of France
Application October 12, 1931, Serial No. 568,891
4 Claims. (Cl. 75—1)



1. Process for making sintered hard metals, in a mold, which comprises producing a spray of a dry, finely powdered mixture of difficultly fusible metals and a more readily fusible auxiliary metal, under high pressure, producing a spray of an adhesive agent customary for binding hard metals likewise under high pressure, so directing said sprays that the spray of metallic powder and the spray of adhesive liquid will meet on their way to the mold or within the latter, whereby the mold will become filled with a compact moist mass of the metallic powder, and finally completing the hard metal article thus molded by sintering.

2,027,764
BLUE AZO-DYESTUFF
Gérald Benbitz, Basel, Switzerland, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 23, 1934, Serial No. 736,612. In Switzerland July 27, 1933
5 Claims. (Cl. 260—25)

1. The dyestuffs of the general formula



wherein R_1 represents an aromatic nucleus of the benzene series, and R_2 also represents an aromatic nucleus of the benzene series in which one of the ortho-positions to the OCOHR-group is occupied by the substituent X, X standing for a group of substituents consisting of methyl and O-alkyl, the alkyl radical of the O-alkyl-group containing

at most of 3 carbon atoms, which products form dark powders dissolving in pyridine to blue-violet to blue solutions and dyeing cotton fast blue tints.

2,027,765
FENCE POST
John B. Cuneo, San Francisco, Calif.
Application October 11, 1934, Serial No. 748,168
1 Claim. (Cl. 72—33)

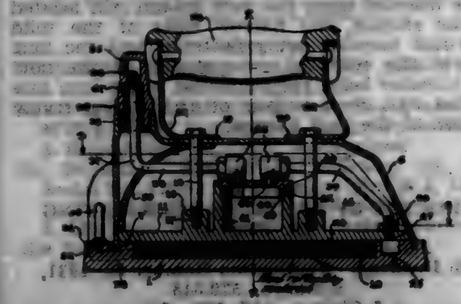


As a new article of manufacture, a fence post comprising a concrete body substantially square in cross section and an intermediate section between the extreme top and ground section reduced an equal amount on opposite sides thereof to provide an oblong cross section, to provide flat horizontal shoulders at the junction of said ground and reduced sections, to support the ends of lower fence rails, said post being further provided with a longitudinally disposed dovetailed groove in one unreduced side thereof and a substantially square recess in the top of said post; and a readily penetrable material mounted within said dovetailed groove and recess to provide a securing means to which rails, or other members to be supported by said post, may be readily nailed.

2,027,364
PROCESS FOR AMMONIATING ORGANIC MATERIALS
Royall O. E. Davis and Walter Scholl, Washington, D. C.; dedicated to the free use of the Public
No Drawing. Application February 15, 1933, Serial No. 657,473
2 Claims. (Cl. 71—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

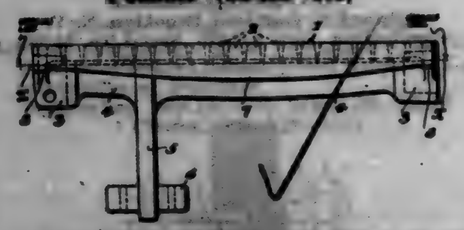
1. The process of manufacturing fertilizer materials which comprises charging peat into an autoclave, closing the autoclave, bringing anhydrous ammonia into contact with the peat, heating the mixture to a temperature of 150° to 300° C., maintaining said temperature for a period of eight hours, allowing the mixture to drop to a temperature of 35° C., and removing the unconsumed ammonia from the mixture.

2,027,767
ELECTRIC IRON AND DAMPENER
Donald A. Deems, St. Louis, Mo., assignor to Ernest F. Fuhl, St. Louis, Mo.
Application November 24, 1934, Serial No. 754,630
18 Claims. (Cl. 68—24)



1. An electric iron and dampener including a base having steam channels therein and outlet ports opening from said channels through the lower surface of the base, a casing on the base forming therewith a water reservoir and having a steam dome, means forming a hot spot water trapping and vaporizing chamber on the base within the reservoir, means for heating the base as well as the water in said reservoir and in the vaporizing chamber, a steam pipe leading from the steam dome to said chamber, and a steam pipe leading from the said chamber to the steam channels of the base.

2,027,768
GRATE-BAR
Edward S. Dilley, Pine Bluff, Ark.
Application July 15, 1935, Serial No. 31,481
4 Claims. (Cl. 126—178)



1. A dual cast grate-bar comprising an ash supporting upper portion of metal of a nature which will primarily resist heat and sagging; and reinforcing ribs fused to the underside of the upper portion of metal of a nature having primarily a high resistance to shock.

2,027,769
WEFT BOBBIN FOR AUTOMATIC WEFT SUPPLY
Eduard Egli and Edwin Schoch, Ruti, Switzerland, assignors to Maschinenfabrik Ruti vormals Caspar Honegger, Ruti, Switzerland
Application November 22, 1934, Serial No. 754,364
In Switzerland November 29, 1933
1 Claim. (Cl. 139—207)



A weft carrier for looms with automatic change of bobbins, comprising a flat front por-

tion with the long axis in the horizontal direction, to carry the weft, a conical rear portion having two opposite feeler slots, a solid hold-fast member provided with holding beads and elliptical in cross section for the purpose of preventing rotation and slipping of the fresh bobbin of weft to be inserted upon the weft bobbin still located in the shuttle, the narrow sides of the solid hold-fast member being flattened and the long axis of the elliptical cross-section of the hold fast member being perpendicular to the long axis of the flat cross-section of the weft-carrying portion of the weft carrier.

2,027,770

PROCESS OF TREATING LUBRICATING OIL STOCK

John B. Fields, Los Angeles, Calif.

No Drawing. Application October 30, 1931, Serial No. 572,945

5 Claims. (Cl. 196—34)

1. A process of treating a lubricating petroleum oil stock which comprises thinning same with a light petroleum hydrocarbon solvent, in such proportions as to give a mixture of low viscosity, and thereafter flowing the mixture, in a substantially anhydrous condition, into intimate contact with a solid alkali metal in a comminuted state at not substantially above normal room temperature, until impurities therein have been coagulated, separating said oily materials and the coagulated impurities from each other, before chemical reaction of any substantial proportion of the alkali metal with hydrocarbon compounds is effected, and distilling said light petroleum hydrocarbon solvent, from the lubricating oil stock.

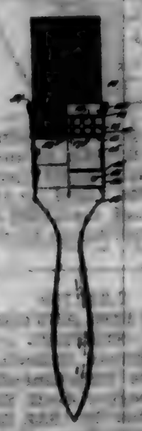
2,027,771

PAINTBRUSH BRIDLE

Edward N. Garrison, Brooklyn, N. Y.

Application April 5, 1935, Serial No. 14,989

4 Claims. (Cl. 15—248)



1. A paint brush bridle of tubular form adapted to fit the forward end of a paint brush handle and the base of the bristle bunch of such brush provided with circumferential and longitudinal ribs forming a reticulation, said reticulation being located between the ends of the bridle and forming pockets to catch drippings from the brush bristles.

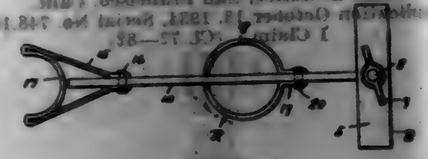
2,027,772

FISHING POLE HOLDER

Otto R. Hein, Milwaukee, Wis.

Application April 12, 1935, Serial No. 16,061

2 Claims. (Cl. 248—30)



2. In a fishing pole holder, an arm, a yoke member including a pair of arms and a bight, the bight being bowed inwardly between the arms of the yoke member to form a seat for a fishing pole and the arms of the yoke member converging from their junctures with the bight to the free ends, said free end being pivoted to one end portion of the first mentioned arm at a point spaced from the free end of said first mentioned arm a distance less than the distance between the bight and the pivotal-point whereby the yoke member can be swung to a horizontal position when not in use, and a holder member pivoted to an intermediate part of the first mentioned arm and composed of two substantially semi-circular portions having their free ends spaced apart whereby said holder can be swung into a horizontal position with the two parts at the sides of first mentioned arm or to a vertical position to hold a part of the rod.

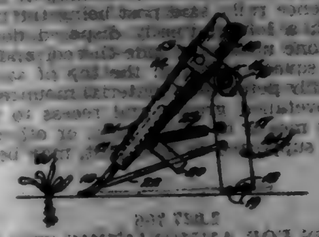
2,027,773

WEED PULLER

Earl Tom Hendy, Portland, Oreg.

Application May 4, 1935, Serial No. 19,961

9 Claims. (Cl. 294—123)



1. In a weed puller, a handle, a pair of diverging tines carried by said handle at its lower end, a finger movable into and out of position with its lower end between said tines, said finger pivoted to a leg, said leg pivotally connected to said handle, said leg adapted to retract the finger upon insertion of said tines into the ground.

2,027,774

STRIPPING TOOL

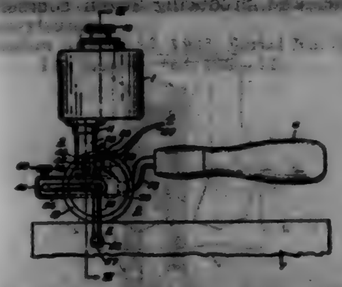
Frank B. Hewes, Pittsburgh, Pa.

Application May 16, 1934, Serial No. 726,241

10 Claims. (Cl. 81—3.8)

1. A device for [illegible] comprising a rotatable outlet means, a container for said fluid,

and a conduit communicating with said container and said outlet means, said conduit having an adjustable miter joint, and means for securing the



parts of said joint in different relative fluid-feeding positions.

2,027,775

STOP MOTION FOR LOOMS

William H. Hill, Kannapolis, N. C.

Application September 13, 1934, Serial No. 41,163

4 Claims. (Cl. 139—337)



1. A harness stop motion device comprising a stand to be placed under the harness frame of a loom, said stand having upstanding spaced arms, a tubular member carried by one of the arms, a rod insertable from above within the tubular member, a bar carried by the upper extremity of the rod and substantially bridging the space between the upstanding arms, a spring within the tubular member below the rod for normally maintaining said rod and bar in a raised position, a stop off bar, and an upstanding rod carried by the bar having a part for engaging the stop off bar upon depression of the first named rod and bar, said bar being positioned below the harness to be contacted by a dropping frame.

2,027,776

WEAVING LOOM

Radolf Hrdina, Cerveny Kostelec, Czechoslovakia

Application April 12, 1934, Serial No. 720,501

In Czechoslovakia April 20, 1933

8 Claims. (Cl. 139—121)



1. In a device for automatically changing the weft spools of a mechanical weaving loom, a hammer, a two-part telescopic push-rod for actuating said hammer, a pawl on one part of said push-rod, a retainer in the other part of said push-rod, and means for causing said pawl to enter said retainer when the shuttle is correctly positioned for a spool-changing operation.

2,027,777

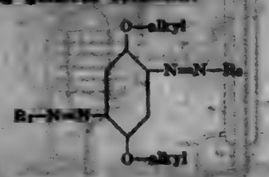
MORDANT DISAZO-DYESTUFFS AND THEIR MANUFACTURE

Ernst Hug, Neu-Allschwil, near Basel, and Max Müller, Basel, Switzerland, assignors to Durand & Huguenin S. A., Basel, Switzerland

No Drawing. Application February 25, 1935, Serial No. 8,296. In Germany March 3, 1934

6 Claims. (Cl. 260—151)

6. Mordant disazo-dyestuffs corresponding to the following general formula:



wherein R_1 stands for a sulphonated benzene nucleus and R_2 stands for a benzene nucleus containing as substituents a hydroxyl- and a carboxylic group in ortho position to each other, said dyestuffs constituting brown powders being in form of their alkali salts easily soluble in water, yielding orange-brown to red-brown solutions giving with concentrated sulphuric acid red-violet to blue-violet colorations, and yielding in chrome printing on cotton red-brown to violet-brown of good fastness properties.

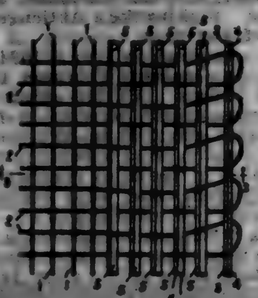
2,027,778

WOVEN WIRE SCREEN CLOTH

John H. Hollingsworth, York, Pa., assignor to New York Wire Cloth Company, New York, N. Y., a corporation of Delaware

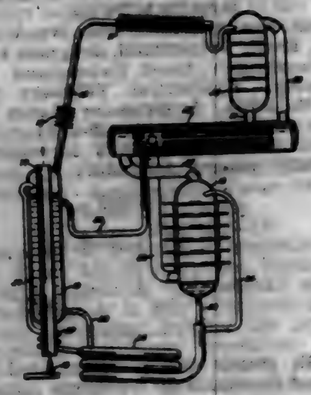
Application July 27, 1935, Serial No. 33,457

7 Claims. (Cl. 139—425)



1. Woven wire screen cloth consisting throughout substantially its entire extent of conventional and similar warp and weft elements and provided along at least one selvage edge thereof with a printing band comprising a plurality of closely spaced special warp elements each consisting of a flattened wire and a round wire laid in contact with each other and together presenting a surface substantially wider than the diameter of any of said conventional warp and weft elements, and adapted to receive and to afford a background for suitable indicia printed upon said printing band.

2,027,779
REFRIGERATION
Wilhelm Georg Kägi and Nils Widell, Stockholm, Sweden, assignors, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application June 12, 1934, Serial No. 730,275
In Germany June 12, 1933
7 Claims. (Cl. 62—119.5)



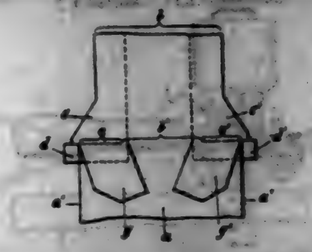
1. In an absorption refrigeration system, a generator, an evaporator, an absorber, means including a gas heat exchanger interconnecting said absorber and evaporator for circulation of inert gas therebetween, means including a liquid heat exchanger interconnecting said absorber and said generator for circulation of absorption liquid therebetween and means also including said gas heat exchanger and exclusive of said absorber and liquid heat exchanger for conducting unevaporated liquid from said evaporator to said generator.

2,027,780
PROCESS OF TREATING COBALT-TUNGSTEN-CHROMIUM ALLOYS
Werner Köster, Krefeld, Germany, assignor to Vereinigte Stahlwerke Aktiengesellschaft, Duesseldorf, Germany
No Drawing. Application May 4, 1934, Serial No. 723,976. In Germany February 18, 1931
2 Claims. (Cl. 148—11.5)

1. The process which consists in forming an alloy comprising about 40 to 85% cobalt, about 5 to 40% of tungsten and the balance constituting about 10 to 40% of the alloy consisting substantially of chromium, said alloy containing carbon in amounts not exceeding 0.2%, subjecting said alloy to a precipitation hardening by heating the alloy to a temperature between about 1000° C. and the melting point of the alloy, rapidly cooling from this temperature and annealing at temperatures between 500 and 900° C.

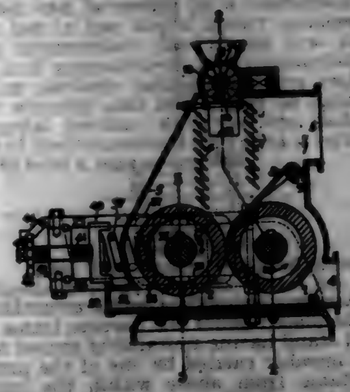
2,027,781
METHOD OF MAKING HOSIERY
Paul Lieberknecht, Einsiedel-Chemnitz, Germany
Application March 18, 1933, Serial No. 661,240
In Germany November 17, 1932
5 Claims. (Cl. 66—167)

1. The method for the manufacture of stockings on a flat hosiery frame which comprises knitting the leg part, knitting the separating courses in front of the edge parts of the leg, and then knitting the foot part consisting of front and sole parts and the toe and impaling this section, at the places where the heels are to be applied, on the needles of an auxiliary knitting machine, and producing stitch courses on the



transferred section which are longer than the separating courses, whereupon the heel is made broader than the separating courses, and finally finishing the stocking.

2,027,782
PULVERIZING MILL
Eric Lundgren, Linganore Hills, Md.
Application June 22, 1931, Serial No. 545,981
7 Claims. (Cl. 83—12)



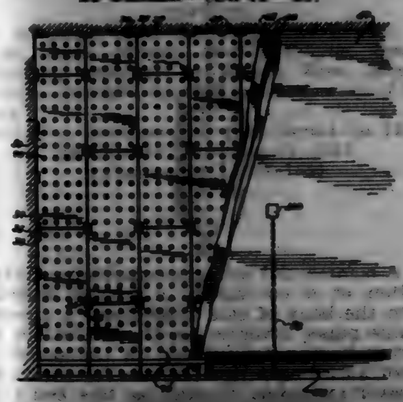
6. A pulverizing mill having a casing, horizontally extending pulverizing elements provided by cooperating rollers the axes of which extend horizontally and longitudinally, feeding means provided at the top of the casing and constructed for delivering material to the pulverizing elements for the full length thereof, horizontally and transversely extending shafts below the feeding means and carrying deflecting vanes provided by longitudinally spaced transversely extending plates arranged for directing at will material in larger quantities to certain portions of the rollers than to others and to thereby regulate the wear upon the rollers, and above the rollers but below the feeding means two sets of longitudinally extending deflecting plates between which sets the transversely extending deflecting plates are located, which said sets are sufficiently spaced to define a downwardly extending passageway through which the material fed by said feeding means must pass on its way to the rollers, each said set of longitudinally extending deflecting plates being composed of vertically spaced plates that slope forwardly and downwardly, there being one set of such plates over one roller of a pair of the cooperating rollers and another set of such plates over the other roller of said pair of cooperating rollers.

2,027,783
PUMP ANCHOR
John N. Martin, Tulsa, Okla., assignor to Bradford Motor Works, Bradford, Pa., a corporation of Pennsylvania
Application August 27, 1935, Serial No. 37,945
17 Claims. (Cl. 166—13)



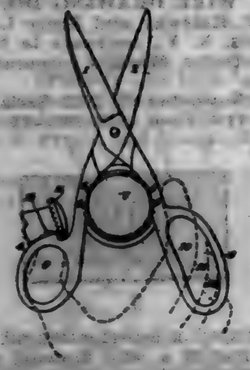
1. A pump anchor for use in well tubing, comprising an anchor tube, a downwardly tapered tubular head secured to the upper end thereof, a resilient packing surrounding said head, and a sleeve slidably mounted on said tube with its upper end engaging the packing and adapted to be held stationary in the well tubing while said head moves downwardly relative thereto to expand said packing into frictional engagement with said tubing, said tapered head being provided with a plurality of circumferential grooves into which portions of the expanded packing are compressed to aid in restraining upward movement of the head in the packing.

2,027,784
PARTITION STRUCTURE
John Page, Evanston, Ill.
Application April 26, 1934, Serial No. 722,473
21 Claims. (Cl. 72—44)



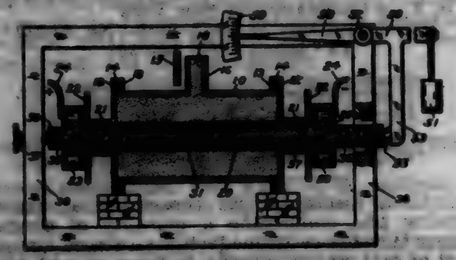
1. The method of erecting a partition, which comprises arranging plaster boards edge to edge in a substantially vertical plane with joints broken, connecting said boards together, providing one side of said boards with stiffening members, applying a plaster coating to the other side of said boards, and then applying a coating of plaster to the first mentioned side of said boards.

2,027,785
BOTTLE CAP REMOVER
Frederic H. Sauk, South Orange, N. J., assignor to J. Wiss & Sons Co., Newark, N. J., a corporation of New Jersey
Application December 17, 1931, Serial No. 581,549
1 Claim. (Cl. 65—46)



A unitary, integral tool for removing crimped bottle-caps, provided with a sharp, angular, engaging point, an extension projecting in the same direction as the point and sufficiently far beyond the bottle-cap to be firmly gripped by the hand, said extension having a single, convex and smoothly curved portion adapted to rock over the top of a bottle-cap to draw the said point upward when the said extension is pushed downward, and a smoothly and continuously, convexly curved element in the form of an arc of an ellipse, having its greater axis parallel to the said extension, extending backward from said engaging point, and adapted to rock smoothly and evenly against a bottle neck to act as a fulcrum when the said point is engaged under the edge of the bottle cap and the said extension is swung upward and away from the cap.

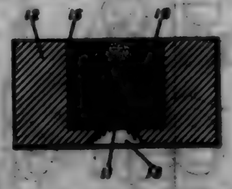
2,027,786
METHOD OF MAKING BORON CARBIDE ARTICLES
Raymond R. Ridgway and Bruce L. Bailey, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application October 20, 1933, Serial No. 694,562
13 Claims. (Cl. 13—23)



1. The method of making a shaped article of boron carbide comprising the steps of heating boron carbide granules in a metal environment to a temperature at which they will cohere under pressure, pressing the grains in a carbon mold to shape the article and preventing the boron carbide from remaining in a molten condition in contact with the mold and dissolving a material

amount of carbon therefrom, thereby forming an article of boron carbide having a conchoidal crystalline fracture which appears substantially as a single phase free from parting planes of graphite.

2,027,757
WIRE DRAWING DIE
Raymond R. Ridgway and Bruce L. Bailey, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application November 13, 1933, Serial No. 697,744
11 Claims. (Cl. 205—29)



1. A die shaped as a perforated nib of required dimensions having a wire drawing surface, the effective portion of which comprises boron carbide of the formula B_6C.

2,027,758
BEARING
Raymond R. Ridgway and Bruce L. Bailey, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application March 8, 1934, Serial No. 714,536
5 Claims. (Cl. 308—242)



1. A bearing comprising a molded body of the required dimensions and shape which is composed of boron carbide of the formula B_6C.

2,027,759
DISPLAY DEVICE
Charles Roberts, New York, N. Y., assignor to Multipester Advertising Corporation, New York, N. Y., a corporation of New York
Application July 21, 1933, Serial No. 681,871
13 Claims. (Cl. 40—26)



1. In a display device containing a display window and comprising a plurality of display sheets movably restrained within a closed circuit, part of said circuit crossing in front of said window, means to compact in said circuit the said sheets in an overlapping series across the entire front of said window, the leading sheet thereof being in register with said window, and means to advance the leading sheet of said series out of register of said window, and subsequent means therewith to advance into register with said window the sheet next to said leading sheet.

2,027,760
SIGN REPLAY CHANGE
Louis J. Schmitter, Chicago, Ill.
Application September 30, 1935, Serial No. 42,021
2 Claims. (Cl. 40—125)



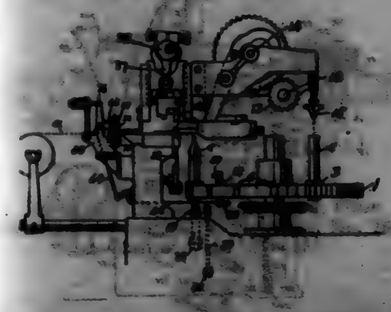
1. A plate retaining structure comprising a frame member comprising a peripheral wall and an inwardly projecting peripheral flange integral with one edge of said wall and against which a peripheral edge portion of a plate is adapted to bear, there being slots in the top and bottom and in the side portions of said peripheral wall, a skeleton flexible, normally bowed retaining member adapted to fit within the peripheral wall of the said frame member and coinciding in shape and size substantially with the inwardly extending peripheral flange of the frame member, projections on the upper and lower ends of the retaining member for engaging in the slots in the top and bottom portions of the peripheral wall when said retaining member is flexed to extend substantially parallel with said inwardly projecting peripheral flange, and digitally operable latch members on the side portions of said retaining member for engaging in said slots in the side portions of said peripheral wall.

2,027,761
CONFECTION COVER
Joseph Schreyer, Brooklyn, N. Y.
Application April 5, 1933, Serial No. 664,538
2 Claims. (Cl. 206—56)



1. A commercial package comprising the combination of a confection, a handle embedded within the body of said confection, a one-piece bag like paper covering for the confection, said covering having an opening in the sealed end thereof affording a free passage for the handle, the cover extending beyond the free end of the confection, and being outside of the mouth thereof around the free end of the confection said covering thereby forming a continuously sealed one-piece sanitary housing for the confection, and there being tearing lines formed in the covering starting from the mouth thereof to facilitate the progressive exposure of the free end of the confection during the eating operation.

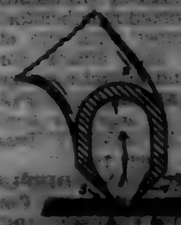
2,027,762
AUTOMATIC TUBE CLOSING AND CLIP ATTACHING MACHINE
Francis J. Stokes, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 21, 1932, Serial No. 600,189
19 Claims. (Cl. 112—1)



1. In a machine of the type described, means for conveying a plurality of tubes having open ends, means for creasing the open ends of said tubes, means for folding and closing said creased ends, means for forming a metallic clip, means for feeding metal to said last mentioned means, means for preventing the operation of said feeding means when there is no tube in position, and means for applying said clip to a tube and for clamping it thereon.

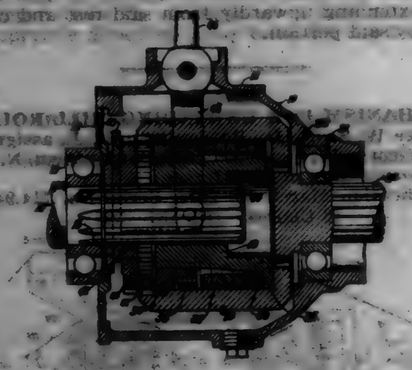
9. In an automatic machine for closing collapsible tubes, means for conveying a plurality of tubes having open ends, a reciprocating member mounted above the line of travel of the open ends of said tubes, a pair of blades rigidly and immovably mounted on said reciprocating member and depending therefrom so as to form a triangle in side elevation, means for providing for horizontal adjustment of said blades on said member relative to each other, and means for reciprocating said member and said blades so that said blades enter the open ends of said tubes and spread said open ends from circular into prolate transverse cross-section.

2,027,763
NOZZLE FOR VACUUM CLEANERS
Victor Neufeld-Mosher Smith, Fergus, Ontario, Canada, assignor to Beatty Bros. Limited, Fergus, Ontario, Canada, a corporation of Canada
Application December 21, 1932, Serial No. 648,236
In Canada December 21, 1932
2 Claims. (Cl. 15—385)



1. A vacuum cleaner nozzle for cleaning carpets, rugs and the like having two parallel wedge shaped lips forming a substantially narrow mouth, one of said lips being at a higher elevation than the other lip, the higher positioned lip directing the flow of air before it enters the mouth over the surface of the carpet in close proximity to the mouth of the nozzle and then down into the dirt gutter at the base of the pile and then upwardly between the lips of the nozzle to the dirt collecting chamber of the vacuum cleaner, the lower positioned lip penetrating the pile and spreading it as the nozzle is moved to and fro over the carpet.

2,027,764
SPRING CLUTCH
William C. Starkey, Indianapolis, Ind., assignor, by mesne assignments, to William C. Starkey, Raymond S. Pruitt, and Walter H. Beal, trustees
Application June 17, 1932, Serial No. 617,731
11 Claims. (Cl. 192—41)

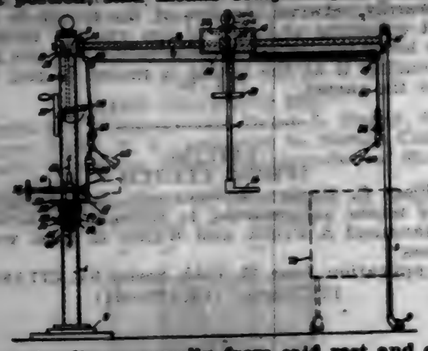


1. In combination, relatively rotatable driving and driven members, the driven member being provided with a cylindrical recess and the driving member being disposed within said recess, a clutch spring arranged between said members and including a load carrying portion and an energizing portion, the latter portion normally having a slight frictional drag against the annular wall part of said recess, an abutment on the driving member against which an end of the load carrying portion of the spring is adapted to engage so that when the driving member is rotated in one direction it will operate through the energizing portion to unwind the load carrying portion of the spring and cause the same to expand and firmly grip said wall of the recess of the driven member and cause said two members to be clutched together, and means for preventing relative axial and rotative movement between the spring and driving member.

2,027,765
FRACTURE AND ORTHOPEDIC OPERATING FRAME
Albert Stephenson, New York, N. Y., assignor of one-half to Herbert M. Bergamini, New York, N. Y.
Application January 13, 1934, Serial No. 706,473
12 Claims. (Cl. 128—84)

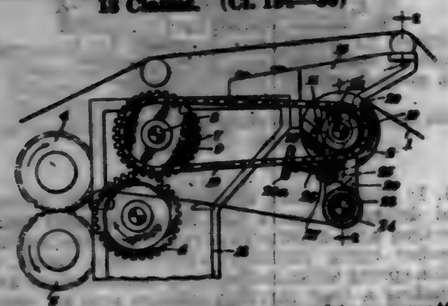
1. In combination, a sacral rest, extremity supporting members and means whereby said rest and members are supported in desired position with reference to each other, said means comprising a frame, means for supporting said members on said frame, said frame comprising a single upright at one end, a pair of uprights at the other end and a horizontal portion connecting

said uprights and extending over said sacral rest, and means for supporting said sacral rest from said portion, said means comprising a perineal



bar extending upwardly from said rest and carried by said portion.

2,027,796
MECHANISM FOR UNWINDING MILL ROLLS
George W. Swift, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a corporation of New Jersey
Application March 19, 1934, Serial No. 714,943
13 Claims. (Cl. 154—30)

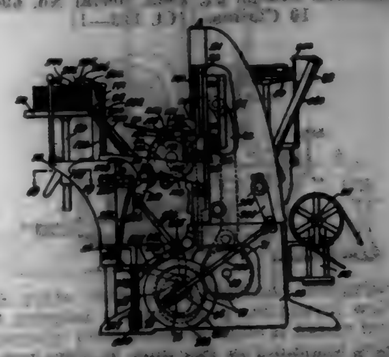


1. In combination with a machine operating on a continuous web, a power-driven web-feeding roll constructed and arranged to operate frictionally on said web and having a peripheral speed slightly in excess of the velocity of the web passing through said machine, a freely journalled web-guiding roller arranged to guide said web around a peripheral portion of said web-feeding roll and to hold it in frictional engagement therewith when said web is under tension, and means for varying the angular tilt of the rotary axis of said web-guiding roller with respect to the axis of said web-feeding roll.

4. Mechanism of the character described comprising web-corrugating rolls operating at substantially constant speed, a power-driven web-feeding roll geared to said corrugating rolls and having a peripheral speed slightly in excess of the velocity imparted to the web by said corrugating rolls, and a web-guiding roller freely journalled upon an axis oscillatable about the axis of said web-feeding roll.

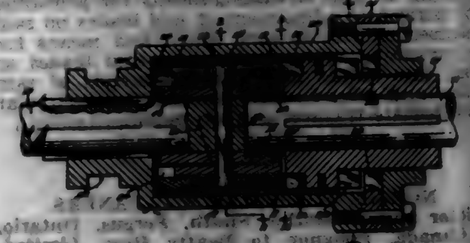
2,027,797
PRINTING PRESS AND METHOD OF PRINTING
Francis V. Toppin, Lyndhurst, N. J.
Application December 12, 1933, Serial No. 646,782
18 Claims. (Cl. 101—232)

1. The method of printing, which consists of registering inner forward corners of two spaced stacks of sheets, simultaneously selecting a sheet from each registered stack, feeding said sheets and simultaneously impressing them respectively on two printing forms, repeating the selecting, feeding and impressing on successive registered sheets of the stacks, delivering the impressed



sheets in two stacks, returning the stacks to register position in varied relation to their original register position so that the presentation of the sheets thereof to the printing forms is varied, and continuing the selecting, feeding, impressing and delivering of the sheets.

2,027,798
TORQUE TRANSMITTING MECHANISM
Bern P. Wall, Seattle, Wash., assignor to James Graham Wall, Seattle, Wash.
Application March 7, 1931, Serial No. 521,847
11 Claims. (Cl. 192—48)

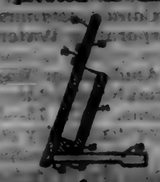


9. The combination with a pair of rotative toothed members and a shaft supporting one of said members and providing bags for driving the same, means operatively interconnecting said shaft and the supported member for meshing the teeth of said member with the other of said toothed members, said means comprising an angular cam slot and a stud arranged for tracking engagement in said slot.

2,027,799
ARTICLE STORAGE AND DISPLAY STAND
Thomas E. Wharton, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application August 12, 1932, Serial No. 628,630
4 Claims. (Cl. 221—13)

The combination with a display panel having article holding and displaying means mounted on one side thereof, of an article receptacle comprising a plurality of separate compartments pr

cured to and wholly supported on the opposite side of said panel, and a supporting base comprising a bar pivoted to said receptacle and



adapted to be swung from an effective extended position to an ineffective position beneath said receptacle.

2,027,800
MARINE FENDER
Dana T. Whitlock, Lakewood, Ohio
Application January 8, 1934, Serial No. 705,143
2 Claims. (Cl. 61—48)



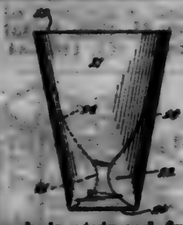
1. In a marine fender, in combination, a pair of longitudinally extending wooden sills spaced apart and parallel with each other, and a relatively long and narrow block of resilient material mounted between said sills, the outer surface of said resilient material extending outwardly beyond the surfaces of said sills.

2,027,801
PROCESS OF TREATING COFFEE
Harold K. Wilder, Battle Creek, Mich., assignor to Kellogg Company, Battle Creek, Mich., a corporation of Delaware
No Drawing. Application December 14, 1933, Serial No. 702,921
21 Claims. (Cl. 99—4)

1. A process for improving the flavor of coffee, comprising heating green coffee beans having a moisture content while under treatment in excess of the natural moisture content of dried coffee beans; to an elevated temperature but less than 170 degrees F. for several hours to permit the enzymes thereof to convert the chemical substances within the beans, the time varying inversely with the temperature.

2,027,802
PAPER ICE CREAM CUP
Andrew C. Wood, Chicago, Ill., assignor to Vortex Cup Company, Chicago, Ill., a corporation of Delaware
Application June 16, 1933, Serial No. 676,042
1 Claim. (Cl. 229—1.5)

As an article of manufacture, a cup adapted to contain a frozen confection and arranged to be subsequently stripped from its contents, said cup being formed from a blank comprising a single sheet cut to provide a pair of opposed sector-shaped side walls having inwardly converging edges and joined at their narrow portions, said blank being folded about a single transverse line of fold and having overlapped marginal portions on opposite sides of the cup secured together by adhesive of such amount and character as merely to hold the cup in shape but being insufficient to preclude ready separation of the side edges



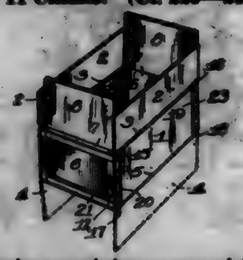
when the blank is stripped from the confection therein, and a plurality of stripping tabs extending freely from opposite secured portions of the cup and by means of which said cup may be stripped from its contents by pulling said tabs in opposite directions away from the cup body.

2,027,803
CAP AND LOCK DEVICE FOR TANKS
Emil O. Young, Cleveland, Ohio
Application August 4, 1932, Serial No. 628,838
7 Claims. (Cl. 220—46)



1. In a cap and lock mechanism for tanks, a tubular intake spout having an inturned and spaced flange concentric therewith, said flange having a bayonet slot therethrough, a flanged cap member fitting over said spout and having a central opening, a lock bolt insertable in said opening, a cross member secured on the inner end of said bolt and having an extended end laterally engaging in said slot for locking or unlocking the cap, and means engaging said bolt to raise the said bolt member into said slot to lock the cap on said tubular spout.

2,027,804
SHIPPING CONTAINER
Oliver M. Babcock, Evanston, Ill.
Application February 27, 1935, Serial No. 8,549
11 Claims. (Cl. 229—23)



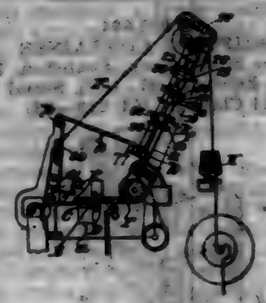
1. A shipping container comprising a pair of side members each having a top and bottom flap, a pair of reinforced end members each having a top and bottom flap, each of the side members adjacent each end having a scored portion, and a slot at each end of the scored portions, whereby the container may be collapsed into flatwise condition to permit stacking for shipping, storing or the like.

2,027,295
FRACTURE AND ORTHOPEDIC OPERATING MACHINE
Herbert M. Bergmann, New York, N. Y., assignor of one-half to Albert Stephenson, New York, N. Y.
Application March 21, 1935, Serial No. 12,244
12 Claims. (Cl. 128—84)



1. In combination, a sacral rest, extremity supporting members and means whereby said rest and members are supported in desired position with reference to each other, said means comprising a frame, means for supporting said members on said frame, said frame comprising a portion extending over said sacral rest, and means for supporting said sacral rest from said portion, said means comprising a perineal bar extending upwardly from said rest and carried by said portion.

2,027,296
LOOM
Whitworth Fontaine Bird, Drexel Hill, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application August 14, 1931, Serial No. 557,149
In Great Britain August 16, 1930
10 Claims. (Cl. 139—126)



9. In apparatus of the character described, a thread holder, a gripper, one of said members being movable relatively to the other in a reversing movement to draw a thread from said holder, means for elongating into a loop a thread drawn from said holder, means for releasing the thread from said gripper and a cutter for severing said thread adjacent to said holder.

2,027,297
COPPER BASE ALLOY
Henry L. Burghoff, Yalesville, and David H. Lawson, Waterbury, Conn., assignors to The Chase Companies, Incorporated, Waterbury, Conn., a corporation
No Drawing. Application May 12, 1932, Serial No. 611,223
11 Claims. (Cl. 75—1)

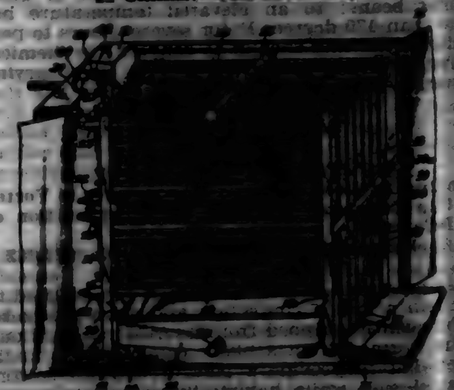
1. A ductile copper-base alloy comprising copper and tellurium, with the copper content being at least 75% and the tellurium being present in an amount from 0.03% to 1.75% inclusive, the said alloy being characterized by substantially improved machinability over what the alloy would possess in the absence of said tellurium.

2,027,298
ARTIFICIAL HORIZON FOR AIRCRAFT
Bert G. Carlson, Queens Village, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 23, 1933, Serial No. 643,361
5 Claims. (Cl. 33—204)



1. In an artificial horizon for aircraft, a horizon bar, a gyroscopic artificial horizon connected therewith to cause it to simulate the apparent movements of the real horizon on pitching of the craft, a movable reference-member therefor, a barometric device, and means connecting said device and member whereby the bar is, in apparent movements also simulates the real horizon when the craft is descending or rising without pitch.

2,027,299
HEAT EXCHANGE DEVICE
Fritz G. Carnall, Jr., Mountain Lakes, N. J.
Application January 24, 1934, Serial No. 708,011
41 Claims. (Cl. 257—254)



3. An attemperating device comprising a plurality of heat exchange units each comprising a

pair of vertical headers connected by horizontal tubes, a pair of superposed horizontal headers, a plurality of pipes extending from the bottom horizontal header into the bottom tubes of said units, and a plurality of pipes extending from the upper horizontal header into the top tubes of said units and sliding liquid-tight connections between said pipes and unit headers.

2,027,310
PERFORATED CELLOPHANE AND THE LIKE, AND METHOD OF MAKING THE SAME
Simon Cooper, Brooklyn, N. Y., assignor to Cooper Tea Packet Company, Brooklyn, N. Y., a corporation of New York
Application October 30, 1933, Serial No. 695,342
5 Claims. (Cl. 154—133)



1. A perforated thin sheet of "Cellophane" and like amorphous material usable as a wrapper and in which tears readily start from perforations therein, the finished sheet having permanent bosses thereon and the perforations being in the bosses, the sheet in use being thereby made resistant to tearing under pressure applied thereto.

2,027,311
LINING FOR WINDOW GUIDES AND METHOD OF APPLYING THE SAME
Edgar R. Creamer, Detroit, Mich., assignor to The George R. Carter Company, Detroit, Mich., a corporation of Michigan
Application January 4, 1934, Serial No. 705,254
7 Claims. (Cl. 296—44.5)



1. A textile lining for the channels of window frames comprising, in a transversely flat and unbent strip and in combination, an outer pile portion adapted to engage one side face of the window sash and a body portion embodying a selvage edge to engage the side wall of the channel, both lying closely superposed so that the window may slide in two directions thereon and the body portion being reenforced with pliable inert wire also lying flat in transverse loops.

6. A method of applying a bendable lining strip to curved window frames having deep channel guides which consists in bending the strip to the form of the frame, permanently attaching a templet to the curved portion thereof, and applying the formed strip to the guide so that the templet is concealed within the frame.

2,027,312
A PROCESS FOR PREPARING BASIC TITANIC OXALATE
Sydney Francis William Grundell, Manchester, England, assignor to Peter Spence & Sons, Limited, Manchester, England
No Drawing. Application April 6, 1932, Serial No. 603,678. In Great Britain April 24, 1931
2 Claims. (Cl. 260—21)

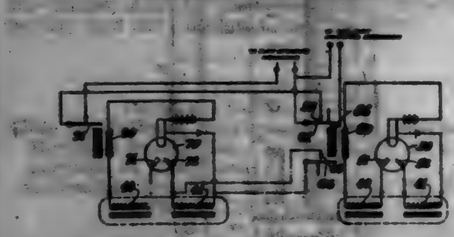
1. The process for preparing basic titanic oxalate which includes the steps of forming a solution of titanium in a mineral acid, the solution having approximately 0.5 molecules of acid, expressed as SO_3, for each molecule of TiO_2, adding to the solution approximately 0.2 molecules of oxalic acid for each molecule of TiO_2 and diluting the solution to precipitate basic titanic oxalate, the solution being maintained at a temperature below 50° C.

2,027,313
DEVICE FOR ADMITTING AIR AND WATER TO THE CYLINDERS OF AN INTERNAL COMBUSTION ENGINE
Alfred E. Dearing and William B. Parker, Manchester, Tenn.
Application January 19, 1934, Serial No. 706,873
2 Claims. (Cl. 127—132)



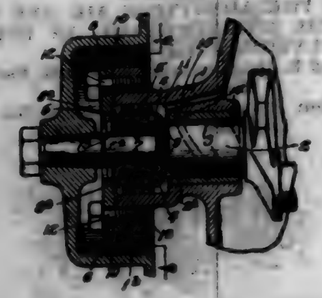
1. A device comprising a body adapted to be arranged between the outlet of the carburetor and the intake manifold of an internal combustion engine, said body having a chamber adapted to communicate with the intake of the manifold and a plate arranged near the intake of the chamber, said plate having an imperforate portion and an opening, said body having a fluid supply port passing through the side wall of the chamber and a reciprocatory valve element including a disk and a marginal portion disposed upon the outlet side of the plate, said disk having an imperforate portion which contacts with said plate to cover and close the opening in the plate and an opening to be covered and closed by the imperforate portion of the plate when the disk has substantially its entire contact face seated upon the plate which contacts with said disk, said marginal portion of the valve element serving to cover and uncover the outlet end of the port.

2,027,314
RAIL FLAW DETECTOR CAR
Loren J. De Lanty, Spring Valley, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application November 4, 1933, Serial No. 696,529
11 Claims. (Cl. 172—132)



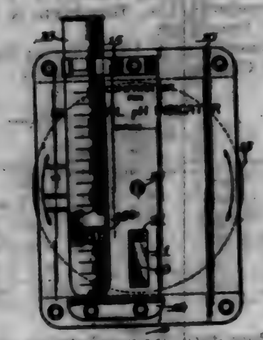
1. In a rail flaw detector mechanism, means responsive to flaws, an indicator, means whereby said indicator is actuated by said responsive means, the rails being joined by joint-bars, and means for rendering said actuating means ineffective when said responsive means passes over a rail joint, said last-named means comprising an oscillatory circuit and means whereby said circuit is varied by said joint-bars.

1,827,515
SEAL
Edward R. De Laix, Chicago, Ill., assignor, by mesne assignments, to Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 12, 1926, Serial No. 115,691
8 Claims. (Cl. 286—11)



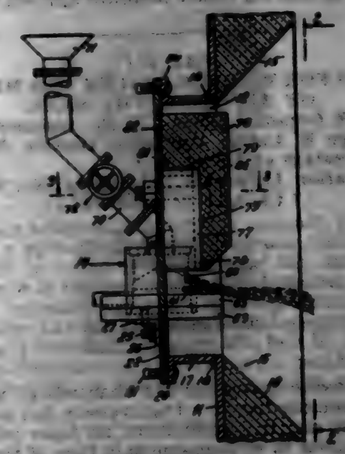
1. In a device of the character described; a casing; a bearing in said casing; a shaft journaled in said bearing; a longitudinally expansible cylindrical sheath surrounding the shaft and having one end hermetically attached thereto; a sealing ring hermetically attached to the other end of said sheath and adapted to contact with the casing; means for holding said sealing ring in contact with said casing, said means comprising a spiral spring surrounding said shaft and lying inside of said sheath; and means for adjusting the tension of said spring, said spring adjusting means comprising a spring seat threaded in said sealing ring and located in an aperture formed in the side of said casing.

1,827,516
COMPARATOR
Albert Drucker, Chicago, Ill.
Application August 6, 1921, Serial No. 515,533
4 Claims. (Cl. 88—14)



1. A comparator embodying an opaque shield, provided with an opening therethrough, a movable element mounted upon and behind said shield and across said opening to form an opaque closure therefor, said element having arranged thereon a scale of pre-established color values adapted to be successively exposed through said opening as the element is rotated upon the shield, means connected with the shield for removably holding a container for a quantity of the substance whose color is to be tested, a portion of said container being disposed in close proximity to the said opening and adjacent that face of the shield opposite to that face adjacent which said element operates, and means for holding a mask over the said opening and in proximity to the portion of the said container which is adjacent the said opening, for assisting in detecting color differences between the said value exposed through said opening and the substance to be tested and whereby the light rays will pass through the substance being tested and be reflected back by the shield through such substance to the eye.

1,827,517
FURNACE
Charles A. Gallagher and Carl M. Allen, California, Pa., assignors to General Chemical Company, New York, N. Y., a corporation of New York
Application December 28, 1932, Serial No. 648,962
11 Claims. (Cl. 263—21)

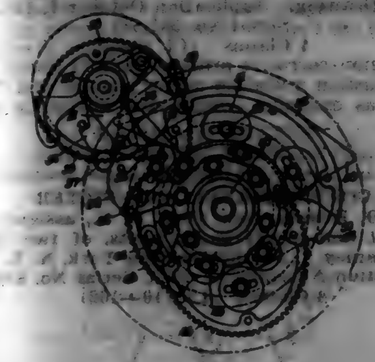


1. Apparatus for distributing materials comprising a unitary casing, a chamber in the casing, a slot in the side of the casing, a surface in the chamber for feeding material through said slot, a second chamber in said casing adapted to contain fluid and a second slot longer than the first in the casing communicating with said second chamber, said slots being positioned so that fluid discharged through the second slot is introduced into material discharged through the first slot.

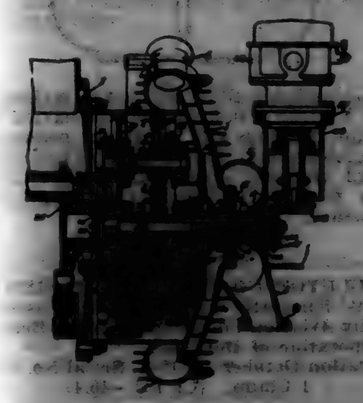
1,827,518
DRIVE MECHANISM
Hyman E. Gelber, Chicago, Ill., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 11, 1931, Serial No. 536,548
24 Claims. (Cl. 74—435)

1. Means for transferring motion from a driving shaft to a follower including a plurality of gear segments on said driving shaft, gear segments adapted to mesh therewith on the follower, [illegible] rigid with said driving shaft, and [illegible]

different planes, and blocks on the follower having engagement with the cams to permit the shaft to rotate while the follower remains at rest, said means having a single point of contact with each cam respectively.



1,827,519
INTERNAL COMBUSTION ENGINE
David Gregg, Caldwell, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application March 6, 1931, Serial No. 521,556
4 Claims. (Cl. 123—188)



1. In combination with an internal combustion engine having a crankcase and a crankshaft, a unitary supporting member detachably secured thereto comprising a housing constituting an extension of said crankcase, a shaft having a slidable driving connection with the crankshaft rotatably mounted in said housing, a plurality of engine accessories supported on said housing, a gear on said shaft, driving gears for said accessories meshed with and spaced about the periphery of said shaft gear, a sleeve rotatably mounted on the shaft, a supercharger on the sleeve and driven thereby, a gear train connecting the sleeve with the shaft, said sleeve and gear train being positioned between the accessories and the engine, and said housing, said supercharger, said sleeve, said gear train and accessories being detachable as a unit from said crankcase.

1,827,520
PRINTING OF FIBROUS MATERIALS BY IMPREGNATION
Melvin R. Gruner, Cincinnati, Ohio, assignor to Carthage Mills Incorporated, Carthage, Ohio, a corporation of Ohio
Original application June 7, 1932, Serial No. 616,722. Divided and this application March 12, 1935, Serial No. 10,856
8 Claims. (Cl. 91—16)



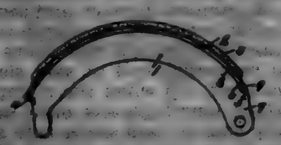
1. In a printing apparatus, means for moving a web, means for applying a liquid mordant substance thereto, means for printing upon said web, means for steaming said web, and means for causing said device to act upon said web in timed sequence.

1,827,521
CHANGE OF DIRECTION INDICATOR FOR MOTOR VEHICLES
John Nelson Hasse, St. Peters, South Australia, Australia
Application May 26, 1934, Serial No. 727,842
In Australia March 12, 1934
2 Claims. (Cl. 177—329)



2. In a direction indicator for motor vehicles, the combination of a tubular member comprising at its outer end a housing to accommodate front and rear lenses, means to attach the member to the vehicle, a socket, a sleeve for the socket slidably mounted in said tubular member, a lamp in said socket, means limiting the movement of the sleeve, a switch comprising a stationary contact mounted in the sleeve connected to the center terminal of the lamp, and a movable contact mounted in the sleeve having limited movement therein and being normally spaced from the stationary contact by a spring, means for moving the movable contact into engagement with the stationary contact and upon continued movement cooperating with the sleeve to position the lamp within the housing between the lenses, and an electric circuit including a battery and the said lamp and the switch.

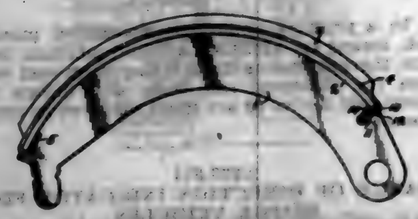
1,827,522
BRAKE LINING DEVICE
Allan C. Hoffman, Englewood, N. J., assignor to Hoffman Brakes, Inc., New York, N. Y., a corporation of New York
Application February 27, 1933, Serial No. 658,450
5 Claims. (Cl. 188—234)



1. Brake mechanism comprising in combination a brake shoe, a strip of friction material, a

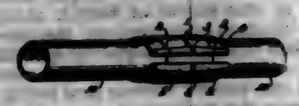
metallic band to which said material is secured, said band being wrapped about said shoe, and means at each end of said band for holding the same in position on the shoe, one of said holding means being so constructed that when the band is in place on the shoe the said holding means will exert a wrapping tension on the metallic band.

2,027,823
BRAKE LINING DEVICE
Allan C. Hoffman, Englewood, N. J., assignor to Hoffman Brakes, Inc., New York, N. Y., a corporation of New York
Application April 2, 1935, Serial No. 14,460
13 Claims. (Cl. 188—334)



2. Brake mechanism comprising in combination a brake shoe having a peripheral flange, a metallic attaching band, friction material secured to the face of said band, fingers carried by one end of said band and interlocked with one end of said flange, and spring fingers at the other end of said attaching band engaging the other end of said brake shoe flange under tension thereby holding the attaching band to the shoe under tension.

2,027,824
COUPLING
Martin A. Hunt, Chicago, Ill.
Application April 19, 1934, Serial No. 721,261
4 Claims. (Cl. 285—194)

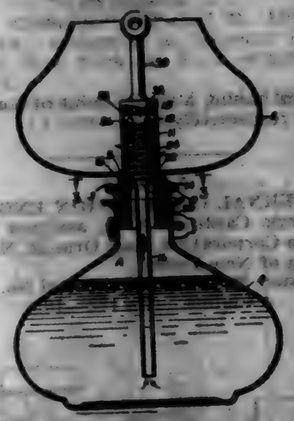


1. A coupling of the character described comprising a sheet metal member formed to provide a sleeve to receive the abutting ends of conduits or the like therein and having the transverse ends of said member formed to provide outwardly extending flanges, said flanges being wider at the transverse center of said sleeve than at the ends, at least one of said flanges being slotted adjacent the transverse center of said sleeve, a centrally disposed lateral groove in said sleeve and forming a circumferential seat therein, a longitudinally split lining substantially filling said seat and having its open side remote from the open side of said sleeve, the exposed inner surface of said sleeve being roughened for engagement with a conduit when clamped thereon, and tapered sheet metal clamping members having inturned side flanges arranged to engage said sleeve flanges to clamp each respective end of said sleeve on its respective conduit end when the clamping members are driven longitudinally onto said flanges from opposite ends of said sleeve said split lining being arranged to permit independent insertion of conduit ends therein and independent clamping thereon.

2,027,825
PRIMER FOR AMMUNITION
George E. Jacobs, Kings Mills, Ohio, assignor, by mesne assignments, to The Peters Cartridge Company, a corporation of Delaware
No Drawing. Application October 7, 1931, Serial No. 567,515
4 Claims. (Cl. 52—2)

3. A non-corrosive priming mixture comprising a combustion initiating agent, nitrates and chromates as oxidising agents, and zirconium as a fuel.

2,027,826
COFFEE MAKER AND FILTER
Clyde D. Keaton, New York, N. Y., assignor, by direct and mesne assignments, of two-thirds to Stanley S. Tumbridge, New York, N. Y.
Application November 7, 1932, Serial No. 642,961
4 Claims. (Cl. 210—162)



1. A removable filter for coffee makers comprising a vitreous tubular member having one or more side openings and a passage communicating therewith and a gravity operated vitreous disk-like element loosely disposed within the tubular member and normally almost closing said passage.

2,027,827
CLUTCH CONTROL MECHANISM
Victor W. Kliesrath, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 10, 1931, Serial No. 568,699
1 Claim. (Cl. 121—46.4)



A three-way control valve for pressure operated fluid motors comprising a bored casing having inlet, outlet and atmospheric ports, a reciprocable spring pressed sleeve member within the bore of said casing, said member serving to control the communication between said inlet and outlet ports, a second reciprocable sleeve member disposable within said first mentioned sleeve member

and adapted to control the communication between said atmospheric and outlet ports and means, slidable within said last mentioned sleeve member, for successively operating both of said sleeve members, each of said sleeve members being provided with a triangular-shaped end flange member adapted to slidingly contact the contiguous sleeve member.

2,027,828
RADIO APPARATUS
Arthur H. Knight, Delaware, Ohio
Application September 14, 1933, Serial No. 689,050
5 Claims. (Cl. 250—20)



1. In a method of radio reception which utilizes a regenerative radio receiving circuit, adjusting a resonant circuit to a given frequency which it is desired to receive, setting the vacuum tube in oscillation at radio frequency, likewise setting the tube in oscillation at variation frequency, adjusting the intensity of oscillation of the radio frequency and variation frequency to be equal, admitting a signal wave having the same frequency at which the resonant circuit is adjusted, whereby the variation frequency ceases oscillation and causes a substantial change in the plate circuit current, and utilizing the thus increased plate circuit current to operate electrical indicating devices.

2,027,829
METHOD OF CASTING TRANSPARENT FILMS
Edward M. Krein, Gary, Ind., assignor, by mesne assignments, to Marbo Products Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 8, 1933, Serial No. 697,180
6 Claims. (Cl. 18—57)

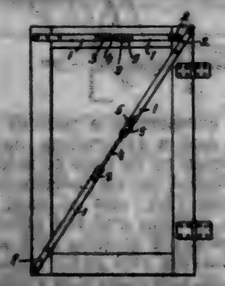
1. The method of protecting the surface of a carrier web in the casting of transparent films thereon, which comprises coating said surface with a solution of petroleum jelly in a volatile solvent and evaporating the solvent therefrom to leave a uniform thin film of petroleum jelly.

2,027,830
SLAB FILLER
Frederick Thomas Krein, Park Ridge, Ill., assignor to Vortex Cup Company, Chicago, Ill., a corporation of Delaware
Application June 16, 1932, Serial No. 617,478
2 Claims. (Cl. 226—92)



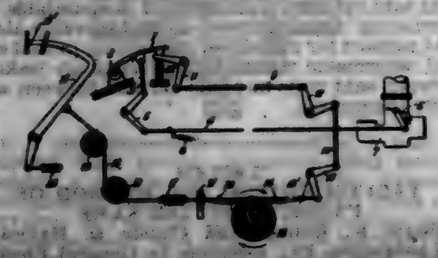
1. In combination, an open-work tray having a relatively narrow side bar thereabout and cup sockets therein, and a filling hopper having a relatively flat bottom with holes punched therein and the circumferential margin around each of said holes turned downwardly, resilient means depending from said hopper for frictional gripping engagement with said side bar and disposed so as to hold said hopper at all sides on said tray with said holes registering with said cup sockets, said hopper having an upstanding flange around a substantial part of its periphery with the balance of its periphery free of the flange, and the bottom of said hopper having an upward inclination at the flange-free portion of the hopper sufficiently to retain an amount of substance in the hopper and permit any excess substance to be swept from the hopper over said inclination.

2,027,831
DEVICE FOR PREVENTING THE SAGGING OF GARAGE DOORS
Jacob Kunz, Hillside, N. J.
Application January 7, 1935, Serial No. 636
3 Claims. (Cl. 20—35)



1. A device for bracing, reinforcing and preventing the sagging of garage doors comprising two flexible metal straps having means permitting attachment of the straps at one end to the garage door, and having attachments at their other ends, said attachments being box-like structures made of sheet metal and being secured to the strap, each of said attachments extending some distance along the strap, and being provided with aligned holes in its end portions for the passage of a bolt for pulling the straps and attachments together, the arrangement being such that when a bolt is passed through said holes it is in a plane parallel to the straps and holds the straps in alignment.

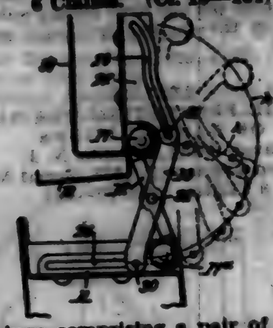
2,027,832
CLUTCH OPERATING MEANS
Raymond P. Lansing, Montclair, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application November 10, 1931, Serial No. 574,169
15 Claims. (Cl. 192—.01)



1. A clutch control for an automotive vehicle comprising throttle control means, a clutch control member, a friction member having power means for rotating the same in one direction, and a flexible cable connected between said throttle

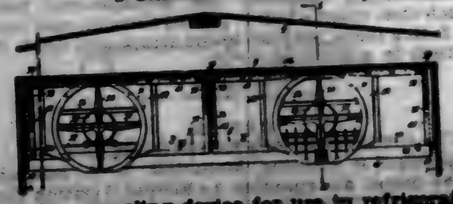
control means and said clutch control member and having a wrap around said friction member for frictional engagement therewith.

2,027,321
AUTOMOBILE DOOR HINGE
Emil H. G. Lefevre, Detroit, Mich.
Application August 28, 1933, Serial No. 687,879
6 Claims. (Cl. 16—164)



1. A hinge comprising a pair of hinge plates, a hinge link, and a controlling link, said hinge link being pivoted at its ends to said hinge plates and being pivoted at an intermediate point to said controlling link, one of said hinge plates having a cam portion and the other hinge plate having an elongated guiding slot and said controlling link having end parts slidably engaging said cam portion and elongated guiding slot as the hinge is opened or closed and thereby controlling the opening and closing movements of said hinge.

2,027,324
CAR COOLING DEVICE
Walter C. Phillips, San Francisco, Calif., assignor to Phillips Refrigeration Products, Inc., San Francisco, Calif., a corporation of California
Application September 17, 1932, Serial No. 633,802
5 Claims. (Cl. 98—6)



1. A car cooling device for use in refrigerator cars of varying transverse dimension and having an upper bunker opening comprising a support adapted to extend transversely of said car adjacent said opening, a plurality of demountable air circulating units mounted on and movable along said support for individual positioning in said car, and deformable means for inhibiting air leakage between said units and said car and between said units themselves.

2,027,335
VACUUM SWITCH AND METHOD OF FABRICATING THE SAME
William K. Rankin and Claude D. Hayward, Lansdowne, Pa., assignors to General Electric Company, a corporation of New York
Application October 12, 1932, Serial No. 637,563
5 Claims. (Cl. 200—144)

1. A vacuum switch comprising an evacuated envelope, a lead-in conductor sealed through a wall of said envelope, a stationary contact secured within said envelope to an end of said conductor, said contact comprising a cylinder-like portion arranged to surround and clamp said conductor, the axis of said cylinder being generally in alinement with said conductor, and a movable contact extending through the opposite wall of said envelope generally parallel to said conductor coacting with a side wall of said cylindrical stationary contact.



2,027,336
VACUUM SWITCH
William K. Rankin and Claude D. Hayward, Lansdowne, Pa., assignors to General Electric Company, a corporation of New York
Application February 22, 1934, Serial No. 712,522
5 Claims. (Cl. 200—144)



1. In a vacuum switch comprising an evacuated casing and relatively movable contacts disposed therein, a coiled substantially flat conductor connected in series with said contacts for producing a magnetic field adjacent the coacting contact surfaces thereof, and insulating bonding members individually disposed between adjacent turns of said coiled conductor, each member positioned in recesses formed in opposing faces of adjacent turns for resisting compression and bursting forces acting on said coil.

2,027,337
PROCESS FOR MAKING ALLOYS
William C. Read, New Rochelle, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Application July 31, 1934, Serial No. 736,242
5 Claims. (Cl. 75—65)

1. Process for making metals and metallic alloys containing relatively large amounts of nitrogen which comprises reacting an exothermic mixture of a nitrogen-containing oxidizing agent and a strong reducing agent in close association with the metallic constituents of said alloy, at least one of said constituents being a metal that has a substantial affinity for nitrogen and said mixture being substantially free from metal oxides; whereby the said constituents are melted and nitrogen liberated by the reaction is brought into contact with the said molten constituents.

2,027,338
STABILIZING HYDROGEN PEROXIDE SOLUTIONS WITH PYROPHOSPHORIC ACID
Joseph S. Reichert, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application September 12, 1932, Serial No. 632,756
5 Claims. (Cl. 23—221)

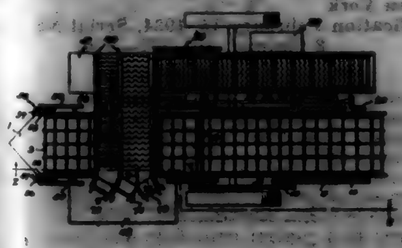
1. A method of stabilizing a hydrogen peroxide solution which comprises adding thereto a stabilizer which consists of a small amount of a pyrophosphate, and then adjusting the acidity of said solution to a pH of between 1 and 7.

2,027,339
PURIFICATION OF HYDROGEN PEROXIDE SOLUTIONS
Joseph S. Reichert, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application February 8, 1933, Serial No. 656,451
20 Claims. (Cl. 23—207)

1. A process for the purification of a hydrogen peroxide solution comprising precipitating stannic hydroxide therein at a pH above 1.4.

6. A process for the purification of a hydrogen peroxide solution comprising precipitating stannic hydroxide therein at a pH of 2.5 to 3.5 in the presence of a substance capable of coagulating the stannic hydroxide precipitate.

2,027,340
POTATO HARVESTER MACHINE
Fritz Joakim Redin, Chatham Center, N. Y.
Application March 4, 1935, Serial No. 9,261
4 Claims. (Cl. 11—31)



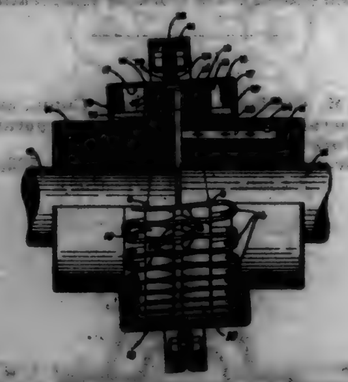
2. In a potato harvester and grader, in combination: a plow; an agitated devining elevator leading immediately from the plow; a first potato elevator having agitating means and surrounded by said devining elevator; a second potato elevator at right angles to and receiving from the first one, its receiving end surrounded by said devining elevator; a third potato elevator at right angles to and receiving from the second one; a blower discharging between the delivery end of the second, and the receiving end of the third, potato elevators; a first grading belt at right angles to and receiving from the third potato elevator; a sackholder at the delivery end of said first grading belt; a chute whose receiving end is surrounded by said first grading belt; a second grading belt at right angles to, and receiving from, said chute, and parallel to said first grading belt; a sackholder at the delivery end of said second grading belt.

2,027,341
HAM-BOILER
Frank Roth, San Francisco, Calif.
Application October 5, 1933, Serial No. 693,824
7 Claims. (Cl. 146—37)



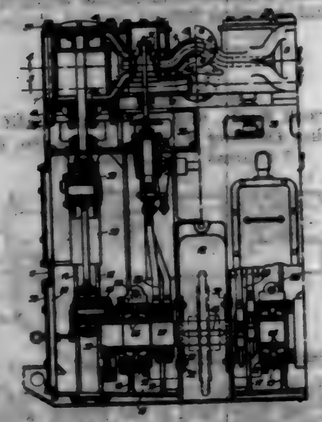
6. In a ham cooker of the type having a container for the meat and a lid fitting within the container provided with hooks at the ends arranged for hooking to the container for clamping the lid down upon the meat, the improvement which comprises providing a pair of rack-members at the ends opposite ends of the container each comprising a plurality of spaced horizontally extending bars secured between vertical ribs, said bars being adapted for selective engagement by the hooks of the lid.

2,027,342
COUPLING
Walter F. Schmitter and Percy C. Day, Milwaukee, Wis., assignors to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application May 29, 1935, Serial No. 673,495
5 Claims. (Cl. 64—14)



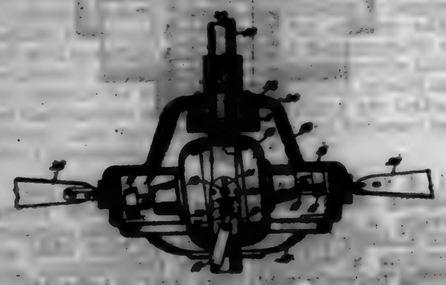
1. A resilient coupling comprising a pair of coupling disks having peripheral slots formed therein, a circular series of parallel members each slidably engaged in slots in both disks and providing a resilient torque transmitting connection between said disks, and a lubricant retaining housing surrounding said disks and tiltable relative to both of them, said members being confined by said housing and tiltable therewith as a unit to thereby effect longitudinal shifting of said members relative to both of said disks in response to misalignment between the disk axes.

2,027,843
TWIN CYLINDER STEAM ENGINE
John M. Shimer, Dallas, Tex., assignor to Wilson-Snyder Manufacturing Corporation, Braddock, Pa., a corporation of Pennsylvania
Application April 9, 1935, Serial No. 15,477
2 Claims. (Cl. 121—194)



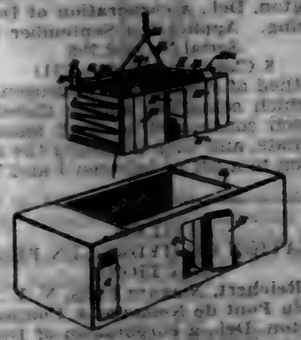
1. A twin cylinder engine comprising an integral cylinder block having a pair of cylinders, one cylinder at each end of the block, inlet and outlet manifolds positioned centrally and spaced from each other, control valves between said cylinders and said manifolds and separate spaced connecting passages between said cylinders, valves and manifolds, said passageways having expansion bends to prevent twisting said cylinders out of alinement through unequal expansion of said passageways, a bearing frame having cross-head guideways alined with said cylinders when said cylinder block is at working temperatures, and bolts securing said frames to said cylinder block and being provided with clearance spaces to permit said cylinder block to contract and draw said cylinders out of alinement with said guideways when cooled below working temperatures.

2,027,844
FAN
William K. Sheffield, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application July 3, 1934, Serial No. 733,566
8 Claims. (Cl. 230—256)



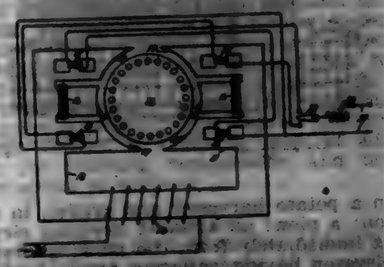
1. A fan construction comprising in combination, a supporting frame, a motor having a drive shaft, pivotal supports for said motor in said frame on an axis transverse to the axis of said shaft, a fan blade carrier having an annular track rotatably mounted on an axis transverse to the axes of said shaft and said pivotal supports, driving means secured to said shaft on each side of the axis of said carrier, and means to pivot said motor shaft in said supports for selectively engaging either of said driving means with said track to selectively drive said fan carrier in opposite directions.

2,027,845
REFRIGERATING CABINET
William P. J. Speicher, North East Township, Erie County, Pa., assignor to General Electric Company, a corporation of New York
Application October 31, 1933, Serial No. 695,021
2 Claims. (Cl. 62—89)



1. In a vehicle body including a refrigerator cabinet having a chamber to be cooled, a metal shell conforming to the walls of said chamber and having one portion formed of a metal of high thermal conductivity and the remaining portion formed of a metal having a high tensile strength, an evaporator comprising a refrigerant conduit secured to the portion of said shell having high thermal conductivity, one of the walls of said cabinet being removable therefrom, and said metal shell and said evaporator being removable bodily from said chamber.

2,027,846
REVERSIBLE SHADED POLE MOTOR
Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 15, 1934, Serial No. 711,267
8 Claims. (Cl. 172—278)



7. A dynamo electric device having a field structure with a pole split into three portions, means for producing an alternating magnetic field in said field structure, a shading coil on the center portion of said pole, and means for saturating a pole portion at one side of said center pole portion to control said device.

2,027,847
REENFORCE FOR GASKETS
John H. Victor, Evanston, and William A. Heinze, Chicago, Ill., assignors to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application January 17, 1934, Serial No. 706,539
1 Claim. (Cl. 288—1)



A gasket reenforce, comprising a metal sheet having rectangular openings arranged therein, the metal displaced in forming said openings projecting outwardly in the form of prongs in pairs and at opposite ends of the openings, the pairs of prongs projecting alternately upwardly and downwardly, each prong being longer at one side edge than at its other side edge and having an inclined shearing outer end, the high corners of each pair of prongs being located diagonally opposite across the openings, said prongs being twisted to project the high corners thereof over the adjacent edges of the opening in the sheet to aid in penetrating and clinching the gasket material to the reenforce.

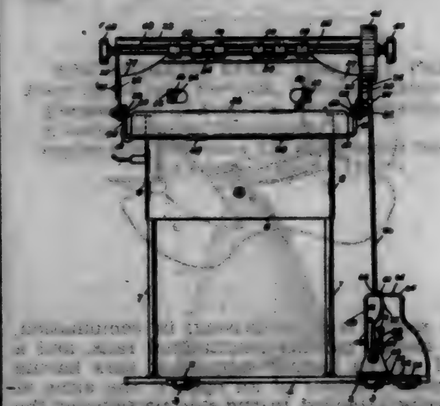
2,027,848
EMERGENCY TRIPPING DEVICE
Donald F. Warner, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application October 2, 1933, Serial No. 43,227
9 Claims. (Cl. 74—3)



1. An emergency tripping device including the combination of a speed responsive element, a combined trigger and tripping post in co-operative relation with said element, and a combined trigger and tripping post spring for maintaining the trigger and tripping post in co-operative relation with said element and for effecting movement of the combined trigger and tripping post in response to movement of said element.

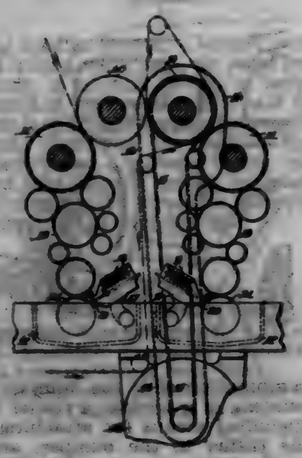
2,027,849
COPYHOLDER
Herman C. Welter, Rochester, N. Y., assignor to The Dawn Mfg. Corp., Rochester, N. Y., a corporation of New York
Application April 16, 1935, Serial No. 16,641
23 Claims. (Cl. 129—39)

1. In a copyholder, the combination with a standard embodying vertical guides and a copy support movable on the guides between a raised operative position and a collapsed inoperative position, of feed rolls cooperating with the support when in operative position to pinch and feed



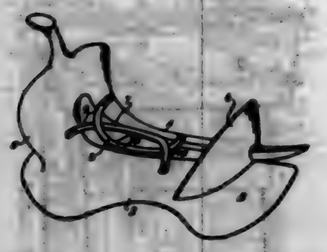
a copy sheet upwardly and rearwardly and means for holding the rolls free of the support when the latter is in inoperative position.

2,027,850
INK FOUNTAIN BACK
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application July 7, 1932, Serial No. 621,213
4 Claims. (Cl. 101—350)



1. In a printing press, the combination with a pair of printing couples and inking mechanisms therefor comprising fountain rolls, of a motor for driving the press located below the inking mechanisms having a connection with the printing couples for driving them, a fountain blade for each of the fountain rolls adapted to be adjusted at different points along its length, a series of plungers for providing the adjustment, and a series of screws for operating said plungers, said screws all extending to the end of the press opposite that at which the motor is located.

2,027,851
SADDLE TREE
Stanley E. Worcester, Phoenix, Ariz.
Application June 4, 1935, Serial No. 24,573
4 Claims. (Cl. 54—44)



1. A saddle tree comprising, in combination, a tree having parallel longitudinal rails, and a pair of stirrup leather supporting bars having the general contour of an open C the arms of each being attached to the side portions of the tree so that the arcuate interconnecting portion extends from the said side of attachment across the opening between the rails toward and above the opposite rail to form a hanger bar to support a stirrup leather depending from the side opposite that of attachment.

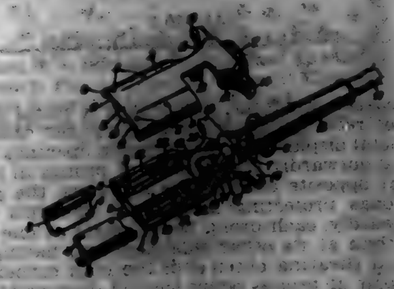
2,027,852
TRAILER HITCH CONNECTION
Alexander M. Allan, Bangalow, Ohio.
Application November 5, 1934, Serial No. 751,549
16 Claims. (Cl. 280—33.44)



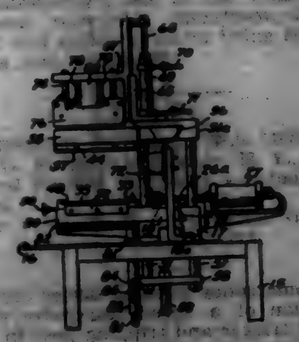
7. In combination with the bumper and spare wheel mounting of a vehicle, a trailer hitch connection including means for attaching the draw bar of the trailer to the bumper, and bracing means for the bumper connected with the spare wheel mounting.

2,027,853
PLUG CONNECTER
George B. Benander, Taleville, Conn., assignor to The Manowatt Electric Corporation, a corporation of Connecticut
Application May 19, 1934, Serial No. 726,538
4 Claims. (Cl. 173—332)

1. As an article of manufacture, a plug comprising two complementary members of insulating material having bottom and side walls defining a recess provided with a pair of openings at one end for the insertion of terminals, terminal contacts disposed within said recess in alignment with said openings, said contacts having terminal receiving portions adjacent said openings and conductor receiving portions at the opposite ends thereof, reentrant portions in the side walls beginning at a point substantially opposite the conductor receiving ends of said contacts and terminating in outwardly extending arms which provide means for gripping the plug, and strain relieving means between said reentrant portions for a conductor cord connected to said contacts.



2,027,854
TUBE SPLICER
Walter J. Breth and Max Ziegler, Akron, Ohio, assignors to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 14, 1934, Serial No. 753,414
14 Claims. (Cl. 154—9)



1. In an apparatus for splicing tubes, a pair of spaced tube end supporting members, each disposed to support an end of a tube with a portion of the end projecting beyond the same, means for moving one of said members transversely relative to the other to align the ends of the tube with each other, a pair of spaced clamping members, means for moving said clamping members toward said supporting members to clamp the supported ends of the tube against said supporting members, means for severing the projecting ends of the tube, and means for moving the members which clamp one end of the tube toward the other members to bring the ends of the tube into engagement with each other.

2,027,854
PROCESS FOR THE REGENERATION OF CATALYSTS
Ralph Lyman Brown, Syracuse, N. Y., assignor to Atmospheric Nitrogen Corporation, New York, N. Y., a corporation of New York
No Drawing. Application October 4, 1932, Serial No. 636,253
6 Claims. (Cl. 23—288)

6. The process for the regeneration of spent tungsten oxide catalysts which are relatively insoluble in aqua ammonia, which comprises dissolving the spent catalyst in a solution of a strong base forming a soluble tungstate with the tungsten oxide, acidifying the solution thus obtained to precipitate tungsten oxide therefrom, dissolving the precipitated tungsten oxide in ammonium hydroxide and acidifying the resulting solution to precipitate therefrom a catalytically active tungsten oxide.

2,027,855
PROCESS FOR PREPARING SUBSTITUTED ALDOLS
Kurt Billig, Frankfort-on-the-Main-Hoechst, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application May 28, 1934, Serial No. 727,587. In Germany June 2, 1933
10 Claims. (Cl. 260—140)

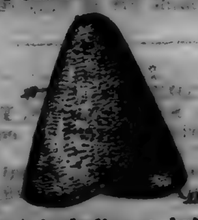
1. In the process of preparing substituted aldols by condensing a homologue of acetaldehyde the step which comprises admixing said homologue with an amine selected from the group consisting of the amines of the aliphatic series and those containing a saturated heterocyclic ring and condensing said homologue in the presence of said amine.

2,027,856
PENCIL STAND
Christian Buehner, Milwaukee, Wis.
Application June 19, 1935, Serial No. 27,328
3 Claims. (Cl. 120—3)



1. In a device of the character described, a base, a coil spring-formed column supported by said base, an extensible article retracting means comprising a series of balls confined within said column, said column being constructed and formed to automatically return to its normal vertical position from a ninety degree bent position of its bottom portion and with the article concurrently gravitating and depending from the free end of the column, the device normally freely supporting the article in suspended position.

2,027,856
REINFORCED EDGE FOR HAT BRIMS
John Cavanagh, Norwalk, Conn., assignor to Hat Corporation of America, South Norwalk, Conn., a corporation of Delaware
Application February 23, 1935, Serial No. 7,696
4 Claims. (Cl. 2—178)



1. A felt hat including a brim having a reenforced edge formed of multiple layers of felt relatively thinner than the brim and a filling of fibrous yarn, all felted together to form an integral welt edge.

2,027,857
TAP WASHER
Harry Cohen, Montreal, Quebec, Canada
Application August 30, 1934, Serial No. 741,942
In Canada September 1, 1933
2 Claims. (Cl. 251—140)



2. A tap washer having a leather body for engagement with a valve seat, an axial bore in said leather body, a bushing having a flange at each end mounted in said bore, one of said flanges engaging one face of said leather body and the other flange being flush with the opposite face of said leather body, and a rubber facing on the last mentioned face of said leather body and having a central perforation equal in diameter to the interior diameter of said bushing.

2,027,858
ENGINE STARTER
Calvin Cummins, New Brunswick, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y., a corporation of New York
Application February 27, 1931, Serial No. 518,067
8 Claims. (Cl. 74—9)



1. In combination with a rotatable shaft, a driving member fixed to said shaft, a driven

member slidable on said shaft, a pair of helical springs with the convolutions of one threadedly connected with the convolutions of the other, the outer ends of the springs being respectively connected to said driving member and said driven member, coacting stop elements provided on the inner ends of said springs and disposed in the path of movement of each of other for forming a resilient driving connection between said driving member and said driven member, and coacting catch elements between the innermost convolutions of said springs and said driving member and driven member respectively for temporarily holding said springs against movement when the same are in fully retracted position.

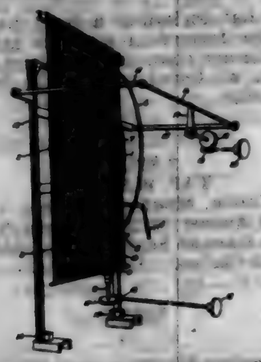
2,027,861

COUPLING COIL

George W. Fyler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 16, 1934, Serial No. 715,463

7 Claims. (Cl. 171—119)



7. The combination of a first coil and a second coil, said first coil comprising a conductor arranged in a single plane, said coils being arranged side by side, and means to rotate a portion of a turn of said first coil about an axis substantially in the plane of said first coil to vary the inductance of said first coil while maintaining the variations of coupling between said coils at a minimum.

2,027,862

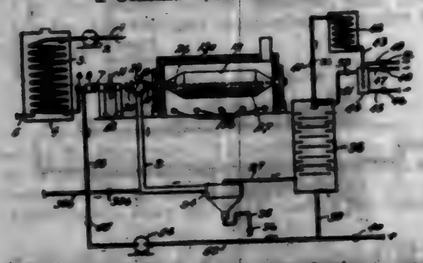
PROCESS OF CONVERTING HYDROCARBONS

Norris Goodwin, Los Angeles, and Robert Wade Poindexter, Long Beach, Calif., assignors to Industrial Process Company, Los Angeles, Calif., a corporation of California

Application November 26, 1928, Serial No. 321,342

Renewed January 22, 1934

1 Claim. (Cl. 196—69)



A continuous process of producing gasoline from a heavier hydrocarbon oil by super-atmospheric-pressure cracking, which consists in continuously pre-heating a stream of hydrocarbon oil; passing such pre-heated hydrocarbon oil into a receiving still forming a single chamber the diameter of which is at least twice that of the stream while being pre-heated, in order to diminish the velocity of flow through the chamber; subjecting the liquid in the chamber to a cracking temperature in the presence of a quantity of metal balls, the liquid and the balls together continuously filling approximately half of the chamber; continuously withdrawing all the products of cracking in a single stream from a point near the liquid level in the chamber at a rate of from two to three gallons of gasoline and/or two to three pounds of carbon per square foot of heated inner surface of the chamber per hour; whereby to avoid incrustation of the wall of the chamber by reason of the presence of the balls which break up the carbon and keep it in suspension, and the rate of withdrawal being the same as the rate of flow of the pre-heated liquid so that there is maintained in the chamber at all times the said quantity of hydrocarbon oil impregnated with carbon particles to accelerate the cracking action.

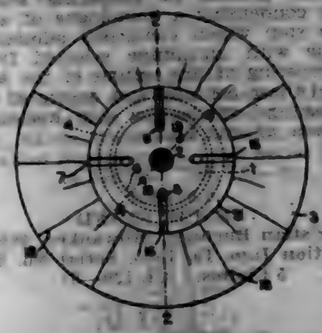
2,027,863

VENTILATED BUFFING WHEEL

Ethan Winthrop Hall, Belmont, Mass.

Application August 9, 1933, Serial No. 684,496

7 Claims. (Cl. 51—193)



1. A ventilated buffing wheel formed of a plurality of assembled buffing units having hubs provided with alined apertures, a plurality of annular layers of buffing material fitting upon said hub and secured thereto, integral disks of rigid material forming separator plates interposed between adjacent buffing units having slots communicating with said alined apertures and extending therefrom through the periphery of said separator plates, and means for admitting air to said apertures.

2,027,864

PHASE-SEQUENCE INDICATOR

Arthur R. Hand, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 25, 1934, Serial No. 749,989

5 Claims. (Cl. 172—245)



1. A phase-sequence indicator for a polyphase system comprising in combination, a pair of neon

discharge tubes and a condenser connected in Y, said tubes having a critical voltage greater than

$$\left(\frac{\sqrt{3}-1}{2}\right)$$

times the line voltage of the system.

2,027,865

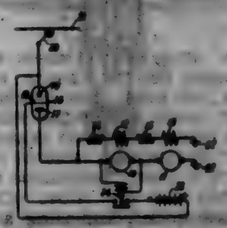
REGENERATIVE BRAKING SYSTEM

Hermann Hernale, Berlin-Lankwitz, Germany, assignor to General Electric Company, a corporation of New York

Application March 1, 1933, Serial No. 659,861

In Germany April 18, 1924

5 Claims. (Cl. 172—179)



1. The combination with a regenerative braking circuit for a motor arranged to return power to a supply circuit, of an electric valve connected between said circuits and normally conductive to current flowing from said regenerative circuit to said supply circuit, and means responsive to a predetermined voltage of said motor for rendering said valve non-conductive.

2,027,866

WEB ROLL TENSIONING DEVICE

John A. Isbell, Plainfield, and Charles L. Ricards, South Plainfield, N. J., assignors to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Application March 25, 1931, Serial No. 524,543

6 Claims. (Cl. 242—75)



1. The combination with a rotatable reel for supporting a running roll and a fresh roll for a web delivering machine, of straps supported at their upper ends above the fresh roll, movable means for supporting the lower ends of said straps below the running roll, and means for connecting said movable means with the reel to move therewith but in a direction to increase the wrap around the running roll as that roll is moved toward discharging position.

2,027,867

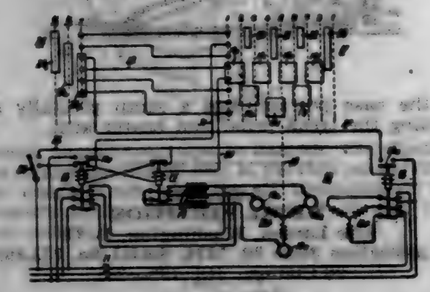
ELECTRIC MOTOR

Harold F. Jefferson, Rugby, England, assignor to General Electric Company, a corporation of New York

Application May 28, 1934, Serial No. 728,923

In Great Britain June 15, 1933

9 Claims. (Cl. 172—239)



2. In combination an alternating current motor having rotor and stator windings, means for connecting one of said windings to a source and means providing a closed circuit for the other of said windings to provide motoring operation, and means controlled by the operation of said motor for conecting the other of said windings to said source to stop said motor after a predetermined amount of rotation.

2,027,868

METHOD OF TREATING STEEL MAKING SLAGS

Augustus B. Kinzel, Douglaston, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia

No Drawing. Application August 17, 1934, Serial No. 740,304

5 Claims. (Cl. 75—46)

1. Method of improving the working characteristics of basic open hearth steel slags which comprises adding to said slags a substantial proportion of zirconium oxide, whereby the fluidity of said slags is permanently increased to a considerable degree while at the same time their cutting action on the hearth and lining of the furnace is decreased.

2,027,869

DRUM PEDAL

Frederick J. La Londe, Virginia, Minn., assignor to Gordon E. Thomas and Ernest E. Thomas, both of Virginia, Minn.

Application April 28, 1934, Serial No. 722,978

2 Claims. (Cl. 84—422)

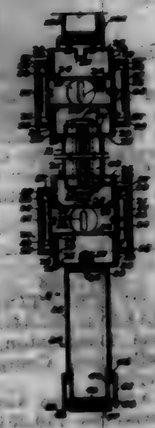
1. A foot pedal for drums comprising a base portion, spaced columns extending upwardly from said base portion, a tread pedal pivotally mounted upon said base portion and extending intermediate of said columns, a hub pivotally carried in the upper ends of said columns, a beater arm adjustably carried in said hub, a

transverse shaft having bent ends and supported in said hub, spring means attached at one end to said bent ends and at the other end



to the base portion, and a strap pivotally attaching the tread pedal and heater arm.

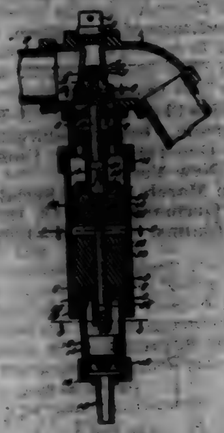
2,027,570
METAL PARTITION
Eric Larsen, Washington, D. C.
Application June 30, 1934, Serial No. 733,295
20 Claims. (Cl. 189—34)



1. In a metal partition, a post unit comprising a pair of spaced posts, vertically spaced U-shaped clips having sides and a base arranged within the space between the posts in the unit and extending transversely of the partition and provided near the ends of the sides and near the base with elements having shoulders, said elements being disposed exteriorly of the posts, and cover strips disposed to extend across the space between the posts and having flanges to engage with the shoulders so that the cover strips may be held in place.

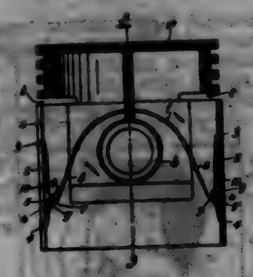
16. In a metal partition, a pair of spaced hollow posts, a partition structure arranged between the posts and connected therewith and including a hollow part, and a fixed electric wire guiding tube constituting a part of the completely assembled partition and extending through the hollow part of the partition structure and having its open ends in communication with the interior of the hollow posts whereby an electric wire may be passed from one hollow post to the other through the tube.

2,027,571
ANGLE COCK
Stephen McKnight, Russell, Ky.
Application April 13, 1935, Serial No. 16,075
4 Claims. (Cl. 303—36)



1. An angle cock comprising a casing, a plug operable in said casing, a cylinder mounted on said casing and having communication therewith, a housing mounted on said cylinder, a stem extending from the plug into said housing, means for releasably locking said stem to the housing, resilient means for disconnecting said locking means, and a fluid operated piston slidably mounted on the stem and operable in the cylinder for engaging the locking means.

2,027,572
PISTON SKIRT EXPANDER
George J. Mueller, St. Louis, Mo., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo., a corporation of Missouri
Application October 31, 1935, Serial No. 47,604
22 Claims. (Cl. 309—12)



1. A piston skirt expander comprising a U-shaped spring element, and piston engaging shoes hinged to the ends of the spring element, said shoes being provided with skirt gripping means.

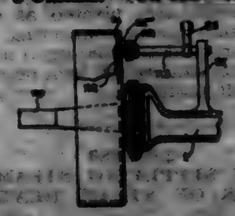
2,027,573
BRAKE-EQUALIZING MECHANISM FOR MOTOR VEHICLES
John L. Nail, Danville, Va.
Application March 2, 1934, Serial No. 714,722
5 Claims. (Cl. 188—204)

1. Equalizing mechanism of the class described including front and rear brake units having operating members, an equalizer frame provided with side members having front and rear horizontal slots, front and rear slidable equalizing levers operating in said slots and provided at the inner faces of the side members of the frame with stops for retaining the said levers in the slots, means for connecting the ends of the slidable equalizing levers with the operating members of the brake units, a combined guiding and supporting member carried by the said frame and having a horizontal slot at its rear portion and



provided at its front portion with vertical and horizontal slots, a rear pivoted equalizing lever mounted in said rear horizontal slot, a front pivoted and slidable equalizing lever operating in the front horizontal slot and having a pivot slidable in the said vertical slot, means for connecting the pivoted equalizing levers with each other and also with the front and rear slidable equalizing levers, and operating mechanism connected with the front pivoted equalizing lever.

2,027,574
BRAKE SHOE EQUALIZING DEVICE
John L. Nail, Danville, Va.
Application February 4, 1933, Serial No. 4,949
2 Claims. (Cl. 188—79)



1. In combination with a brake drum, brake shoe equalising means comprising a pair of brake shoes, substantially radially arranged levers located at opposite sides of the center of the brake drum and pivotally mounted at their inner ends and each pivoted at its outer end to one of the brake shoes, an operating rock shaft having an arm, an equalizing lever centrally pivoted to the arm of the rock shaft and arranged to be carried through an arc by the rock shaft, a pair of diverging links pivoted at one end to the ends of the equalizing lever and having their other ends located at opposite sides of the center of the brake drums, and means for connecting the last mentioned ends of the diverging links with the brake shoe actuating levers.

2,027,575
PRESSURE GAUGE
Charles J. Odend'hal, Washington, D. C.
Application October 24, 1933, Serial No. 695,122
11 Claims. (Cl. 73—136)

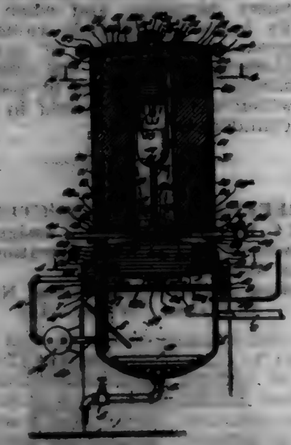
9. A pressure gauge consisting of a tube, a fluid charging connection to the interior of said tube, a support, a second tube having a vacuumized interior, means on said support, a main link pivotally mounted on said bosses, and a connection

from said link to the second tube, an indicating needle, a quadrant pivotally supported in said main link having one of its ends connected to drive said indicating needle and its other end connected to said first named tube whereby said



second named tube acts to dampen vibrations of the indicating needle and to prevent operation of the needle from changes of temperature and pressure acting upon the exterior of said tube first named.

2,027,576
OIL FILTER
Robert H. Pennebaker, Baton Rouge, La.
Application December 6, 1934, Serial No. 756,338
20 Claims. (Cl. 210—131)



1. An oil filter comprising a used oil receiving reservoir, a primary filtering chamber, a secondary filtering chamber of annular shape, and a final filtering chamber concentrically disposed with respect to said secondary filtering chamber; means for delivering used oil to said used oil receiving reservoir, means for pumping the used oil through said primary, secondary and final filtering chambers, and means for delivering filtered oil from the outlet of said final filtering chamber.

2,027,577
MOTOR COMPRESSOR
Raul Pateras Pescara, Paris, France
Application February 23, 1932, Serial No. 594,174
In France February 23, 1932
30 Claims. (Cl. 230—58)

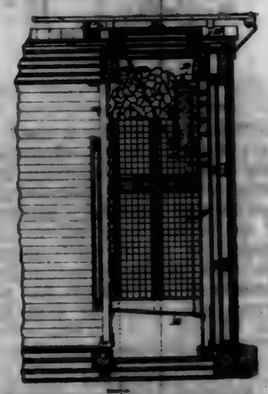
1. A motor compressor of the type described comprising in combination, at least two power

cylinders, at least two pairs of opposed pistons adapted to reciprocate in said cylinders respectively, means for feeding fuel into said cylinders, at least two pairs of compression cylinders adapted to receive the outer ends of said two pairs of pistons respectively, connecting means between the pistons of said two pairs respectively for causing the outward stroke of one pair to imperatively control the inward stroke of the other pair, the dimensions of said parts being so chosen that, when the sum of the energy of the explosive mixture in one power cylinder and of the energy stored in the fluid compressed at the end of the compression stroke in the compression



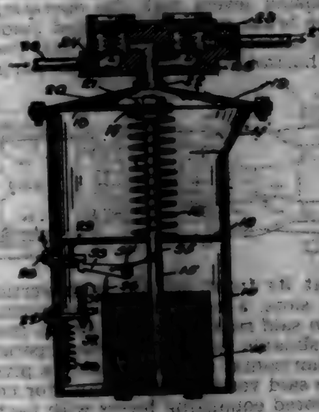
cylinders corresponding to the other cylinder falls down to its lowest admissible value, an accidental decrease in the length of stroke of the pistons causes said energy of the explosive mixture to decrease by an amount at most equal to that by which the energy stored in said compression cylinders decreases, and when said sum reaches its highest admissible value an accidental increase in the length of stroke of the pistons causes said energy of the explosive mixture to increase by an amount at most equal to that by which the energy stored in said compression cylinders decreases.

1,927,578
REFRIGERATOR STRUCTURE
Raymond C. Pierce, Chicago, Ill., assignor to General American Tank Car Corporation, a corporation of West Virginia
Application April 26, 1933, Serial No. 18,461
18 Claims. (Cl. 62—15)



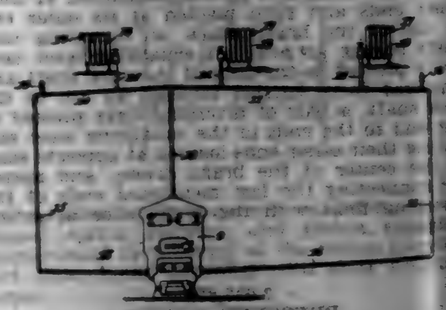
1. In a refrigerating structure, the combination with its ice compartment, of means operating automatically, when the ice in the compartment melts to a predetermined height, to supply salt to the ice.

1,927,579
PUMPING DEVICE
Nicholas F. A. Pisciotano, Weymouth, Mass.
Application November 24, 1934, Serial No. 754,048
Renewed November 2, 1935
6 Claims. (Cl. 103—53)



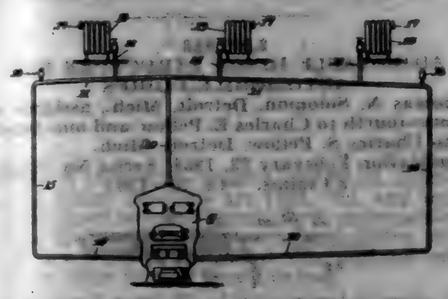
1. In a device of the kind described, a casing, a pump diaphragm at the top of said casing, a partition across said casing below said diaphragm, a spring between said partition and diaphragm urging the latter away from the partition, a solenoid winding on the opposite side of the partition to said diaphragm, a solenoid core extending through said partition into said solenoid and having fixed connection to said diaphragm, a switch arm pivoted at one side of said core, a snap spring connecting said switch arm to said core and adapted upon movement of the core to shift said switch arm between circuit and non-circuit positions.

2,027,580
METHOD OF SUPPLYING STEAM TO THE RADIATORS OF STEAM HEATING SYSTEMS
Fred I. Raymond, River Forest, Ill.
Application June 22, 1931, Serial No. 546,128
26 Claims. (Cl. 237—12)



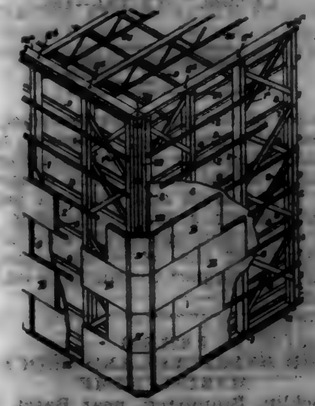
1. The method of supplying steam substantially simultaneously to a plurality of radiators connected with a steam main, which consists in preventing the air from the steam main while maintaining the air in the radiators against escape therefrom, and thereafter venting air from the radiators.

2,027,581
STEAM HEATING SYSTEM
Fred I. Raymond, River Forest, Ill.
Original application June 22, 1931, Serial No. 546,128. Divided and this application August 15, 1932, Serial No. 628,587
22 Claims. (Cl. 237—65)



1. A steam heating system comprising a source of steam, a steam main connected with said source, a plurality of radiators connected with said steam main, and automatically operating means for maintaining any air which may be present in the radiators against escape therefrom until the steam main has become filled with steam.

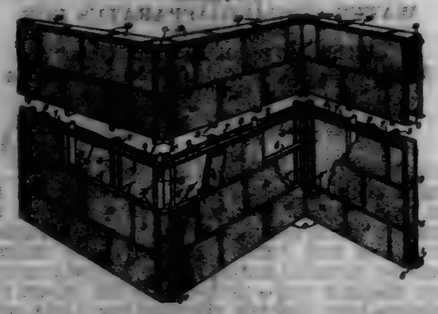
2,027,582
BUILDING CONSTRUCTION
David E. Rose, La Fayette, Ind., assignor to Restone, Incorporated, La Fayette, Ind., a corporation of Indiana
Application December 7, 1932, Serial No. 701,230
21 Claims. (Cl. 189—1)



1. Structural framing for buildings; comprising a plurality of pre-fabricated spaced vertical wall stud units, each comprising two parallel spaced channel irons and metal K-braces interposed between and rigidly secured to the said irons; and a plurality of parallel wall-block-supporting members attached to and extending across the said units and the spaces between adjacent units except where openings are to be provided.

17. In metal framing for building, a preformed box-ended channel iron stud having the end portion of its web cut from the flanges and turned inwardly between the flanges, and the adjacent end portions of its flanges turned inwardly and overlapping the said inturned web and portion to form a bearing surface for the stud.

2,027,583
BUILDING CONSTRUCTION
David E. Rose, La Fayette, Ind., assignor to Restone, Incorporated, La Fayette, Ind., a corporation of Indiana
Application February 4, 1935, Serial No. 4,963
12 Claims. (Cl. 72—19)



1. In a wall construction; a frame, a horizontal series of spaced parallel pre-fabricated members mounted upon the frame, each member having a portion projecting substantially normal to the wall with spaced wall engaging members thereon; courses of pre-formed blocks seated upon their respective projecting portions and filling the spaces between adjacent members, said blocks having spaced pre-drilled holes in their upper and lower edges adapted to receive the wall engaging members of the projecting portions.

2,027,584
BRUSH
Walford A. Schwab, Chicago, Ill.
Application February 25, 1933, Serial No. 658,613
8 Claims. (Cl. 15—186)



1. As a new article of manufacture, a brush adapted to stimulate the growth of hair by securing maximum pull on the hair in brushing having bristles comprising metallic stems and a rubber sheath, said sheath including a covering for said stems and a base providing a mounting for said stems.

2,027,585
BUILDING ELEMENT FOR CONSTRUCTIONAL GAMES
Oscar Schwarzbach, Bautzen, Germany, assignor to the firm Fraplde Spielwarenfabrik Alfred Krauss, Cologne-Ehrenfeld, Germany
Application March 18, 1935, Serial No. 11,714
In Germany March 6, 1933
7 Claims. (Cl. 46—23)



1. A building element in the form of a C-shaped connecting member for bars, struts, plates and the like in constructional toys, the ends of

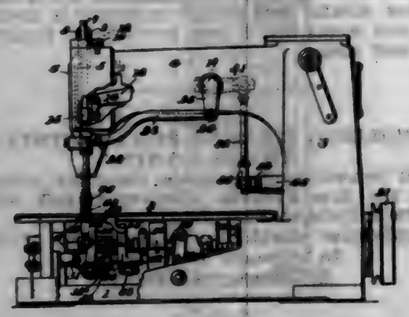
the connecting member being formed with slits opening through said ends and said connecting member being formed with projections at the sides of the slits.

2,027,836
WATER COOLING APPARATUS FOR ENGINES
Elbert W. Shall, Lawton, Okla.
Application May 3, 1934, Serial No. 723,784
4 Claims. (Cl. 257—229)



1. A water cooling apparatus of the class described comprising a casing for the passage of air, and a radiator mounted in said casing, said radiator including a U-tube, an intake pipe having one end closed and connected to the bight portion of the U-tube, a plurality of coils encircling the intake pipe and having one end connected thereto and their other ends connected alternately to the legs of the U-tube, and a return pipe connected to the bight portion of said U-tube.

2,027,837
ZIGZAG STITCHING MECHANISM
Clarence C. Smith, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application July 26, 1934, Serial No. 737,122
6 Claims. (Cl. 112—158)



1. A sewing machine including a work support, an overhanging arm, a main actuating shaft beneath the work support, a needle bar mounted on said overhanging arm for reciprocation and for lateral movement, a transverse shaft mounted on said overhanging arm, means for oscillating said shaft from said main actuating shaft, means connected to said oscillating shaft for moving said needle bar laterally, a needle reciprocating lever mounted on said oscillating shaft for free movement thereon, means for connecting said lever to said needle bar, and means for oscillating said lever from said main actuating shaft.

2,027,838
ADJUSTABLE HINGE STRUCTURE FOR AUTOMOBILE BODIES
Thomas N. Solomon, Detroit, Mich., assignor of one-fourth to Charles E. Pellow and one-fourth to Charles S. Pellow, Detroit, Mich.
Application February 22, 1934, Serial No. 712,633
3 Claims. (Cl. 16—130)



1. In a structure of the class described, the combination of a pillar provided with a pocket, a panel over said pocket, a stationary plate within said pocket, an adjustable plate extending through said panel and into said pocket and in engagement with said stationary plate, a door-engaging plate hingedly mounted on said adjustable plate, and means extending through said panel, adjustable plate and stationary plate for holding the same together.

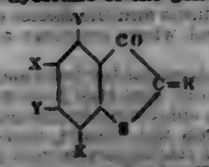
2,027,839
COMBINATION BOOK AND ATTACHING DEVICE
Charles G. Stewart, New York, N. Y.
Application November 16, 1931, Serial No. 575,410
1 Claim. (Cl. 281—15)



In a device of the character described, a loose leaf binder including cover members having a hinged back connection, a hinge barrel extending longitudinally of the hinged back connection at the inner side thereof and adjacent one of the cover members and a pintle extending through the hinge barrel and having its ends projecting from the ends of the barrel and adapted for attachment to a support for the loose leaf binder.

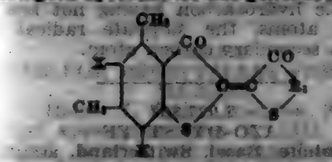
2,027,840
INDIGOID DYESTUFFS AND PROCESS OF MAKING SAME
Ernst Stöcklin, Binningen, near Basel, Switzerland, assignor to "Society of Chemical Industry in Basle", Basel, Switzerland
No Drawing. Application September 18, 1934, Serial No. 743,457. In Switzerland September 22, 1933
13 Claims. (Cl. 260—52)

1. Indigoid dyestuffs of the general formula



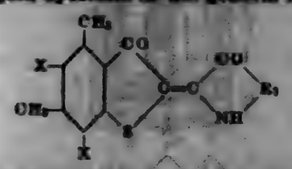
wherein X represents halogen, Y methyl and R the radical of an indigoid component, which products are scarlet, pink, red, red-violet, violet, and violet-blue to blue powders, dissolving in concentrated sulfuric acid to green, to blue-green solutions, and dyeing cotton from a yellow, orange to red to violet vat scarlet, pink, red, red-violet, violet and violet-blue to blue tints of good fastness.

3. Indigoid dyestuffs of the general formula



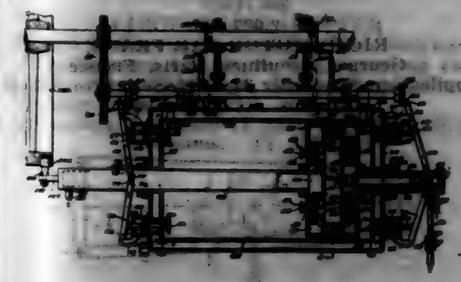
wherein X represents halogen and R_1 an arylene radical, which products are pink, red, and red-violet to violet powders, dissolving in concentrated sulfuric acid to a green solution, and dyeing cotton from a yellow to orange vat pink, red, and red-violet to violet tints of good fastness.

8. Indigoid dyestuffs of the general formula



wherein X represents halogen and R_2 an arylene radical, which products are violet, violet-blue to blue powders, dissolving in concentrated sulfuric acid to a green solution, and dyeing cotton from a yellow vat violet, violet-blue to blue tints of good fastness.

2,027,891
INTERNAL COMBUSTION ENGINE
Edward L. Wallace, Duluth, Minn.
Application July 6, 1934, Serial No. 734,988
7 Claims. (Cl. 123—32)



1. In an internal combustion engine of the Diesel type, a cylinder, a piston dividing the cylinder into a pair of combustion chambers, one at each side of the piston, the piston having a chamber, passages connecting the chamber with the combustion chambers, inlet valves for controlling the passages, springs co-operating with the differential pressures between the piston chamber and the combustion chambers for causing closing of the valves, said differential pressures causing opening of said valves, a tube having one end opening into the chamber in the piston, the other end projecting beyond the adjacent end of the cylinder and connected with a source of compressed air.

2,027,892
GUN
David M. Williams, Godwin, N. C.
Application March 19, 1935, Serial No. 11,879
24 Claims. (Cl. 89—3)



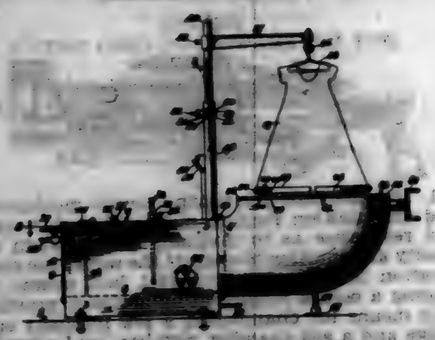
1. In a machine gun having breech mechanism and ammunition feeding means of such weight and resistance as to normally require high intensity ammunition to operate the same; the combination of a stationary barrel, bolt means including a bolt, a reciprocating actuator provided with means for chambering a low intensity cartridge and a gas chamber member, said actuator having a gas chamber formed therein communicating with said cartridge chambering means, said gas chamber member being mounted in telescopic relationship with the rear portion of the barrel, the gas chamber member and the barrel being arranged to prevent the escape of expanding gases resulting from the firing of ammunition until after the former has moved a predetermined distance rearwardly, a gas contact area in said gas chamber to initiate movement of the actuator under the influence of the gas, the actuator initiating rearward movement of the bolt, the area of said gas contact surface being predetermined in accordance with the resistance of the moving parts of the gun, the force required to function said means, and the working pressure generated by said low intensity cartridge so that when the said cartridge is fired, the explosion gases will react against said area to produce a force sufficient to overcome the resistance of the moving parts and function said moving parts as satisfactorily as if high intensity ammunition were used.

2,027,893
BELT FEEDING MEANS FOR GUNS
David M. Williams, Godwin, N. C.
Application March 19, 1935, Serial No. 11,880
23 Claims. (Cl. 89—3)



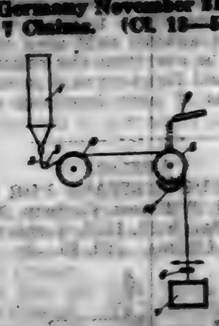
1. In a machine gun for using uniformly spaced belt carried cartridges, a belt feed including a fixed guide and a feed block, a slide mounted in said guide for reciprocating motion, a feed pawl pivoted to said slide and spring urged into engagement with the belt to feed the latter as the slide moves in one direction, and a cam fixed on the feed block and on which said feed pawl travels, said cam being arranged to permit feeding engagement of the feed pawl with the belt for a distance equal to the distance between successive cartridges during movement of the slide in belt feeding direction and to hold the feed pawl out of feeding engagement with the belt during the remainder of the feeding movement of said pawl.

1,027,894
RESIZING AND DRYING MACHINE
Walter Alcorn and Lloyd Hamilter, Columbia, S. C.
Application September 26, 1934, Serial No. 745,442
12 Claims. (Cl. 68—23)



1. A machine of the character described comprising means for holding a garment in an open position, means for discharging sizing into the open garment, and a fan for driving a current of air into the garment, first to aid in depositing the sizing in the interstices of the cloth, second to dry the cloth.

1,027,895
PRODUCTION OF ARTIFICIAL SILK BY THE STRETCH SPINNING PROCESS
Gotthard Baurichel and Ewald Knoke, Barmen, Germany, assignors to American Bemberg Corporation, New York, N. Y.
Application November 12, 1928, Serial No. 318,785
In Germany November 21, 1927
7 Claims. (Cl. 18—54)



1. A process for the production of artificial thread comprising forming the thread preliminarily by the supramaximum stretch spinning process in a stream of precipitating liquid, then subjecting the thread to a considerable stretching, and winding the thread upon a rigid winding device under reduced tension.

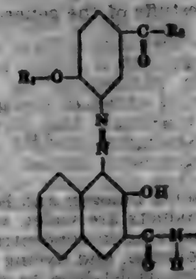
1,027,896
PRODUCTION OF ALKYL SULPHATES OF HIGH MOLECULAR WEIGHT
Heinrich Bertsch, Chemnitz, Germany, assignor to the firm H. Th. Böhme, Aktiengesellschaft, Chemnitz, Germany
No Drawing. Application November 3, 1934, Serial No. 752,243. In Germany November 4, 1929
13 Claims. (Cl. 260—99.13)

1. The production of wetting, dispersing, foaming, and smoothing agents for use in the textile, leather, and other industries consisting in the conversion of unsaturated aliphatic hydrocarbons with not less than 16 carbon atoms into sulphuric esters of the corresponding hydroxy compounds by treating said unsaturated hydrocarbons with mildly acting sulphating means at a temperature not exceeding 8° C.

8. As a new compound, the sulphate ester of an aliphatic hydrocarbon having not less than 10 carbon atoms, the sulphate radical being joined at a secondary carbon atom.

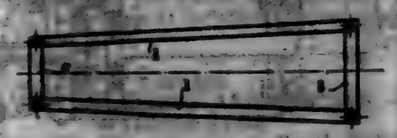
1,027,897
AZO-DYESTUFF
Gérald Bonhôte, Basel, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application May 5, 1925, Serial No. 28,679. In Switzerland May 15, 1924
8 Claims. (Cl. 260—96)

1. The dyestuffs of the general formula



in which R_3 stands for an aryl radical of the benzene series, R_2 for an alkyl radical containing not more than two carbon atoms, and R^1 for a radical of the benzene or naphthalene series, which dyestuffs are red powders insoluble in water, but dissolving in pyridine to red-orange solutions, and which dyestuffs when prepared on the fiber, dye the same fast vivid scarlet to red tints.

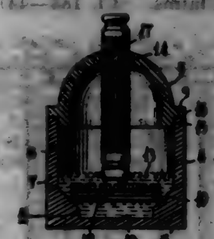
1,027,898
RIGID MOTOR CAR FRAME
Georges Brouhot, Paris, France
Application November 24, 1931, Serial No. 577,134
4 Claims. (Cl. 280—106)



3. A frame for automobiles, consisting of two tubular longitudinal frame members and two tubular transverse frame members for connecting the longitudinal members with each other adjacent their ends, and means for joining the transverse and longitudinal members, the ends of the transverse and longitudinal members being so formed that the end of one member extends into and lies with its upper and lower exterior surfaces flat against the upper and lower interior surface of the end of the other member, said joining means comprising bolts which extend completely through the interextending portions of said members, and spacing means arranged within said portions and inside said members to prevent crushing the said members by tightening of said bolts, said means being of such

strength and holding the members so rigidly against relative movement as to transmit from member to member the largest torsional stresses which arise in the operation of the automobile, whereby the complete frame is equivalent to a tube-like ring which can resist at all places the largest torsional stresses.

1,027,899
COVER FOR RECEPTACLES FOR SAFETY RAZORS
Homer L. Bruce, Houston, Tex.
Original application May 2, 1932, Serial No. 608,812. Divided and this application November 26, 1934, Serial No. 754,021
1 Claim. (Cl. 206—16)



A detachable lid for a safety razor receptacle or the like, comprising a hollow substantially dome-shaped rigid body having an aperture in its top of such a size as to loosely receive and support a safety razor handle or the like, said lid having an external flange positioned near its lower end and spaced a relatively great distance below its upper end to permit the portion of the lid above the flange to provide a handle for the lid, each of the portions of the lid immediately above and below the flange being of substantially identical size and shape to fit within a hollow body of a safety razor receptacle.

1,027,900
CIRCUIT INTERRUPTER
Herbert J. Crabbs, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 11, 1932, Serial No. 642,611
16 Claims. (Cl. 200—48)



1. In an electric switch, a supporting insulator, a contact means associated with said insulator, a second supporting insulator, a pair of blade members supported on said second insulator for swingable movement in a plane substantially parallel to the longitudinal axis thereof, and actuating means supported independently of said insulators for moving said blade members into and out of engagement with said contact means, said blade members being joined together adjacent the end thereof which engages said contact means by a linkage, at least one of said blade members being longitudinally movable, with respect to the other of said blade members, during the circuit closing operation to actuate said linkage and thereby cause at least one of said blade members to intimately engage said contact means.

1,027,901
SUPPLEMENTARY TOOL SUPPORT FOR TURRET LATHES
Myron S. Curtis, Pawtucket, R. I., assignor to William Wallace Potter, Pawtucket, R. I.
Application June 29, 1932, Serial No. 620,629
1 Claim. (Cl. 29—57)

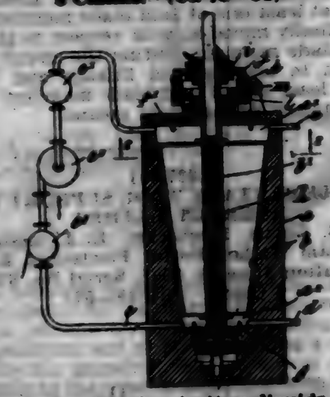


In a machine tool having a spindle supporting housing and a to and fro moving main slide, an auxiliary tool slide, a bracket projecting from the forward side of said housing and with which a surface on the housing has a thrust contact in the direction of movement of the main slide, means pivotally connecting the auxiliary tool slide to said bracket to change the direction of path of the auxiliary slide, means for holding it in adjusted position, means for imparting movement to the auxiliary slide from the main slide, comprising a rack and pinion, the rack being slidable in said bracket in the direction of movement of the main slide and a part carried by the main slide and acting upon said rack to move the rack, a shaft on which the pinion is mounted, a clutch between shaft and pinion releasable to permit turning of the pinion on the shaft for adjustment, and hand means to rotate the auxiliary slide to change its angle, comprising a gear on said shafts and a crank-operable pinion meshing with the gear.

1,027,902
PRODUCTION OF N-SUBSTITUTED AMINOPHENOLS
Miles Augustinus Dahlen, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 20, 1933, Serial No. 667,111
16 Claims. (Cl. 260—130)

1. The process which comprises reacting a nitrophenol with a reducing agent under conditions forming the corresponding primary aminophenol, in the presence of an inert solvent for the aminophenol, and reacting the resultant solution with an aldehyde.

2,027,903
APPARATUS FOR TESTING LIQUIDS, AND ESPECIALLY LUBRICANTS
Jean Georges Dintilhac, Paris, France, assignor to Society "L'Huile Des Records Du Monde S. A. F.", Paris, France
Application November 29, 1932, Serial No. 646,235
In Belgium November 29, 1932
6 Claims. (Cl. 73—51)



6. An apparatus for testing liquids, and especially lubricants, which comprises, in combination, a closed vessel the inner surface of which is of the shape of a frustum of a cone, a closed rotor of the same shape coaxially disposed in said vessel so as to leave a very small clearance space between the lateral outer surface of said rotor and the inner surface of said vessel, said vessel being formed with two chambers at both ends of said vessel respectively, means for rotating said rotor and said vessel relatively to each other, a closed circulation system for said liquid, including said two chambers and said clearance space, means for causing liquid to flow centrifugally through said circulation system, and means for moving said vessel and said rotor relatively to each other in the direction of their common axis, so that it is possible to vary the interval between their lateral cooperating walls.

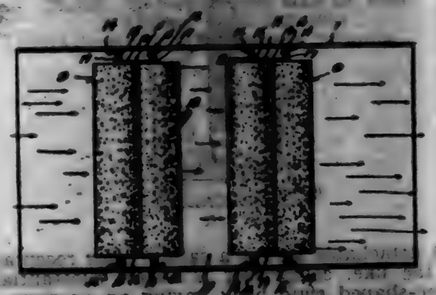
2,027,904
METHOD OF POLYMERIZING MONOSACCHARIDES
Edward Flieber, Heidelberg, Germany, assignor, by mesne assignments, to N. V. Internationale Suiker en Alcohol Compagnie International Sugar and Alcohol Company "Insac", The Hague, Netherlands
No Drawing. Application February 6, 1934, Serial No. 709,951. In Germany February 15, 1933
8 Claims. (Cl. 260—140)

1. The method of polymerizing carbohydrates which comprises melting carbohydrate monoses with materially less than 0.1 part (per 100 parts of the carbohydrates) of free strong mineral acid, heating to remove water and applying temperatures between 120°–180° C. and below those which cause material decomposition.

2,027,905
RECTAL NARCOTIC
Erich Goth, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application October 20, 1931, Serial No. 571,989. In Germany October 30, 1930
17 Claims. (Cl. 167—81)

1. An anhydrous composition of matter which is liquid at room temperature comprising tribromethylalcohol and an amide like complound of the group consisting of amides of the lower carboxylic acids containing at least two carbon atoms, mono- or dialkylated amides of the lower aliphatic carboxylic acids, esters of the carbamic acid and N-alkylated substitution products thereof, urea and alkylated ureas, the said amide grouping being present in an open or cyclic chain, said composition of matter being stable to light and heating and being suitable for pharmaceutical purposes.

2,027,906
AIR FILTER
Leo Hund, St. Louis, Mo.
Application August 8, 1933, Serial No. 684,515
8 Claims. (Cl. 183—64)



1. An air filter of the class described comprising an elongated casing of polygonal cross section open at its ends, and filtering units mounted at longitudinally spaced points in said casing, each unit including a removable frame comprising substantially channel-shaped side, top and bottom members, said top and bottom members having staggered notches therein, spirally twisted wire cores mounted vertically in the frame and terminating, at their ends, in hooks engaged in the notches, and bristles mounted on the cores and projecting therefrom.

2,027,907
CONCRETE ROAD BUILDING MACHINE
Jacquelin T. Harvey, Jr., Valdosta, Ga., assignor to Cyrus Kehr, Washington, D. C.
Application August 30, 1932, Serial No. 630,411
29 Claims. (Cl. 94—39)



1. The combination with a carriage structure adapted to travel parallel to a road form, of an upright spading member, and means for supporting the spading member, said supporting means being partially turnable about on an approximately upright axial line to position the forward part and the rear part of the spading member relative to the road form, one of said parts being placed near and the other away from the form.

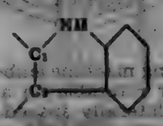
2,027,908
CARBAZOLE DERIVATIVES AND PROCESS OF MAKING SAME
Hermann Hauser, Basel, and Max Remmer, Riehen, near Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 7, 1934, Serial No. 734,906. In Switzerland July 19, 1933
11 Claims. (Cl. 260—44)

1. Process for the production of carbazole derivatives, consisting in treating with dissolving agents compounds of the general formula



wherein the carbon pair C_1C_2 belong to an anthraquinone radical in which at least one carbon atom standing in ortho-position to the imino-group is unsubstituted and in which the amino-group is in ortho-position to the imino-group, and heating the amides thus formed.

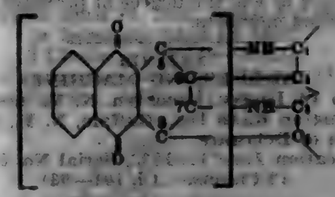
10. Carbazole derivatives of the general formula



wherein the carbon pair C_1C_2 belongs to an anthraquinone radical substituted by a benzoyl-amino-group, which products constitute olive to brown to red to yellow colored powders which dissolve in concentrated sulfuric acid to blue-green to green solutions, and dye cotton from the vat olive to brown to red to yellow tints of very good fastness properties.

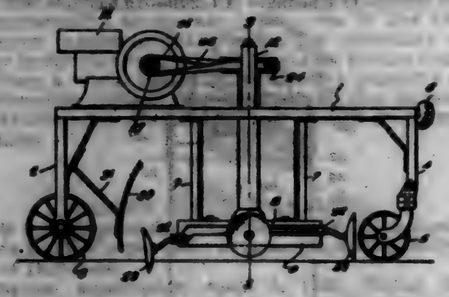
2,027,909
CARBAZOLE DERIVATIVES
Hermann Hauser, Basel, and Max Remmer, Riehen, near Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application July 7, 1934, Serial No. 734,907. In Switzerland July 21, 1933
3 Claims. (Cl. 260—44)

1. The carbazole derivatives of the general formula



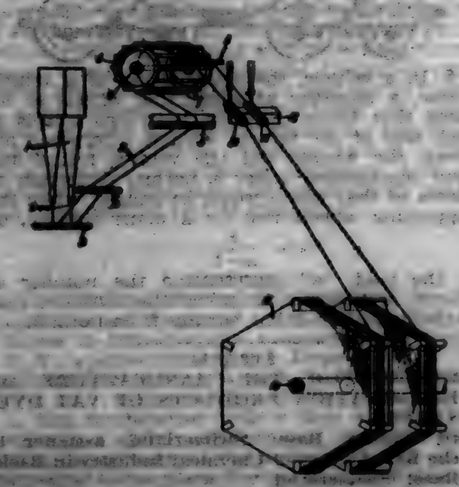
wherein the carbon pair C_1C_2 belongs to a phenyl radical, the carbon pair C_3C_4 to an anthraquinone radical, and wherein the carbon pair C_3C_4 is linked with the carbon pair C_1C_2 and the carbon pair C_3C_4 is linked with the carbon pair C_3C_4, which products constitute brown to red to blue to grey to black powders which dissolve in concentrated sulfuric acid to brown to blue to violet to grey to green solutions and dye cotton from grey to brown to bordeaux vats brown to bordeaux to grey to green tints of very good fastness properties.

2,027,910
REVOLVING DISK PLOW
Felix Edgar Herring, Mount Airy, N. C.
Application March 7, 1935, Serial No. 9,849
1 Claim. (Cl. 97—41)



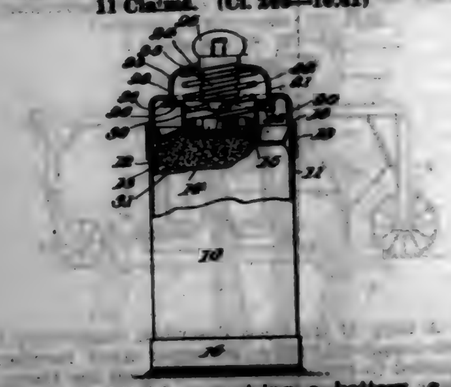
1. A plow of the class described comprising a wheel-supported frame, an upper track member supported in horizontal position upon the frame, a lower track member supported from the frame and parallel with the first track member, said members forming a cam slot between them, the rear portion of which is lower than the rest of the slot with the ends of the lower portion sloping upwardly and outwardly to the rest of the slot, radiating plow beams passing through the slot and having their outer ends curving downwardly, plows connected to said outer ends, a roller on each beam engaging the walls of the cam slot, a hub member to which the inner ends of the beams are pivoted for movement about horizontal axes, and means for rotating the hub member.

2,027,911
METHOD FOR CONDITIONING ARTIFICIAL THREAD
Hugo Hofmann, Johnson City, Tenn., assignor to American Bemberg Corporation, New York, N. Y., a corporation of Delaware
Application April 2, 1930, Serial No. 440,933
8 Claims. (Cl. 18—54)



1. In the production of threads of the class described, the steps comprising precipitating the threads, stretching and shrinking the thread, then subjecting it to a fixing solution.

2,027,912
BATTERY LIGHT
Harry T. Kingsbury, Keene, N. H., assignor to Kingsbury Mfg. Company, Keene, N. H., a corporation of New Hampshire
Application April 29, 1933, Serial No. 668,646
11 Claims. (Cl. 240—10.61)



1. A flashlight comprising a battery, a cap member adapted to frictionally engage said battery, said cap member having an opening above the battery, cam surfaces around the edge of the opening in said cap member, a light bulb supporting member adapted to telescope within the opening in said cap member, means on said supporting member for engaging said cam surfaces to close an electric circuit upon rotation of said supporting member in one direction and said cam surfaces being adapted to limit the rotation of said supporting member in the opposite direction, and means for normally holding the light bulb terminal out of contact with the battery terminal.

2,027,913
SPRING-SUPPORTED VEHICLE
Robert D. Kinsale, Atlanta, Ga.
Application January 22, 1935, Serial No. 2,930
9 Claims. (Cl. 280—124)



6. In a vehicle, the combination of a vehicle frame, a plurality of supporting wheels so located that there are more than two wheels at each side of the vehicle, springs interposed between the wheels and the vehicle frame and each maintained under a normal deflection in excess of that which would be caused, when the supporting wheels rest on a plane surface, by

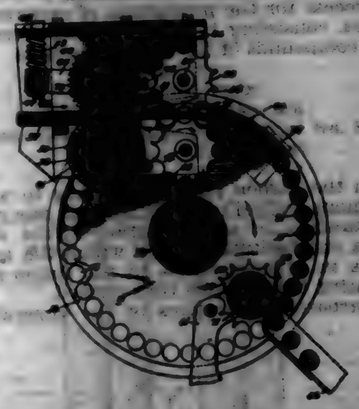
$$\frac{a}{a-1}$$

of the load, "a" representing the number of wheels, and means for preventing any decrease in the deflection of the springs from normal.

2,027,914
PROCESS FOR THE MANUFACTURE OF BROMINATION PRODUCTS OF VAT DYESTUFFS
Karl Krauer, Basel, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application May 9, 1935, Serial No. 20,672. In Switzerland May 19, 1934
12 Claims. (Cl. 260—61)

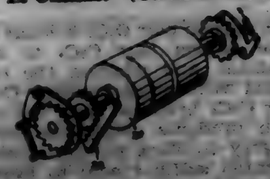
1. A manufacture of brominated derivatives of vat dyestuffs of the anthraquinonone series, wherein the bromination is conducted in an indifferent solvent in the presence of a zinc halide, the halogens of which have an atomatic weight greater than 30.

1,027,915
COMPRESSING MACHINE
Albert S. Kuz, Chicago, Ill.
Application January 27, 1933, Serial No. 653,787
2 Claims. (Cl. 18—30)



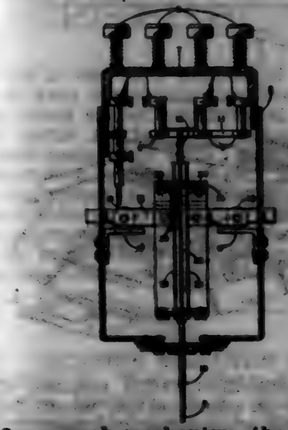
1. A compressing machine embodying a plunger carrying member rotatable on a horizontal axis and comprising laterally spaced flanges of considerable thickness provided with horizontal openings therethrough and respectively registering, plungers respectively projecting into said openings and supported by the respective flanges, the plunger carrying openings in one of said flanges also constituting compression chambers for the material, means for moving the plungers toward each other and into the compression chambers, the said means so constructed and arranged as to cause the plungers to remove the compressed product from the chambers while the product is held between said plungers, feeding and partially shaping cooperating rotatable members for the material, rotatable cutting members between which the material passes, said cutting members being separate from the plunger carrying member and rotatable upon axes separate from and parallel with the axis of the last said member, said cutting members operating between the said flanges and co-operating plungers and presenting the severed material to the plungers outside of the compression chambers, and means for varying at will the degree of pressure between said feeding members.

2,027,916
ADDRESSING MACHINE
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application June 13, 1932, Serial No. 616,927
12 Claims. (Cl. 101—93)



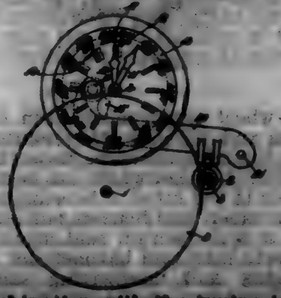
1. In a machine of the class described, the combination of record feeding mechanism, a record having printed fields thereon, a sensing mechanism for reading said record and automatic means for causing the feeding mechanism to present each field of the record to the sensing mechanism comprising a stepped stop member and a cam for the actuation thereof, adapted to cooperate with said record feeding mechanism to convey said record to and against said stepped stops in succession at successive stages in the operation of the machine.

2,027,917
CARD PUNCH
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application April 15, 1933, Serial No. 16,962
4 Claims. (Cl. 164—112)



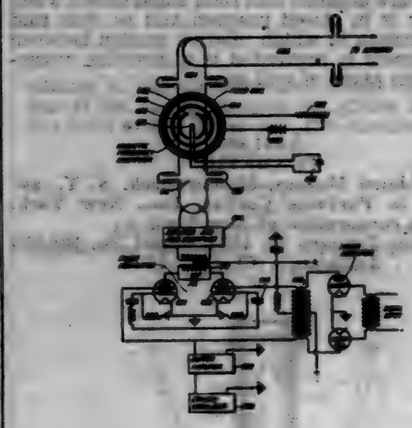
1. In a punch mechanism, the combination of a keyboard, a punch and punch setting mechanism controllable thereby, and a plurality of coding mechanisms cooperating therebetween, said keyboard mechanism comprising key-tail-members positioned in a single line, said coding mechanism comprising a movable carriage having therein a plurality of sets of interponent members respectively comprising effect interponents and flag members.

2,027,918
DEVICE INDICATING THE POSITION OF ADJUSTABLE PARTS OF RADIO SETS AND THE LIKE
Max Leeuwin, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application April 17, 1933, Serial No. 666,566
In Germany April 18, 1932
3 Claims. (Cl. 116—124.1)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. In combination with the tuning instrumentality of a multi-range radio receiver or the like, selecting means for adjusting the tuning instrumentality to operate within any desired one of a plurality of frequency ranges, operable means providing for adjustment of said tuning instrumentality within the selected range, frequency range indicating means operative upon operation of the selecting means to adjust the tuning instrumentality to operate within one of the frequency ranges to characterize the selectance of any particular range, said indicating means comprising a visual indicator including a plurality of differently colored elements each one thereof characterizing a particular one of said frequency ranges.

2,027,919
SHORT WAVE SIGNALING
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application April 5, 1932, Serial No. 603,316. Divided and this application November 23, 1933, Serial No. 699,378
7 Claims. (Cl. 250—36)

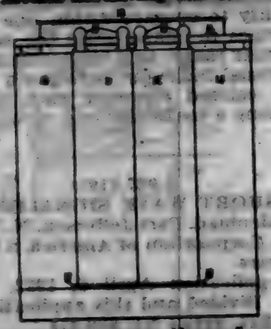


1. A frequency multiplier comprising a multi-electrode device having a cathode and a plurality of anodes the active surfaces of which are equidistantly disposed around said cathode, a tuned circuit tuned to a fundamental frequency connected between said anodes, a tuned circuit tuned to a harmonically related frequency also connected between said anodes, means for supplying energy of fundamental frequency to said circuit tuned to said fundamental frequency, and an output circuit coupled to said tuned circuit tuned to a harmonically related frequency.

2,027,920
DOOR GUIDING EQUIPMENT
David Leonard Lindquist, Hartsdale, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application December 29, 1933, Serial No. 703,199
5 Claims. (Cl. 20—19)

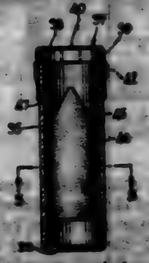
1. The combination with a door guide at the bottom of a sliding elevator door, of means preventing movement of the bottom of said door transverse to the plane thereof when said door is in closed position, said means comprising: a member having two exterior surfaces disposed at an acute angle to each other; a member having two interior surfaces disposed at a corresponding angle to each other, said members, when

moved into engagement with said exterior surfaces of the first member in engagement with the corresponding interior surfaces of the second member, preventing relative motion in a given direction between said members, and also in the direction opposite thereto, when in such engagement; and means mounting one of said members



on said door at the bottom thereof and the other of said members on the threshold so that said members are brought into such engagement when said door is in closed position and so that said given direction in which relative motion between said members is prevented is a direction transverse to the plane of said door.

2,027,921
COSMETIC
Charles Lionel Marcus, Massapequa, N. Y., assignor to Parfums Cerday, Inc., New York, N. Y., a corporation of New York
Application January 27, 1934, Serial No. 708,599
3 Claims. (Cl. 206—46)



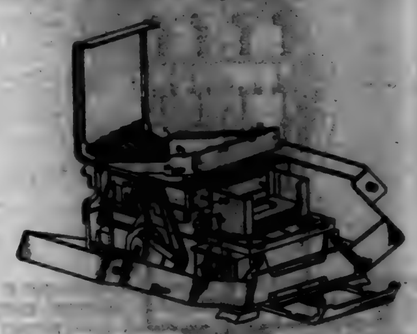
1. In combination, a container, a stick of rouge therein, and a sheet of paper wrapped around said stick of rouge and projecting from the opposite ends thereof.

2,027,922
METHOD OF MAKING WRENCH SOCKETS
Norris F. McNaught, Chicago, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois
Application May 29, 1934, Serial No. 23,926
4 Claims. (Cl. 76—114)



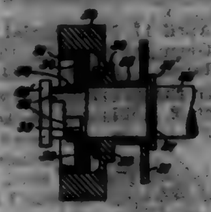
1. The method which consists in heating to forging temperature a hollow socket turned from stock, confining the exterior of the socket in a side wall retainer, and conforming the interior of the socket for nut embracement by the forcible insertion of a broaching tool which acts to shift hot metal from the nut receiving region of the socket to an adjacent interior region thereof.

2,027,923
SUPPORTING AND LOCKING MEANS FOR PRINTING INTERPRETERS
Harold P. Minor, Floral Park, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application August 2, 1934, Serial No. 738,171
5 Claims. (Cl. 101—93)



1. In a printing interpreting machine of the class described, in combination, means for assembling a group of printing interpreting plates as a single unit, a rockable frame adapted to hold a plurality of such single units, means for automatically locking said rockable frame against movement, automatic means for preventing the return of said rockable frame to its normal operative position, and means whereby said locking means can be rendered ineffective.

2,027,924
FREEWHEEL DEVICE
Pierre Mercon, Neuilly, France
Application April 12, 1933, Serial No. 665,761
In France April 13, 1932
9 Claims. (Cl. 192—46)



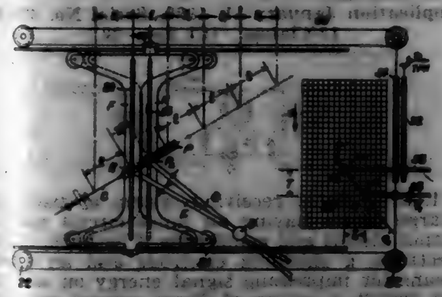
1. Free-wheel clutch mechanism for connecting driving and driven shafts comprising two cooperating threaded members through which the drive is effected, one of which can be moved axially relatively to the other, a housing to guide said movable member, said housing embodying a bayonet slot, a projection on said movable member to co-operate with said bayonet slot, and means for engaging and disengaging said threaded members dependent on the relative speeds of the driving and driven shafts.

2,027,925
METHOD AND APPARATUS FOR CUTTING FABRIC BLANKS
Ernest E. Murray, Jackson, Mich., assignor, by direct and mesne assignments, of one-fourth to Joseph W. Myers, Philadelphia, Pa., and one-half to L. W. MacFarland, Long Island City, N. Y.
Application December 4, 1931, Serial No. 578,219
12 Claims. (Cl. 164—17)



1. As a step in a method of cutting circular fabric discs comprising the severing of a fabric strip along spaced symmetrical undulate paths, said paths tracing arcs of imaginary circles scribed upon said strip, said circles being of substantially equal diameter and having their centers located in substantially parallel rows and spaced substantially the distance of a diameter, the centers of the circles of alternate rows being spaced substantially a diameter from centers of adjacent circles of intermediate rows.

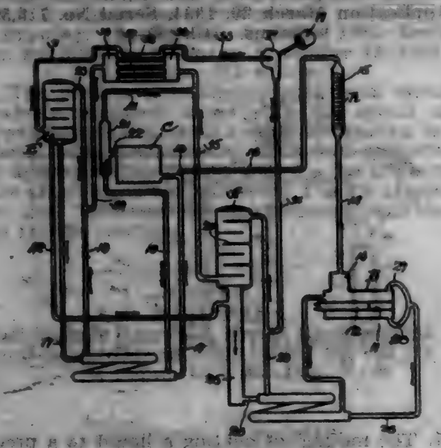
2,027,926
GUNNERY DIRECTOR SYSTEM
Shierfield G. Myers, Freeport, and Earl W. Chafee, Brooklyn, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application March 30, 1929, Serial No. 347,557
Renewed March 9, 1935
20 Claims. (Cl. 235—61.5)



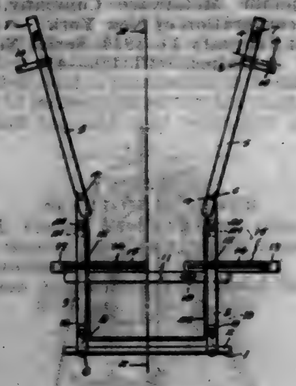
16. In a fire control director, means for resolving the target's position as observed from the director into fixed rectilinear components, means for indicating the rate of movement of the target along each component, and means for combining each rate with the time of flight of the shell to locate the predicted position by its components.

2,027,927
ABSORPTION REFRIGERATION
Rudolph S. Nelson, Rockford, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 6, 1931, Serial No. 567,966
9 Claims. (Cl. 62—119.5)

5. In a continuous absorption refrigerating system, the combination of an evaporator for producing cold, an absorber, a boiler located below the absorber, gas pumping means forming part of the system for removing gas from a part of the system and raising the pressure thereof to a pressure on the gas over that normally prevailing in the absorber and means utilizing the gas at the raised pressure for lifting liquid from the level of the boiler into the absorber.

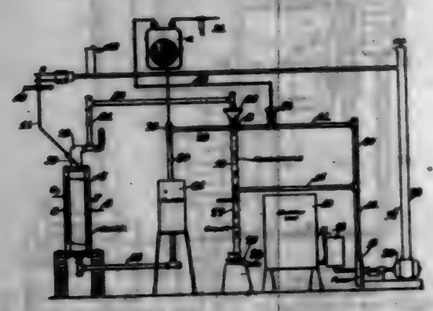


2,027,928
RACK
Elise E. Norwood, Fairfax, Calif.
Application September 25, 1934, Serial No. 745,465
1 Claim. (Cl. 45—89)



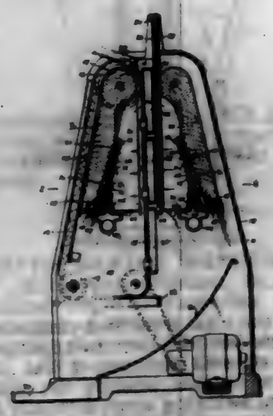
A rack of the class described comprising a base member, arms secured thereto adjacent the opposite ends of said member, a bar connecting said arms for further holding the same in desired relation, swinging arms pivotally connected with the outer end portions of the first arms, engaging means carried by the outer end portions of the swinging arms, engaging means carried by the member and coacting with the first named arms, movable arms engaging the bar from above, coacting means carried by the first arms and said movable arms for holding the same against endwise movement in opposite directions with respect to the first named arms and for locking said movable arms in desired adjustment, and coacting means carried by said movable arms.

1,027,925
HEAT EXCHANGE SYSTEM
Raymond E. Olsen, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application March 26, 1934, Serial No. 716,567
9 Claims. (Cl. 257—2)



1. The method of heating a liquid to a predetermined temperature in a system including a heater which comprises mixing, externally of said heater, a portion of said liquid in a partially heated state with a portion of said liquid in a cool state to provide a resulting mixture of a given uniform temperature less than the predetermined temperature, and heating the resulting mixture in said heater to the predetermined temperature.

1,027,930
GAS HEATED TOASTING DEVICE
Lester E. Padelford, Buffalo, N. Y., assignor to The Republic Metalware Company, Buffalo, N. Y., a corporation of New York
Application February 11, 1930, Serial No. 427,620
9 Claims. (Cl. 126—41)



4. A toasting device comprising a casing, a toasting chamber within the casing, the chamber being formed by oppositely arranged oven walls, sprocket chains carried by the casing, and a plurality of toast baskets rigidly attached to the sprocket chains, the downward passes of the chains being substantially vertical and extending through the toasting chamber, and the upward passes thereof being inclined rearwardly and being exposed on the exterior of the casing, whereby toast placed within the baskets on the upward pass will be retained in position and then passed downwardly through the toasting chamber.

1,027,931
METHOD OF DEPOSITING SILICA ON MATERIAL
Arthur B. Ray, Bayside, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application January 20, 1934, Serial No. 707,543
20 Claims. (Cl. 91—68)

1. A method of producing a form of silica capable of adhering to material which comprises treating such material with a solution containing a silicic acid ester of a polyhydric alcohol and causing the deposition of silica by hydrolysis.

1,027,932
MOLD AND METHOD FOR ITS PRODUCTION
Arthur B. Ray, Bayside, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application January 20, 1934, Serial No. 707,542
22 Claims. (Cl. 22—196)

5. A sand mold adapted for use with high melting alloys and having the molding surface rendered smooth and hard by the deposition of adherent unfused silica on the molding surface and in the body of the mold adjacent to the surface.

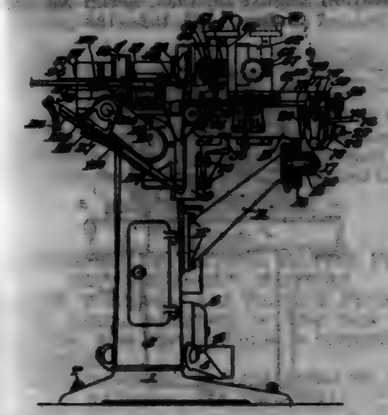
1,027,933
SUPERHETERODYNE CIRCUIT
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 11, 1928. Serial No. 246,113
12 Claims. (Cl. 250—20)



1. In a signal receiving system a space discharge device having an input circuit and an output circuit and comprising a cathode, a grid electrode, a shielding electrode and an anode, means for impressing signal energy on said input circuit, a source of direct current potential for said shielding electrode, a source of direct current potential for said anode, the direct current potentials applied to said shielding electrode and said anode being normally so related that the conductivity of said output circuit is approximately zero irrespective of energy impressed upon said input circuit and means for periodically varying the anode potential.

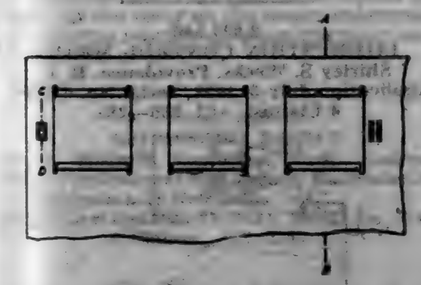
1,027,934
LINING AND BEVELING MACHINE
Vernon Royle, Paterson, N. J.
Original application May 29, 1929, Serial No. 367,992. Divided and this application May 3, 1934, Serial No. 723,656
5 Claims. (Cl. 29—31)

1. In a lining and beveling machine, a table for supporting the work, vertically disposed ways mounted to slide on the opposite sides of the table, a clamp extending between said ways and vertically movable therein for engaging the entire



length of the work on the table, and means for moving the ways simultaneously for adjusting the clamp laterally across the table.

1,027,935
METALLIC CHASSIS FOR ELECTRON TUBE AMPLIFIERS
Franz Sass, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 13, 1933, Serial No. 680,245
In Germany June 30, 1933
2 Claims. (Cl. 250—18)

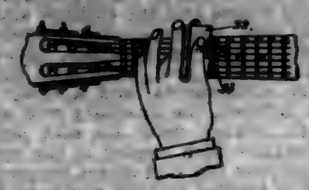


1. The combination of a substantially plane base support for electrical apparatus and the like, of the type which is positioned on one side of the support plane and provision is made to electrically connect to terminals of the apparatus from the other side of the support plane, said base being provided with a plurality of apertures through which the said electrical connections are made, a plurality of integrally formed lugs extending below the plane of the base portion along two opposite edges of each of the apertures, a sheet of insulation material having a width substantially equal to the distance between the oppositely disposed lugs and slidable therebetween and means for securing said insulation sheet in position between said lugs, said insulation sheet being provided with a plurality of apertures positioned so as to register with the apertures in the base support when the insulation sheet is in position.

1,027,936
PROCESS OF MANUFACTURING SOAPS
Walther Schrauth, Berlin-Dahlem, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels, A.-G., Zurich, Switzerland, a corporation of Switzerland
No Drawing. Application April 24, 1931, Serial No. 533,686. In Germany November 19, 1928
8 Claims. (Cl. 91—9)

1. The process of producing soap from sperm oil which comprises saponifying the sperm oil and oxidizing the alcohols formed by treating the material with concentrated alkali at a temperature approximating 200 to 250° C., the quantity of the alkali being approximately 1 to 2% greater than that indicated by stoichiometric calculations for the reaction.

1,027,937
TONE BAR
Carl Temple Schrickel, Mount Healthy, Ohio
Application July 29, 1932, Serial No. 624,277
1 Claim. (Cl. 84—319)



A tone bar comprising a body portion having a string engaging edge forming a contact bar for all the guitar strings, a secondary bar extending laterally from said body portion at substantially right angles thereto and comprising a fixed member and a cooperating sliding member supported thereby, said sliding member terminating in a string contacting surface, resilient means normally and constantly urging said sliding member to its extended position from said body portion, and a manipulating thumb rest on said slide to manually shorten the space between said contact bar and said secondary bar.

1,027,938
SUCTION CLEANER
Charles H. Taylor, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 30, 1933, Serial No. 687,412
3 Claims. (Cl. 15—14)



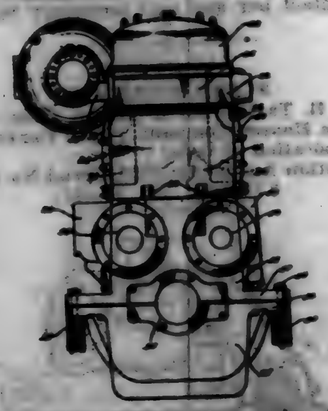
3. In a suction cleaner, suction-creating means, a nozzle, pile penetrating lips defining the sides of said nozzle, an air tunnel having a downwardly directed mouth and interiorly connected to atmosphere, pile penetrating lips defining the sides of said air tunnel, and means to limit the penetration of said lips into a surface covering undergoing cleaning comprising an undriven surface-contacting roller positioned in said tunnel.

2,027,580
AUTOMATIC DEMODULATOR SENSITIVITY CONTROL
Rudolf Urtel and Karl Steimel, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 31, 1933, Serial No. 694,666
In Germany December 23, 1932
6 Claims. (Cl. 250—27)



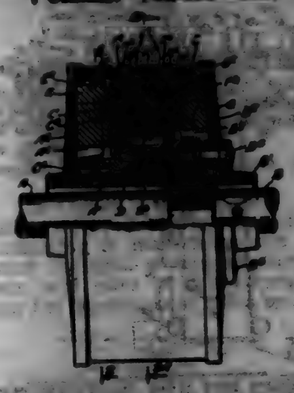
1. In combination with a source of signals to be demodulated and a network for utilizing the audio component of the demodulated signals, an electron discharge tube provided with a cathode, a plate, a control grid adjacent the cathode, an auxiliary grid adjacent the plate, and a positive screen grid between the two grids, a second network, including a signal input circuit, coupled between said source and the cathode and control grid of said tube, means in said second network for developing from said signals, between said cathode and control grid, audio and direct current voltage components, and a direct current connection between the auxiliary grid and a direct current voltage point on said last means which is negative with respect to the cathode of the tube whereby the said direct current voltage component is applied to said auxiliary grid as a gain regulation voltage for the tube, and said audio component being repeated into the plate circuit of the tube.

2,027,940
INTERNAL COMBUSTION ENGINE
Jesse G. Vincent, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 23, 1931, Serial No. 582,910
5 Claims. (Cl. 121—194)



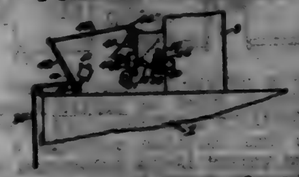
1. In an internal combustion engine, the combination of upper and lower crank case sections, said sections being of box formation in cross section with the sides extending substantially in line vertically, said upper box section having open sides, supporting flanges extending outwardly from the adjacent side walls of the sections, cover plates secured against the sides of the upper section over the openings therein, and means securing said supporting flanges together and to a support.

2,027,942
CLUTCH MECHANISM
Harold D. Waterhouse, Rochester, N. Y.
Application August 16, 1927, Serial No. 213,338
7 Claims. (Cl. 192—103)



1. A device of the class described comprising in combination a driving member, a driven member, a floating member, two independently operating clutch mechanisms operatively interposed between the floating and driven members, one of said mechanisms being effective at floating member starting speeds and including means rendering it ineffective at normal operating speeds of the floating member and the other of said mechanisms being ineffective at slower member starting speeds and including means rendering it effective at normal driven member speeds, and a third clutch mechanism ineffective when the driving member is at rest but rendered effective to cause said floating member to rotate with the driving element by a driving member speed below normal running speeds.

2,027,943
COMBUSTION CONTROL MEANS
Shirley R. Weeks, Providence, R. I.
Application July 6, 1928, Serial No. 290,847
4 Claims. (Cl. 236—34)



1. Combustion control means for a boiler comprising, in combination, mechanism for regulating the feed of fuel to the furnace; apparatus for compensating the gas flow through the boiler comprising an opening in the passage for said flow; a free-swinging counterbalanced damper in said opening movable in response to changes of pressure of said gas; and means actuated by the said regulating mechanism for changing the counterbalance of said damper in accordance with the regulation of said fuel.

2,027,945
PROTECTIVE HEATING MEANS FOR THIRD RAIL ELECTRIC RAILWAYS
Loren Stanford Wells, Great Neck, N. Y.
Application April 26, 1926, Serial No. 104,104
7 Claims. (Cl. 104—28)

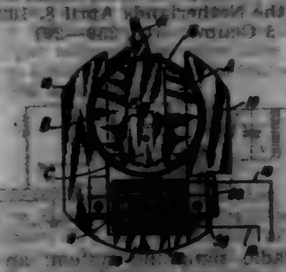
1. A protective heating means for third rail electric railways comprising in combination with

the track rails and contact rail parallel thereto, rolling stock adapted to be operated thereover having a plurality of contact shoes spaced substantial distances apart, heaters positioned for heating of the contact rail at spaced areas,



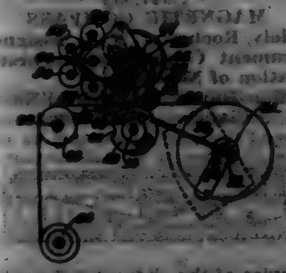
each area in length substantially equal to said contact shoe spacing and having the heated areas spaced relative to a determined minimum length of rolling stock to be operatively spanned thereby.

2,027,946
AUTOMATIC STARTING DEVICE FOR SYNCHRONOUS MOTORS
Richard H. Whitehead and Wilson E. Porter, New Haven, Conn., assignors to The New Haven Clock Co., New Haven, Conn., a corporation of Connecticut
Application November 28, 1929, Serial No. 410,808
9 Claims. (Cl. 172—279)



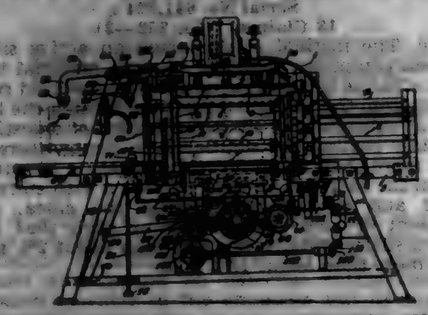
7. A synchronous motor having, in combination therewith, magnetic means that is attracted to said motor when the motor is energized, and that has a member that imparts an initial rotary impulse to the rotor of the motor independently of the driving reaction between the rotor and the stator of the motor.

2,027,945
RECORDING DEVICE
Jules A. Widmer, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application October 27, 1931, Serial No. 571,376
6 Claims. (Cl. 234—1)



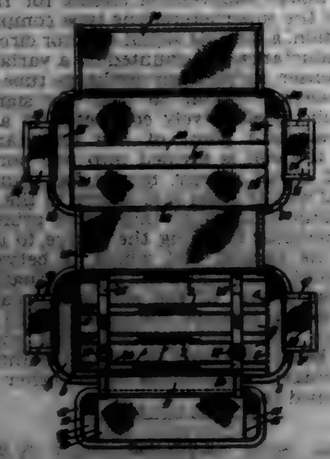
6. In combination, a time dry recording element, a chart normally out of contact with said marking element, means for effecting engagement between said chart and the edge of said element, and motor means for directly rotating said element about its own axis to make a mark on said chart independently of the movement of said chart.

2,027,946
CARTON FILLING MACHINE
Charles Henry Wild, Baltimore, Md., assignor to Ever Machine Company, Incorporated, Baltimore, Md., a corporation of Maryland
Application October 5, 1931, Serial No. 566,854
11 Claims. (Cl. 226—15)



1. The combination, in a machine for filling cartons with cans, of a load forming enclosure, means for feeding cans thereto, means within the load forming enclosure arranged in a plurality of tiers, one above the other for conducting the cans to their respective positions in the load, a plunger and means for reciprocating the same transversely to the said conducting means to move each load from the load forming enclosure into the corresponding carton, means for withdrawing said conducting means in advance of the forward stroke of the plunger and returning said means to operative position when the plunger is retracted.

2,027,947
HEAT COVER
Edward Wittcoff, University City, Mo., assignor to Ever Klean Heat Pad Co., St. Louis, Mo., a corporation of Missouri
Application October 19, 1932, Serial No. 638,546
5 Claims. (Cl. 155—182)

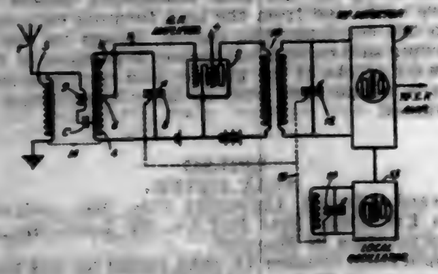


4. A device of the kind described including a section adapted to cover a seat, a member connected to each end of said section to secure said section to said seat to maintain it in position thereon, reinforcement means connecting the ends of said section and attached to said member whereby to take the oppositely directed stress of said two securing members by tension within itself, whereby to prevent such stress from straining the first-mentioned section.

2,027,942
ADSORBENT
Herbert J. Wollner, Brooklyn, and John V. Shiras, Flushing, N. Y., assignors to General Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application November 4, 1932, Serial No. 641,224
18 Claims. (Cl. 252—3)

10. The method of preparing an active silica which comprises digesting siliceous material in a hot alkaline solution, separating undissolved residues from the solution while maintaining the latter at substantially the temperature of digestion, rapidly cooling the solution to a temperature of not more than about 50° C., separating the silica from the solution, treating the silica with sulfuric acid and substantially drying the silica, the amount of acid employed being such that the dried silica contains not less than about 2% and not more than about 12% acid.

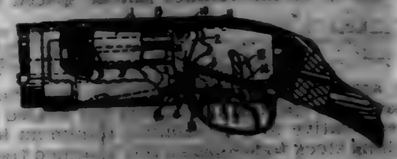
2,027,949
IMAGE SUPPRESSION ARRANGEMENT
Jacob Yellin, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 26, 1933, Serial No. 695,596
4 Claims. (Cl. 250—20)



1. An image suppression circuit for radio receivers of the superheterodyne type comprising in combination, a tunable signal selector circuit having an inductance coil shunted by a variable tuning condenser, an electron discharge tube coupled to the selector circuit so that the signal grid of the tube is effectively connected to a tap on an intermediate point of the inductance coil whereby the coil is divided into two portions, a source of signal energy, means for transferring the signal energy from said source to the selector circuit comprising a high impedance primary coil for magnetically coupling the source to the portion of the tapped coil which is between the tapped point thereof and the low alternating current potential end of the coil and a capacitive coupling means between the signal source and the inductance coil, said magnetic and capacitive coupling being arranged so that substantially no signal voltage is introduced in the other portion of the tapped coil.

2,027,950
GUN
Charles A. Young, Springfield, Ohio
Application January 27, 1932, Serial No. 589,583
5 Claims. (Cl. 42—69)

1. In a gun having a chamber, a spring-pressed movable impact member in said chamber, a movable spring-pressed trigger member partly located in said chamber, a separate sear member in said chamber to hold the impact member cocked operated by said trigger member when pressure is applied thereto, and a detent in said chamber carried by said sear to hold the impact member cocked movable by said trigger to a position to engage the impact member when said



impact member is released by said sear, said detent being moved to disengage said impact member when pressure is released on said trigger member.

2,027,951
RADIO RECEIVING APPARATUS
Johan Willem Alexander, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application February 18, 1931, Serial No. 516,888
In the Netherlands April 8, 1930
5 Claims. (Cl. 250—20)



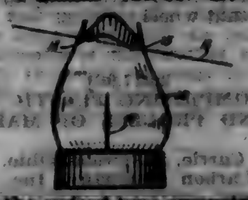
1. In a radio signaling system, an antenna circuit having natural capacity to ground, an amplifier tube comprising an anode, a cathode and at least one grid electrode, a capacity for connecting said antenna to said grid electrode, a connection including a capacity and an impedance for connecting said grid electrode to ground, said three capacities and said impedance forming a balanced bridge circuit, said grid electrode being also connected to ground through the natural capacity of said antenna, a signal input circuit connected between the grid electrode and the cathode and means for connecting the cathode to a point on said impedance such that the signal input circuit is effectively in a diagonal of the balanced bridge circuit.

2,027,952
MAGNETIC COMPASS
Erich Bandely, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application June 6, 1934, Serial No. 729,838
3 Claims. (Cl. 33—223)



1. In a device of the character described, a case having an upstanding rim, a dial member frictionally mounted in said case in spaced parallel relation to the bottom thereof, an index mounted for rotation in said case and having its ends terminating substantially in the principal plane of the dial member, a crystal closing said case, and a bezel integral with said dial member for holding said crystal.

2,027,953
SHOE
Jean W. Barber, St. Davids, and Arnold Bertschi, Oakmont, Pa., assignors to J. Edwards & Co., Philadelphia, Pa., a corporation of Pennsylvania
Application July 27, 1934, Serial No. 737,178
1 Claim. (Cl. 36—45)



A shoe of the oxford type comprising a quarter having a part at the outer side designed to provide the usual snug fit with the foot of a wearer beneath the ankle bone, and a corresponding part at the inner side having its upper edge extending higher than the corresponding edge on the outer side, said inner side having the usual curved formation with the upper edge of the inner side being of a different curvature from the curvature of the upper edge of the outer side to provide a snug fit on the inner side of the foot of the wearer beneath the ankle bone.

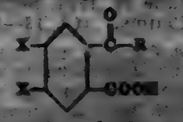
2,027,954
NOZZLE
Sidney Fraser Barclay, Manchester, England, assignor to General Fire Extinguisher Company, Providence, R. I., a corporation of Delaware
Application January 2, 1935, Serial No. 61
In Great Britain January 4, 1934
3 Claims. (Cl. 299—113)



1. A water projector for bombarding inflammable liquid comprising a fixed scroll device providing peripheral passages through which the water is caused to pass and which impart to it a swirling motion and a central hole diverging towards the delivery side of the scroll device for the delivery of a central jet, the latter striking the swirling jets at the throat of a converging nozzle and projecting the water drops with high velocity through said nozzle.

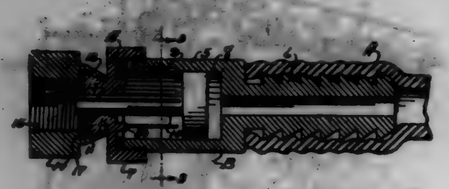
2,027,955
INTERMEDIATES FOR DYES
Ernest George Beckett, Grangemouth, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 14, 1934, Serial No. 739,806. In Great Britain August 18, 1933
6 Claims. (Cl. 260—94)

1. Compounds of the general formula



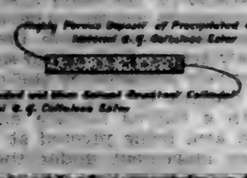
wherein R represents a hydrocarbon radical of the benzene or naphthalene series, one X stands for chlorine and the other X stands for NO_2 or NH_2.

2,027,956
AIR HOSE COUPLING FOR TIRES
Harley G. Bowser, South Bend, Ind.
Application December 18, 1934, Serial No. 758,099
1 Claim. (Cl. 284—18)



A coupling of the character described comprising a body forming a piston chamber having a straight cylindrical wall, a cap fitted with the body and having an external enlargement, a piston movable in the chamber and having peripheral contact with its wall throughout, a longitudinally grooved stem on the piston working through the enlargement, the wall of the chamber being formed with air channels extending for substantially one-half the length of said chamber for cooperation with the grooves in the stem of the piston, an attaching member swiveled to said enlargement and protruded stops on the cap and projecting into the chamber for contact by the piston to provide communication between the grooves in the wall and stem when the piston has moved close to said cap.

2,027,957
STIFFENING MATERIAL
Earle H. Cameron, Caldwell, N. J., assignor to The Celastic Corporation, Wilmington, Del., a corporation of Delaware
Application August 18, 1933, Serial No. 685,909
13 Claims. (Cl. 12—146)

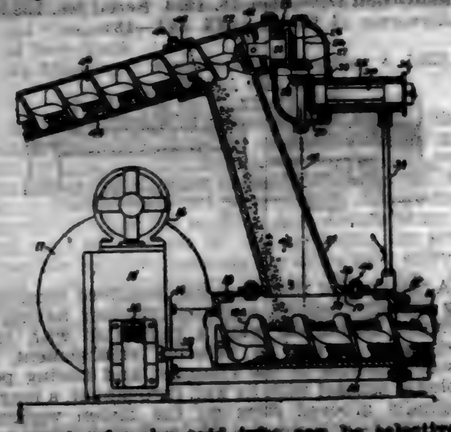


9. A stiffening blank comprising a fabric whose interstices carry cellulosic derivative in precipitated form, the fabric also carrying, distributed uniformly throughout the precipitated derivative, cellulosic derivative in a relatively firmer, harder, colloided, and more solvent-resistant form, said blank being adapted to be treated with a cellulose derivative solvent to soften same, and then shaped and dried in the desired final form.

2,027,958
BIN CONVEYER
Haskell C. Carter, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application September 15, 1934, Serial No. 744,549
4 Claims. (Cl. 198—34)

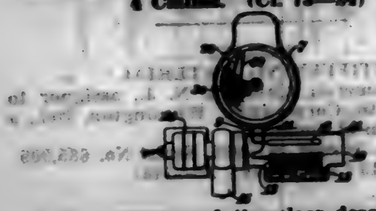
1. A bin conveyer having in combination a trough, an inclined neck mounted over said trough and communicating therewith, a coal feeding worm within said trough, a tube communicating with the upper end of said neck, a worm within said tube, a driving connection on

the upper side of said neck for rotating said last mentioned worm and a hinged joint for said driving connection coaxial with the lower end of



said neck whereby said tube can be selectively fixed with relation to said trough.

2,027,959
HYGROMETRIC APPARATUS
Albert E. Clawson, Springfield, Pa., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application October 10, 1931, Serial No. 568,125
4 Claims. (Cl. 73—24)



1. In apparatus of the class described, a dry element temperature-responsive device and a wet element temperature-responsive device, a cam plate rotatively actuated by one of said devices, a member rotatively actuated by the other of said devices and radially by said cam plate, an arm provided with a curved surface engaging said member, said arm being pivoted at one end for limited rotary movement under the control of said member, and indicating means actuated by said arm.

2,027,960
LANDING GEAR FOR AEROPLANES
William A. Crowley, Philadelphia, Pa.
Application August 15, 1934, Serial No. 739,967
8 Claims. (Cl. 244—8)



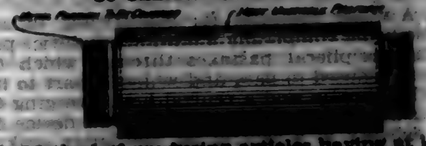
1. In an aeroplane, a fuselage, landing gear comprising a wheel, a pontoon attached to the fuselage and housing the upper portion of said wheel, and a cover member adapted to be held in a position not obstructing engagement of the lower portion of the wheel projecting beneath the pontoon with the ground, said cover member being movable to a position wherein it covers the projecting portion of said wheel and forms with said pontoon a fluid-tight housing completely surrounding said wheel.

2,027,961
ARTICLE COMPRISING PLASTIC COMPOSITIONS AND PROCESS OF MAKING THE SAME
Lauchlin M. Currie, Lakewood, Ohio, assignor to National Carbon Company, Inc., Cleveland, Ohio
Application March 2, 1933, Serial No. 659,457
17 Claims. (Cl. 18—55)



1. Method of making hollow articles having at least a portion thereof composed of a vinyl resin composition which comprises making a hollow preform of a vinyl resin composition, placing said preform within a matrix the interior of which defines the form of said vinyl resin portion of said article, subjecting said preform while heated to fluid pressure applied internally thereto until it assumes the form of said matrix and thereafter maintaining said pressure and subjecting the vinyl resin portion to heat to make it heat stable.

2,027,962
PRODUCTION OF ARTICLES FROM PLASTIC COMPOSITIONS
Lauchlin M. Currie, Lakewood, Ohio, assignor to National Carbon Company, Inc., Cleveland, Ohio
Application March 2, 1933, Serial No. 659,458
30 Claims. (Cl. 18—55)



1. Method of producing articles having at least a portion thereof composed of a plastic composition containing thermoplastic resinous material, which comprises making a preform of said plastic portion and subjecting said preform to heat treatment solely to cause it to alter its physical form and to assume its final shape in said article and to make it heat stable.

2,027,963
APPARATUS FOR PREPARING SYNTHETIC CARBONADO DIAMONDS
Jean Hubert Louis De Boit, East Orange, N. J.
Application June 26, 1934, Serial No. 731,413
7 Claims. (Cl. 12—36)



1. An improved apparatus for use in making synthetic Carbonado diamonds, comprising a

motor having a shaft, a two-part body member mounted on said shaft, said body member being of non-magnetic material, a carbonaceous member disposed between parts of said body member and clamped therein, said carbonaceous member being susceptible of heating by inductive currents, a plurality of crucible members formed in and associated with said carbonaceous heating member and peripherally disposed with respect to the apparatus, and an induction coil disposed externally of the heating member and concentrically therewith whereby to inductively heat the said heating member while the latter is being rotated by the said body member.

2,027,964
FURRIER'S CUTTING TOOL
Ange Cesar Delbos, New York, N. Y.
Application June 14, 1933, Serial No. 675,699
1 Claim. (Cl. 30—6)



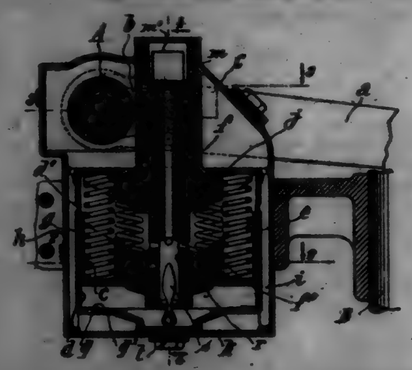
A furrier's cutting tool, comprising a pair of sections of the same general contour, said sections having portions adapted to enclose the upper edge of a cutting blade and extensions at one end of said portions forming a handle, said sections being pivoted together adjacent the outer end of said handle-forming extensions and adapted to be swung about said pivot in substantially parallel planes, one of said sections having a plurality of blade-receiving studs and the other section having apertures adapted to be brought into registration with said studs and thereby assist in retaining the blade in place on said studs, a locking member having at least a part thereof of substantially U-shape pivotally secured to one of the sections and swingable into a position in which the legs of the U-shape portion straddle both sections to hold them together, and a blade held in place on said studs and between the sections and having a pointed piercing end extending beyond the outer end of the blade-enclosing portions of the sections.

2,027,965
METHOD OF DEMULSIFYING THE SEALING OILS OF WATERLESS GASHOLDERS
Hans Dellmann, Mainz, Germany, assignor to Maschinenfabrik Augsburg-Nuernberg A. G., Nuernberg, Germany, a corporation of Germany
No Drawing. Application February 15, 1932, Serial No. 595,234. In Germany February 25, 1931
2 Claims. (Cl. 196—15)

1. A method of removing emulsion-forming impurities, such as dust, metal dust, linseed oil and the like, from already used sealing or packing liquids of waterless gasholders substantially free of sulphonated hydrocarbons, consisting in slightly heating the water-oil emulsion which has formed during use, adding thereto at atmospheric pressure a mixture containing material amounts both of soap and of water-glass, the total amount of soap and water-glass amounting to at least 1% by weight, leaving the mixture to

itself until it has separated into a lower layer of oil and an upper layer of water and impurities, and separating said upper layer from said lower one.

2,027,966
SUSPENSION DEVICE
André Dubonnet, Neuilly, France
Application May 26, 1933, Serial No. 672,986
21 Claims. (Cl. 267—34)



1. In a vehicle including a suspended part, wheels, and axles for said wheels, a suspension device of the type described which comprises in combination, an element pivoted to said suspended part about a vertical axis, an arm carrying a wheel axle and pivoted to said element about an axis parallel to said axle, a plate rigidly fixed to said element, another plate parallel to the first one and vertically movable with respect thereto, a lever pivoted to said element about the same axis as said arm in fixed angular relation to said arm, a vertical rod rigidly fixed to said second plate and operatively connected with said lever so as to cause said second plate to move vertically with respect to said first plate responsive to angular displacements of said lever, and a plurality of springs each interposed between said two members so as to oppose angular displacements of said arm with respect to said element.

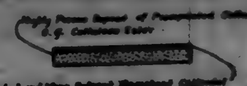
2,027,967
ANTHELMINTIC
William F. Hinsie and Frai Caldwell, Quincy, Ill., assignors to Moorman Manufacturing Company, Quincy, Ill., a corporation of Illinois
No Drawing. Application December 15, 1934, Serial No. 757,823
2 Claims. (Cl. 167—53)

1. An anthelmintic ration of the type described, comprising a quantity of an alimentary product having admixed therewith a small quantity of a fluorine-containing salt of the type operable to supply soluble fluorine in the internal organs of an animal, the quantity of said salt being insufficient substantially to injure the animal.

2,027,968
STIFFENING MATERIAL
Joseph Passoa, Melrose Highlands, Mass., assignor to The Celastic Corporation, Wilmington, Del., a corporation of Delaware
Application August 19, 1933, Serial No. 685,948
10 Claims. (Cl. 15—168)

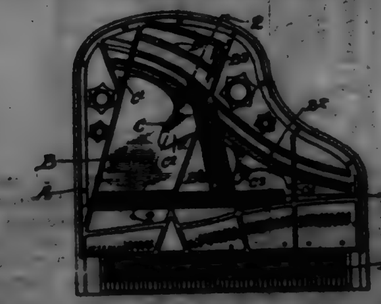
7. A stiffening blank comprising a fabric having a cellulosic derivative in precipitated form

in the interstices thereof on one side and having said cellulosic derivative in a colloided solvent resistant form on the other side, said blank be-



ing adapted to be treated with a cellulosic derivative solvent to soften same, and then shaped and dried in the desired final form.

2,027,969
PIANO SOUNDING BOARD
Hermann Fischer, De Kalb, Ill., assignor to Wurlitzer Grand Piano Company, De Kalb, Ill., a corporation of Illinois
Application September 9, 1933, Serial No. 688,763
3 Claims. (Cl. 84—312)



1. In combination with a piano sounding board, a bridge, wires associated with said bridge and a layer of vibration transmitting material interposed between said bridge and sounding board and firmly secured to said sounding board, both sounding board and layer being of wood, the grain of both extending, in general parallelism, transversely across the wires.

2,027,970
CENTRIFUGAL CLUTCH
Alfred James Gillies, Toronto, Ontario, Canada
Application April 4, 1934, Serial No. 14,579
In Great Britain April 22, 1934
4 Claims. (Cl. 192—105)



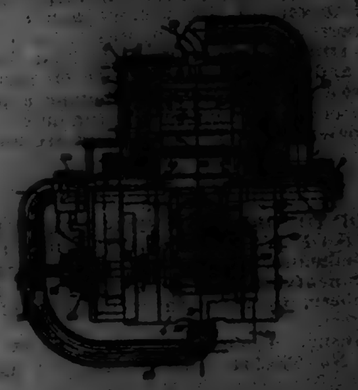
1. A centrifugal clutch comprising a driving member, centrifugal shoes arranged in series side by side and guided on the driving member for radial movement and a driven member having a drum engageable by the shoes characterized in that adjacent shoes have cylindrical holes formed in adjacent sides having their axes at right angles to a plane bisecting the angle between the radial planes of the direction of movement of the adjacent shoes and cylindrical pins are provided engaging in said holes and slidable in one or both of them.

2,027,971
WINDSHIELD WIPING BLADE
Lee R. Godown, Kingman, Kans., assignor of one-fifth to Vern L. Cline, Kingman, Kans.
Application June 9, 1934, Serial No. 729,709
1 Claim. (Cl. 15—250)



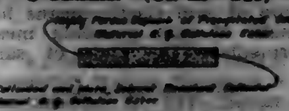
In a windshield wiping blade of the class described, comprising a channel body and means to attach the same to the free end of a reciprocator arm as actuating means for the blade upon a windshield, a fibrous element with rubber sides, a marginal edge of which is clamped within the channel slantingly with respect to the channel longitudinally, providing an open space between the element and channel converging downward and closing a spaced distance from the lower end of the channel substantially as shown.

2,027,972
INTERNAL COMBUSTION ENGINE
John Heller and Lucile A. Lee, Detroit, Mich.
Application July 25, 1933, Serial No. 681,843
4 Claims. (Cl. 123—58)



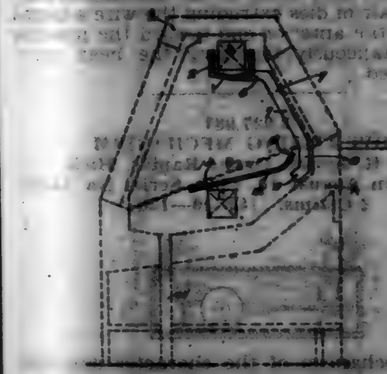
2. In a rotary internal combustion engine, a stator, a rotor, a series of blades carried by the rotor, a pair of guide arms flexibly connected with each end of each blade, a pair of cams at each end of each blade, a roller rotatably mounted in the end of each guide arm and riding on its respective cam, the arrangement being such that during rotation of the rotor the rollers on the arms traverse the respective cams to limit the upper edge of the blade to travel in contact with the inner face of the stator.

2,027,973
STIFFENING MATERIAL
Russell Hamilton, Bloomfield, N. J., assignor to The Celastic Corporation, Wilmington, Del., a corporation of Delaware
Application August 10, 1933, Serial No. 685,910
3 Claims. (Cl. 12—146)



1. Method comprising impregnating a fabric throughout with a cellulose derivative solution, passing the fabric without drying into a precipitating bath, the solvent-liquid content of said solution and said precipitating bath being at least partially immiscible and the fabric being subjected to said precipitating bath for a period of time only sufficient to precipitate part of the cellulose derivative, drying said impregnated fabric, and thereafter treating said fabric with a cellulose derivative solvent to soften it, shaping it, and allowing it to dry in the desired final form.

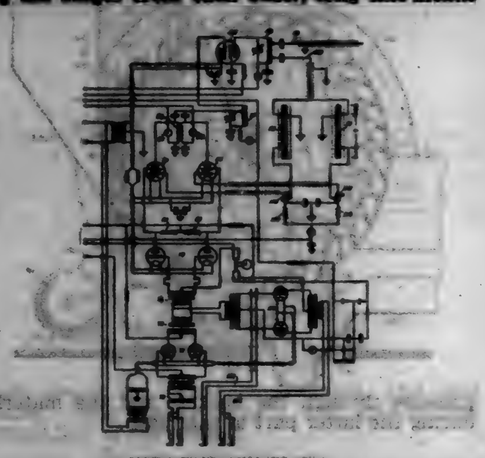
2,027,974
AIR CIRCULATING MECHANISM FOR REFRIGERATED CASES
Herbert J. Hankin and James J. Hankin, Cleveland, Ohio
Application July 2, 1932, Serial No. 620,858
Renewed June 12, 1935
3 Claims. (Cl. 62—89.5)



1. In a refrigerated chamber having a refrigerating coil in the upper part thereof, a receptacle like body designed to partly surround and extend beneath the coil, an area member of tubular formation having one end opening through the bottom of said body into the interior thereof and having its other end formed in and discharging into the lower part of the chamber, said area being designed to circulate cold air from the body to the lower part of the chamber and having its lower end formed to direct the cold air forwardly in the chamber, and a baffle plate overlying the forwardly directed end of said area.

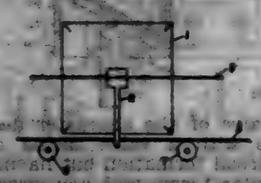
2,027,975
FREQUENCY MODULATION
Clarence Weston Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 25, 1930, Serial No. 463,614
23 Claims. (Cl. 179—171)

6. In radio signaling apparatus a transmitter comprising a plurality of high frequency stages, each stage comprising an electron discharge device having a pair of grids, means for shielding the input and output circuit of each electron discharge device from each other, means for shielding the stages from each other, long line means



for establishing high frequency feed back from one stage to another stage, and means for applying modulating energy to one of the grids of an electron discharge device in one of said stages.

2,027,976
PROCESS FOR TREATING MATERIALS ELECTROSTATICALLY
Thomas J. Headley, New Brunswick, N. J., assignor to Endowment Foundation, New Brunswick, N. J., a corporation of New Jersey
Application March 17, 1933, Serial No. 661,294
8 Claims. (Cl. 175—311)

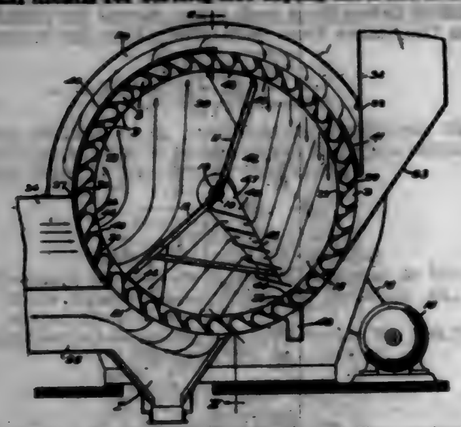


1. The process of treating plant-products which consists in passing said products along on a conveyor and at the same time subjecting the products to an electrostatic field established between suitable electrodes by a source of energy having a frequency preferably not less than 1,000,000 cycles, and a voltage preferably of the order of 4,000 volts per linear inch between said electrodes, the speed of movement through said field being such that the plant products being treated are not injured, while the insects or the like infesting said products are killed.

2,027,977
DRIER
Henry F. Hebley and Klaus Prinz, Chicago, Ill.
Application August 9, 1933, Serial No. 684,306
5 Claims. (Cl. 34—4)

1. In apparatus of the class described, the combination of a rotary drum having peripheral depressions forming buckets for receiving the material to be dried, means for feeding material to the buckets, means for rotating said drum to carry the filled buckets through a fixed path, means for applying pressure to the material

in said drums during the first part of said path whereby to squeeze moisture out of the material, and means for forcing hot drying medium under



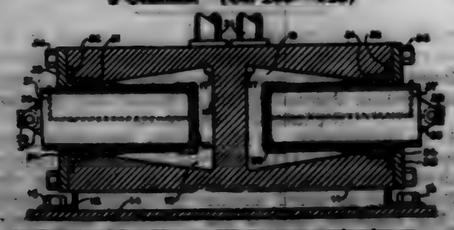
pressure through the buckets and the material during the latter part of said path.

2,027,978
VALVE
Joseph B. Holt, Philadelphia, Pa.
Application May 25, 1935, Serial No. 22,426
6 Claims. (Cl. 251—11)



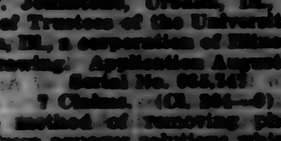
1. In a valve of the character described, the combination with a valve casing of substantially cylindrical formation but having a portion of non-circular form, said non-circular portion being defined by a pair of spaced parallel flats formed in the casing of a valve member conforming to the shape of the cross-section of the casing and pivotally mounted between the flats.

2,027,979
BOOT PUMP
Robert K. Hopkins, New York, N. Y., assignor to M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application July 14, 1934, Serial No. 735,187
5 Claims. (Cl. 103—148)



1. In combination with a pump body, a pump chamber formed in said body, fluid inlet means communicating with said chamber, fluid outlet means communicating with said chamber, pumping means movable in said chamber, and elastic means fastened to said body and extending into said chamber adapted to surround said pumping means, said elastic means being of substantial thickness intermediate the ends thereof whereby the distortion of said elastic means incident to the movement of said pumping means takes place intermediate the ends of said elastic means.

2,027,980
MANUFACTURE OF SCREWS AND BOLTS
William H. Horton, Sewickley, Pa., assignor to Pittsburgh Screw & Bolt Corporation, a corporation of Pennsylvania
Application August 28, 1933, Serial No. 686,155
1 Claim. (Cl. 10—27)



The method herein described of producing a headed blank for screw and bolt manufacture from a length of wire which consists in, first, extruding the wire from the anterior end thereof toward the posterior to reduced diameter and increased length, second, restricting the next operation to the spreading the substance of the wire at the unswaged posterior end thereof to form a head, and, third, in the continuous traverse of a pair of dies extruding the wire a second time from the anterior end toward the posterior and simultaneously trimming the head previously formed.

2,027,981
ADVERTISING MECHANISM
Fred H. Jensen, Grand Rapids, Mich.
Application August 14, 1935, Serial No. 35,576
3 Claims. (Cl. 40—130)



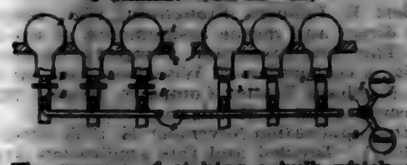
1. In mechanism of the character described: a platform having outwardly extending flexible bristles, a belt beneath the platform movable in a direction parallel therewith; devices above the platform having downwardly extending members, some of said members being fastened on the belt for circuitously traveling the devices by the belt and some of said members being vibratile and frictionally engaging the bristles in the movement of the belt to vibrate the devices.

2,027,982
PROCESS FOR REMOVING CATALYSES INHIBITORS FROM AQUEOUS SOLUTIONS
Henry F. Johnstone, Urbana, Ill., assignor to Board of Trustees of the University of Illinois, Urbana, Ill., a corporation of Illinois
No Drawing. Application August 16, 1933, Serial No. 685,547
7 Claims. (Cl. 204—6)

1. The method of removing phenolic compounds from aqueous solutions which comprises subjecting the solutions to direct current electrolysis, simultaneously aerating said solutions

controlling the anodic current density in accordance with the character of the phenolic compounds to completely remove said compounds by oxidation from said solutions, and controlling the rate of flow of said solutions in accordance with the concentration of said compounds.

2,027,983
ELECTRIC LAMP BULB
Frederick Kallus, Hoboken, N. J.
Application January 27, 1933, Serial No. 653,845
3 Claims. (Cl. 41—42)



3. The process of etching a bulb which comprises subjecting the same to an etching fluid and then without washing, immediately subjecting the same to the action of a limited quantity of steam and then after an interval of time, washing out the bulb by flooding with an additional quantity of steam.

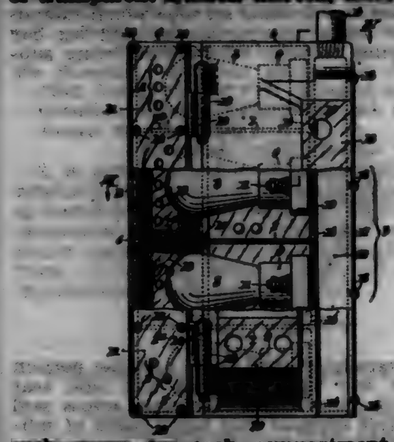
2,027,984
COLLAPSIBLE SHADE TENT
Stanley E. Kapp, New York, N. Y.
Application May 6, 1935, Serial No. 19,751
4 Claims. (Cl. 135—7.1)



1. A supporting frame for a booth, comprising a cross bar, a pair of secondary bars pivotally connected to the cross bar at approximately the center thereof, legs pivotally connected to the said bars, means for releasably locking the said bars in extended position, and means for releasably locking the legs in extended position.

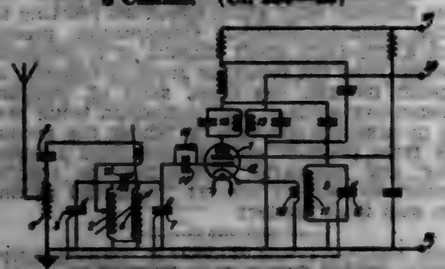
2,027,985
SIGNAL INDICATOR FOR RAILROAD VEHICLES
John A. C. King, Lansdowne, Pa.
Application February 23, 1934, Serial No. 712,583
3 Claims. (Cl. 246—131)

1. In a railroad vehicle, a signal indicator comprising an integrally cast casing divided by horizontal partitions into a series of compartments, a lamp positioned within each compartment, and a hinged V-shaped cover thereon pointing rearwardly and divided by horizontal partitions into a corresponding series of compartments, each side of said cover having groups of transparent symbols thereon, there being one



such group for each compartment, and said casing being disposed near the longitudinal center line of the vehicle.

2,027,986
SUPERHETERODYNE RECEIVER
Rupert L. Kinnear, London, England, assignor to Electric & Musical Industries, Ltd., Hayes, Middlesex, England, a corporation of Great Britain
Application November 15, 1933, Serial No. 697,393
In Great Britain December 19, 1932
8 Claims. (Cl. 250—20)



1. A supersonic heterodyne wireless receiver comprising an input circuit, a second circuit and a coupling between these circuits such that oscillations are transferred from said input circuit to said second circuit, at least one of said circuits being tunable to the frequency of a wanted oscillation, auxiliary coupling means between said circuits comprising an inductive coupling and a capacitive coupling said auxiliary coupling means acting to transfer energy from the input circuit to the second circuit in phase opposition with respect to the energy transferred by the first named coupling and of such intensity to substantially buck out unwanted oscillations transferred from the input circuit to the second circuit through the first named coupling.

2,027,987
UNDERGARMENT
Arthur M. Ross, New York, N. Y.
Application May 14, 1932, Serial No. 611,463
2 Claims. (Cl. 2—244)

1. In an undergarment, a blank of knitted material having wales extending longitudinally thereof and forming a front portion, a crotch portion and a seat portion, a substantially half-

heart shaped leg bay in each side of said blank, the rounded end of each leg bay being in said front portion and defining an edge which extends across said wales, the portion of said leg bay which extends through said crotch being substantially parallel to said wales and the portion of said leg bay which extends into said seat being slightly curved and extending across said wales, the side edges of said blank being of substantially equal length and being stitched together to form leg openings.



2,027,983

PROCESS OF PREPARING ODORLESS SYNTHETIC RESINOUS PRODUCTS

Gustave E. Lamb, Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware

No Drawing. Application February 16, 1934, Serial No. 711,618

4 Claims. (Cl. 260—4)

1. The process of making an infusible, insoluble phenolic-aldehyde resinous product free from phenolic odor which comprises reacting the initial phenolic-aldehyde condensation product with a relatively small amount of a compound selected from the following group:—halogen, inorganic halogen oxy-acids, salts of inorganic halogen oxy-acids—, said compound being present in sufficient amounts to render the product free from phenolic odor in the final, infusible state, and thereafter subjecting the reaction product to heat to convert the initial product into said final product.

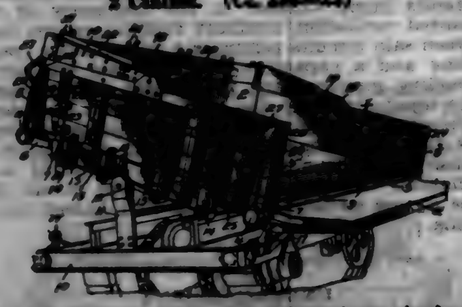
2,027,989

DUMP BODY FOR VEHICLES

Holman Harry Linn, Morris, N. Y., assignor to The Linn Manufacturing Corporation, Morris, N. Y., a corporation of New York

Application September 28, 1931, Serial No. 565,114

2 Claims. (Cl. 298—22)



1. A dump body having side gates swingingly connected thereto, arms carried by and movable with the side gates, a cable connecting the arms at the smaller ends of opposing side gates, a fixed element cooperating with the cable to move the arms to a predetermined position for the closing of a side gate when the body is returned to normal position and freeing the cable to permit the arms to move with the selected side gate for opening the side gate, and spring-pressed bars underlying and engaged by the arms in their movement to inoperative position, said bars serving to cushion such arms movement and to assist movement of the arms in the opposite direction on slackening of the cable.

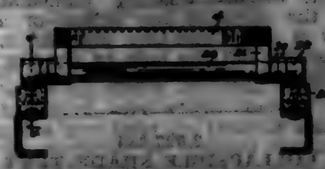
2,027,990

FLEXIBLE AND RESILIENT VEHICLE COUPLING

Lubbert E. Lubbers, Stoughton, Wis., assignor, by direct and mesne assignments, of one-half to The New Stoughton Company, Stoughton, Wis., a corporation of Wisconsin, and one-half to Fruehauf Trailer Company, Detroit, Mich., a corporation of Michigan

Original application November 24, 1933, Serial No. 699,611. Divided and this application August 9, 1934, Serial No. 739,161

10 Claims. (Cl. 280—33.1)



1. The combination with a tractor and semi-trailer having cooperating fifth wheel members for establishing an articulated connection, of pivotally mounted supporting devices on a fifth wheel member by which it is supported on one vehicle, and means connecting said vehicle to the pivotally mounted devices including rubber elements for insulating metal to metal contact between said devices and said vehicle and bodily movable with the vehicle.

2,027,991

ESTERS OF ETHERIFIED GLYCOLLIC ACIDS

Wolfgang Libbert and Ernst Ludwig Müller, Duesseldorf, Germany, assignors to Henkel & Cie. G. m. b. H., Duesseldorf, Germany

No Drawing. Application November 20, 1931, Serial No. 575,011. In Germany December 5, 1931

7 Claims. (Cl. 260—103)

1. The esters having the general formula $R^1XCH_2COOR^2$ where X signifies a divalent non-metallic atom of the group consisting of oxygen and sulphur, R^1 represents a member selected from the group consisting of the hydroxyethyl-radical, the phenyl-radical and the carboxy-methyl-radical, and R^2 signifies an alkyl radical having at least 2 carbon atoms.

2,027,992

COLLAPSIBLE PARTITION

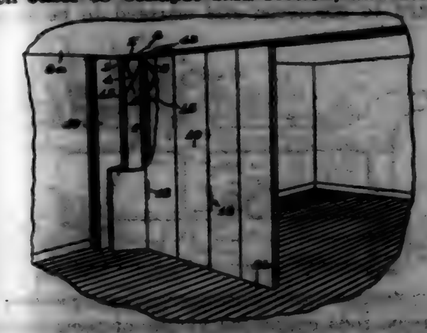
Herman W. Mesner, Cleveland Heights, Ohio

Application October 31, 1930, Serial No. 492,481

Renewed July 3, 1935

10 Claims. (Cl. 20—4)

1. In a foldable partition, a plurality of collapsible partition sections, each including a pair of vertical columns held against movement transversely of said partition, said columns being movable toward each other, a pair of panels for each side of said section normally lying in the same plane, each pair of panels being hingedly connected, one panel of each pair being hinged to one of said columns and the other panel of each pair being hinged to the other of said columns, whereby when said pairs of panels are swung outwardly and the panels of each pair are swung toward each other said columns are moved toward each other to collapse said section, and means releasably engaged with said panels to normally prevent swinging movement thereof and to hold each pair in the same plane, and means to release said first mentioned means from engagement with said panels.



2,027,993

DEVICE FOR CUTTING ICE CUBES

John E. Mathews, Middletown, Ohio

Application February 7, 1933, Serial No. 5,466

3 Claims. (Cl. 312—31)



2. An ice cutter, including a casing formed of a rectangular frame formed of tubular members and a plurality of hollow transverse bars of substantially the same diameter as said members, a resistance wire extending through said casing and said hollow bars, said wire being so arranged that there will be two runs extending through each part of the casing and each part of each of said bars, an insulation surrounding said wire, and means for supplying electrical energy to said wire.

2,027,994

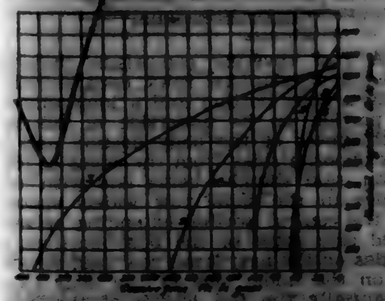
MAGNET STEEL CONTAINING NICKEL AND ALUMINUM

Tokushichi Mishima, Ochini-machi, Toyotama-geri, Tokyo, Japan

Application January 20, 1932, Serial No. 587,522

In Japan March 9, 1931

4 Claims. (Cl. 175—21)



2. A permanent magnet comprising 5 to 40% nickel, 7 to 20% aluminum and the remainder substantially iron.

2,027,995

STRONG PERMANENT MAGNET WITH TUNGSTEN, MOLYBDENUM, OR CHROMIUM

Tokushichi Mishima, Ochini-machi, Toyotama-geri, Tokyo, Japan

No Drawing. Original application January 20, 1932, Serial No. 587,522. Divided and this application May 31, 1933, Serial No. 673,795. In Japan March 9, 1931

8 Claims. (Cl. 175—21)

2. A permanent magnet comprising main and auxiliary elements, the main elements consisting of nickel 5 to 40%, aluminum 7 to 20% and the remainder substantially iron; the auxiliary elements consisting of one of the metals chromium from 1.0 to 5%, tungsten from 0.5 to 8% and molybdenum from trace to 10%.

2,027,996

STRONG PERMANENT MAGNET WITH COBALT

Tokushichi Mishima, Ochini-machi, Toyotama-geri, Tokyo, Japan

No Drawing. Original application January 20, 1932, Serial No. 587,522. Divided and this application May 31, 1933, Serial No. 673,795. In Japan August 27, 1931

4 Claims. (Cl. 175—21)

2. A permanent magnet comprising 5 to 40% nickel, 7 to 20% aluminum, 0.5 to 30% cobalt and the remainder substantially iron.

2,027,997

PERMANENT MAGNET CONTAINING COPPER

Tokushichi Mishima, Yodobashi-ku, Tokyo, Japan

No Drawing. Original application January 20, 1932, Serial No. 587,522. Divided and this application March 4, 1935, Serial No. 9,695. In Japan March 9, 1931

4 Claims. (Cl. 175—21)

2. A permanent magnet comprising 5 to 40% nickel, 7 to 20% aluminum, from trace to 20% copper and the remainder substantially iron.

2,027,998

PERMANENT MAGNET CONTAINING NICKEL, ALUMINUM, COBALT, AND CHROMIUM

Tokushichi Mishima, Yodobashi-ku, Tokyo, Japan

No Drawing. Original application January 20, 1932, Serial No. 587,522. Divided and this application August 7, 1935, Serial No. 35,397. In Japan August 27, 1931

4 Claims. (Cl. 175—21)

2. A permanent magnet comprising 5 to 40% nickel, 7 to 20% aluminum, 0.5 to 30% cobalt, 1 to 5% chromium and the remainder substantially iron.

2,027,999

PERMANENT MAGNET CONTAINING NICKEL, ALUMINUM, AND MANGANESE

Tokushichi Mishima, Yodobashi-ku, Tokyo, Japan

No Drawing. Original application January 20, 1932, Serial No. 587,522. Divided and this application August 7, 1935, Serial No. 35,398. In Japan August 27, 1931

4 Claims. (Cl. 175—21)

3. A permanent magnet comprising 5 to 40% nickel, 7 to 20% aluminum, 0.5 to 10% manganese and the remainder substantially iron.

2,022,690
PERMANENT MAGNET CONTAINING NICKEL, ALUMINUM, AND VANADIUM
Tokuhichi Mishima, Yodobashi-ku, Tokyo, Japan
No Drawing. Original application January 20, 1933, Serial No. 652,822. Divided and this application August 7, 1935, Serial No. 35,200. In Japan August 27, 1931
4 Claims. (Cl. 175—31)

2. A permanent magnet comprising 5 to 40% nickel, 7 to 20% aluminum, from trace to 10% vanadium, and the remainder substantially iron.

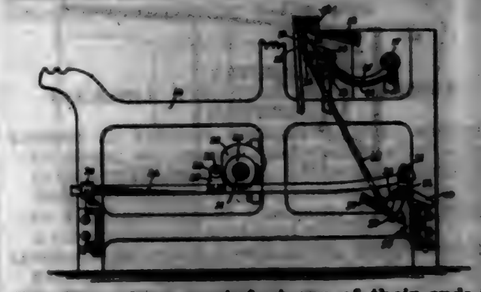
2,022,691
CULTIVATING TOOL
John Moran, Long Island, N. Y.
Application July 16, 1935, Serial No. 30,720
1 Claim. (Cl. 97—43)



In a cultivating tool, a cross head of square cross section having squared front, bottom, top and rear faces, a set of equally spaced pointed tines integral at their upper ends with the lower face and flush with the front and rear faces of the cross head, the outer tines of said set being arranged inwardly adjacent to the ends of said cross head, said tines extending rearwardly with respect to said cross head and having the front and back thereof respectively upon irregular convex and concave curves whereby the body of the tines will gradually decrease in cross sectional area from their upper to their lower ends, said tines having their upper terminal portions laterally flared sidewise in a direction lengthwise with respect to the lower face of the cross head and of rectangular contour in cross section, said tines having their remaining portions of substantially oval contour in cross section gradually decreasing in width and breadth to their lower ends, and a handle connecting shank including an upstanding rearwardly directed curved forward end part terminating in a downwardly extending rearwardly directed part of compound curvature merging into a rearwardly directed upwardly inclined squared portion having a pointed end, the lower end of said forward end part being integral with the top of the cross head at the transverse center of the latter.

2,022,692
LOOM
Anthony M. Muldoon, Englishtown, N. J.
Application July 17, 1935, Serial No. 31,781
2 Claims. (Cl. 139—7)

1. In a loom for making tuft pile fabrics having the tuft bights visible at the rear of the fabric, a drive shaft, a comb, a plate positioned adjacent the comb and having its upper edge normally protruding above the top edge of the comb for positioning the tuft bights, said plate being adapted to be moved by engagement with the warp threads of the fabric so that its upper edge is moved down even with the upper edge of the comb, springs for normally urging said plate to its uppermost position when it rides free of the warps, and mechanism for moving said plate against the action of said springs and independently of the warp threads when it rides free of the latter so that its upper edge is below the upper edge of the comb, said mechanism comprising a lever operatively connected to the drive shaft, another shaft connected to the lever and adapted to be rocked



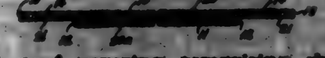
thereby, rods connected at one of their ends to said latter shaft and their other ends fastened to the plate whereby movement of the lever is communicated to the plate, said latter movement being timed to occur after the plate has moved free of the warps.

2,022,693
VEHICLE TIRE
Arthur H. Nellen, Merion, Pa., assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa., a corporation of New York
Application March 21, 1935, Serial No. 12,131
10 Claims. (Cl. 152—11)



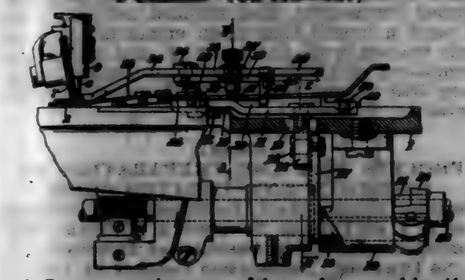
1. A cord fabric carcass ply for pneumatic tires fabricated of cords of 3/3 construction having a twist not less than 19—9, a gauge not exceeding 0.032 inch and a maximum permissible elongation of 11 percent subsequent to the application of a 2 pound load thereto when tested bone-dry and before impregnating or coating the cord with rubber compound.

2,022,694
ROOF COVERING
Harry T. Nichols, Bridgeport, Conn.
Application February 12, 1931, Serial No. 515,281
9 Claims. (Cl. 189—3)



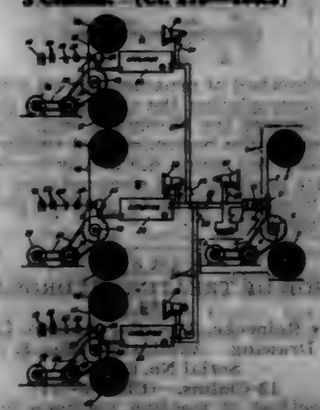
1. A roof covering comprising shingles arranged in overlapping rows, each shingle comprising a body portion and a longitudinal central portion on its underside of substantially the thickness of the body portion and spaced at its opposite sides from the edges of the body portion, said shingles being laid with adjacent shingles in the same row widely spaced and with the central portion extending between the spaced side edges of the body portions of the shingles on the next lower row, said central portion on the under side of the body extending substantially the full length of the body and formed as an integral part of the body so that the body and this portion are mounted as a unit by the single operation of mounting the body.

2,022,695
SEWING MACHINE
Henry C. Mason, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 27, 1933, Serial No. 667,519
5 Claims. (Cl. 112—127)



1. In a sewing machine, in combination, stitch-forming mechanism, trimmer mechanism including a work-severing knife adapted to be shifted into and out of operative position, an edge-guide for directing work past said stitch-forming mechanism, edge-guide supporting means providing for shifting said edge-guide into and out of operative position relatively to said knife, and means for releasably coupling said edge-guide and knife for simultaneous movement thereof out of operative position.

2,022,696
PHOTOGRAPHIC SOUND RECORDING APPARATUS
Freeman H. Owens, New York, N. Y.
Application July 9, 1930, Serial No. 466,728
3 Claims. (Cl. 179—100.3)



1. A photographic sound recording apparatus, comprising in combination, means for supporting a traveling sensitized film, a plurality of individual sound record translating units, means for simultaneously combining the translated sound from all of said units and re-recording the same as a single composite sound record on said sensitized film, and means for rendering said translated sounds from each of said units audible at the time of such re-recording.

2,022,697
SANITARY GIRDLE
Cecil E. Percival, Vancouver, British Columbia, Canada
Application December 22, 1933, Serial No. 703,502
3 Claims. (Cl. 128—239)

1. A sanitary and hygienic girdle of the kind described composed of a section of sheet material and comprising a girdle, said girdle having a waist-band, buttock and pelvis shields integral with said waist-band, a pad retaining member intermediate of said shields and integral therewith, said pad retaining member having flared ends and a tapering centre portion, loops located



at each end of said pad retaining member, shoulders located under said loops, said shoulders each comprising a restriction within said loops adapted to hold and prevent a pad positioned under said loops from creeping and crawling thereunder.

2,022,698
APPARATUS FOR CONTINUOUS MACHINING OF WORK-PIECES AND PARTICULARLY IN HOUSINGS FOR AXIAL BEARINGS OF REAR VEHICLES
Walter Feyinghaus, Egge, near Volmarstein-on-the-Ruhr, Germany
Application August 4, 1932, Serial No. 627,476
In Germany August 19, 1931
9 Claims. (Cl. 29—33)



1. Apparatus for the continuous machining of work pieces, in particular the housings for axle bearings of rail vehicles, comprising in combination working machines for the faces of the work piece to be treated, a main table, said working machines arranged behind each other along the said main table, a travelling table on said main table according to the work pieces to be treated simultaneously at a working station, operative means between main table and travelling table for facilitating the travel of the travelling table on the main table, clamping devices for the work pieces on the said travelling table adapted for the faces of the work pieces to be treated by the working machines, each working station having a clamping table on said longitudinal table, said clamping tables being designed in the form of a support for machine tools and adjustably arranged to move only under sliding friction, said clamping tables adapted for receiving the travelling tables at the working stations, means for rigidly securing together the travelling and clamping tables at the working stations.

2,022,699
ELECTRIC OUTLET
Oliver N. Plante, Worcester, Mass.
Application November 1, 1933, Serial No. 696,235
1 Claim. (Cl. 173—330)



In an electric outlet, the combination of a bracket, a block of insulating material therein

comprising a hollow cylindrical outer member and a central solid inner cylindrical member spaced therefrom, an insulating cap at one end of the block covering one end of each cylindrical member to separate any metallic parts therein from the bracket, said block being provided with two concentric registering substantially semicircular grooves extending in from its outer face between said two members for receiving the flat tangential prongs of an electric plug at any point around said grooves, means integrally connecting the inner and outer cylindrical members and separating the grooves and having spaces at the end of said grooves, a substantially semicircular conically concave spring metallic contactor member on each side of the inner cylindrical member in said spaces, extending from end to end of the block and engaging the central cylindrical member at one end thereof only, and means for fastening the cap and insulating block together, comprising an assembly nut, and a screw for entering the nut, said block being provided with shoulders for receiving said nut and holding it against the action of the screw.

2,028,011

SOCKET DEVICE

Alfred Pleger, Oak Park, Ill., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware

Application October 23, 1931, Serial No. 570,013

4 Claims. (Cl. 173—328)



1. In a socket device for radio tubes or the like, an insulating base having an opening for the reception of a contact prong, and a socket element attached to said base in cooperative relation with said opening, said socket element being formed of resilient sheet metal, and having a seat portion attached to said base, a contact portion extending from said seat portion at an angle thereto into the path of said prong, resilient contact means carried by and projecting from said contact portion, and a rigid stop arm extending obliquely from one of said portions toward the other of said portions and forming with said portions a generally triangular formation, said stop arm being rigid throughout and serving as a brace to limit positively movement of said contact portion.

2,028,011

SAFETY RAZOR HANDLE

John D. Raymond, Detroit, Mich., assignor of one-third to James Halpin, Detroit, Mich.

Application August 21, 1933, Serial No. 685,991

1 Claim. (Cl. 30—35)



A safety razor handle of the class described comprising: a pair of rigid and axially aligned end sections, the adjacent ends of said sections being formed to provide cup-shaped formations, an axial prong projecting outwardly from the base of each of said cup-shaped formations, and a flexible rubber section of the same diameter as said end sections and having its ends cut away to provide reduced portions thereat with shoulders at the inner ends thereof, said reduced portions being of a size to permit a snug engagement in said cup-shaped formations, said prongs projecting axially into the ends of said reduced portions to spread the same and insure a frictional engagement with the walls of said cup-shaped formations, said reduced portions being of such a length that upon engagement of the ends thereof with the bases of said cup-shaped formations, the edges of said cup-shaped formations will engage said shoulders on said rubber sections.

2,028,012

PROCESS FOR THE PREPARATION OF ESTERS OF UNSATURATED ACIDS

Ebenezer Emmet Reid, Baltimore, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 21, 1933, Serial No. 694,569

15 Claims. (Cl. 260—126)

1. A process for the preparation of an ester of methacrylic acid which comprises reacting phosgene and propylene in the presence of a condensation catalyst, esterifying the resulting betachlorisobutyryl chloride, and subsequently dehydrohalogenating the esterified and halogenated isobutyrate to give an ester of methacrylic acid.

2,028,013

ORNAMENTATION

Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts

Application March 11, 1935, Serial No. 10,551

4 Claims. (Cl. 41—12)



1. The method of ornamenting an article comprising electroplating the article with chromium, cutting through the chromium with a mechanical cutter in lines beginning and ending straight and parallel but being differently curved at intermediate portions, and electroplating with gold the cut lines only so as to produce an effect of varying elevation.

2,028,015

METHOD OF TREATING HYDROCARBON FUELS

Henry Reinecke, Toronto, Ontario, Canada

No Drawing. Application May 8, 1933, Serial No. 669,909

12 Claims. (Cl. 204—21)

1. A method of treating methane to produce hydrocarbon gases more easily liquefied which comprises the following steps, passing the methane, at sub-atmospheric pressure, through a reaction tube; and maintaining a silent electric discharge through the gas as it passes through the tube, the rate of flow being such that the contact of the molecules of the gas and the electric field is less than .03 of a second.

2,028,016

RESILIENT WHEEL AND METHOD OF MAKING THE SAME

Henry F. Schlegel, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application November 25, 1932, Serial No. 643,196

2 Claims. (Cl. 295—11)

1. A wheel comprising a rim structure, a wheel structure in interrelated relation with said rim structure, bodies of rubber between said structures, and means comprising a snap ring for holding said structures in association with the



rubber bodies held compressed between them a determinate amount in the axial direction, the snap ring having a beveled surface engaging a corresponding surface on the rim structure.

2,028,016

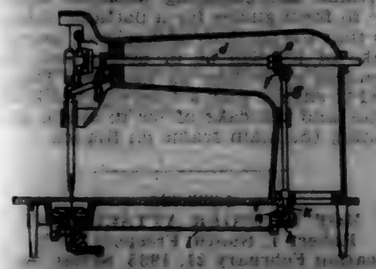
SEWING MACHINE

Curt Wilhelm Schweiger, Munich, Germany

Application November 23, 1933, Serial No. 703,103

In Germany September 19, 1933

1 Claim. (Cl. 112—154)



In a combination trimming and zigzag sewing machine with a ring looper oscillating in the horizontal plane, a needle bar moving transversely to the sewing direction in zigzag work, a swinging frame for said needle bar, and a looper disposed in front of the needle and being coaxial with said swinging frame, the point of said looper engaging the needle thread loop behind the needle.

2,028,017

CHROMITE MATERIAL AND METHOD OF MAKING THE SAME

Gilbert E. Bell, Conshohocken, Pa., assignor to E. J. Lavino and Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application May 27, 1931, Serial No. 540,495

19 Claims. (Cl. 106—9)

1. The process of making recrystallized chromite, having the gangue disseminated over the surfaces of the chromite crystals, from natural chrome ore which comprises heating natural chrome ore at a temperature above the recrystallization point of the chromite without fusion thereof to bring the ore, including the gangue, into physical and chemical equilibrium at said temperature and to distribute the gangue so that at no place in there a concentration of gangue present; and thereafter cooling said heated ore.

2,028,018

CHROMITE REFRACTORY MATERIALS

Gilbert E. Bell, Conshohocken, Pa., assignor to E. J. Lavino and Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application October 28, 1932, Serial No. 640,899

8 Claims. (Cl. 106—9)

1. A burned refractory material consisting substantially of undecomposed chromite spinel with magnesium silicate compounds in the form of forsterite.

2,028,019

SUBSTRUCTURE FOR OIL WELL DERRICKS

Samuel B. Sedlik and Herbert A. Johnson, Parkersburg, W. Va., assignors to The Parkersburg Rig & Reel Company, Parkersburg, W. Va., a corporation of West Virginia

Application September 12, 1935, Serial No. 40,332

15 Claims. (Cl. 189—21)



1. A substructure for derricks comprising a polygonal frame including a corner column at each corner thereof, each column having a flat portion arranged in a vertical plane substantially bi-secting the angle of the associated corner of said frame, and means for rigidly supporting the lower end of a derrick leg over and with respect to the upper end of each corner column.

2,028,020

HOOK FASTENER

Charles L. Sheldon, Watertown, Mass., assignor to Heel Rubber Company, Inc., Watertown, Mass., a corporation of Delaware

Application December 5, 1934, Serial No. 756,079

2 Claims. (Cl. 24—226)



1. A catch for engaging a hook fastener, said catch comprising a single piece of metal formed to provide a flat base member, a hook-engaging loop member extending along said base and spaced therefrom, and a lug formed on one of said members and extending toward the other and impinging therewith for holding said members in spaced relation said base member being directly beneath said loop member so as to be concealed thereby.

2,028,021

MOLDING DEVICE

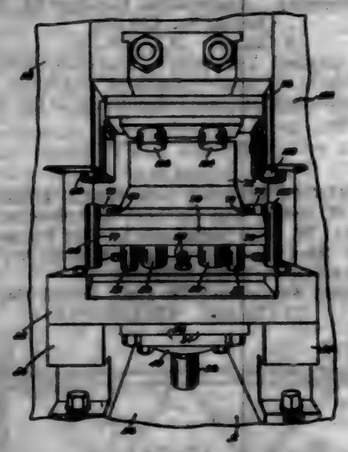
Lee C. Shippy, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 19, 1933, Serial No. 685,526

4 Claims. (Cl. 18—16)

1. A device for forming powdered material into blanks comprising, in combination, a mold member having an aperture; a stationary ram extending partly into said aperture; a shaft; a

crank arm on said shaft; a second ram moved by said crank arm toward and into said aperture; a piston under constant fluid pressure urging the mold member toward the movable ram; a stop preventing such movement of the



mold member when the latter attains a certain position relative to the stationary ram; a cam on said shaft; and a cam follower cooperating therewith for moving the mold member away from the movable ram thereby exposing the formed blank.

2,028,022
CUTTING AND SHAVING DEVICE
Henry Siemiatki, Jersey City, N. J.
Application February 11, 1935, Serial No. 6,852
16 Claims. (Cl. 30—31)



1. A device of the class described, comprising a holder terminating in a head shaped and sized to conform to predetermined characteristics of a cavity of the human body, whereby it may enter completely within such cavity and a cutting blade carried by said head, said head comprising a fluted portion converging from a point adjacent the blade into said holder, and a blade clamping screw threaded into said head.

2,028,023
ICE HANDLING TRUCK
Charles A. Smith, Wellsville, Kans.
Application November 1, 1934, Serial No. 751,959
1 Claim. (Cl. 280—56)



A truck for handling blocks of ice comprising a skeleton bed including side, end, transverse and longitudinal members, said side and end members secured together at the front end of the bed and the side members terminating in handles beyond the rear end of the bed, certain of said transverse members extending beyond the side members and bent to provide upstanding projections, a shoe arranged at the front end of the bed and including a transverse wall and short longitudinal walls secured to the projections of one of the transverse members, pairs of legs secured to the side members, an axle secured to one pair of legs, wheels journaled on the axle, braces secured to the bed and to the legs and diagonally extending braces connecting the side members and engaging the under faces of the longitudinal members of the bed.

2,028,024
ICE SCORING DEVICE
Charles A. Smith, Wellsville, Kans.
Application November 1, 1934, Serial No. 751,961
2 Claims. (Cl. 126—14)



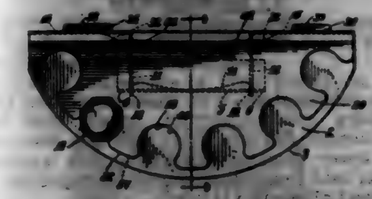
1. An ice scoring device comprising a main frame adapted to be positioned about a cake of ice, and a plurality of elements carried by the main frame and engaging with the surface of the ice to form guides for a portable cutting device so that the sections or blocks of ice cut from the cake of ice will be of determined weights, a depending projection on the main frame and adapted to engage with a shoe of a truck between said shoe and the cake of ice to aid in properly positioning the main frame on the ice.

2,028,025
MOP WRINGER ATTACHMENT
Robert T. Smith, Prospect, N. Y.
Application February 21, 1935, Serial No. 7,611
2 Claims. (Cl. 15—119)



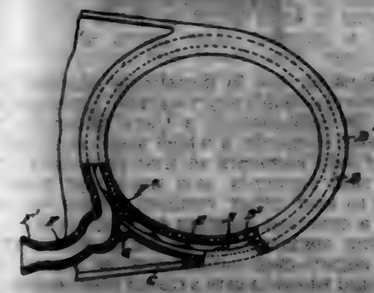
1. In a structure of the class described in combination, an elongated mop handle, a mop swab secured to one end of said handle, a sleeve longitudinally slidable on said handle and adapted to receive said mop swab, a pair of transverse pivotally connected to the lower end of said sleeve, a pair of substantially parallel rollers carried by said bracket, said rollers being adapted to be positioned on each side of said mop swab, resilient means normally urging said rollers together, and cable means secured to each of said brackets for pulling said rollers apart against the action of said spring.

2,028,026
FLASH-LIGHT DISPLAY RACK
Otto Peter Stersh, Ozone Park, N. Y., assignor to The United States Printing & Lithograph Company, New York, N. Y., a corporation of Ohio
Application July 7, 1933, Serial No. 679,416
5 Claims. (Cl. 211—13)



1. In a display rack, the combination with a blank having a back, a base and a notched section for receiving merchandise, of a second notched merchandise receiving section having projections attached to the back and spaced from the first section and braces on the back extending forward to hold the spaced notched sections in parallel positions.

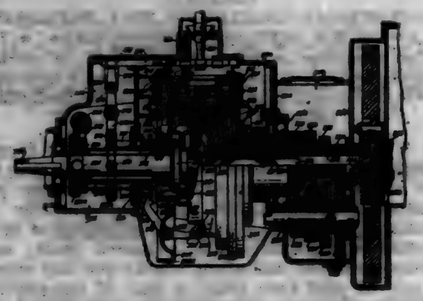
2,028,027
WATER CLOSET
James M. Teahen, Detroit, Mich.
Application February 12, 1934, Serial No. 710,925
2 Claims. (Cl. 4—11)



1. A water closet comprising a bowl, an integral flushing tank and a channeled rim for the bowl extending therearound, the channel of said rim being provided with a water inlet connection and having a dead opposite end, water discharge ports distributed around said rim inclining downward therefrom in a direction opposite to the flow of water through the channel, and an air vent at the dead end of said channel connecting with the portion thereof last to be filled with water and directing water discharged therethrough into said tank.

2,028,028
CLUTCH MECHANISM FOR TRANSMISSIONS
Tracy Brooks Tyler, Detroit, Mich., assignor to The Monopower Corporation, Detroit, Mich., a corporation of Michigan
Application May 19, 1933, Serial No. 671,194
10 Claims. (Cl. 192—48)

1. In a transmission, a plurality of clutches, engaging means in each clutch, pressure means, rods separately connected to different engaging means in different clutches and slidably associated with said pressure means, cams rotatably mounted on said pressure means and adapted to be rotated



relative to said pressure means to engage said rods individually, and means for moving said pressure means to move said rods and actuate the engaging means with which the engaged rods are connected.

2,028,029
WHEEL RIM
Herman Johan van Reyen, Herde in Westfalia, Germany
No Drawing. Application August 15, 1932, Serial No. 628,959. In Germany August 4, 1931
2 Claims. (Cl. 75—1)

1. Wheel rims and similar articles offering high resistance to abrasion and exhibiting a purely lamellar pearlitic structure, composed of a steel with a carbon content between about 0.65 and 0.78%, a silicon content between about 0.40 and 0.80% and a manganese content between about 0.40 and 0.85% and comprising metal from a group of the double carbide formers: chromium between about 0.30 and 0.80%, tungsten between about 0.25 and 0.70% and molybdenum between about 0.23 and 0.65%, the balance comprising substantially iron, the sum of said double carbide formers being so proportioned that the composition is eutectoid, the steel having also a lamellar pearlitic structure in the finished articles.

2,028,030
WATERPROOF CIGARETTE CASE
James Edward Walker, Dallas, Tex.
Application April 6, 1933, Serial No. 15,102
2 Claims. (Cl. 206—38)



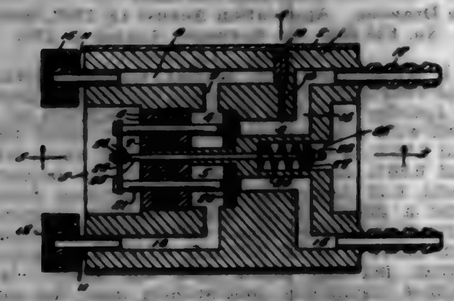
1. A box of the character described comprising a pair of complemental sections each having a continuous wall provided with a pair of continuous spaced grooves, a compressible gasket secured in the outer continuous groove of one of the sections and a compressible gasket secured in the inner groove of the other section each projecting beyond its groove and adapted to be received in the opposed mating groove of the opposite section.

2,028,631
CLUTCH-FACING
Gustav Walters, Middletown, Conn.
Application October 24, 1934, Serial No. 749,736
6 Claims. (Cl. 192—107)



1. A clutch-facing comprising: a disk formed of impregnated multi-ply woven fabric having two ends adjacent one another and with one ply forming a friction-face ply and another ply forming a rear-face ply; and a plurality of splicing-members joining said adjacent ends; each splicing-member including a body-portion engaging one of said face plies, a pair of leg-portions extending through said adjacent ends, and a pair of clamping-fingers engaging the other of said face plies; the portions of said splicing-members engaging said friction-face ply being inset substantially below the surface of said friction-face.

2,028,632
AUTOMATIC LIGHTER AND GAS SAVER
Charles F. White, Detroit, Mich.
Application April 20, 1935, Serial No. 17,070
1 Claim. (Cl. 277—3)



In a device of the class described, a body having a recess in each end thereof, a pair of spaced longitudinally extending cylinders in the body opening out into one recess, means for closing the outer end of each cylinder, a piston in each cylinder, rods connected with the pistons and passing through the closing means, a cross piece connecting the outer ends of the rods together, a stem having one end connected with the central part of the cross piece, said stem being slidably supported in the central part of the body, a cylinder opening out into the other recess and into which the stem extends, a head on the stem slidably arranged in the last mentioned cylinder, a spring in said last mentioned cylinder bearing against the head for holding the pistons in the inner ends of the first mentioned cylinders, a manually operated member for moving the stem against the action of its spring to move the pistons toward the opposite ends of the cylinders, said body having a pair of discharge passages therein connecting with intermediate parts of the cylinders and a pair of inlet passages therein connecting with the inner ends of the cylinders, one discharge passage having an extension leading to a point adjacent an inlet passage, and the body having a lateral port therein connecting said extension with said inlet passage, and a screw valve passing through a side part of the body and controlling the port.

2,028,633
COFFEE MAKER
Frank E. Wolcott, West Hartford, Conn., assignor to The Silex Company, a corporation of Connecticut
Application July 13, 1934, Serial No. 735,031
20 Claims. (Cl. 219—43)



1. In combination, a vacuum type coffee maker comprising interconnected upper and lower bowls, electric heating means for the lower bowl, and a lower bowl supporting means axially located on said heating means and supporting said lower bowl above the latter.

2,028,634
MEANS FOR USE IN MAKING ANGULAR ADJUSTMENTS AND MEASUREMENTS
Charles Cyril Allen, Pietermaritzburg, Natal, Union of South Africa
Application January 12, 1935, Serial No. 1,281
In Union of South Africa October 22, 1934
5 Claims. (Cl. 33—69)



1. Means for use in measuring angular movement between relatively rotatable elements comprising, in combination, a track associated with one of said elements, a wheel associated with the other of said elements so that on relative rotation of said elements, said track and wheel roll relative to each other, resilient means for maintaining a constant yielding pressure between the contacting surfaces of the wheel and track to obviate slip or play, and indicating means operable by said wheel to give a direct precise measurement of the relative angular movement of said elements readable with the naked eye.

2,028,635
RADIO TUBE SOCKET
John F. Anderson, Chicago, Ill., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
Application September 18, 1930, Serial No. 482,881
8 Claims. (Cl. 173—328)



1. A tube socket structure of the character described, comprising a flat support having an opening therein for the reception of a tube prong, a contact device having a flat base disposed beneath the under side of said support in parallel relation thereto and secured to said support adjacent said opening, a pair of opposed arms extending downwardly from said flat base and terminating in end portions extending beneath said opening for the reception of a tube prong inserted therethrough, and a spring device having a flat base interposed between said support and said first-mentioned base, and a pair of opposed spring arms extending downwardly from said last-mentioned base and along said end portions, said spring arms embracing said first-mentioned arms and said end portions.

2,028,636
STEAM BOILER
James W. Armour, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application September 18, 1933, Serial No. 689,937
5 Claims. (Cl. 122—235)



1. A steam boiler comprising a transverse horizontal water drum, a lower bank of tubes connected to the drum, an upper bank of tubes connected to the drum, walls forming a furnace chamber beneath the lower tube bank, water wall tubes associated with the side walls of the furnace chamber and arranged to discharge steam and water into the end portions of the drum, and baffle means within the drum to deflect steam toward the central portion of the drum.

2,028,637
PARKING REGISTER
Roger W. Babson, Wellesley, Mass.
Application February 13, 1932, Serial No. 591,839
27 Claims. (Cl. 177—311)



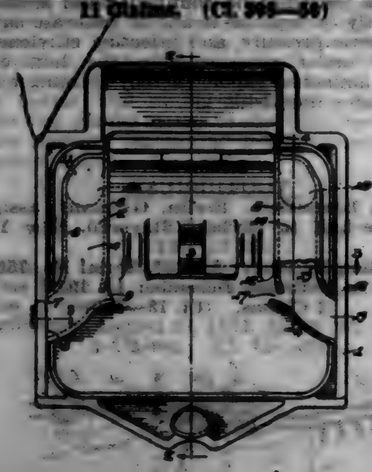
12. A parking register comprising a plurality of electric signals in different circuits, a signal changing switch shiftable to close one or another of said signal circuits exclusively, a main switch operable by placement of an automobile in parking position, means whereby such operation of the main switch causes the signal changing switch to be placed in one of its positions, a coin controlled switch, and means under the control of said coin controlled switch for causing placement of the signal changing switch into another of its signal operating positions.

2,028,638
MACHINE FOR CHARGING ANNEALING FURNACES AND THE LIKE
Harvey W. Ball, Alliance, Ohio, assignor to The Morgan Engineering Company, Alliance, Ohio
Application February 12, 1935, Serial No. 6,357
2 Claims. (Cl. 214—16)



1. A charging machine for furnaces, comprising a wheel supported truck adapted to aid in supporting an annealing box, said truck having a body provided with a vertical guideway extending lengthwise of the truck and opening through the top of the body, an elevating platform movable in said guideway and having an upper surface adapted to be brought into a position substantially flush with the top of the body to allow the body to support the annealing box until the platform is raised, means for moving said truck into and out of a furnace, toothed racks operatively connected to the platform, and means engaging the racks for raising and lowering the platform, whereby said annealing box may be raised from the truck body.

2,028,639
JOURNAL BOX
Donald S. Barrows, Rochester, N. Y., assignor to The Symington Company, New York, N. Y., a corporation of Maryland
Application September 8, 1934, Serial No. 743,288
11 Claims. (Cl. 308—36)



1. A journal box lid provided with a passageway for carrying air between an associated box and the exterior thereof, the area of the inner end of said passageway opening into said box being larger than the area of the outer end of said passageway, said outer end normally opening in a generally horizontal direction in order to provide for the efficient movement of said air.

2,028,040
SPINNING BUCKET
Frank H. Benge, Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
Application March 14, 1933, Serial No. 660,749
2 Claims. (Cl. 117—27.5)



1. A hollow article, such as a spinning bucket, which may be subjected to excessive stress during use, comprising a base, and a generally cylindrical wall extending from said base formed of superposed reverse spirals or helices of binder-treated fibrous flat strip material with the turns of each spiral overlapping one another, whereby the fibrous strip portions are tied in or interlocked with one another in a strong balanced structure having uniform density.

2,028,041
PRODUCTION OF ETHYLENE DIAMINE
Frederick C. Bersworth, Hopkinton, Mass., assignor to Frank Kottek, Ashland, Mass., doing business as F. C. Bersworth Laboratories
No Drawing. Application August 14, 1931, Serial No. 556,999
3 Claims. (Cl. 260—127)

2. A process which comprises confining liquid ammonia, heating the confined liquid ammonia sufficiently to vaporize it and to generate superatmospheric pressure, and injecting ethylene dichloride under pressure into the hot, compressed ammonia vapor, thereby forming ethylene diamine hydrochloride.

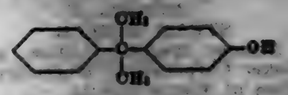
2,028,042
TOOTHBRUSH
Schulim Braunstein, Berlin, Germany, assignor of one-half to Herbert Staverton, New York, N. Y.
Application December 5, 1934, Serial No. 756,143
In Germany December 11, 1933
2 Claims. (Cl. 15—129)



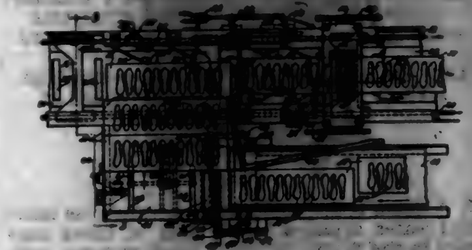
1. As a new article for use in the manner described, an elongated body of substantially semi-cylindrical form, and a plurality of apertured disks carried by the body and disposed in planes perpendicularly thereto and in spaced relation to each other, said disks being designed to receive therebetween correspondingly apertured disks of soluble substance.

2,028,043
CUMYL PHENOL
Edgar C. Britton, Midland, Mich., and Lawrence F. Martin, New Orleans, La., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 13, 1934, Serial No. 711,363
4 Claims. (Cl. 260—64)

4. Cumyl phenol, a compound boiling at approximately 182° C. at 9 millimeters pressure, melting at approximately 73°–75° C., and having probably the formula



2,028,044
APPARATUS FOR EXTRUDING PLASTIC MATERIAL
George F. Brownson, Braintree, and Harvey D. Ferris, Newton Center, Mass., assignors to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application January 5, 1935, Serial No. 541
6 Claims. (Cl. 18—30)



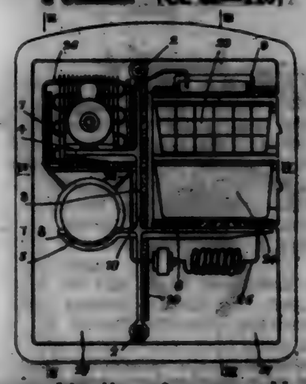
1. Apparatus for extruding plastic material, said apparatus comprising means for forcing plastic material through a delivery opening, continuously operated endless conveyor means for advancing a plurality of molds in spaced relation and in succession past said opening, and means controlled by the advancing means for so controlling the extruding means as to permit flow of plastic only when a mold is opposite said delivery opening.

2,028,045
MACHINE FOR CHARGING ANNEALING FURNACES AND THE LIKE
Homer Buck and Harvey W. Ball, Alliance, Ohio, assignors to The Morgan Engineering Company, Alliance, Ohio
Application March 6, 1935, Serial No. 9,310
8 Claims. (Cl. 214—34)



1. A charging machine for furnaces comprising a wheel-supported truck, an elevating platform carried by the truck, a gear mounted in the truck for rotation about a horizontal axis extending transversely of the truck, eccentric means movable with the gear for raising and lowering said platform, a longitudinally movable rack meshing with the gear for operating the latter, and means for limiting the upward movement of the rack away from said gear.

2,028,046
DOOR CONSTITUTING A REMOVABLE AND CHANGEABLE REFRIGERATING UNIT FOR REFRIGERATING PLANTS
Edmond Calabrusi, Paris, France
Application July 25, 1934, Serial No. 736,031
In France June 27, 1934
6 Claims. (Cl. 62—116)



1. The combination of a removable and interchangeable refrigerator-cabinet door having an outside wall and an inside wall, and a complete refrigerating and cooling plant carried by the door between said walls, said plant being of requisite capacity for food preservation in a corresponding cabinet.

2,028,047
REFRIGERATION ICE TRAY
Arthur E. Cole, Grosse Pointe, Mich.
Application June 12, 1931, Serial No. 545,518
Renewed February 23, 1935
6 Claims. (Cl. 62—108.5)



1. An ice tray for refrigerators comprising a pan having upwardly and outwardly inclined side walls, a flexible removable grid in said pan comprising a sheet formed with corrugations alternately opening upwardly and downwardly in the pan and having the side edges thereof tapered to conform to the inclinations of said side walls, the apices of the corrugations at the top of the pan having substantially greater width than the apices of the corrugations at the bottom of the pan and said last apices being cut away adjacent the bottom longitudinal corners of the pan.

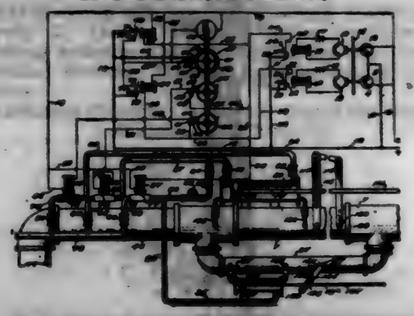
2,028,048
APPARATUS FOR MAKING COMPOSITE GEAR RIMS
Emile Merle d'Aubigne, Neuilly-sur-Seine, France, assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
Original application November 19, 1932, Serial No. 643,513. Divided and this application July 17, 1934, Serial No. 735,654. In France November 24, 1931
11 Claims. (Cl. 154—1)

3. Apparatus for forming a non-metallic rim portion of a gear, comprising an annular receptacle, a guide extending tangentially from said receptacle, means for forming laminations of fibrous sheet material and an associated binder,



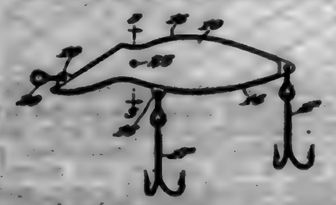
and means for positioning and moving said laminations side by side in said guide to arrange said laminations annularly in said receptacle.

2,028,049
FLUID PRESSURE CONTROL APPARATUS
Edwin L. Dennis, Reserve, La.
Application November 25, 1932, Serial No. 644,352
10 Claims. (Cl. 224—28)



1. In automatic control of fluid pressure, pressure regulating means, photo-electric actuated means responsive to one or another of selectively controlled light beams for moving said pressure regulating means in a plus or minus direction with respect to the value of the pressure to be regulated responsive to one or another of selectively controlled light beams, means movable in response to variations in the pressure to be regulated for actuating said photo-electric operated means by the selective occlusion of said light beams, and timing mechanism connected to the first named means to effect the movements of the pressure regulating means intermittently in timed steps.

2,028,050
FISH LURE
William J. De Witt, Auburn, N. Y., assignor to Shee Ferm Co., Inc., Auburn, N. Y., a corporation of New York
Application August 27, 1934, Serial No. 741,587
5 Claims. (Cl. 43—46)



1. A lure simulating a fish having a hollow body, and a partition dividing the internal compartment longitudinally into two chambers, and the walls of the body being provided with openings through which water enters both the

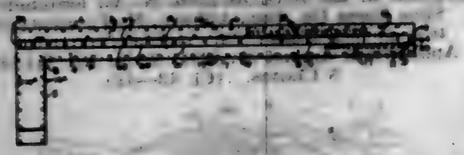
chambers and escapes therefrom as the lure is drawn through the water thereby creating spaced streams of bubbles to attract the attention of any fish nearby.

2,028,051
PERMANENT WAVING
Hobart N. Durham, Massey Park, N. Y., and George B. Finnegan, Jr., Mountain Lakes, N. J., assignors to Eugene, Ltd., New York, N. Y., a corporation of New York
Original application November 7, 1932, Serial No. 641,574. Divided and this application April 3, 1935, Serial No. 14,405. In Great Britain April 9, 1931
14 Claims. (Cl. 219—24)



1. In permanent waving the method of heating and steaming a tress of hair which comprises the steps of moistening the tress with an electrolyte, placing the tress between two electrodes, and generating heat and vapor in the electrolyte on and between the hairs of the moistened tress by passing electric current through said electrolyte by connecting the electrodes to circuit terminals of opposite polarities.

1,818,851
COMBINATION SQUARE AND SLIDE RULE
John I. Easterly, Hawthorne, Calif.
Application September 18, 1931, Serial No. 563,171
3 Claims. (Cl. 33—112)



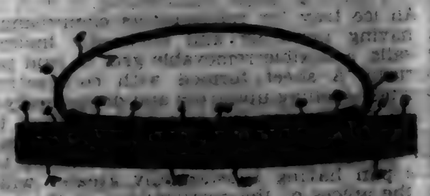
3. A carpenter's framing square of the class described comprising an arm, a second arm extending perpendicular to said first arm, said first arm being provided with a longitudinal groove extending into a side edge of said second arm, a strip slidably carried in said groove, said strip being movable to a position whereby an edge thereof bridges said side edge and forms a continuous edge along said second arm and means to releasably secure said strip in said position, said means being operable only when said strip is in said position.

2,028,053
CROSS-GROOVERS FOR TREES
William F. Ertle, Philadelphia, and George M. Pfundt, Churchville, Pa., assignors to Poss Manufacturing Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 19, 1935, Serial No. 27,228
11 Claims. (Cl. 90—24.5)



11. In a device of the character described, the combination of a carrier for support transversely above an intermittently rotatable tire to be circumferentially cross grooved, an arcuate track supported in a lower plane by and in advance of the carrier, a carriage on the track, a resiliently supported cutter head vertically adjustable in the carriage and having cutters at its lower end, means swingably supported by the carrier and universally coordinated with the carriage, whereby the carriage is reciprocable over the track to effect the cross grooving operation, and adjustable means on the carrier engagable with the swingably supported means to limit the swinging movement thereof.

2,028,054
SHOE
Percy G. Flint, Brockton, Mass., assignor to Flint and Flint Co., Brockton, Mass., a corporation of Massachusetts
Application July 5, 1934, Serial No. 733,836
5 Claims. (Cl. 36—17)



1. A shoe having an insole, welt, uppers and sole, said uppers at their lower edge portions being positioned between said welt and insole and the uppers and welt being secured to the sole by a line of stitching, the stitches of which extend from the under side of the welt to the under side of the insole, a layer of non-tacky, flaccid, waterproof material in adhering relation to the under side of said insole and welt but in non-adhering relation to said sole, said layer closing the joint between said welt, uppers and insole and the exposed sides of said line of stitching on the welt and insole, and a layer of similar material on an inner surface portion of said uppers above said insole and covering the adjacent portion of said uppers which is between said insole and welt.

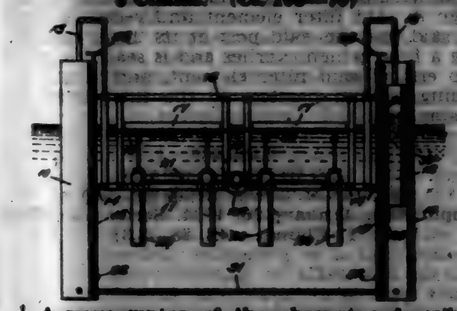
2,028,055
FULL VIEW RIFLE FRONT SIGHT
Oscar B. Pershing, Kimball, Nebr.
Application April 23, 1935, Serial No. 17,571
6 Claims. (Cl. 33—47)



1. A sight of the class described comprising a tubular carrier, having a slot extending peripherally through its wall, a sight member comprising a ring having a portion of said ring resting on the bore wall of the carrier and a portion of said ring occupying said slot flush with the exterior of the carrier, and a mounting member having a tubular portion in which said carrier is telescoped with a portion overlapping said ring.

6. A sight of the class described comprising a ring, bead means within the ring, said ring consisting of circumferential portions differing in width from each other, said bead means comprising a pair of beads in radial alignment and each equidistantly spaced from the longitudinal axis of the ring and relatively fine supporting means for the beads extending inwardly from the wall of the ring.

2,028,056
WAVE MOTOR
Haddon A. Franklin, Cordova, Ala.
Application November 20, 1934, Serial No. 753,879
5 Claims. (Cl. 103—70)



1. A wave motor of the character described comprising a series of hollow piers, a cradle related with said piers and having floats working interiorly of the latter, valved inlet means mounted in the piers, means establishing communication between the series of piers for maintaining a uniform dead water level therein, pumps supported by said cradle, a reservoir having connection with said pumps, and wave operated floats actuating said pumps and carried in the cradle.

2,028,057
PICKER'S SACK CARRIER
Earl Lee Pugatt, Flatville, Texas.
Application July 15, 1933, Serial No. 11,533
1 Claim. (Cl. 280—8)



A cotton sack carrier comprising a rectangular frame, an axle member extending transversely across the same in front of the transverse center of the frame, and having its ends extending downwardly and then bent inwardly to form spindles, a side bar on each side of the frame and having its ends connected with the under face of the side portions of the frame and provided with an intermediate substantially horizontal part having a hole therein for receiving the outer end of the spindle forming part, portions of the side bar sloping upwardly from said horizontal portion to the ends of the bar, an inverted U-shaped brace member connected with the under face of the central portion of the axle member and having holes in the ends of its limbs for receiving the ends of the spindle forming parts, means for holding the said spindle forming parts in said holes, and a wheel on each spindle forming part located between a limb of the inverted U-shape member and a side bar, a platform covering the frame.

2,028,058
QUICK-ASSEMBLED SECTIONAL CABINET
Harvey D. Geyer, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 11, 1933, Serial No. 656,241
7 Claims. (Cl. 220—9)



1. In a cabinet construction, in combination, a molded soft rubber corner strip having two angularly disposed grooves therein adapted to receive the edges of two adjoining wall panels, two individual cabinet wall panels having their adjacent marginal edges inserted in said two grooves respectively, inner and outer relatively rigid metal facing strips fixed to said rubber corner strip as a unitary part thereof, and means for clamping said inner and outer facing strips upon said soft rubber corner strip and thereby highly compressing same and simultaneously sealing the joints thereof with said panels.

2,028,059
FLEXIBLE METAL FREEZING TRAY
Harvey D. Geyer, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 16, 1933, Serial No. 656,989
Renewed February 25, 1935
9 Claims. (Cl. 62—108.5)



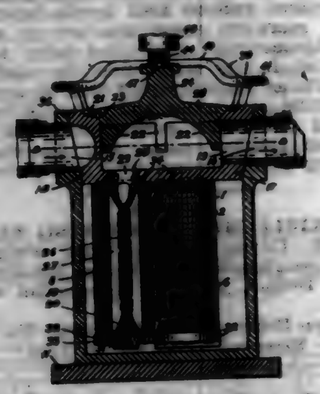
1. A freezing tray comprising: a unitary flexible metal pan having zig-zag side wall and a separate removable flexible grid inserted therein, said grid having portions substantially contacting the inwardly extending projections of said zig-zag side wall and forming therewith a series of ice compartments.

2,028,000
PROTECTOR
Ezell Gilbert, Jasper, Ala.
Application September 7, 1935, Serial No. 39,656
4 Claims. (Cl. 47—33)



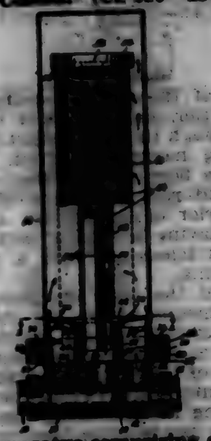
1. A protector comprising a flexible foldable casing including front and rear portions, side portions and end portions, each end portion being formed with a pair of outwardly directed opposed legs, spaced grommets anchoring the legs at one end of the casing together, a pair of sets of spaced grommets, each set being anchored to one of the legs at the other end of the casing, said sets of grommets being arranged in registry, and a foldable inflatable resilient element encompassed by and abutting the said portions of said casing, said element being formed of a series of spaced, parallel hollow members and tubular means communicating with and coupling said members together.

2,028,061
FILTER
Maurice A. Goldman, Milford, N. H., assignor, by mesne assignments, to Commercial Filters Corporation, Boston, Mass., a corporation of Massachusetts
Original application December 29, 1930, Serial No. 505,247. Divided and this application March 16, 1934, Serial No. 716,963
8 Claims. (Cl. 210—184)



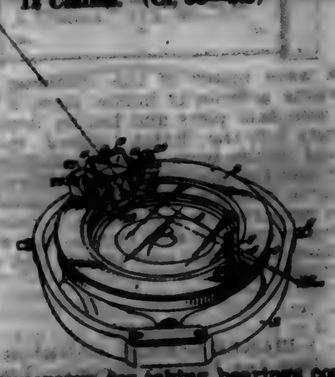
1. In a filtering apparatus, the combination of a container having inlet and outlet openings for the fluid to be filtered, said container being provided with a tapered seat, a cover correspondingly tapered to fit said seat, said cover being chambered to admit liquid from said inlet into the body of said container and to conduct the filtered liquid to said outlet, means accessible externally of said container for releasably holding said cover in its closed position, and means carried by said cover for removably supporting a tube filter in position to compel the liquid flowing from said inlet to said outlet to pass through the wall of said filter, said cover having a removable cap for closing the chamber therein for the filtered liquid.

2,028,062
FILTER APPARATUS
Maurice A. Goldman, Milford, N. H., assignor to Commercial Filters Corporation, Boston, Mass., a corporation of Massachusetts
Application June 20, 1934, Serial No. 731,839
8 Claims. (Cl. 210—184)



1. Filter apparatus comprising a base having a filter tube support and a passage opening in said support, an enclosing casing connected with said base and surrounding said support, a tubular filter element within said casing seated at its bottom end on said support with its passage registering with said passage, and an exteriorly channeled post extended loosely through the passage in said filter element and received loosely in said passage, said post at its upper end having a head which overlies and is seated upon the top end of said filter element, and means providing a fluid passage to the interior of said casing.

2,028,063
AZIMUTH COMPASS
Burton M. Green, Brooklyn, N. Y.
Application January 29, 1934, Serial No. 707,595
12 Claims. (Cl. 88—2.3)



1. An apparatus for taking bearings comprising, a compass, a ring revolubly associated with said compass, a sight at one side of said ring, a reflector associated with said ring at a point substantially diametrically opposite said sight to reflect readings of the compass, and a second reflector associated with said ring at a fixed location immediately adjacent to and within the field of vision with said first reflector as viewed through the sight and adjustably held to permit focusing of an image adjacent to the reflected compass reading.

2,028,064
MANUFACTURE OF GLYCOLLIC ACID
Ernest F. Grether and Russell B. Du Vall, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 29, 1935, Serial No. 13,798
10 Claims. (Cl. 260—113)

1. The method which comprises treating an aqueous solution of an alkali metal glycollate and alkali metal chloride with a water-soluble calcium salt in amount not appreciably exceeding the chemical equivalent of the glycollate, crystallizing calcium glycollate from the mixture, and subjecting the mixture to a temperature sufficiently high so that the crystals are obtained in anhydrous form.

10. The method which comprises hydrolyzing chloroacetic acid by heating the same with an aqueous solution containing approximately twice its chemical equivalent of an alkali metal base, treating the hydrolysis mixture at a temperature above 70° C. with a water-soluble calcium salt in amount representing not more than the chemical equivalent of the chloroacetic acid hydrolyzed, and crystallizing calcium glycollate from the mixture while maintaining the latter at a temperature above 70° C.

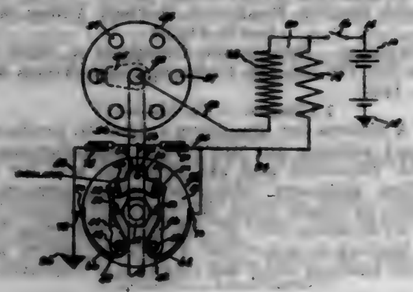
2,028,065
SIMULTANEOUS HYDROLYSIS AND AMMONOLYSIS OF ARYL HALIDES
William J. Hale, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 18, 1933, Serial No. 698,582
12 Claims. (Cl. 260—128)

6. In a method of making a phenolic compound and a corresponding monoaryl amine simultaneously, the step which consists in heating, at superatmospheric pressure to a reaction temperature between about 150° and about 260° C., an aryl chloride with:— at least 0.3 its chemical equivalent of ammonia, at least 0.2 its chemical equivalent of a cuprous compound, at least its chemical equivalent of a base selected from the class consisting of alkali and alkaline earth metal bases, and water in amount representing at least twice the weight of said base.

12. In a method of making cresol and ditolyl amine simultaneously, the step which consists in heating, at superatmospheric pressure to a temperature above about 260° C. but below that at which the reaction products are substantially decomposed, chlorotoluene with:— at least 0.3 its chemical equivalent of ammonia, at least 0.2 its chemical equivalent of a cuprous compound, at least its chemical equivalent of a base selected from the class consisting of alkali and alkaline earth metal bases, and water in amount representing at least twice the weight of said base.

2,028,066
IGNITION SYSTEM
Herman L. Hartsell, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 18, 1934, Serial No. 730,944
10 Claims. (Cl. 123—148)

1. In an ignition system, the combination comprising; a source of current; current transforming means including an induction coil having a primary and a secondary circuit; and means for making and breaking the primary circuit; said means comprising a plurality of sets of contacts connected in series with the primary winding and current source; and cam means for operating



said sets of contacts simultaneously to open and close the primary circuit.

2,028,067
VERTICAL DOUBLE ACTION PUMP
Birger Heftye, Tampico, Mexico
Application March 29, 1935, Serial No. 12,098
In Mexico April 21, 1934
3 Claims. (Cl. 103—193)

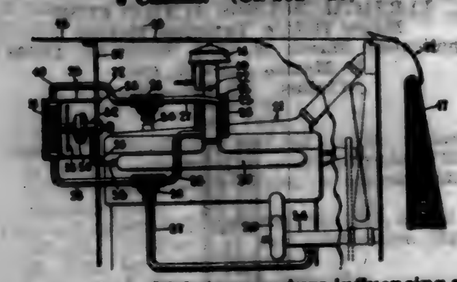


1. In a pumping apparatus of the class described, a pump chamber, a discharge pipe extending into the chamber, a piston in the chamber, means for reciprocating the piston, said piston having upper and lower chambers therein, a discharge conduit connected with the upper chamber and with the discharge pipe and said piston having a pair of vertically arranged bores therein, a sliding elongated tubular valve in each bore, one having its lower end closed and the other having its upper end closed, a conduit connecting the lower chamber with the fluid to be pumped, each of the upper and lower chambers being in communication with the bores and each valve having upper and lower ports therein, the upper one of which communicates with the upper chamber while the lower one is out of communication with the lower chamber and the upper port of the other valve being out of communication with the upper chamber when the upper port of the other valve is in communication with the chamber and vice versa, said valves being moved by the fluid being pumped.

2,028,668
PROCESS FOR DISSOLVING RUBBER FOR THE MANUFACTURE OF PAINTS, VARNISHES, AND LIKE PRODUCTS, AND FOR INSULATING PURPOSES
John Patrick Henhaven, Durban, Union of South Africa
No Drawing. Application December 5, 1934, Serial No. 756,180. In Union of South Africa May 19, 1934
7 Claims. (Cl. 134—17)

1. A process for dissolving rubber to produce a product suitable for use in the manufacture of paints, varnishes and like products and for insulating purposes which comprises heating a mixture of crude wood oil, rosin and boiled linseed oil at about 300° F., adding a drier and further heating to about 540° F., adding rubber and further heating until the rubber has dissolved.

2,028,669
MOTOR VEHICLE HEATING AND COOLING SYSTEM
Erwin G. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application November 14, 1932, Serial No. 642,668
6 Claims. (Cl. 261—10)



1. A motor vehicle temperature influencing system comprising, in combination with the carburetor and the intake manifold of an internal combustion engine having a cooled portion, a thermal exchange element disposed about a part of said manifold for cooling said element, a second thermal exchange element for influencing the temperature of the passenger compartment of the vehicle, means connecting said elements for fluid circulation from one element to the other, the temperature of the intake manifold serving to cool the second element through and by virtue of the circulating fluid, and means for circulating air about the second element to cool the vehicle passenger compartment.

2,028,670
HANDKERCHIEF
James Herbert Johnson, Washington, D. C., assignor to The Rochester Company, Inc., San Antonio, Tex.
Application January 15, 1934, Serial No. 707,426
1 Claim. (Cl. 132—78.5)



A novelty handkerchief comprising an imperforate sheet of flexible textile material, front, first and second patches of similar material secured to the sheet along their sides and bottom edges so as to form a pocket open at the top, a reinforcing strip extending along the upper edges of the front and first patches and secured to those patches, a portion of a hookless fastener secured to the strip, another reinforcing strip extending along the upper edge of the second patch and said sheet and secured to the sheet and the second patch, another portion of a hookless fastener secured to the last mentioned strip, and a closing member cooperating with said portions of the hookless fastener for closing the pocket.

2,028,671
HANDLE ESCUTCHEON
Gilbert L. Kemper, Cincinnati, Ohio, assignor to Cincinnati Cabin Company, Cincinnati, Ohio, a corporation of Ohio
Application September 10, 1934, Serial No. 743,324
2 Claims. (Cl. 16—126)



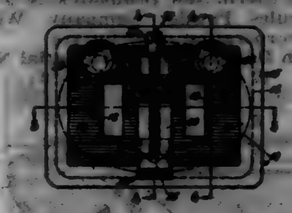
1. An escutcheon for a handle, comprising, a pair of sheet metal bracket plates, each plate having a flange extending from its underside providing a marginal rim to give the plate elevation and stability, each bracket plate adapted for individually supporting a handle bar carrying arm, and a sheet metal plate providing a spacer for said bracket plates and having means for separably interlocking with a side flange of each of said bracket plates.

2,028,672
PROCESS FOR PRESERVING MILK
Georg Alexander Krause, Munich, Germany, assignor to Katadyn, Inc., Dover, Del., a corporation of Delaware
No Drawing. Application February 24, 1931, Serial No. 518,039. In Germany February 24, 1930
6 Claims. (Cl. 99—15)

2. A process for treating milk for human consumption to permit longer storage thereof while retaining its potable qualities which comprises the partial sterilization of the milk by contact treatment with oligodynamically active bodies while in a previously heated condition, the heating being shorter than conventional pasteurization and insufficient to cause complete sterilization or to impart a boiled taste to the milk, the oligodynamic treatment being interrupted after less than four minutes so as to impart no change of color or taste to the milk, said milk when so treated having substantially the full vitamin value of untreated milk and rendered potable for from two to three times as long as untreated milk and coagulating only after at least a day after coagulation of untreated milk.

2,028,673
PEDAL PAD
Herbert H. Lesnquet, Brooklyn, N. Y., assignor to Kaster Specialty Mfg. Co., Inc., New York, N. Y., a corporation of New York
Application June 8, 1935, Serial No. 24,996
7 Claims. (Cl. 74—560)

1. A pedal pad comprising in combination a support, a facing of a resilient material, a clamping jaw movable transversely of the support, and a pair of clamping jaws pivotally mounted upon



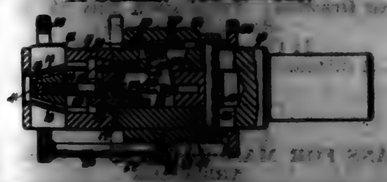
said support for movement in a plane parallel to the plane of said support.

2,028,674
METHOD OF PREPARING SECONDARY AROMATIC AMINES
Werner M. Lauter, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 2, 1933, Serial No. 674,167
23 Claims. (Cl. 260—128)

17. The process of preparing secondary aromatic amines which comprises reacting a mixture of a primary cyclic amine and an aromatic hydroxy compound of the benzene and naphthalene series in which at least one hydroxyl group is attached to the aromatic nucleus, under substantially anhydrous conditions and in the presence of a dehydrating agent selected from a group consisting of alkali metal bisulphates, alkali metal pyrosulphates and alkali metal acid phosphates.

23. The process of preparing secondary aromatic amines which comprises reacting under substantially anhydrous conditions and in the presence of a dehydrating agent selected from a group consisting of alkali metal bisulphates, alkali metal pyrosulphates and alkali metal acid phosphates, a hydroxy aromatic compound in which at least one hydroxy group is attached to the aromatic nucleus and selected from a group consisting of naphthols, hydroxy phenols and alkyl phenols, with a primary amine selected from a group consisting of aniline, alkyl phenyl amines, naphthylamines, cyclohexylamine, furfuryl amine, benzyl amine, para phenetidine, amino biphenyls, amino phenols, halo-naphthylamines, and halo-phenylamines.

2,028,675
COLLAPSIBLE TAP
Frederic Nell, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania
Application February 7, 1934, Serial No. 710,171
11 Claims. (Cl. 10—145)



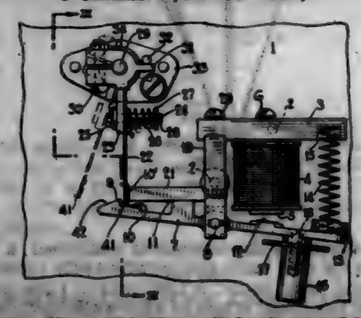
1. A collapsible tap comprising a body portion having a head secured thereto, the head having radial slots for receiving thereof cutting elements, a collar slidably mounted on the body, a plunger in the body and having a beveled head engageable with the inner edges of the cutting elements, a latch operable by said collar, a ring plate secured to said plunger, a spring seated in said collar and engaging said ring plate for urging the collar forward and a second spring of greater tension than the first named spring in said collar, said last named spring being engageable with a fixed element on the body portion and with the said ring plate for urging the ring plate rearwardly of the body member to collapse the cutters when the said latch has been released.

2,028,676
METHOD OF MAKING PLYWOOD TRAYS OR THE LIKE
Charles B. Norris, Grand Rapids, Mich., assignor to Handcraft Manufacturing Corporation, a corporation of New York
Application June 8, 1934, Serial No. 729,561
4 Claims. (Cl. 144—309)



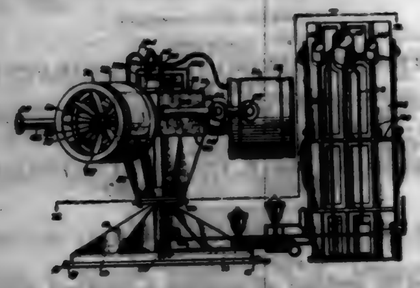
1. The method of making a plywood dished structure having a core and veneer facings on both sides, which comprises producing a core and two plywood facing panels, dampening said facing panels and sanding the faces thereof that are the exposed faces in the finished product, molding said panels while damp, and said core into the desired shape and drying them during the molding process, assembling the core and the panels in a dry condition with dry glue interposed between the same, maintaining the assembly until the moisture therein becomes uniformly distributed throughout the same, and then applying heat and pressure to secure the panels together.

2,028,677
THERMOSTATIC CIRCUIT CONTROLLER
Robert J. Parsons, Schenectady, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York
Application May 9, 1934, Serial No. 724,716
5 Claims. (Cl. 175—375)



1. In a thermostatic switch, in combination: a rotatable shaft; a bi-metallic thermo-responsive strip spiralled about the shaft, having one end connected to the shaft and the other end fixed; a contact finger adapted for governing a circuit mounted on the shaft to move in one direction therewith; a latch positioned to engage and latch the contact finger; a pivot intermediate the ends of the latch; a compression spring having one end bearing on the portion of the lever on the other side of the pivot from the latch and having its other end bearing against a fixed abutment; manual means for moving the latch out of the path of the contact finger; electro-magnetic means for moving the latch out of the path of the contact finger.

2,028,075
TIRE BUILDING APPARATUS
Will C. State and Meindert Lammertse, Akron, and Charles E. Gardiner, Cuyahoga Falls, Ohio, assignors, by mesne assignments, to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application February 21, 1933, Serial No. 657,778
51 Claims. (Cl. 154—10)



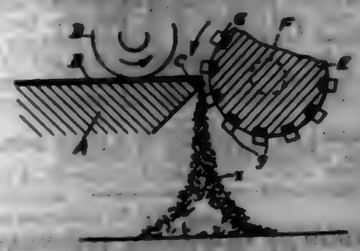
1. In tire building apparatus of the character described, in combination, a rotatable turret, a plurality of spaced tire bead receiving drums reciprocally mounted on said turret, means for successively locking each of said drums in alinement with a single drum receiving chamber, and means for reciprocating each drum only when it becomes alined with said chamber.

2,028,079
FLOOR OILER OR WAXER
August Steigerwald, New York, N. Y., assignor to Emily Clark, New York, N. Y.
Application April 3, 1935, Serial No. 14,420
1 Claim. (Cl. 91—39)



In a device of the character described, a reservoir having end walls and downwardly converging front and rear walls, a distributor tube secured between the lower edges of said walls and forming the bottom of said reservoir, said tube having a valve opening in the wall enclosed within said reservoir and a plurality of discharge openings in the outer wall, a valve for regulating said valve opening and having a handle at the outside of said reservoir, a pair of sheet metal flaps secured at one edge respectively to the front and rear external walls of said reservoir substantially above the bottom thereof and extending substantially below the bottom, clamping means engaging said flaps below said tubular bottom for drawing the free portions of said flaps toward each other to clamp porous spreader pads against the front and rear walls of said reservoir above the distributor tube and from end to end thereof and against each other below said tube.

2,028,080
WOOD PULP ADAPTED FOR CHEMICAL USE
Raphael L. Stern, New Brunswick, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application December 28, 1934, Serial No. 759,506
17 Claims. (Cl. 92—20)



1. Wood pulp in the form of lengths of substantial length and cross section formed from a sheet of felted wood pulp and adapted for chemical treatment, the lengths being of a thickness less than the thickness of the original sheet and comprising wood cellulose fibres lying together in loosely felted relation.

5. Wood pulp in a form adapted for esterification comprising lengths characterized by their formation from a sheet of felted wood pulp by shearing in one direction with reference to the sheet and splitting in a direction transverse to the direction of shearing.

2,028,081
HALOGENATED PHENYL-DIPHENYL OXIDE
Wesley C. Siecenec, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 2, 1934, Serial No. 712,229
21 Claims. (Cl. 260—130)

1. In a method of making a halogenated phenyl-diphenyl oxide, the step which consists in reacting a phenyl-diphenyl oxide with a halogen selected from the class consisting of bromine and chlorine.

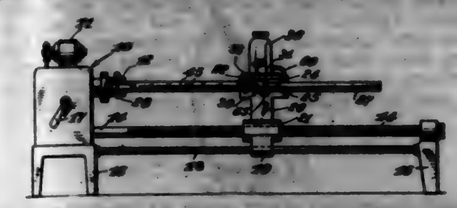
17. A halogenated phenyl-diphenyl oxide preparable by reacting phenyl-diphenyl oxide with a halogen selected from the class consisting of bromine and chlorine.

2,028,082
METHOD OF PREPARING THIAZYL MONOSULPHIDES
Jan Teppema, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 29, 1933, Serial No. 683,596
21 Claims. (Cl. 260—44)

18. A dithiazyl mono sulphide.

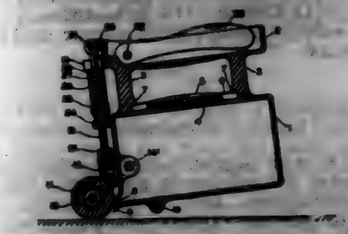
2,028,083
MEANS FOR MAKING COATED ROD-LIKE ARTICLES
John N. Whitehouse, New York, N. Y.
Application November 24, 1932, Serial No. 644,540
10 Claims. (Cl. 18—3)

1. Apparatus of the type described comprising mechanism for rotating a core, means for securing one end of a strip of coating material to one end of the core, and a tool for guiding said strip to said core in such fashion that the strip is wrapped spirally tightly around the core as the core is rotated, said tool having a bore fitting



snugly around the core and having an angular shoulder at one end of the bore to position the strip relative to the core as they contact.

2,028,084
GLUE CONTAINER AND SPREADER
Stephen A. Brown, Chicago, Ill., assignor to Joseph Bechler, Chicago, Ill.
Application April 3, 1933, Serial No. 664,183
5 Claims. (Cl. 21—87.4)



1. A container for liquid or semi-liquid materials having an opening in the top for charging materials thereto, a narrow opening along the lower front edge for discharging materials therefrom, said lower front edge terminating in protruding lips shaped to fit a moveable closure for said narrow opening comprising a roller adapted to seal said narrow opening when held against said protruding lips and a foot integral with the bottom of said container.

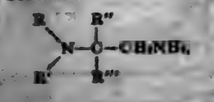
2,028,085
CARTON HANDLE
John Paul Brunt, Chicago, Ill., assignor to Brunt & Company, Chicago, Ill., a corporation of Delaware
Application January 7, 1935, Serial No. 639
16 Claims. (Cl. 229—52)



10. In a collapsible container, three wall members lying in the same plane in the collapsed container, two of said members being hinged to opposite edges of the third member, and a handle having a portion thereof lying on the outside surface of the third wall member and end portions extending therethrough and secured to the inner surfaces of said hinged members.

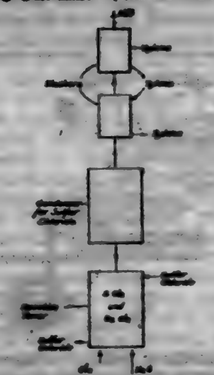
2,028,086
VULCANIZATION OF RUBBER
William C. Calvert and Howard I. Cramer, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 13, 1932, Serial No. 622,312
15 Claims. (Cl. 18—53)

6. The process of treating rubber which comprises vulcanizing it in the presence of a compound of the formula



wherein R is a hydrocarbon radical and R', R'' and R''' are radicals selected from the group consisting of hydrogen and hydrocarbon radicals.

2,028,087
PRODUCTION OF HYDROGEN HALIDES
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application December 12, 1933, Serial No. 702,827
23 Claims. (Cl. 23—156)

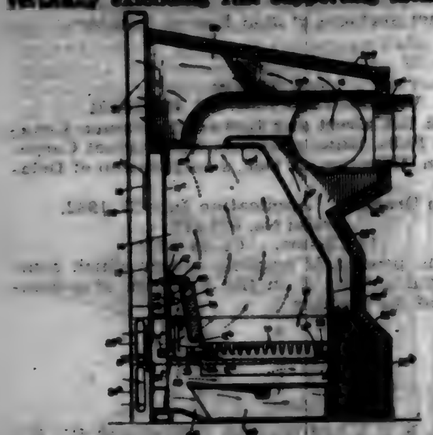


1. The method of producing a hydrogen halide which comprises causing non-equimolecular proportions of a halogen and hydrogen sulfide to react in the presence of a sulfur halide in the liquid phase.

2,028,088
FIREPLACE STOVE AND HEATER
Robert L. Davison, New York, and Edgar V. Ludwig, Buffalo, N. Y., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application November 5, 1932, Serial No. 641,428
4 Claims. (Cl. 126—121)

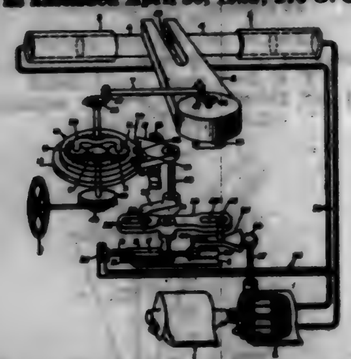
1. A heater comprising a combustion chamber having an open front, grate means disposed in said chamber, means coacting with said grate means for the support of solid fuel, said coacting means including an imperforate portion extending from the front of said grate means upwardly toward the open front of the chamber, pivoted door means for closing the open front of the chamber, said door means being substantially flat and means carried by the door means for substan-

tially precluding the flow of air forwardly of the vertically extending fuel supporting means and



between the same and the inner face of the door means.

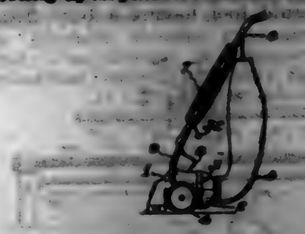
2,026,986
CONTROL FOR HYDRAULIC STEERING GEARS
Ralph Erling, Alexandria, Va.
Application September 29, 1932, Serial No. 635,379
22 Claims. (Cl. 60—51)
(Filed but not issued under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



16. In combination with rudder mechanism and hydraulic actuating means connected thereto, a pump operatively connected to supply fluid under pressure to said actuating means, said pump having controls to vary the quantity and the direction of flow of liquid therefrom, a steering wheel, means responsive to the pressure of the output of said pump, a lever carried by the last mentioned means, said lever being operatively connected to the controls of said pump and adapted to have its effective length varied by said pressure responsive means and means including an intermittent gear operatively connecting said lever to said wheel.

2,026,990
SUCTION CLEANER
Walter A. Frantz, Cleveland Heights, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 12, 1929, Serial No. 413,835
Renewed March 26, 1934
24 Claims. (Cl. 15—6)

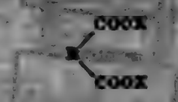
1. A suction cleaner comprising, a motor, and a fan and brush operatively associated therewith, and a casing having upper and lower halves meeting upon planes which coincide substantially



with horizontal planes through the centers of said motor, fan and brush.

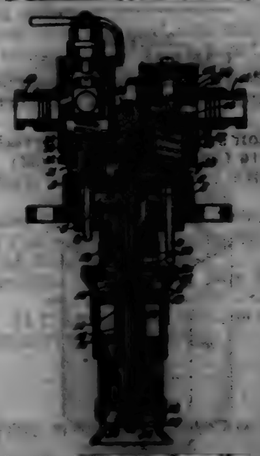
2,026,991
ESTERS OF SULPHONICARBOXYLIC ACIDS
Alphons O. Jaeger, Greenlawn, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 28, 1933, Serial No. 682,629
14 Claims. (Cl. 260—136)

1. An ester of an aliphatic dibasic acid having the formula



in which R is an aliphatic carbon chain containing at least one sulphonic group but free from other substituents, and X is hydrogen or an alcohol or phenol radical not connected by a carbon to carbon bond with R, at least one X being such an alcohol or phenol radical.

2,026,992
BOTTLE FILLING VALVE
James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application October 23, 1932, Serial No. 639,584
5 Claims. (Cl. 226—122)



1. In a bottle filling valve, the combination with a valve casing, of a filling tube supported by and extending downwardly from said casing and open at its lower end, a valve controlled inlet port in said casing communicating with said tube, a downwardly opening valve at the lower end of said tube for controlling the passage of

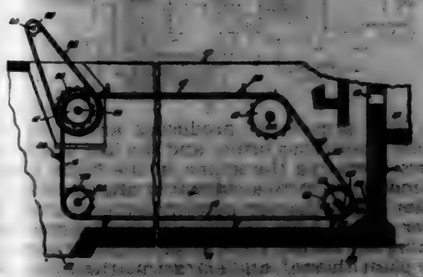
liquid from said tube, a stem extending through said tube for operating said valve and projecting through the top of said casing for engagement with operating means, said casing having an opening in the top thereof through which said stem projects and communicating with said tube, and a piston connected to said stem and operating in said opening to seal said opening against the escape of liquid through the top of the casing.

2,026,993
VALVE
Walter Douglas La Mont, North Colebrook, Conn., assignor, by mesne assignments, to American Chain Company, Inc., a corporation of New York
Original application April 6, 1932, Serial No. 603,242. Divided and this application September 12, 1931, Serial No. 562,473
2 Claims. (Cl. 251—167)



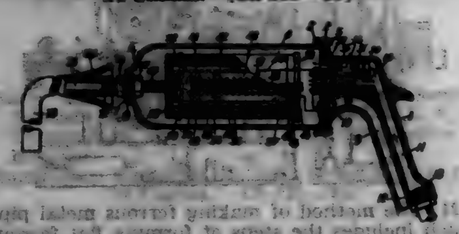
1. A gate valve comprising a housing having a port, a gate movable in the housing transversely to the port to open and close the same, the housing including a bearing surface surrounding the port and against which the gate is seated when in closed position, said surface being formed with a groove, said groove being undercut to form a storage chamber for a sealing fluid, and means for introducing the sealing fluid into said chamber and thence into the groove.

2,026,994
SLUDGE REMOVING APPARATUS
Samuel Shafer, Jr., Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 17, 1931, Serial No. 16,279
5 Claims. (Cl. 210—8)



1. In sludge removal apparatus for settling tanks of the type having a curved or beveled corner portion at the juncture of two angularly disposed walls thereof, a movable belt provided with elements arranged to remove sludge from the surface of one of said walls; supporting and guiding means for said belt disposed adjacent said corner; and supplemental sludge removing means carried by said supporting and guiding means, arranged through movement of the latter to remove sludge deposits from said corner portion.

2,026,995
AIR HEATING DEVICE
Thomas J. Tully and Robert B. Jackson, Columbus, Ohio, assignors, by direct and mesne assignments, to Tuloran, Inc., Columbus, Ohio, a corporation of Ohio
Application May 14, 1934, Serial No. 725,547
14 Claims. (Cl. 219—39)

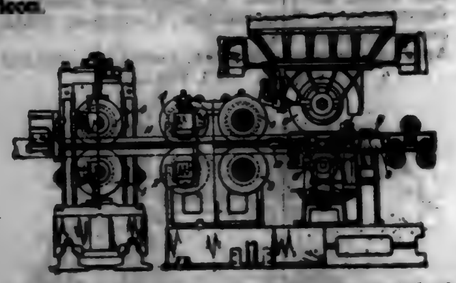


1. An air heating gun comprising a handle member, a main hollow casing secured to said handle member, said handle member having a passageway extending therethrough and communicating with the interior of said main casing for conducting air under pressure thereinto, an air injector disposed in said passageway through which the air under pressure must pass before entering said casing, said injector being of such a type that it will take in additional air from the atmosphere and will reduce the pressure of the air under pressure as it passes therethrough, an electric heating element disposed within said casing, a plurality of metallic tubular members surrounding said heating element, said tubular members being of various diameters, means for maintaining the various tubular members in spaced relation so that a plurality of chambers surrounding said heating element are formed, each of said tubular members having openings adjacent one end thereof, the openings in one tubular member being formed therein adjacent the end opposite to that of the adjacent tubular member in which the openings thereof are formed, all of said tubular members having polished surfaces so that they will readily reflect heat, said heating element having one of its ends supported on a flexible member in order to minimize shocks and jars thereon, said tubular members being so arranged that the air entering said main casing must travel through all of said chambers before reaching said heating element, a tube leading from the chamber in which said heating element is disposed to a point outside of said main casing, a nozzle member mounted on the outer end of said tube, a switch for controlling said heating element, said switch being automatically operable by the air under pressure which flows through said passageway to cause the circuit to said heating element to be completed when air under pressure is supplied to the gun and to be broken when the pressure of the air supplied to the gun falls below a predetermined degree.

2,026,996
WELDED METAL PIPE AND PROCESS OF MAKING SAME
George G. Walker, Poland, Ohio, assignor to Republic Steel Corporation, Youngstown, Ohio, a corporation of New Jersey
Application October 23, 1925, Serial No. 47,947
35 Claims. (Cl. 219—18)

20. A ferrous metal pipe having longitudinal electric resistance butt weld, a tensile strength in excess of about 70,000 pounds per square inch of metal and containing between about .10% and .45% of carbon, between about .70% and about

1.70% of manganese, between about .015% and about .020% phosphorous, between about .50% and about 1.05% copper and substantially no silicon.



21. The method of making ferrous metal pipe which includes the steps of forming flat ferrous metal into a pipe blank having a slightly oval cross sectional shape whose major axis is in line with the longitudinal seam and having a longitudinal seam defined by edge surfaces contacting at a point remote from their inner radial ends and diverging therefrom to such inner ends at a small included angle, and applying welding pressure and heat to the blank to unite the seam edges progressively from the point of initial contact of the edge surfaces with each other to their remote ends with a substantially uniform and continuous edge surface weld.

2,023,097

BOTTLE FILLING EQUIPMENT

Carl Zafuta, Arma, Kans.

Application February 16, 1934, Serial No. 711,633

3 Claims. (Cl. 226—122)



1. In combination with a receptacle containing a foamable liquid under pressure and having a draft fitting, a bottle filling apparatus including a sleeve member engageable with the draft fitting and having sealing means at its upper and lower ends, a tapping rod engageable within the sleeve member for removing a bung from the receptacle and extending into the interior of the receptacle having at its upper end liquid outlet perforations and a fluid inlet opening, the tapping rod being retained in position by the sealing means of the sleeve member, a hollow head on the lower end of the tapping rod provided with spaced nipples, a partition connected to the base of the head extending upwardly and terminating short of the perforations and sealing off the opening to divide the tapping rod into liquid outlet and fluid inlet channels, flexible tubes connected to the nipples, a valve fitting connected with the tubes and means on the valve fitting insertable within a bottle for filling the bottle and returning foamy fluid to the receptacle.

2,023,096

BEVERAGE DISPENSING DEVICE

Carl Zafuta, Arma, Kans., assignor of one-half to John Dobrasz, Franklin, Kans.

Application May 2, 1934, Serial No. 724,652

10 Claims. (Cl. 225—16)



1. In a device of the character described, a container, a stand for the container including a plate, arms pivotally connected with the plate, means for clamping the arms to the container, legs carried by the arms, and clamping means on the legs adapted to engage the chime of a barrel to support the container.

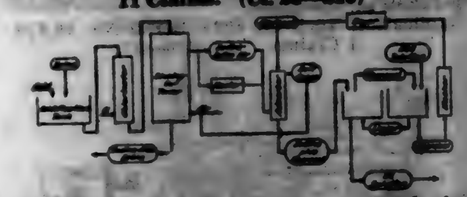
2,023,098

PROCESS FOR EXTRACTING IODINE

Leonard C. Chamberlain and George W. Hooker, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application December 28, 1932, Serial No. 648,248

11 Claims. (Cl. 23—216)



1. The process of producing an iodide from natural iodiferous brines and the like which comprises liberating the iodine in the brine, blowing the iodine out with a current of air, adsorbing the iodine from the air current by contacting the latter with a body of active carbon, while maintaining the temperature of said current above the dew point thereof, and extracting the iodine from the carbon by treating with a hot solution of an alkali.

2,023,100

TREATMENT OF HYDROCARBON OILS

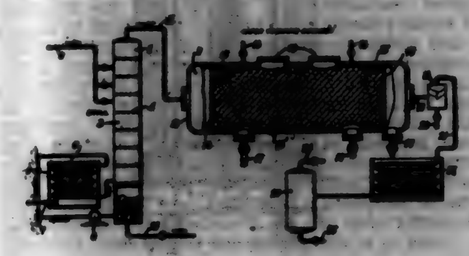
Richard J. Dearborn, Summit, N. J., and William M. Stratford, New York, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application October 18, 1930, Serial No. 489,218

2 Claims. (Cl. 196—46)

3. The method of refining hydrocarbon vapors containing unstable unsaturated constituents

which comprises passing said vapors in a horizontal direction through a bed of solid adsorptive catalyst effective to promote polymerization of said unstable unsaturated constituents to compounds of higher boiling point, without substantial change in the direction of flow of the vapors out of the horizontal as they pass through the



bed, at a temperature below a cracking temperature, causing the polymers formed to condense and flow downwardly through the bed of catalytic material in a direction lateral to that of the flow of vapors, removing said polymers from the lower portion of the bed of catalytic material and separately removing the treated vapors.

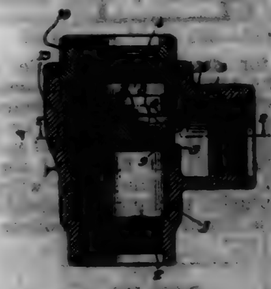
2,023,161

VACUUM BREAKER VALVE

Edward A. Fredrickson, Chicago, Ill., assignor to Crane Company, Chicago, Ill., a corporation of Illinois

Application March 30, 1932, Serial No. 601,902

2 Claims. (Cl. 4—70)



1. In a pressure actuated valve of the character described, a casing comprising respectively a fluid inlet, a fluid side outlet and a vent opening to atmosphere substantially coaxial with said inlet opening, a valve chamber within said casing positioned between the said inlet and the said vent, the said chamber having a side passageway to the said outlet, respective annular seats for the said inlet and the said vent within the said chamber, a plate type tiltable valve closure member normally seated by gravity at the lower portion of the said chamber and fitting closely therewithin for its entire maximum periphery except for that peripheral portion which is interrupted so as to form the said side passageway, the said closure member being freely movable axially within the said chamber and having respective seat bearing contacts upon its upper and lower surfaces, the lift of the said valve closure member being substantially less than the diameter of the said seats whereby the latter lift limitation allows for the tilting of the said closure member so that the said closure member upon its initial actuation by line pressure is capable of contacting simultaneously at both of its respective upper and lower seats.

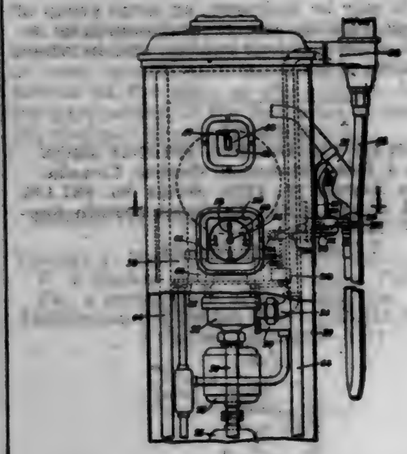
2,023,162

LIQUID DISPENSING DEVICE

Harry T. Goss, Rutherford, N. J., and Bjornulf Johnsen, Brooklyn, N. Y., assignors to L. N. S. Corporation, New York, N. Y., a corporation of Delaware

Application December 16, 1932, Serial No. 647,596

36 Claims. (Cl. 221—95)



1. In liquid delivery apparatus having a delivery hose, in combination, a meter, an indicator movable away from zero position in proportion to the amount of fluid passed through the meter, mechanism for resetting the indicator to zero position, means for delivering liquid through the meter, actuating means for starting and stopping the delivery means, means interconnecting the resetting mechanism and the actuating means to insure the indicator being at zero position when the delivery means is started and means connected with the hose and preventing the starting of the delivery means except when the means connected with the hose is under tension.

2,023,163

ANTHRIMIDE CARBAZOLE VAT DYESTUFFS AND PROCESS OF PREPARING THE SAME

Donald F. Graham, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 3, 1933, Serial No. 674,230

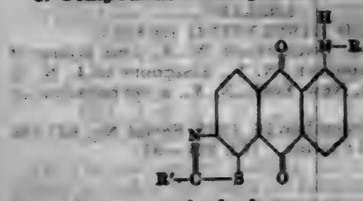
12 Claims. (Cl. 260—44)

1. A process of producing a vat dyestuff, which comprises fusing pentanthrimide with aluminum chloride at temperatures not materially above 200° C. and subjecting the product to oxidation.

4. A vat dyestuff substantially identical with the product obtained according to claim 3, said dyestuff dyeing cotton in bright, yellowish-olive shades.

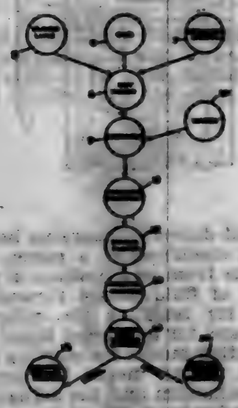
2,028,104
INTERMEDIATES AND DYESTUFFS OF THE ANTHRAQUINONE SERIES
Donald P. Graham, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 28, 1933, Serial No. 695,464
9 Claims. (Cl. 260—44)

1. Compounds of the general formula



in which R may be hydrogen, an aroyl group of the benzene, naphthalene or anthraquinone series, or an anthraquinone radical, and in which R' is a radical of the benzene series.

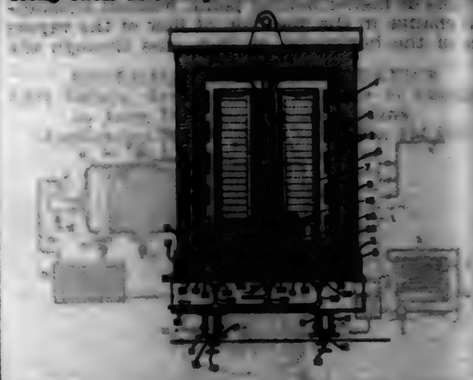
2,028,105
METHOD OF PRODUCING SPONGE IRON
Casimir J. Head, Montreal, Quebec, Canada
Application August 28, 1933, Serial No. 687,195. Renewed June 3, 1935. In Great Britain September 7, 1932
7 Claims. (Cl. 75—14)



1. A method of producing iron sponge which comprises mixing iron oxide ore with carbonaceous material and slaked lime, adding water, forming the mixture into briquettes, and aging the briquettes, in the absence of heat, for a period not less than five days to allow of the more effective chemical reaction between the alkaline hydrate and the acid content of the mix to take place, thus ensuring a slow and gradual evolution of the tenaciously held combined water from the briquettes during subsequent reduction thereof.

2,028,106
BELL TYPE ANNEALING FURNACE
Albert N. Otis, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 23, 1934, Serial No. 754,478
5 Claims. (Cl. 266—5)

1. In a bell type annealing furnace, a base subject to the liberation of air comprising an annular portion constructed to support the bell of the furnace, a central portion constructed to support the work being annealed and an air tight sheet metal cover therefor inclosing parts covering each of said portions and an intermediate



resilient part connecting said first mentioned parts so as to provide for independent expansion and contraction of said parts.

2,028,107
METHOD OF AND MEANS FOR SEALING CONTAINERS AGAINST LEAKAGE AND TAMPERING
Edgar R. Shaner, Sharon, Pa., assignor to The Petroleum Iron Works Co. of Ohio, Sharon, Pa., a corporation of Ohio
Application August 8, 1935, Serial No. 471,722
8 Claims. (Cl. 220—39)



1. Means for stopping receptacle openings, comprising the combination with a standard assembly including a ring and its complemental bushing, of a filling throat having an upstanding flange adapted to be forced into packing retaining relation with the flange of the bushing in the act of securing the latter with relation to the receptacle, packing intermediate said flanges, and a closure for the bottom of said throat.

2,028,108
WICKET
Harry Shier, New York, N. Y.
Application August 4, 1932, Serial No. 627,515
16 Claims. (Cl. 20—39)



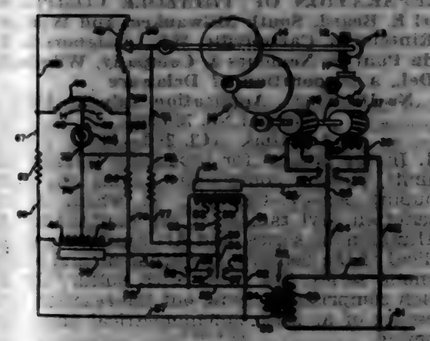
1. A wicket for a door to permit inspection of conditions on the side of the door obversely related to the observer without the necessity of

opening the door, and for association at an opening through the door for that purpose provided, which comprises a frame for the opening, a closure for the opening pivoted upon the frame at the inner face thereof, the closure being so pivoted that it tends normally to gravitate to a position where it will cover the entire opening, the closure moving in a plane substantially parallel to the door upon which it is to be mounted, an abutment on the frame, the abutment being formed to receive and support the closure when it reaches substantially the opening covering position, a projection from the closure, said projection, when the closure has gravitated to its opening covering position, being stopped against the abutment, and a latch carried by the plate, the latch, when the closure is moved to opening covering position, riding vertically over the abutment beyond the receiving and engaging portion of the abutment and assuming a position to engage against the abutment on the side removed from that with which the projection is to abut.

2,028,109
DISINFECTIONAL SPRAY
Irwin Stone, New York, N. Y.
No Drawing. Application April 9, 1934, Serial No. 719,748
6 Claims. (Cl. 167—33)

1. The process of facilitating the removal of spray residues which consists in incorporating in the spray compound an aqueous-insoluble material which is inert toward said compound, but which reacts with alkali wash solutions to form a gas which mechanically dislodges the residue film.

2,028,110
REMOTE CONTROL SYSTEM
Daniel G. Taylor, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 5, 1935, Serial No. 15,944
16 Claims. (Cl. 236—74)



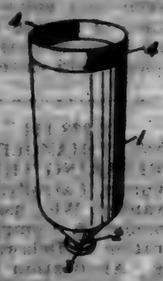
1. In an air conditioning system, an element in control of the condition of a space to be controlled, electrical means in control of said element, a switch in control of said electrical means, a variably energizable electrical device in control of said switch, a condition responsive means in control of the energization of said device for varying the current flow thereto, and resistance means associated with said device and controlled by said switch, arranged to vary the current flow through said device, upon closure of said switch, in such manner as to increase the contact pressure of said switch.

2,028,111
EYER COUNTER
Charles A. Thurston, Haverhill, Mass., assignor to John W. Herlihy, William W. Herlihy, and John J. Herlihy, all of Haverhill, Mass., doing business as Lowell Counter Company, Lowell, Mass.
Application August 2, 1935, Serial No. 34,410
6 Claims. (Cl. 36—68)



1. A shoe counter having an inwardly projecting bottom flange, and having a rib on the upper or inner side of said flange adjacent the inner surface of the sides of the counter, to support the edge portion of the flange out of contact with the heel part to which it is applied.

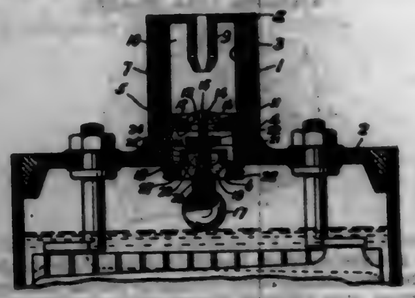
2,028,112
HERMETIC CLOSURE FOR COLLAPSIBLE TUBES
Charles J. Westin, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 4, 1931, Serial No. 561,111
2 Claims. (Cl. 113—121)



1. A process of hermetically sealing a tube of collapsible material, which process consists in, coating the entire circumferential surfaces on both sides of a tube adjacent one end thereof with cement before the tube is filled and restricting said cement to said surfaces, then closing the coated end of the tube by pressing the opposite inner walls of the tube into contact with each other without folds between them and by folding the coated end at the coated portion after the tube has been filled with the material it is to contain, and then causing the cement to unite into an impervious seal within the turns of the fold and surrounding the ends of the fold.

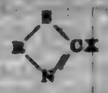
2. A collapsible tube of bendable metal having one end hermetically sealed by a clipless closure strong enough to withstand considerable manual handling, said closure comprising, the opposite inner walls of one end of the tube compressed into alignment with each other without folds between them, a layer of cement interposed between said inner walls also bonded to the outer walls and covering said closure so as to form a coating about said closure, and a fold formed transversely of the tube at said end of the tube.

2,028,113
NONSPILL VENT PLUG
Joseph Lester Woodbridge, Philadelphia, Pa., assignor to The Electric Storage Battery Co., Philadelphia, Pa., a corporation of New Jersey
Application September 27, 1933, Serial No. 691,149
7 Claims. (Cl. 136—178)



1. A vent plug for a container of fluids which evolve gas, said plug including, in combination, a body having a cavity therein and an inlet and an outlet therein connecting with said cavity, a valve seat in said cavity between said inlet and said outlet, a ledge on said body forming a support, a valve co-operating with said valve seat and having a downwardly projecting portion, and a weight having an edge normally supported on said ledge and capable of tilting movement on said ledge at the lateral wall of said cavity and having a cavity to receive said downwardly projecting portion of said valve therein, the engagement between said valve and said weight being at a surface of limited area just beneath the plane of said ledge so that tilting movement of said weight closes said valve on said seat.

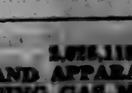
2,028,114
BENZANTHRONE THIAZOLE AND PROCESS OF PREPARING THE SAME
Alexander J. Wuerta, Carrollville, and Myron S. Whelen, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 29, 1933, Serial No. 668,628
13 Claims. (Cl. 260—44)
1. A compound of the general formula:



wherein R stands for a divalent benzanthrone radical to which the S and N are connected in the α and β positions respectively while X stands for hydrogen, alkyl or aryl.

2,028,115
DIBENZANTHRONE-AZOLE AND PROCESS OF PREPARING THE SAME
Alexander J. Wuerta, Carrollville, and Myron S. Whelen, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 29, 1933, Serial No. 668,622
16 Claims. (Cl. 260—44)
1. A vat dyestuff of the dibenzanthrone-azole series, yielding upon cotton grey to dark blue and black dyeings, said dyestuff being obtainable by subjecting to alkali-fusion a compound of the group consisting of a benzanthrone-1,2-thiazole and a benzanthrone-1,2-selenazole.

2,028,116
BENZANTHRONE SELENAZOLE AND PROCESS OF PREPARING THE SAME
Alexander J. Wuerta, Carrollville, and Myron S. Whelen, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 29, 1933, Serial No. 668,631
13 Claims. (Cl. 260—44)
1. A compound of the general formula:

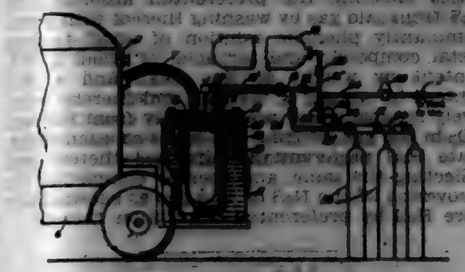


wherein R stands for a divalent benzanthrone radical to which the S and N are connected in the α and β positions respectively while X stands for hydrogen, alkyl or aryl.

2,028,117
MANUFACTURE OF DYESTUFFS AND INTERMEDIATES OF THE DIBENZANTHRONE SERIES
Alexander J. Wuerta, Carrollville, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 22, 1931, Serial No. 570,276
8 Claims. (Cl. 260—61)
1. In the preparation of dioxy-dibenzanthrone compounds, the step which comprises reacting an impure dioxy-dibenzanthrone compound in alkaline solution in the presence of a metal which in such alkaline solution liberates hydrogen.

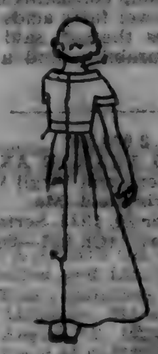
2,028,118
PREPARATION OF THIAZOLE COMPOUNDS
Earl E. Beard, South Milwaukee, and William L. Rintelman, Carrollville, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 26, 1934, Serial No. 736,964
4 Claims. (Cl. 260—44)
1. In the process for producing thiazole compounds wherein compounds having the atomic grouping Ar—N=CH—Ar', in which Ar represents an aryl radical of the naphthalene and anthraquinone series, and Ar' represents an aryl radical of the benzene, naphthalene and anthraquinone series, are fused with sulfur, the step which comprises carrying out the reaction in the presence of at least stoichiometrical amounts of bromine.

2,028,119
METHOD AND APPARATUS FOR DISPENSING GAS MATERIAL
George J. Boshkoff, Buffalo, N. Y., assignor to The Linde Air Products Company, New York, N. Y., a corporation of Ohio
Application May 23, 1934, Serial No. 726,497
12 Claims. (Cl. 62—1)
1. The method of dispensing gas material to consuming apparatus at a desired service pressure which comprises supplying a suitable vaporizing device with liquefied gas, converting the liquefied gas material into gaseous phase, discharging vaporized gas material into a plurality



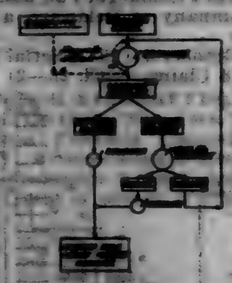
of receivers operating on successively different pressures, and thereafter supplying consuming apparatus from said receivers by discharging the same successively.

2,028,120
DOLL AND COSTUME
Betty Campbell, New York, N. Y.
Application November 15, 1932, Serial No. 643,744
8 Claims. (Cl. 46—157)



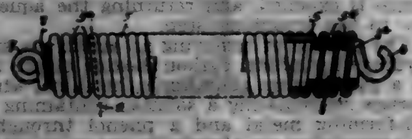
1. A garmented doll including a flat doll body of but two substantial dimensions, in combination with a three dimensional garment of stiff sheet material loosely hung on and encircling the doll and standing out on all sides away from the flat doll body, said garment terminating in a flattened upper portion fitted to the shoulders of the doll body and suspending the garment by supporting engagement with said shoulders.

2,028,121
HIGH OCTANE NUMBER GASOLINE AND METHOD OF MANUFACTURE
Osceola P. Cottrell, Scarsdale, N. Y., assignor to Edeleanu Gesellschaft m. b. H., a corporation of Germany
Application May 12, 1932, Serial No. 611,217
5 Claims. (Cl. 196—29)
1. A continuous process for converting substantially all of a straight run gasoline into high octane number gasoline, comprising the steps of separating the gasoline into a low boiling fraction and a high boiling fraction, treating the high boiling fraction with liquid SO_2 or like solvent, separating the raffinate and extract, removing the solvent therefrom, cracking the raffinate, recycling the cracked raffinate by mixing it with the straight run gasoline stock entering the cycle and blending said extract with said low boiling



fraction to produce the high octane number gasoline.

2,028,122
TERMINAL END FOR COILED SPRINGS
Alvin H. Flaveth, Chicago, Ill., assignor to Gardner Wire Co., Chicago, Ill., a corporation of Illinois
Application November 22, 1934, Serial No. 754,235
2 Claims. (Cl. 267—73)



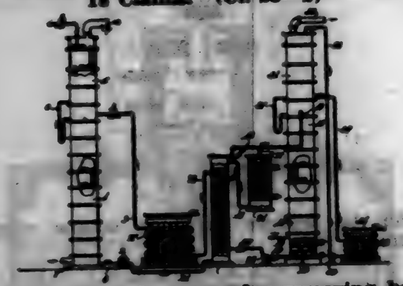
1. A device of the kind described comprising an elongated spiral wire spring that is transversely flexible through its length and having convolutions of uniform pitch, and a universally flexible terminal member engaged with a plurality of convolutions at an end of said spring, said member consisting of a spiral wire spring having a plurality of convolutions of greater pitch than the convolutions of the spring which are engaged by said member and thereby force the plurality of engaged spring convolutions to a wider pitch than their normal pitch and maintain said engaged convolutions under tension, whereby the end portion of the spiral wire spring and the spiral wire member engaged therewith retain transverse flexibility and are expandable longitudinally.

2,028,123
SILENCER FOR FLUSH VALVES
Joseph Freed, San Francisco, Calif.
Application March 14, 1933, Serial No. 660,617
3 Claims. (Cl. 137—111)



1. A flush valve silencer comprising, a cylindrical casing adapted to be connected to the inflow port of the valve; and a plurality of baffles arranged in transverse spaced relation in said casing, each of said baffles being of a diameter corresponding to that of the interior of the casing and formed of material the periphery of which will yield from circumferential contact with the casing to permit the flow of fluid to the inflow port when the flush valve is opened.

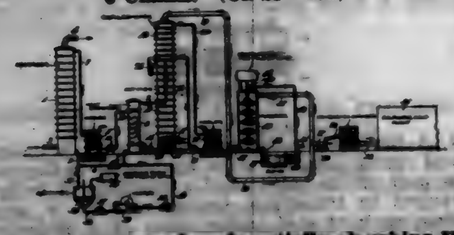
2,028,134
SEPARATION AND PURIFICATION OF GASEOUS MIXTURES
Joseph A. Shaw, Pittsburgh, Pa., assignor to The Koppers Company of Delaware, a corporation of Delaware
Application October 24, 1931, Serial No. 570,961
18 Claims. (Cl. 23—2)



1. An improved process for removing hydrogen sulfide from gas mixtures which comprises scrubbing the gas with a concentrated aqueous solution of an alkali salt of an acid of the class of phenol and its alkylated substitution products, separating the unabsorbed gas and heating the total liquid product from the absorption step to substantially boiling point, whereby the hydrogen sulphide is expelled, and returning the aqueous liquor to the scrubbing step.

5. The process of removing an acidic gas such as hydrogen sulphide, carbon dioxide or the like from a gas mixture containing the same, which comprises recirculating a solution containing an alkali-forming metal and a phenol through a cycle comprising an absorption stage, in which the solution is brought into contact with the gas mixture at an ordinary temperature for the absorption of said acidic gas therefrom, and an actification stage, in which the solution is heated to drive off said absorbed acidic gas and is thereby regenerated for further use, the molar ratio of said alkali-forming metal to said phenol being from 2:1 to 2:3, calculated as ROH (where R represents alkali-forming metal) and phenol, and effecting for the absorption stage a change in phase of the phenol from the phase in the actification stage whereby retarding by the phenol of absorption of acidic gas from the gas mixture by the alkali is minimized.

2,028,135
PROCESS OF OBTAINING HYDROGEN SULPHIDE
Joseph A. Shaw, Pittsburgh, Pa., assignor to The Koppers Company of Delaware, a corporation of Delaware
Application January 8, 1932, Serial No. 585,419
6 Claims. (Cl. 23—181)

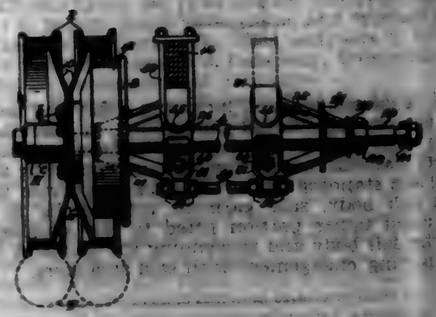


1. In a process of preferentially absorbing H_2S from gaseous mixture containing relatively small amounts of carbon dioxide as compared to hydrogen sulphide for recovery therefrom of substantially pure H_2S, the improvement which comprises effecting the preferential absorption of H_2S from said gas by washing thereof with a predominantly phenolic solution of alkali-forming metal compound and tar acid, of about a 10% content by weight of the alkali and a 15% content by weight of tar acid and thereby selectively removing H_2S preferentially from H_2S and CO_2 in the gas, heating the spent solution to liberate H_2S preferentially absorbed thereby and collecting the same, and thereby completing the recovering of the H_2S of said gas as substantially pure H_2S by preferential absorption thereof.

2,028,136
PHONOGRAPH RECORD
Richard F. Warren, Stratford, Conn., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application July 7, 1930, Serial No. 466,632
6 Claims. (Cl. 196—22)

1. A laminated sound record comprising a fibrous core at least the surface of which is impregnated with a hardened artificial resin to render the core moisture resistant, and which is provided with a playing groove receiving surface containing as the sole resinous constituent a vinyl resin of the group consisting of polymerized vinyl esters of the lower fatty acids, vinyl halides, styrol and mixtures thereof, said record being characterized by durability and a minimum of surface noise.

2,028,137
TRUSSED TRAILER AXLE
Charles T. Hutchens and Virgil V. Anderson, Springfield, Mo.
Application October 20, 1934, Serial No. 749,296
7 Claims. (Cl. 287—46)



1. A trussed vehicle axle including: trussing means carried adjacent either end of said axle and extending above and below the same, brace on either side of said axle and embedded in said trussing means, said braces being spaced from each other at the points of load but converging at the points of suspension, means extending at right angles to said axle and carried by said trussing means and the vehicle body to brace the same against torsional stresses, and means connecting said trussing means to each other.

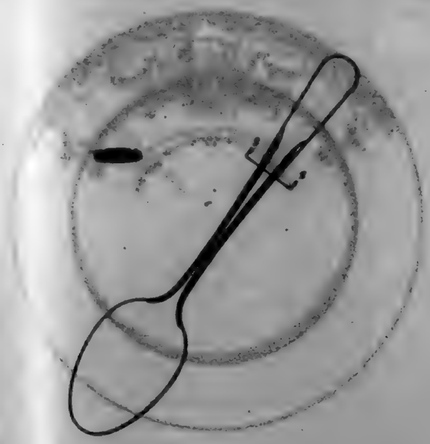
DESIGNS

98,134
DESIGN FOR A SHOE
Jacob Abowitz, New York, N. Y.
Application December 2, 1935, Serial No. 59,576
Term of patent 3½ years



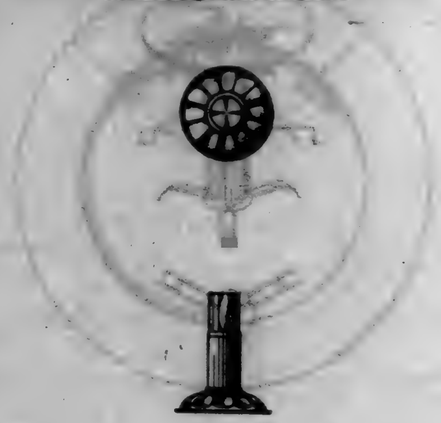
The ornamental design for a shoe, substantially as shown and described.

98,135
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Howard M. Bullen and Charles A. Joslin, North Attlebore, Mass., assignors to R. Blackinton & Co., North Attlebore, Mass., a copartnership
Application August 22, 1934, Serial No. 53,021
Term of patent 7 years



The ornamental design for a spoon or similar article, as shown and described.

98,136
DESIGN FOR A CIGARETTE LIGHTER
Richard Emil Berthold, New York, N. Y., assignor to Platinum Products Company, Inc., New York, N. Y., a corporation of New York
Application December 3, 1935, Serial No. 59,585
Term of patent 14 years



The ornamental design for a cigarette lighter, substantially as shown.

98,137
DESIGN FOR A SETTEE
Salvatore Bevelacqua, New York, N. Y., assignor to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 21, 1935, Serial No. 59,481
Term of patent 7 years



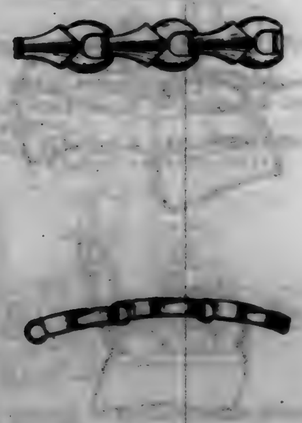
The ornamental design for a settee, as shown.

98,138
DESIGN FOR A TABLE
Salvatore Bovalesqua, New York, N. Y., assignor to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 21, 1935, Serial No. 50,632
Term of patent 7 years



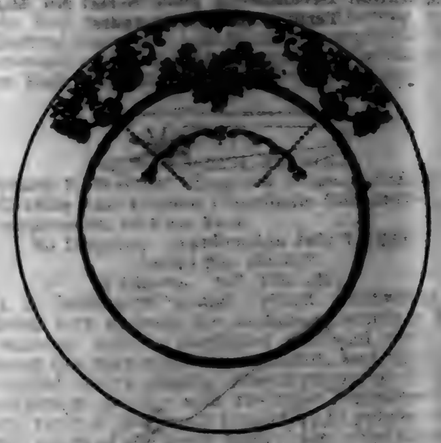
The ornamental design for a table, as shown.

98,139
DESIGN FOR A WATCH BRACELET
Marvin J. Bruner, New York, N. Y.
Application November 26, 1935, Serial No. 50,768
Term of patent 3½ years



The ornamental design for a watch bracelet as shown.

98,140
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Ikuma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 50,671
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

98,141
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Ikuma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 50,863
Term of patent 7 years



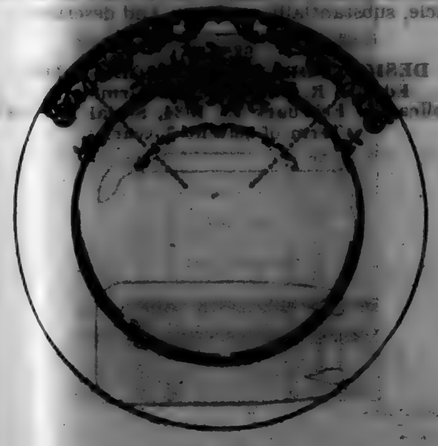
The ornamental design for a plate or similar article as shown and described.

98,142
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Ikuma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 50,864
Term of patent 7 years



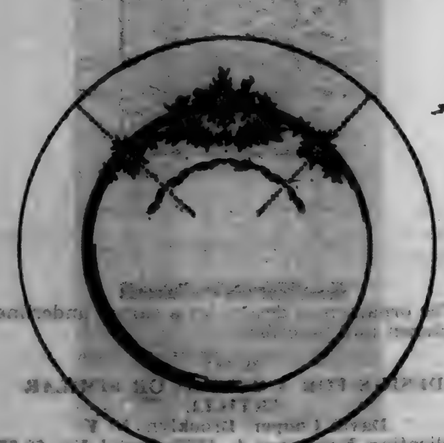
The ornamental design for a plate or similar article, as shown and described.

98,143
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Ikuma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 50,865
Term of patent 7 years



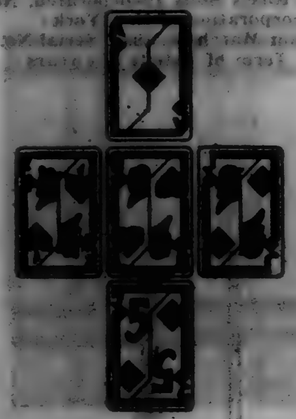
The ornamental design for a plate or similar article, as shown and described.

98,144
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Ikuma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 50,865
Term of patent 7 years



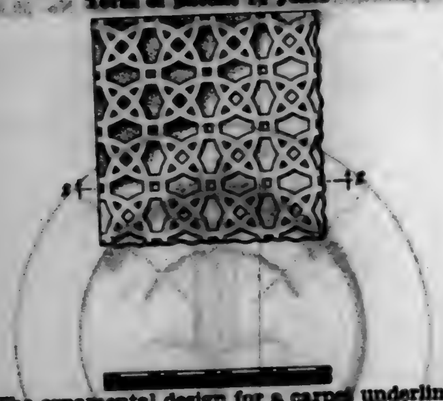
The ornamental design for a plate or similar article, as shown and described.

98,145
DESIGN FOR A SET OF PLAYING CARDS
Rudolf Busch, Mainz, Germany
Application February 19, 1934, Serial No. 50,777
In Germany October 19, 1935
Term of patent 3½ years



The ornamental design for a set of playing cards, as shown.

96,146
DESIGN FOR A CARPET UNDERLINER
Arthur L. Clements, Chicago, Ill., assignor to American Hair & Felt Company, Chicago, Ill., a corporation of Delaware
Application November 23, 1934, Serial No. 54,137
Term of patent 14 years



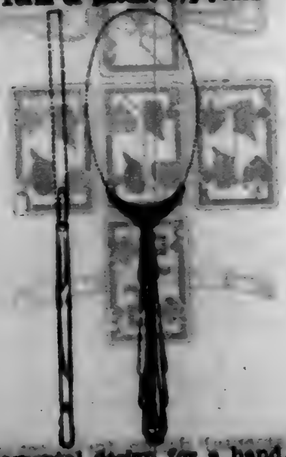
The ornamental design for a carpet underliner as shown and described.

96,147
DESIGN FOR A BUCKLE OR SIMILAR ARTICLE
David Cooper, Brooklyn, N. Y.
Application November 4, 1935, Serial No. 59,370
Term of patent 3½ years



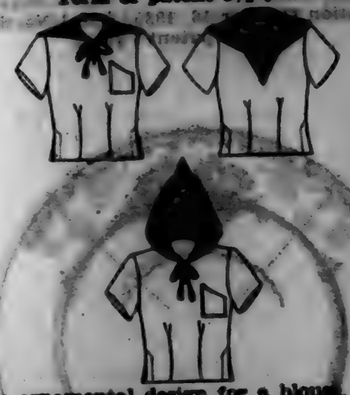
The ornamental design for a buckle or similar article as shown.

96,148
DESIGN FOR A HAND MIRROR OR SIMILAR ARTICLE
Joseph A. Despres, Scarsdale, N. Y., assignor to Bernard Rice's Sons Incorporated, New York, N. Y., a corporation of New York
Application March 30, 1935, Serial No. 56,135
Term of patent 3½ years



The ornamental design for a hand mirror or similar article as shown and described.

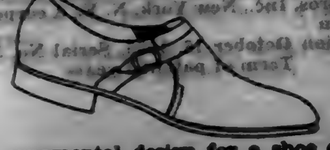
96,149
DESIGN FOR A BLOUSE
Marion Frances De Witt, New York, N. Y.
Application December 5, 1935, Serial No. 58,911
Term of patent 3½ years



The ornamental design for a blouse, substantially as shown, and described.

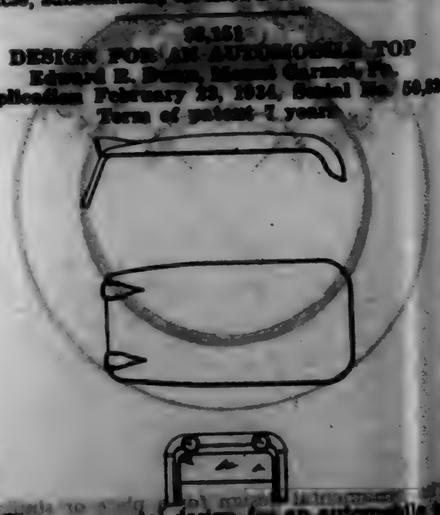
96,150
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Stanley T. Drake, Abington, Mass.
Application November 7, 1935, Serial No. 59,422
Term of patent 14 years





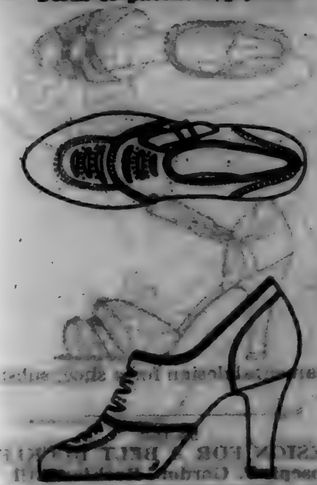
The ornamental design for a shoe or similar article, substantially as shown and described.

96,151
DESIGN FOR AN AUTOMOBILE TOP
Edward E. Dunn, Mount Carmel, Pa.
Application February 22, 1934, Serial No. 50,894
Term of patent 7 years



The ornamental design for an automobile top as shown.

96,152
DESIGN FOR A SHOE
Samuel Epstein, New York, N. Y.
Application November 26, 1935, Serial No. 59,703
Term of patent 3½ years



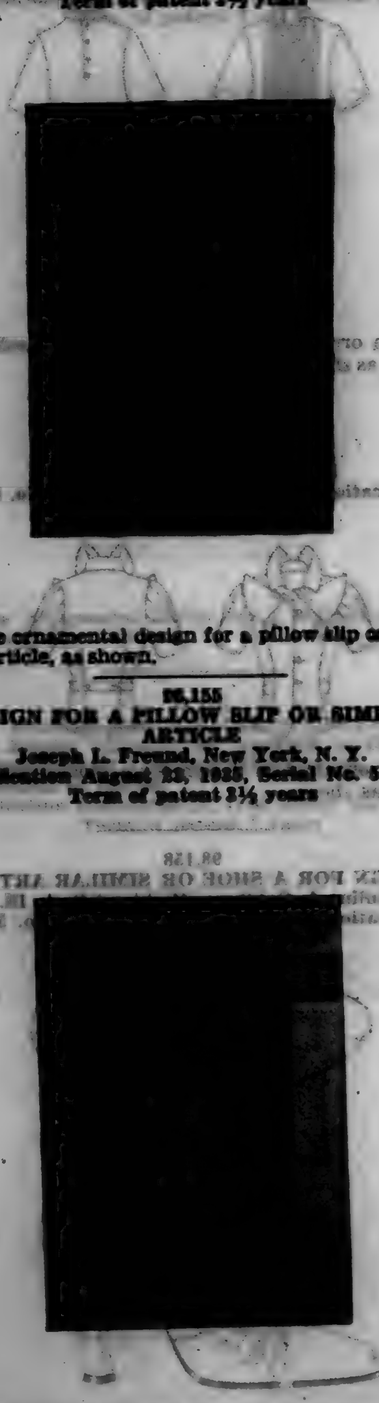
The ornamental design for a shoe, substantially as shown.

96,153
DESIGN FOR A PILLOW SLIP OR SIMILAR ARTICLE
Joseph L. Freund, New York, N. Y.
Application August 22, 1935, Serial No. 58,267
Term of patent 3½ years



The ornamental design for a pillow slip or similar article, as shown.

96,154
DESIGN FOR A PILLOW SLIP OR SIMILAR ARTICLE
Joseph L. Freund, New York, N. Y.
Application August 22, 1935, Serial No. 58,268
Term of patent 3½ years



The ornamental design for a pillow slip or similar article, as shown.

96,155
DESIGN FOR A PILLOW SLIP OR SIMILAR ARTICLE
Joseph L. Freund, New York, N. Y.
Application August 22, 1935, Serial No. 58,269
Term of patent 3½ years

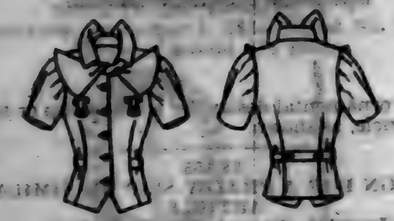
The ornamental design for a pillow slip, or similar article, as shown.

98,156
DESIGN FOR A BLOUSE
Irving Goist, New York, N. Y.
Application November 23, 1935, Serial No. 59,743
Term of patent 3½ years



The ornamental design for a blouse, substantially as shown, and described.

98,157
DESIGN FOR A BLOUSE
Irving Goist, New York, N. Y.
Application December 16, 1935, Serial No. 60,197
Term of patent 3½ years



The ornamental design for a blouse, substantially as shown.

98,158
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Julius A. Goldberg, Highland Park, Ill.
Application December 3, 1935, Serial No. 59,943
Term of patent 3½ years



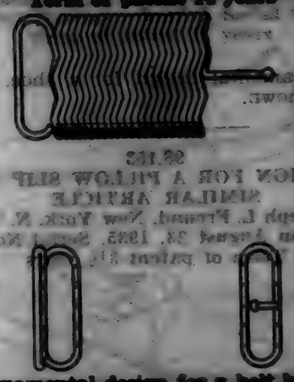
The ornamental design for a shoe or similar article, substantially as shown.

98,159
DESIGN FOR A SHOE
Anne Gordon, New York, N. Y.
Application November 14, 1935, Serial No. 59,521
Term of patent 3½ years



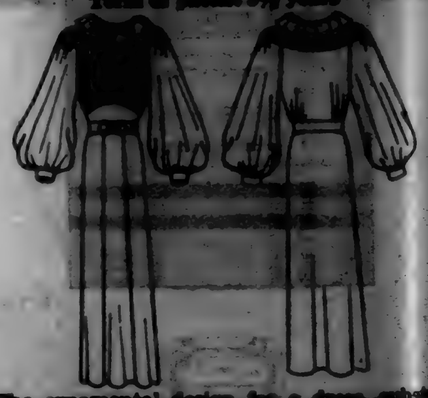
The ornamental design for a shoe, substantially as shown.

98,160
DESIGN FOR A BELT BUCKLE
Joseph P. Gordon, Rockford, Ill.
Application May 27, 1935, Serial No. 57,946
Term of patent 14 years



The ornamental design for a belt buckle, substantially as shown and described.

98,161
DESIGN FOR A DRESS
Abraham Gutkowski, New York, N. Y.
Application December 12, 1935, Serial No. 60,091
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

98,162
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Charles G. Hindman, New York, N. Y.
Application December 6, 1935, Serial No. 59,905
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

98,163
DESIGN FOR A CIRCULATION HEATER
David J. Howard, Chicago, Ill., assignor to Quaker Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 16, 1935, Serial No. 58,568
Term of patent 3½ years



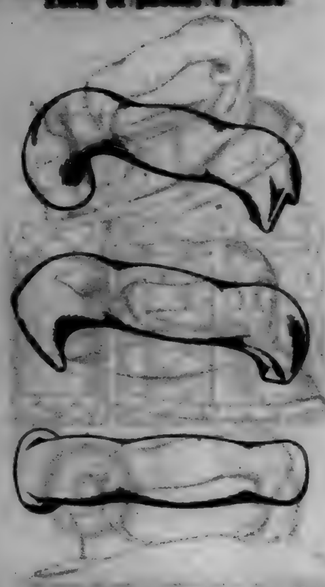
The ornamental design for a circulation heater substantially as shown and described.

98,164
DESIGN FOR A BLOUSE
[illegible], New York, N. Y.
Application [illegible], Serial No. 60,194
Term of patent [illegible]



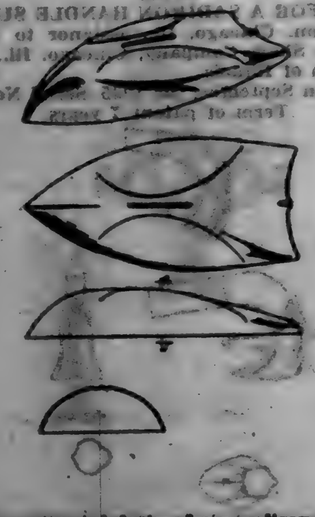
The ornamental design for a blouse, substantially as shown.

98,165
DESIGN FOR A SADIRON HANDLE
Ivar Jepsen, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application September 30, 1935, Serial No. 58,764
Term of patent 7 years



The ornamental design for a sadiron handle substantially as shown.

98,166
DESIGN FOR A SADIRON COVER
Ivar Jepsen, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application September 30, 1935, Serial No. 58,765
Term of patent 7 years



The ornamental design for a sadiron cover substantially as shown.

98,167
DESIGN FOR A SADIRON
Ivar Jepsen, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application September 30, 1935, Serial No. 58,766
Term of patent 7 years



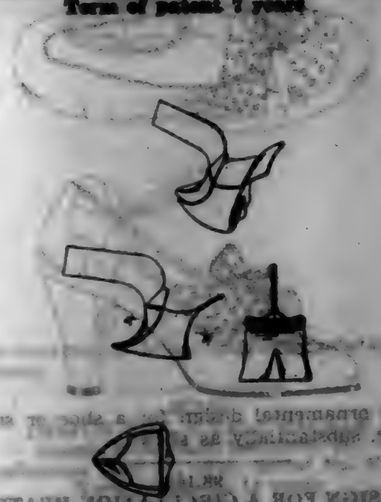
The ornamental design for a sadiron substantially as shown.

98,168
DESIGN FOR A SADIRON HANDLE SUPPORT
Ivar Jepsen, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application September 30, 1935, Serial No. 58,767
Term of patent 7 years



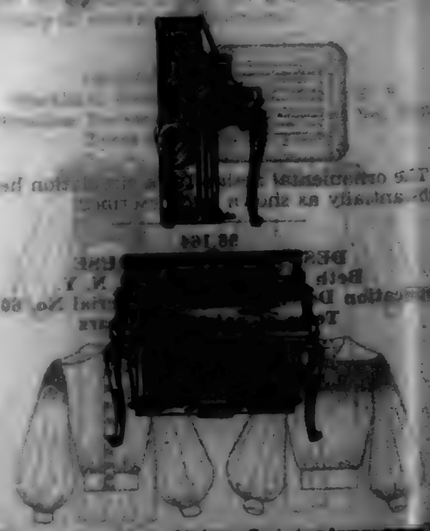
The ornamental design for a sadiron handle support substantially as shown and described.

98,169
DESIGN FOR A SADIRON HANDLE SUPPORT
Ivar Jepsen, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application September 30, 1935, Serial No. 58,768
Term of patent 7 years



The ornamental design for a sadiron handle support substantially as shown and described.

98,170
DESIGN FOR A PIANO CASE
Gardner C. Kavanagh, Rochester, N. Y., assignor to Aeolian American Corporation, East Rochester, N. Y., a corporation of New York
Application October 28, 1935, Serial No. 59,211
Term of patent 14 years

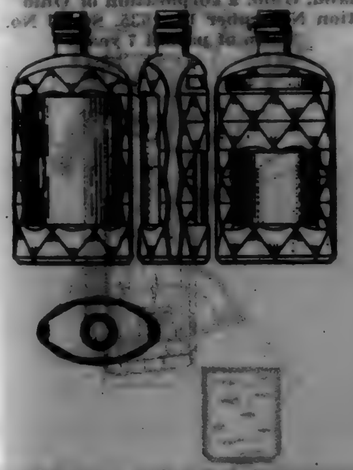


The ornamental design for a piano case as shown.

98,171
DESIGN FOR A HAND BAG
Milore Lending, New Bedford, Mass., assignor to Sol Mutterperl, Incorporated, New York, N. Y.
Application November 20, 1935, Serial No. 59,886
Term of patent 3½ years

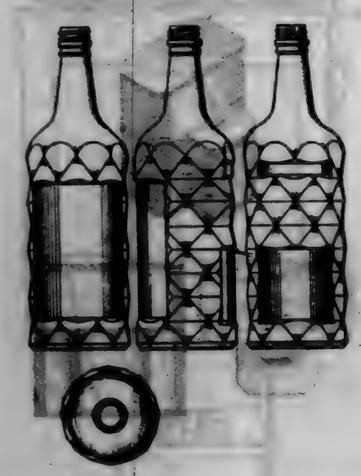
The ornamental design for a hand bag, as shown and described.

98,172
DESIGN FOR A BOTTLE
Calman Lewine, New York, N. Y., assignor to Julius Kessler Distilling Co., Inc., Lawrenceburg, Ind., a corporation of Indiana
Application September 11, 1935, Serial No. 58,515
Term of patent 14 years



The ornamental design for a bottle, as shown.

98,173
DESIGN FOR A BOTTLE
Calman Levine, New York, N. Y., assignor to Julius Kessler Distilling Co., Inc., Dearborn, Ind., a corporation of Indiana
Application September 11, 1935, Serial No. 58,519
Term of patent 14 years



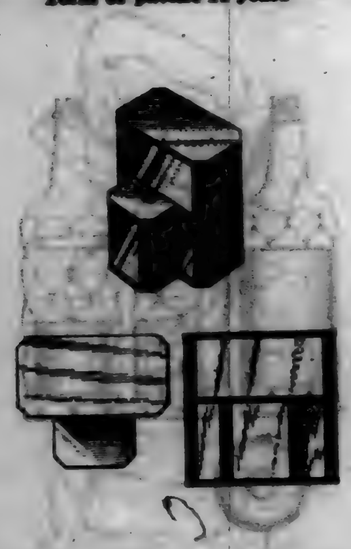
The ornamental design for a bottle, as shown.

98,174
DESIGN FOR A CANDLESTICK
William F. Lietz, Chicago, Ill., assignor to Holland Brass Works, Incorporated, Chicago, Ill., a corporation of Illinois
Application April 4, 1935, Serial No. 56,201
Term of patent 3½ years



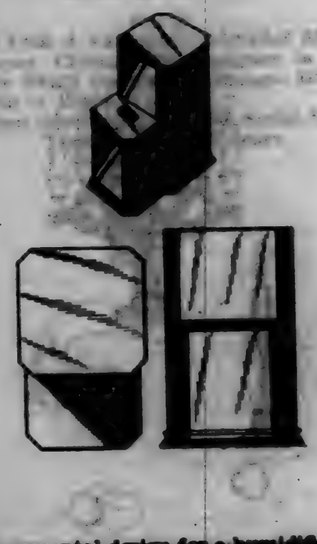
The ornamental design for a candlestick, as shown.

98,175
DESIGN FOR A HUMIDIFIER CASING
Fowler Manning, Bronxville, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application November 2, 1935, Serial No. 49,236
Term of patent 14 years



The ornamental design for a humidifier casing, as shown.

98,176
DESIGN FOR A HUMIDIFIER CASING
Fowler Manning, Bronxville, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application November 2, 1935, Serial No. 49,235
Term of patent 14 years



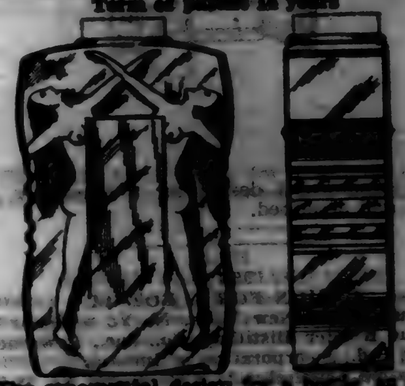
The ornamental design for a humidifier casing, as shown.

98,177
DESIGN FOR A FINGER RING OR SIMILAR ARTICLE
Benjamin H. Marvin, New York, and Benjamin Stolkowsky, Brooklyn, N. Y.
Application May 20, 1935, Serial No. 47,870
Term of patent 7 years



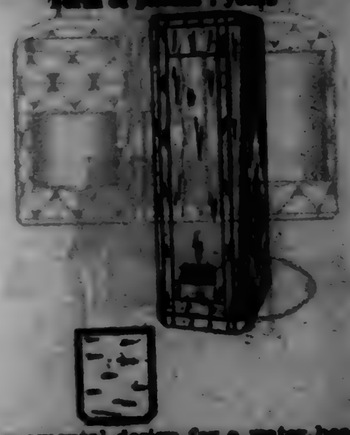
The ornamental design for a finger ring or similar article, as shown and described.

98,178
DESIGN FOR A BOTTLE
Frank McLaughlin, Chicago, Ill., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application November 6, 1935, Serial No. 50,411
Term of patent 14 years



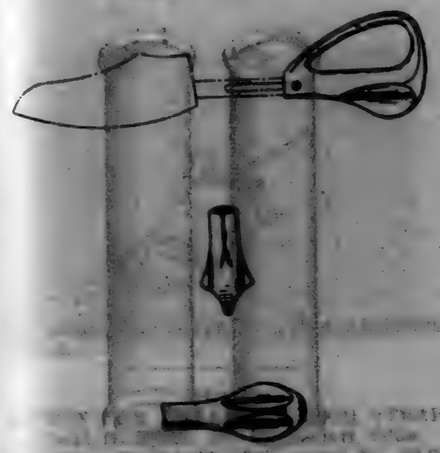
The ornamental design for a bottle, as shown and described.

98,179
DESIGN FOR A WATER HEATER
Clarence E. Morrow, Shaker Heights, Ohio, assignor to The Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio
Application November 13, 1935, Serial No. 50,504
Term of patent 7 years



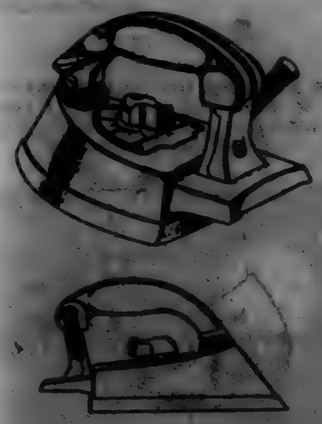
The ornamental design for a water heater, as shown.

98,180
DESIGN FOR A SHOE TREE
James B. Melnik, Rochester, N. Y., assignor to Scholler Last Co., Inc., Rochester, N. Y., a corporation of New York
Application November 14, 1935, Serial No. 50,573
Term of patent 14 years



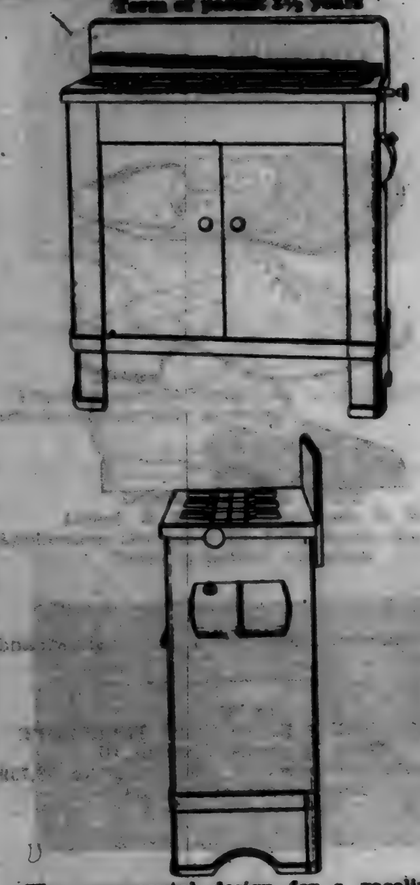
The ornamental design for a shoe tree, as shown and described.

98,181
DESIGN FOR AN ELECTRIC FLATIRON
Raymond E. Patton, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application October 31, 1935, Serial No. 50,162
Term of patent 14 years



The ornamental design for an electric flatiron substantially as shown, and described.

98,182
DESIGN FOR A GASOLINE COOK STOVE
George E. Fisher, Newark, Ohio, assignor to The Wehrle Company, Newark, Ohio, a corporation of Ohio
Application November 18, 1935, Serial No. 50,438
Term of patent 3½ years



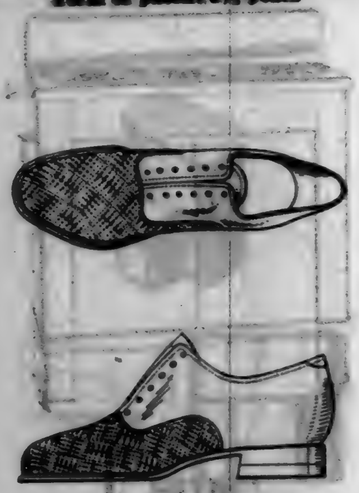
The ornamental design for a gasoline cook stove, substantially as shown and described.

98,183
DESIGN FOR A RADIOCABINET
Marshall C. Pumphrey, Los Angeles, Calif., assignor to Earl-ar Bros. Incorporated, Los Angeles, Calif.
Application November 11, 1935, Serial No. 50,509
Term of patent 3½ years



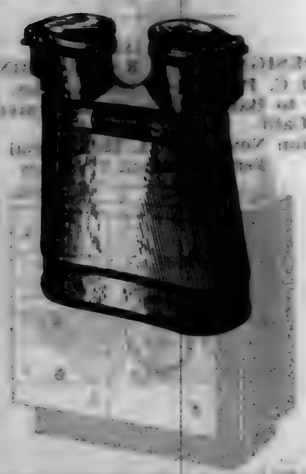
The ornamental design for a radiocabinet as shown and described.

98,184
DESIGN FOR A SHOE
Ernest A. Rainey, Manchester, N. H., assignor to Diamond Shoe Corporation, Brockton, Mass., a corporation of Massachusetts
Application September 30, 1935, Serial No. 58,837
Term of patent 3½ years



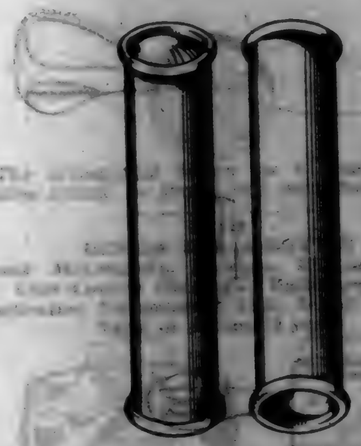
The ornamental design for a shoe, as shown and described.

98,185
DESIGN FOR A BINOCULAR TELESCOPE
Milton Reynolds, Chicago, Ill.
Application September 27, 1935, Serial No. 58,739
Term of patent 14 years



The ornamental design for a binocular telescope substantially as shown and described.

98,186
DESIGN FOR A RANGE BOILER
Richard S. Bloom, Oakland, Calif., assignor to Bloom Manufacturing Company, Richmond, Calif., a corporation of California
Application May 2, 1935, Serial No. 50,714
Term of patent 3½ years



The ornamental design for a range boiler substantially as shown.

98,187
DESIGN FOR A BRASSIERE
William Rosenthal, New York, N. Y., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York
Application October 11, 1935, Serial No. 53,949
Term of patent 14 years



The ornamental design for a brassiere, as shown.

98,188
DESIGN FOR A SHOE
Justin J. Rosenthal, Baltimore, Md.
Application December 5, 1935, Serial No. 59,214
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,189
DESIGN FOR A WRIST WATCH STRAP
Albert H. Sauer, Jr., Cincinnati, Ohio
Application August 22, 1935, Serial No. 56,235
Term of patent 7 years



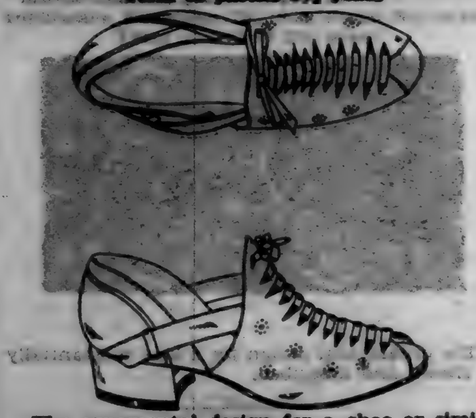
The ornamental design for a wrist watch strap, substantially as shown.

98,190
DESIGN FOR A FLAG OR SIMILAR ARTICLE
Ethel A. Steinhaus, New York, N. Y.
Application October 5, 1935, Serial No. 55,895
Term of patent 7 years



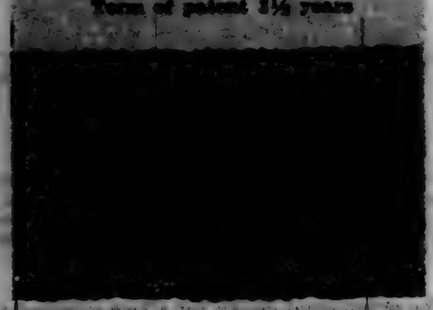
The ornamental design for a flag or similar article as shown and described.

98,191
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Seymour Troy, New York, N. Y.
Application December 2, 1935, Serial No. 59,367
Term of patent 3½ years



The ornamental design for a shoe or similar article substantially as shown.

98,192
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application December 19, 1935, Serial No. 60,240
Term of patent 3½ years



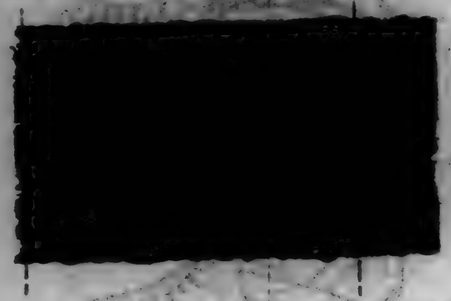
The ornamental design for a lace substantially as shown and described.

98,193
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application December 17, 1935, Serial No. 60,124
Term of patent 3½ years



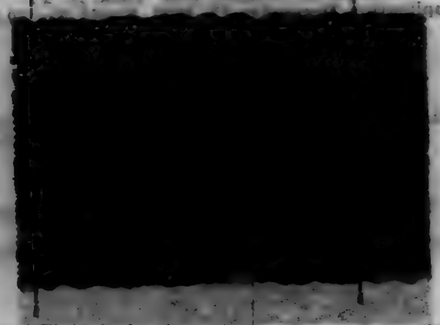
The ornamental design for a lace substantially as shown and described.

96,194
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application December 12, 1935, Serial No. 60,125
Term of patent 3½ years



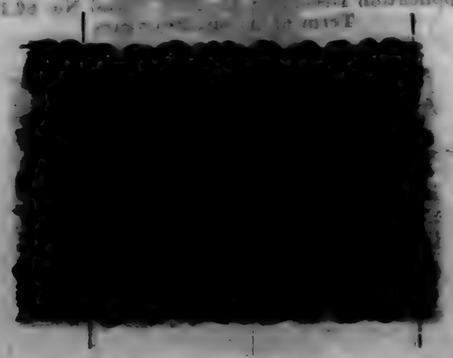
The ornamental design for a lace substantially as shown and described.

96,195
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application December 12, 1935, Serial No. 60,126
Term of patent 3½ years



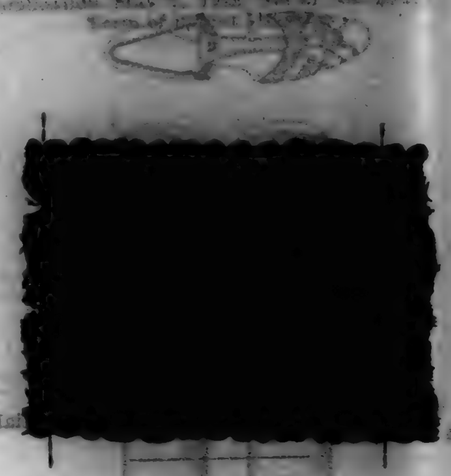
The ornamental design for a lace substantially as shown and described.

96,196
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application December 12, 1935, Serial No. 60,127
Term of patent 3½ years



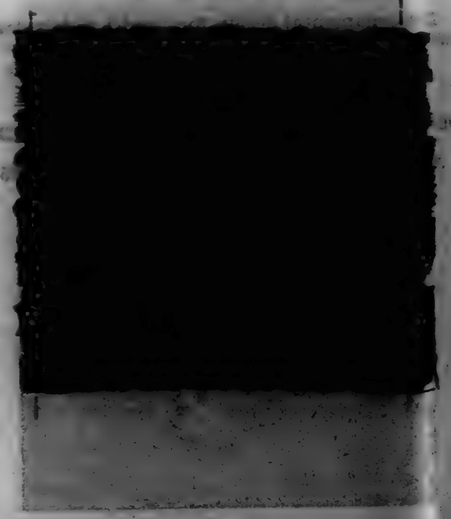
The ornamental design for a lace substantially as shown and described.

96,197
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application December 12, 1935, Serial No. 60,128
Term of patent 3½ years



The ornamental design for a lace substantially as shown and described.

96,198
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application December 12, 1935, Serial No. 60,129
Term of patent 3½ years



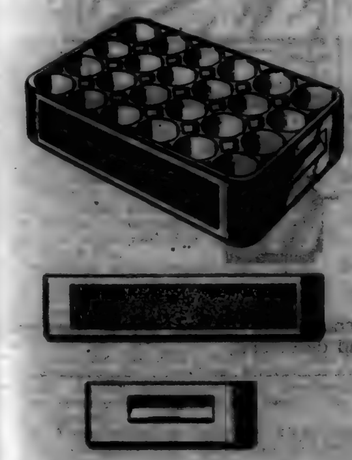
The ornamental design for a lace substantially as shown and described.

96,199
DESIGN FOR A SHOE
Otri Wolfolt, New York, N. Y.
Application December 2, 1935, Serial No. 59,996
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

96,200
DESIGN FOR A BOTTLE CRATE
Everett Werthington, Chicago, Ill., assignor to Coca-Cola Company, Atlanta, Ga., a corporation of Delaware
Application August 31, 1935, Serial No. 53,396
Term of patent 14 years



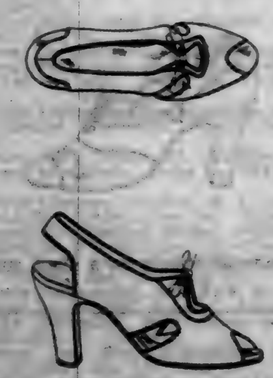
The ornamental design for a bottle crate, as shown.

96,201
DESIGN FOR A SHOE
Myron Cohen, Brighton, Mass., assignor to Stetson Shoe Co., Lynn, Mass., a corporation of Massachusetts
Application November 19, 1935, Serial No. 59,648
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

96,202
DESIGN FOR A SHOE
Myron S. Goldman, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application November 25, 1935, Serial No. 59,751
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

88,900
DESIGN FOR A SHOE
Myron S. Goldman, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application November 25, 1935, Serial No. 59,752
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

88,904
DESIGN FOR A SHOE
Myron S. Goldman, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application November 25, 1935, Serial No. 59,753
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

88,905
DESIGN FOR A SHOE
Herman Goldberg, Haverhill, Mass.
Application November 18, 1935, Serial No. 59,615
Term of patent 3½ years



The ornamental design for a shoe as shown.

88,906
DESIGN FOR A SHOW CASE
Frank L. Pollard, Oakland, Calif.
Application February 20, 1935, Serial No. 55,610
Term of patent 3½ years



The ornamental design for a show-case, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

(Act of Feb. 20, 1905, Sec. 9, as amended Mar. 2, 1907)

Affiliated Enterprises, Inc., Denver, Colo. Films for theatrical use. Serial No. 368,673; Jan. 14. Class 26.

Aktiengesellschaft Johannes Jaenrich, Berlin-Charlottenburg, Germany. Condensing products of phenols or of aldehyds, resins, and artificial resins. Serial No. 369,280; Jan. 14. Class 6.

Alkine Laboratories. (See Tobin, Meyer.)

American-London Shrinker Corp., New York, N. Y. Piece goods. Serial No. 366,601; Jan. 14. Class 42.

American Safety Razor Corporation, Brooklyn, N. Y. Razor blades and razors. Serial No. 371,340; Jan. 14. Class 28.

Amerita Grocers Association, Inc., New York, N. Y. Canned tuna fish, spaghetti, baked beans, etc. Serial No. 371,195; Jan. 14. Class 46.

Aromatic Flavor Company. (See Singer, Jacob.)

Atkin, William, Company, Inc., New York, N. Y. Shirts and pajamas. Serial No. 370,169; Jan. 14. Class 39.

Atlantic Calcamine Co., inc., Brooklyn, N. Y. Cold water calsomine and hot water calsomine. Serial No. 371,130; Jan. 14. Class 16.

Atlantic Refining Company, The, Philadelphia, Pa. Petroleum products. Serial Nos. 370,753-7; Jan. 14. Class 16.

Atlas Canning Company, Inc., doing business as Speedy Sales Co., Glendale, Long Island, N. Y. Canned food for dogs, cats, etc. Serial No. 371,345; Jan. 14. Class 46.

Atwood, Harry E., doing business as H. E. Atwood and Co., San Lorenzo, Calif. Salve for cuts, burns, etc. Serial No. 371,412; Jan. 14. Class 6.

Ault-Williamson Shoe Co., Auburn, Me. Shoes. Serial Nos. 370,885-1; Jan. 14. Class 39.

Bandoni, L., & Sons, Merced, Calif. Fresh vegetables. Serial No. 371,519; Jan. 14. Class 46.

Barbasol Company, The, Indianapolis, Ind. Paste-like preparation for shaving. Serial No. 371,297; Jan. 14. Class 4.

Baskind, Louis, & Co., Inc., New York, N. Y. Shirts. Serial No. 371,070; Jan. 14. Class 39.

Bates, Hamilton C., doing business as C. J. Bates & Son, Chester, Conn. Nail polish, bleach, powders, lotions, etc. Serial No. 371,071; Jan. 14. Class 6.

Bell & Gossett Company, Chicago, Ill. Water heaters and building heating systems and parts thereof. Serial No. 364,708; Jan. 14. Class 34.

Belle, Jo, Millinery, Inc., New York, N. Y. Ladies' hats. Serial No. 370,548; Jan. 14. Class 39.

Betz, W. H., & E. D., Philadelphia, Pa. Tetrahydroxyquinone indicator. Serial No. 371,344; Jan. 14. Class 6.

Beverage Factors, Ltd. (See McCollum, Spencer.)

Bocella, Vincenzo, doing business as Vita Company, Philadelphia, Pa. Medicinal preparation for coughs due to colds or bronchitis. Serial No. 370,540; Jan. 14. Class 6.

Baker, H., & Co., Inc., New York, N. Y. Articles of household cutlery. Serial No. 371,197; Jan. 14. Class 33.

Bonwit Teller, Inc., New York, N. Y. Bath and talcum powder, bath oil, etc. Serial No. 371,504; Jan. 14. Class 6.

Braden Manufacturing Company, Terre Haute, Ind. Metal roofing. Serial No. 363,982; Jan. 14. Class 13.

Buhrmann-Pfaff Hardware Company, Tennessee, Art. Axes. Serial No. 367,888; Jan. 14. Class 23.

Cahn, Belt & Co., Baltimore, Md. Rye whiskey. Serial No. 372,225; Jan. 14. Class 49.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Wetting out agents, emulsifying agents, etc. Serial No. 371,209; Jan. 14. Class 6.

Cat's Paw Rubber Company, Inc., Baltimore, Md. Rubber heels and soles and shoe tops. Serial No. 370,326; Jan. 14. Class 39.

Century Distilling Co., Peoria, Ill. Gin. Serial No. 372,301; Jan. 14. Class 49.

Century Distilling Co., Peoria, Ill. Whiskey. Serial No. 372,302; Jan. 14. Class 49.

Chemische Fabrik Grunau, Landshoff & Meyer A.-G., Berlin-Grunau, Germany. Medicinal and pharmaceutical preparation. Serial No. 371,237; Jan. 14. Class 6.

Chemische Fabriken Dr. Joachim Wiernik & Co. Aktiengesellschaft, Berlin-Waldmannshof, Germany. Preparation for treatment of obesity. Serial No. 369,152; Jan. 14. Class 6.

Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Camphor ice. Serial No. 371,900; Jan. 14. Class 6.

Collins & Aikman Corporation, Philadelphia, Pa., and New York, N. Y. Pile fabrics. Serial No. 371,555; Jan. 14. Class 42.

Continental Motors Corporation, Detroit and Muskegon, Mich. Sound reproducers and parts thereof. Serial Nos. 371,674-6; Jan. 14. Class 21.

Coon, W. B., Co., Rochester, N. Y. Shoes. Serial No. 370,691; Jan. 14. Class 39.

Cresta Blanca Wine Company, Livermore and San Francisco, Calif. Wines. Serial No. 371,681; Jan. 14. Class 47.

Cresta Blanca Wine Company, Livermore and San Francisco, Calif. Brandy. Serial No. 371,683; Jan. 14. Class 49.

Crew Levick Company, Philadelphia, Pa. Machine to be used for dispensing grease to any type of automotive vehicle. Serial No. 371,383; Jan. 14. Class 23.

Crown Equipment Co. Inc., Newark, N. J. Beer dispensing apparatus. Serial No. 371,690; Jan. 14. Class 32.

Daltroff, R., & Cie., doing business as Parfumerie Caron, Paris, France. Soaps. Serial No. 371,856; Jan. 14. Class 4.

Daltroff, R., & Cie., doing business as Parfumerie Caron, Paris, France. Perfumes, toilet waters, face and toilet powders, etc. Serial No. 371,857; Jan. 14. Class 6.

Davies-Young Soap Company, The, Dayton, Ohio. Liquid sporting solution for dry cleaning. Serial No. 371,967; Jan. 14. Class 4.

Depoe, Harry E., Somerton, Pa. Hand operated garden rakes. Serial No. 371,408; Jan. 14. Class 23.

Downer, Beatrice L., Hollywood, Calif. Astrological games. Serial No. 370,462; Jan. 14. Class 22.

Eagle Boys Suit Corp., New York, N. Y. Boys' suits, knickers, raincoats, etc. Serial No. 370,761; Jan. 14. Class 39.

El Dorado Brewing Company, Stockton Calif. Beer, ale, porter, and stout. Serial No. 372,218; Jan. 14. Class 49.

Electric Energy Co., Oakland, Calif. Chemical for use in storage battery electrolyte. Serial No. 371,814; Jan. 14. Class 6.

Ely and Leyendekker, Milwaukee, Wis. Shoes, slippers, and sandals. Serial No. 367,998; Jan. 14. Class 39.

Kitty Foyle Company, Moonachie, N. J. Synthetic resins. Serial No. 370,537; Jan. 14. Class 6.

Empire Manufacturing Company, Windsor Ga. Pants, overalls, work shirts, etc. Serial Nos. 371,761-2; Jan. 14. Class 39.

Engelke, William J., Fort Worth, Tex. Fireworks. Serial No. 372,216; Jan. 14. Class 9.

Equitable Trading Corporation, New York, N. Y. Brandy. Serial No. 372,591; Jan. 14. Class 49.

Evans Appliance Company, The, Detroit, Mich. Devices for adapting internal combustion engines to burn fuel oil. Serial No. 371,426; Jan. 14. Class 23.

Faucetqueen Company. (See Lehman, Carl H.)

Fedders Manufacturing Company, Inc., Buffalo, N. Y. Heat exchange units for refrigerating systems. Serial No. 371,360; Jan. 14. Class 34.

Fidalgo Island Packing Company, Seattle, Wash. Canned salmon. Serial No. 367,790; Jan. 14. Class 46.

Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. Serial No. 372,410; Jan. 14. Class 49.

Friedl, Domenico, doing business as Scientific Model Airplane Co., Newark, N. J. Toys. Serial No. 372,069; Jan. 14. Class 22.

Gem Salve Company, Peoria, Ill. Number game. Serial No. 371,861; Jan. 14. Class 22.

Gamble Stores, Incorporated, doing business as Royblue Distributors, Minneapolis, Minn. Batteries, flashlight batteries, and dry cells. Serial No. 371,868; Jan. 14. Class 21.

General Electric Company, Schenectady, N. Y. Air brakes and parts thereof. Serial No. 371,426; Jan. 14. Class 13.

General Houses, Inc., Chicago, Ill. Building plans, specifications, and pamphlets. Serial No. 371,160; Jan. 14. Class 37.

Geneva Milling Company, Geneva, N. Y. Patent wheat flour. Serial No. 368,848; Jan. 14. Class 46.

Goodall Worsted Co., Sanford, Maine. Outer wearing apparel. Serial No. 370,849; Jan. 14. Class 39.

Gooderham & Worts Limited, Detroit, Mich. Whiskey. Serial No. 366,861; Jan. 14. Class 49.

Grain Products Corporation, New York, N. Y. Brewer's malt. Serial No. 369,926; Jan. 14. Class 46.

Gray, Dorothy, Bloomfield N. J. Face powder. Serial No. 371,350; Jan. 14. Class 6.

Gregg Company, Inc., The, Philadelphia, Pa. Cleaner. Serial No. 371,905; Jan. 14. Class 4.

Gurjar, Anant M., doing business as Java-India Condiment Company, New York, N. Y. Mustard and curry powder. Serial No. 361,937; Jan. 14. Class 46.

Hansen, A. L., Mfg. Co., Chicago, Ill. Machine staples. Serial No. 372,208; Jan. 14. Class 13.

Help Foot, Inc., Cleveland, Ohio. Foot appliances. Serial No. 372,363; Jan. 14. Class 44.

Hull, Harry L., Queens Village, Long Island, N. Y. Hand cleaners, soaps, and the like. Serial No. 371,484; Jan. 14. Class 4.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Latex-thickening agents. Serial No. 371,208; Jan. 14. Class 6.
Indian Refining Company, Lawrenceville, Ill. Lubricating oils. Serial No. 371,008; Jan. 14. Class 15.
International Dress Co., Inc., New York, N. Y. Dresses. Serial No. 371,540; Jan. 14. Class 39.
International Fruit Corporation, Tampa, Fla. Citrus fruits. Serial No. 371,633; Jan. 14. Class 46.
Interstate Supply Service. (See Terry, Hubert L.)
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 371,101; Jan. 14. Class 39.
Isaacs, I. C., & Company Inc., Baltimore, Md. Riding breeches, jodhpurs, etc. Serial No. 371,434; Jan. 14. Class 39.
Java-India Condiment Company. (See Gurjar, Anant M.)
Jernkontoret, Stockholm, Sweden. Apparatus and scientific appliances for testing metals. Serial No. 362,576; Jan. 14. Class 26.
Johns-Manville Corporation, New York, N. Y. Composition shingles and roofing. Serial No. 369,923; Jan. 14. Class 12.
Johnson Steel & Wire Company, Inc., Worcester, Mass. Wire for musical instruments. Serial No. 369,057; Jan. 14. Class 36.
Joseph & Feiss Company, Cleveland, Ohio. Dresses, suits, coats, etc. Serial No. 371,104; Jan. 14. Class 39.
Kaier, Chas. D., Co., Inc., Mahanoy City, Pa. Porter. Serial No. 371,994; Jan. 14. Class 49.
Kallman & Morris, Inc., New York, N. Y. Wraps, dresses, gowns, etc. Serial No. 371,150; Jan. 14. Class 39.
Karosen & Sons Cloak Co., Inc., Kansas City, Mo. Women's coats and women's suits. Serial No. 370,709; Jan. 14. Class 39.
Katz, Ira G., New York, N. Y. Children's outer garments for winter wear. Serial No. 370,535; Jan. 14. Class 39.
Kearney, James R., Corporation, St. Louis, Mo. Electrical connectors. Serial No. 371,160; Jan. 14. Class 21.
Kentucky Valley Distilling Company, Louisville, Ky. Whiskey. Serial No. 372,234; Jan. 14. Class 49.
King Features Syndicate, Inc., New York, N. Y. Cartoons. Serial No. 368,041; Jan. 14. Class 38.
Kraus, Otto E., Chicago, Ill. Razor blades. Serial No. 372,019; Jan. 14. Class 23.
Kroll, Philip J., doing business as P. J. Kroll Engineering Associates, New York, N. Y. Machines for jacking and rocking vehicles. Serial No. 371,471; Jan. 14. Class 23.
Krueger, G., Brewing Company, Newark, N. J. Beer and ale. Serial No. 371,546; Jan. 14. Class 48.
Lehman, Carl E., doing business as Faucetqueen Company, Chicago, Ill. Faucet strainer attachment. Serial No. 371,873; Jan. 14. Class 13.
Lopez, Ralph A., New York, N. Y. Cheese. Serial No. 371,351; Jan. 14. Class 46.
Los Angeles Brewing Co., Los Angeles, Calif. Grain alcohol. Serial No. 372,520; Jan. 14. Class 49.
Los Angeles Brewing Co., Los Angeles, Calif. Whiskey. Serial No. 372,521; Jan. 14. Class 49.
Lubrication Products Company, Burgettstown, Pa. Preformed lubricating devices. Serial No. 361,363; Jan. 14. Class 35.
Math, Benjamin, New York, N. Y. Olive oil. Serial No. 370,008; Jan. 14. Class 46.
May, Joseph, & Sons (Leeds) Limited, Leeds, England. Articles of clothing. Serial No. 369,855; Jan. 14. Class 39.
Mayo Bros. Laboratories, Los Angeles, Calif. Tooth paste and tooth powder. Serial No. 370,886; Jan. 14. Class 6.
McCollum, Bruce, doing business as Beverage Factors, Ltd., Oakland, Calif. Maltless beverages, syrup, concentrates. Serial No. 369,707; Jan. 14. Class 45.
Michaels, J., Inc., Brooklyn, N. Y. Household articles. Serial No. 371,556; Jan. 14. Class 32.
Moorlane Company, Tulsa, Okla. Pit and pressure gauges. Serial No. 371,703; Jan. 14. Class 26.
Motor Wheel Corporation, Lansing, Mich. Oil burners. Serial No. 372,251; Jan. 14. Class 34.
Muralo Company, Inc., The, New Brighton, N. Y. Dry powder to be mixed with water. Serial No. 372,300; Jan. 14. Class 16.
Mustavix Chemical Company, The. (See Sosa, Jacinto.)
N. V. Koninklijke Pharmaceutische Fabrieken v/h Brocades-Stheeman & Pharmacia, Mepple, Netherlands. Surgical suture materials. Serial No. 372,062; Jan. 14. Class 44.
National Laboratories, Inc., New York, N. Y. Finger wave lotion. Serial No. 355,633; Jan. 14. Class 6.
National Steel & Copper Plate Co., Chicago, Ill. Acetic acid, albumen, alum, etc. Serial No. 369,940; Jan. 14. Class 6.
National Steel & Copper Plate Co., Chicago, Ill. Substitute for potassium iodid and iodin re-sublimed. Serial No. 369,942; Jan. 14. Class 6.
New England Alcohol Company, Everett, Mass. Denatured alcohol. Serial No. 363,886; Jan. 14. Class 6.
New York Marine News Co., Inc., New York, N. Y. Magazine. Serial No. 369,624; Jan. 14. Class 38.
Nisley Company, The, Columbus, Ohio. Shoes. Serial No. 370,773; Jan. 14. Class 29.
North American Rayon Corporation, New York, N. Y. Filaments. Serial No. 354,930; Jan. 14. Class 43.
Olds, Charles B., Jr., Cleveland, Ohio. Ball and cup game. Serial No. 371,931; Jan. 14. Class 22.
Parfumerie Caron. (See Daltroff, E., & Cie.)
Pennsylvania Alcohol Corporation, Philadelphia, Pa. Gin. Serial No. 372,201; Jan. 14. Class 49.
Petro Baking Company, Incorporated, Olean, N. Y. Bread. Serial No. 371,585; Jan. 14. Class 46.
Petroleum Fuels Corporation, Port Chester, N. Y. Gasoline and fuel and lubricating oils. Serial No. 371,606; Jan. 14. Class 15.
Phillips-Jones Corporation, New York, N. Y. Shirts. Serial No. 371,823; Jan. 14. Class 39.
Placentia Orange Growers Ass'n., Fullerton, Calif. Fresh citrus fruit. Serial No. 371,475; Jan. 14. Class 46.
Premier-Pabst Corporation, Peoria Heights, Ill. Malt extract in syrup form. Serial Nos. 371,594-6; Jan. 14. Class 45.
Public Ledger, Inc., Philadelphia, Pa. Newspaper syndicated feature columns. Serial No. 370,670; Jan. 14. Class 38.
Reynolds Corporation, New York, N. Y. Aluminum paint. Serial No. 371,826; Jan. 14. Class 16.
Roguet, Albert, Courtenay, France. Bitters, cocktails and cordials. Serial No. 367,862; Jan. 14. Class 49.
Rosenau Bros., Inc., Philadelphia, Pa. Young girls' dresses. Serial No. 371,110; Jan. 14. Class 39.
Roth, Roy E., doing business as Roth & White, Lancaster, Pa. Finish or polish. Serial No. 371,079; Jan. 14. Class 16.
Roxblue Distributors. (See Gamble Stores, Incorporated.)
Saxlehner, Andreas, Budapest, Hungary. Natural mineral waters. Serial No. 372,023; Jan. 14. Class 45.
Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. Serial No. 371,179; Jan. 14. Class 39.
Scientific Model Airplane Co. (See Brisolfi, Domenico.)
Scott & Borden, Inc., Anaheim, Calif. Fresh citrus fruits. Serial No. 371,476; Jan. 14. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Automobile oil filters. Serial Nos. 371,558-9; Jan. 14. Class 23.
Singer, Jacob, doing business as Aromatic Flavor Company, Detroit, Mich. Flavoring extracts. Serial No. 371,499; Jan. 14. Class 46.
Sitroux Company, Inc., Brooklyn, N. Y. Sanitary napkins. Serial No. 372,066; Jan. 14. Class 44.
Skippy Incorporated, McLean, Va. Spectacles, eyeglasses and ophthalmic mountings, and parts thereof. Serial No. 369,667; Jan. 14. Class 26.
Socolofsky, Paul F., New York, N. Y. Tooth powder preparation. Serial No. 371,477; Jan. 14. Class 6.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oil. Serial No. 370,390; Jan. 14. Class 15.
Sosa, Jacinto, doing business as The Mustavix Chemical Company, Brooklyn, N. Y. Salves and ointments. Serial No. 369,559; Jan. 14. Class 6.
Speedy Sales Co. (See Atlas Cassino Company, Inc.)
Spetalnick, Max, doing business as Walcodan Co., New York, N. Y. Dandruff remover and scalp antiseptic preparation, perfumery, etc. Serial No. 371,274; Jan. 14. Class 6.
Squibb, E. R., & Sons, New York, N. Y. Preparations for treatment of affections of the respiratory tract. Serial No. 371,328; Jan. 14. Class 6.
Squibb, E. R., & Sons, New York, N. Y. Collapsible metallic containers. Serial No. 371,667; Jan. 14. Class 6.
Standard Brands Incorporated, New York, N. Y. Phosphate, and lactate mixture. Serial Nos. 368,867-8; Jan. 14. Class 6.
Stolich, Peter A., Inc., Salinas, Calif. Fresh vegetables. Serial No. 371,714; Jan. 14. Class 46.
Superba Packing Co., Ltd., San Francisco, Calif. Canned alimentary paste products. Serial No. 371,448; Jan. 14. Class 46.
Superior Laboratories, Inc., New York, N. Y. Perfumed face powders, lipsticks, etc. Serial No. 368,808; Jan. 14. Class 6.
Surface Combustion Corporation, Toledo, Ohio. Air conditioning fluids. Serial No. 371,401; Jan. 14. Class 6.
Swan, Robert W., Jr., Rockaway Beach, New York, N. Y. Word puzzles. Serial No. 372,242; Jan. 14. Class 22.
Tennessee Furniture Corporation, Chattanooga, Tenn. Refrigerators. Serial No. 372,445; Jan. 14. Class 34.
Terry, Hubert L., doing business as Interstate Supply Service, Minneapolis, Minn. Salted nuts, potato chips, buttered popcorn. Serial No. 368,611; Jan. 14. Class 46.
Thomas, William G., doing business as Thomas Pharmacal Company, Varina, N. C. Medicine for coughs and colds. Serial No. 370,526; Jan. 14. Class 6.
Tobin, Meyer, doing business as Alkine Laboratories, New Brunswick, N. J. Preparation for the relief of muscular pain in colds, etc. Serial No. 371,328; Jan. 14. Class 6.
Tree-Gold Cooperative Growers of Florida, Orlando, Fla. Fresh citrus fruits. Serial No. 371,659; Jan. 14. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Treesweet Products Co., Los Angeles, Calif. Canned citrus fruit juices. Serial No. 366,307; Jan. 14. Class 46.
United States Plywood Co. Inc., New York, N. Y. Plywood. Serial No. 371,007; Jan. 14. Class 12.
United States Rubber Products, Inc., New York, N. Y. Shoe soles. Serial No. 371,481; Jan. 14. Class 39.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Processed calcium carbonate. Serial No. 371,372; Jan. 14. Class 6.
Viba Company. (See Boccella, Vincenzo.)
Waggoner, Norman L., Inc., San Francisco, Calif. Canned fruits and vegetables. Serial No. 365,636; Jan. 14. Class 46.
Walcodan Co. (See Spetalnick, Max.)
Walter, Louis, & Co. Inc., Kansas City, Mo. Ladies' cloaks and suits. Serial No. 371,279; Jan. 14. Class 39.
Wert, M., Company, The, St. Bernard, Ohio. Soap. Serial No. 368,944; Jan. 14. Class 4.
Wullschleger & Co., New York, N. Y. Silk piece goods. Serial No. 370,592; Jan. 14. Class 42.
Young, C. H., Publishing Co., Inc., The, New York, N. Y. Periodical. Serial No. 371,615; Jan. 14. Class 38.
Youngs Rubber Corporation, Inc., New York, N. Y. Prophylatic rubber articles. Serial No. 372,071; Jan. 14. Class 44.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Color Corporation, The, New York, N. Y. Water color paint. 331,677; Jan. 14; Serial No. 369,391; published Nov. 5, 1935. Class 16.
Acme Machine Products Company, Inc., Muncie, Ind. Bushings, gears, pinions, etc. 331,600; Jan. 14; Serial No. 366,971; published Nov. 5, 1935. Class 23.
Adams, Joseph W., & Son, Los Angeles, Calif. Medicinal preparation for rheumatism. 331,551; Jan. 14; Serial No. 368,120; published Nov. 5, 1935. Class 6.
Almy Pharmaceutical Corporation, New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. 331,546; Jan. 14; Serial No. 368,824; published Nov. 5, 1935. Class 6.
American Auto Supply Co. Inc., Rochester, N. Y. Automobile tires. 331,557; Jan. 14; Serial No. 361,794; published Nov. 5, 1935. Class 35.
Armstrong Stove and Manufacturing Company, Perryville, Md. Ranges, furnaces, and boilers. 331,608; Jan. 14; Serial No. 366,222; published Nov. 5, 1935. Class 34.
Atiyeh Bros., New York, N. Y. Textile rugs. 331,549-50; Jan. 14; Serial Nos. 366,769-70; published Oct. 29, 1935. Class 42.
Atlas Supply Company, Newark, N. J. Tire vulcanizing kit, plaster tire patches, etc. 331,672; Jan. 14; Serial No. 369,472; published Nov. 5, 1935. Class 35.
Aurora Polish Co. (See Quattrociocche, Robert B.)
B. & B. Laboratories. (See Baughman, Imo P.)
Badminton Manufacturing Company, Limited, Toronto, Ontario, Canada. Badminton shuttlecocks, nets, and rackets. 331,607; Jan. 14; Serial No. 365,717; published Nov. 5, 1935. Class 22.
Banner Wholesale Grocers, Inc., Chicago, Ill. Canned food for dogs and cats and other carnivorous animals. 331,610; Jan. 14; Serial No. 366,394; published Nov. 5, 1935. Class 46.
Baughman, Imo P., doing business as B. & B. Laboratories, Los Angeles, Calif. Tooth powder. 331,621; Jan. 14; Serial No. 366,899; published Nov. 5, 1935. Class 6.
Beaumart, Inc., Bridgeport, Conn. Gin, whiskey, and brandy. 331,636; Jan. 14; Serial No. 369,950; published Nov. 5, 1935. Class 49.
Better Products Company. (See Brewer, Raymond.)
Bird-Archer Company, The, New York, N. Y. Preparation to prevent rust and corrosion, etc. 331,670; Jan. 14; Serial No. 369,556; published Nov. 5, 1935. Class 6.
Blank, Rudolph, doing business as Quality Merchandising Co., New York, N. Y. Herbal, medicated, and chemical preparations for the skin, complexion, etc.; herbal, floral, vegetable, and botanical extracts for toilet use, etc. 331,647; Jan. 14; Serial No. 359,774; published Nov. 5, 1935. Class 6.
Blankenberg, Irving O., Kankakee, Ill. Photographs. 331,694; Jan. 14. Class 38.
Bohemian Distributing Co. Ltd., Los Angeles, Calif. Whiskey. 331,650-51; Jan. 14; Serial Nos. 369,799-801; published Nov. 5, 1935. Class 49.
Bohemian Distributing Co. Ltd., Los Angeles, Calif. Whiskey. 331,666; Jan. 14; Serial No. 369,802; published Nov. 5, 1935. Class 49.
Botany Worsted Mills, Passaic, N. J. Worsted knitting yarns. 331,521; Jan. 14; Serial No. 369,044; published Oct. 29, 1935. Class 48.
Brewer, Raymond, doing business as Better Products Company, Marion, Ind. Razor blades. 331,640; Jan. 14; Serial No. 368,680; published Nov. 5, 1935. Class 23.
Brey, Clarence F., New York, N. Y. Pianos. 331,676; Jan. 14; Serial No. 369,396; published Nov. 5, 1935. Class 36.
Brocton Preserving Company, Inc., doing business as Fredonia Preserving Co., Brocton, N. Y. Canned fruits and vegetables. 331,649; Jan. 14; Serial No. 356,785; published Mar. 5, 1935. Class 46.
Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Billiard chalk. 331,651; Jan. 14; Serial No. 369,945; published Nov. 5, 1935. Class 22.
Burkhardt, Frederic T., Holyoke, Mass. Writing paper. 331,607; Jan. 14. Class 37.
California and Hawaiian Sugar Refining Corporation, Limited, San Francisco, Calif. Raw and refined sugar. 331,674; Jan. 14; Serial No. 369,430; published Nov. 5, 1935. Class 46.
Cammeyer Shoe Shops, Inc., New York, N. Y. Cream for polishing shoes. 331,695; Jan. 14. Class 4.
Candy-Cod Laboratories, Inc., New York, N. Y. Chocolate bars containing a concentrate of cod liver oil and vitamins thereof. 331,689; Jan. 14. Class 6.
Caoutchouc Laboratories, Inc., New York, N. Y. Elastic yarn. 331,594; Jan. 14; Serial No. 368,517; published Oct. 15, 1935. Class 43.
Carolina Washboard Company, Raleigh, N. C. Washboards. 331,658; Jan. 14; Serial No. 369,803; published Nov. 5, 1935. Class 24.
Carson Pirie Scott & Company, Chicago, Ill. Hosiery. 331,613; Jan. 14; Serial No. 366,516; published Nov. 5, 1935. Class 39.
Central Laboratories, Inc., St. Petersburg, Fla. General tonic. 331,590; Jan. 14; Serial No. 368,442; published Oct. 29, 1935. Class 6.
Cola-Gyn Laboratories. (See Smith, Joseph C.)
Colen, Samuel. (See Maxis, Joseph, and Samuel Colen.)
Colgate-Palmolive-Peet Company, Jersey City, N. J. Dental cream and powder. 331,580; Jan. 14; Serial No. 368,130; published Nov. 5, 1935. Class 6.
Continental Mills, Inc., Philadelphia, Pa. Knitted woolen piece goods. 331,614; Jan. 14; Serial No. 360,605; published Oct. 15, 1935. Class 42.
Daggett & Ramsdell, New York, N. Y. Toilet creams. 331,535; Jan. 14; Serial No. 368,976; published Nov. 5, 1935. Class 6.
Davis, William A., doing business as W. A. Davis Milling Company, High Point, N. C. Cereal products. 331,691; Jan. 14. Class 46.
De Umbrecit, Hilda Ana Peters. (See Peters, Alberto, Hilda Ana Peters de Umbrecit, and Edmundo Umbrecit, (Proxy).
Duplan Silk Corporation, New York, N. Y. Pile fabrics. 331,520; Jan. 14; Serial No. 369,049; published Oct. 29, 1935. Class 42.
Eastern Manufacturing Co. (See Noonan, Thomas E.)
Ecklund, Albert T., Jamestown, N. Y. Mats. 331,572; Jan. 14; Serial No. 349,986; published Apr. 9, 1935. Class 20.
Ehlers, Albert, Inc., Brooklyn, N. Y. Coffee. 331,625; Jan. 14; Serial No. 368,742; published Nov. 5, 1935. Class 46.
Ehrman Bros. Horn & Co., San Francisco, Calif. Wines. 331,571; Jan. 14; Serial No. 348,370; published Nov. 5, 1935. Class 47.
Eppens, Smith Company, Inc., New York, N. Y. Coffee. 331,561; Jan. 14; Serial No. 362,466; published Nov. 5, 1935. Class 46.
Epstein, Barney, Inc., New York, N. Y. Ladies' knitted dresses and sweaters. 331,599; Jan. 14; Serial No. 368,558; published Oct. 29, 1935. Class 39.
Exact Weight Scale Company, The, Columbus, Ohio. Weighing scales. 331,511; Jan. 14; Serial No. 369,185; published Nov. 5, 1935. Class 26.
Ferguson, Harold W., doing business as Ultra-Matic Mfg. Co., Rochester, N. Y. Scalp cooling appliances. 331,555; Jan. 14; Serial No. 368,331; published Nov. 5, 1935. Class 44.
Ferro Enamel Corporation, Cleveland, Ohio. Furnace charging forks, furnace unloaders, graining boards, and marble graining slabs. 331,560; Jan. 14; Serial No. 362,410; published Nov. 5, 1935. Class 23.
Fesenmeier Brewing Company, Huntington, W. Va. Beer. 331,653; Jan. 14; Serial No. 369,915; published Nov. 5, 1935. Class 48.
Fischetti, Charles F., Rosedale, Long Island, N. Y. Yarn. 331,678; Jan. 14; Serial No. 369,947; published Oct. 22, 1935. Class 43.
Flood Company, The, Cleveland, Ohio. Protective priming coat material. 331,671; Jan. 14; Serial No. 369,483; published Nov. 5, 1935. Class 17.
Foreign Specialties Inc., New York, N. Y. Hair lotions. 331,541; Jan. 14; Serial No. 368,882; published Nov. 5, 1935. Class 6.

Ferrari, J. King, doing business as Forrest Sign Co., Kansas City, Mo. Blackboards. 331,602; Jan. 14. Class 50.

Frederics, John, Perfumers Corporation, New York, N. Y. Perfumes. 331,683–4; Jan. 14; Serial Nos. 369,270–1; published Oct. 29, 1935. Class 6.

Fredonia Preserving Co. (See Stocton Preserving Company.)

Freed Manufacturing Company, Inc., New York, N. Y. Radio broadcast receiving sets. 331,629; Jan. 14; Serial No. 368,610; published Nov. 5, 1935. Class 21.

Freymaan, John J., Omaha, Nebr. Surgeon's obstetrical appliances. 331,604; Jan. 14; Serial No. 367,464; published Nov. 5, 1935. Class 44.

General Liquors, Incorporated, Louisville, Ky. Whiskey. 331,534; Jan. 14; Serial No. 368,980; published Nov. 5, 1935. Class 49.

General Mills, Inc., Minneapolis, Minn. Milled grain products. 331,562; Jan. 14; Serial No. 362,729; published Nov. 5, 1935. Class 46.

General Mills, Inc., Minneapolis, Minn. Milled grain products. 331,565; Jan. 14; Serial No. 363,045; published Nov. 5, 1935. Class 46.

General Pharmacal Company, The, Cincinnati, Ohio. Fortified aspirin compound. 331,637; Jan. 14; Serial No. 366,961; published Oct. 29, 1935. Class 6.

Glueck, Edmund M., doing business as Typewriter Equipment Company, New York, N. Y. Cards containing complete sets of typewriter key characters. 331,630; Jan. 14; Serial No. 368,612; published Nov. 5, 1935. Class 22.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Bleach water, germicide, deodorant, etc. 331,588; Jan. 14; Serial No. 360,205; published Oct. 29, 1935. Class 6.

Green & Hopson, Springfield, Mass. Cotton yarn. 331,566; Jan. 14; Serial No. 364,387; published Oct. 29, 1935. Class 48.

Gurian, Philip, Sona, Inc., New York, N. Y. Ladies' shirts. 331,653; Jan. 14; Serial No. 368,020; published Oct. 29, 1935. Class 39.

Harts Mountain Products Inc., New York, N. Y. Bird food. 331,609; Jan. 14; Serial No. 366,230; published Nov. 5, 1935. Class 46.

Harvey, G. F., Company, The, Saratoga Springs, N. Y. Liquid pharmaceutical preparation. 331,514; Jan. 14; Serial No. 369,130; published Nov. 5, 1935. Class 6.

Heath-Sweetser, Inc., New York, N. Y. Shirts and collars. 331,545; Jan. 14; Serial No. 366,960; published Oct. 29, 1935. Class 39.

Hoffmann-La Roche, Inc., Nutley, N. J. Vitamin containing food supplement or tonic food. 331,619; Jan. 14; Serial No. 366,800; published Nov. 5, 1935. Class 46.

Hooker & Sanders, Incorporated, New York, N. Y. Thread and yarn. 331,634; Jan. 14; Serial No. 366,660; published Nov. 5, 1935. Class 48.

Hume-Love Company, Garfield, Wash. Harvester reels, sickle, and cutter bars and parts thereof. 331,628; Jan. 14; Serial No. 368,570; published Nov. 5, 1935. Class 23.

Hunt, Walter, & Sons, Inc., El Centro, Calif. Fresh vegetables, cantaloupes, honeydew melons, and watermelons. 331,637; Jan. 14; Serial No. 367,537; published Nov. 5, 1935. Class 46.

Hydroz Corporation, Chicago, Ill. Ice cream cones and frozen confections sold in cups. 331,642; Jan. 14. Class 46.

Industrial Chemical Products Co., Detroit, Mich. Chemical preparation adapted to be applied to steel. 331,558; Jan. 14; Serial No. 361,904; published Nov. 5, 1935. Class 6.

International Looms, Inc., New York, N. Y. Textile fabrics. 331,617; Jan. 14; Serial No. 366,687; published Oct. 22, 1935. Class 42.

Kahn, Jewel K., doing business as Oriental Cafe, Omaha, Nebr. Noodles. 331,531; Jan. 14; Serial No. 362,089; published Nov. 5, 1935. Class 46.

Kidde, Walter, Sales Company, Bloomfield, N. J. Gyphons, and gas containers for use thereon. 331,626; Jan. 14; Serial No. 369,231; published Nov. 5, 1935. Class 2.

Kinetic Chemicals, Inc., Wilmington, Del. Dichlorotetrafluoroethane. 331,522; Jan. 14; Serial No. 360,022; published Nov. 5, 1935. Class 6.

Kinetic Chemicals, Inc., Wilmington, Del. Trichlorotrifluoroethane. 331,523; Jan. 14; Serial No. 360,023; published Nov. 5, 1935. Class 6.

Kinetic Chemicals, Inc., Wilmington, Del. Dichloromonofluoromethane. 331,524; Jan. 14; Serial No. 360,021; published Nov. 5, 1935. Class 6.

Kinetic Chemicals, Inc., Wilmington, Del. Dichlorodifluoromethane. 331,525; Jan. 14; Serial No. 360,020; published Nov. 5, 1935. Class 6.

Kinetic Chemicals, Inc., Wilmington, Del. Trichloromonofluoromethane. 331,526; Jan. 14; Serial No. 360,019; published Nov. 5, 1935. Class 6.

Kinetic Chemicals, Inc., Wilmington, Del. Dichlorotetrafluoroethane. 331,527; Jan. 14; Serial No. 360,018; published Nov. 5, 1935. Class 6.

Kinetic Chemicals, Inc., Wilmington, Del. Trichlorotrifluoroethane. 331,528; Jan. 14; Serial No. 360,017; published Nov. 5, 1935. Class 6.

Kinetic Chemicals, Inc., Wilmington, Del. Dichloromonofluoromethane. 331,529; Jan. 14; Serial No. 360,016; published Nov. 5, 1935. Class 6.

Kinetic Chemicals, Inc., Wilmington, Del. Dichlorodifluoromethane. 331,530; Jan. 14; Serial No. 360,015; published Nov. 5, 1935. Class 6.

Kinetic Chemicals, Inc., Wilmington, Del. Trichloromonofluoromethane. 331,531; Jan. 14; Serial No. 360,014; published Nov. 5, 1935. Class 6.

Kinetic Chemicals, Inc., Wilmington, Del. Dichlorodifluoromethane. 331,532; Jan. 14; Serial No. 360,013; published Nov. 5, 1935. Class 6.

Kinetic Chemicals, Inc., Wilmington, Del. Trichlorotrifluoromethane. 331,533; Jan. 14; Serial No. 360,012; published Nov. 5, 1935. Class 6.

Kinetic Chemicals, Inc., Washington, D. C. Refrigerating receiving sets and parts. 331,623; Jan. 14; Serial No. 368,074; published Nov. 5, 1935. Class 21.

Labatt, John, Limited, London, Ontario, Canada. Ales, beers, lagers, etc. 331,575; Jan. 14; Serial No. 355,860; published Oct. 29, 1935. Class 49.

Lander Co., Inc., The, New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. 331,595; Jan. 14; Serial No. 362,529; published Oct. 29, 1935. Class 6.

Lang, C. J., Clothing Company, The, Akron, Ohio. Suits and overcoats. 331,635; Jan. 14; Serial No. 368,661; published Oct. 29, 1935. Class 39.

Larcliff Company. (See Larson, Clifford M.)

Larson, Clifford M., doing business as Larcliff Company, New Rochelle, N. Y. Colored glass, colored paint, and colored lamps for therapeutical purposes. 331,645; Jan. 14; Serial No. 361,174; published Nov. 5, 1935. Class 44.

Levi, Simeon & Co., New York, N. Y. [Affixé' neckwear and ruffings. 331,563; Jan. 14; Serial No. 363,184; published Nov. 5, 1935. Class 39.

Lesser, Frederick, & Co., Inc., Brooklyn, N. Y. Curtains. 331,548; Jan. 14; Serial No. 360,770; published Nov. 5, 1935. Class 42.

Lopez, Ignacio, y Compañia, Manresa and Javellanes, Cuba. Tooth paste, denti-frice, face powder, etc. 331,544; Jan. 14; Serial No. 363,997; published Oct. 22, 1935. Class 6.

MacIntosh-Duerrs Company, Oklahoma City, Okla. Ceiling, sizing, and roofing compounds, and roofing cement. 331,571–3; Jan. 14; Serial Nos. 358,956–8; published Oct. 29, 1935. Class 12.

Maison Blanche Company, New Orleans, La. Whitney. 331,666; Jan. 14; Serial No. 369,336; published Nov. 5, 1935. Class 40.

Maison Joubert, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 331,612; Jan. 14; Serial No. 366,480; published Nov. 5, 1935. Class 6.

Makransky, S., and Sons, Inc., Philadelphia, Pa. Suits, coats, vests, etc. 331,580; Jan. 14; Serial No. 362,611; published Nov. 5, 1935. Class 39.

Manis, Joseph, and Samuel Cohen, Hammonton, N. J. Sweet potatoes. 331,669; Jan. 14. Class 46.

McCrary Hosiery Mills, Inc., Asheboro, N. C. Hosiery. 331,589; Jan. 14; Serial No. 363,940; published Oct. 29, 1935. Class 39.

McKesson & Robbins, Incorporated, Bridgeport, and Fairfield, Conn. Whiskey. 331,662; Jan. 14; Serial No. 369,773; published Nov. 5, 1935. Class 49.

Merck & Co. Inc., Rahway, N. J. Moth proofing compound. 331,519; Jan. 14; Serial No. 349,681; published Nov. 5, 1935. Class 6.

Meredith, William C., Co., Inc., Atlanta, Ga., assignor to Reconstruction Finance Corporation, Washington, D. C. Door stops and springers. 331,661; Jan. 14; Serial No. 368,620; published Oct. 29, 1935. Class 12.

Methana Co., The, Cleveland, Ohio. Sedatives, analgesics, diuretics, etc. 331,607; Jan. 14; Serial No. 369,695; published Oct. 29, 1935. Class 6.

Missouri Portland Cement Company, St. Louis, Mo. High early strength Portland cement. 331,614; Jan. 14; Serial No. 360,870; published Oct. 8, 1935. Class 12.

Missouri Portland Cement Company, St. Louis, Mo. High early strength Portland cement. 331,615; Jan. 14; Serial No. 366,571; published Oct. 29, 1935. Class 12.

Modern Curtain Co. Inc., Boston, Mass. Textile fabrics and curtains. 331,554; Jan. 14; Serial No. 367,500; published Oct. 15, 1935. Class 42.

Modern Health Products, Milwaukee, Wis. Meatless bouillon, garlic seasoning, anti-diabetic tea, etc. 331,560; Jan. 14; Serial No. 327,537; published Nov. 5, 1935. Class 46.

Myers, H. B., Co. Ltd., Los Angeles, Calif. Cotton buckram wets. 331,668; Jan. 14; Serial No. 368,985; published Nov. 5, 1935. Class 42.

Myles, William F., Inc., Boston, Mass. Hair rinse. 331,665; Jan. 14; Serial No. 366,200; published Nov. 5, 1935. Class 6.

N & W Overall Company, Inc., The, Lynchburg, Va. Overalls. 331,614; Jan. 14; Serial No. 368,092; published Nov. 5, 1935. Class 39.

National Electric Screen Co., Chicago, Ill. Electrically operated exterminator for insects. 331,625; Jan. 14; Serial No. 367,436; published Nov. 5, 1935. Class 21.

New Jersey Optical Company, Newark, N. J. Optical frames and mountings. 331,606–700; Jan. 14. Class 28.

Nosh's Ark Auto Accessories, Inc., Rochester, N. Y. Spark plugs. 331,536; Jan. 14; Serial No. 366,705; published Nov. 5, 1935. Class 21.

Nomar Optical Company, The, Southbridge, Mass. Spectacles, eye glasses, and parts thereof, and ophthalmic lenses and blanks therefor. 331,670; Jan. 14; Serial No. 369,532; published Nov. 5, 1935. Class 28.

Noonan, Thomas H., doing business as Eastern Manufacturing Co., Baltimore, Md. Hand and household soap pastes. 331,542; Jan. 14; Serial No. 360,550; published Nov. 5, 1935. Class 4.

Norden Laboratories, Lincoln, Nortolk, and Grand Island, Nebr., and Sioux City, Iowa. Solutions of calcium glucobate for veterinary use. 331,627; Jan. 14; Serial No. 366,794; published Oct. 29, 1935. Class 6.

Oriental Cafe. (See Kahn, Jewel K.)

Otto, Lester M., doing business as A. J. Otto, Traverse City, Mich. Fasteners to curtains and bags. 331,543; Jan. 14; Serial No. 367,601; published Nov. 5, 1935. Class 40.

P. W. Manufacturing Company, Inc., Milwaukee, Wis. Fluids for dustproofing coal. 331,618; Jan. 14; Serial No. 366,872; published Nov. 5, 1935. Class 6.

Paragon Oil Company, Inc., Glendale, N. Y. Lubricating oil. 331,601; Jan. 14; Serial No. 367,020; published Oct. 22, 1935. Class 16.

Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, bleach and beauty creams, etc. 331,622; Jan. 14; Serial No. 368,047; published Nov. 5, 1935. Class 6.

Pennsylvania Wine & Liquor Shop, Inc., New York, N. Y. Whiskey and gin. 331,667; Jan. 14; Serial No. 369,527; published Nov. 5, 1935. Class 49.

Peoples Baking Co., Orangeburg, S. C. Bread. 331,517; Jan. 14; Serial No. 369,008; published Nov. 5, 1935. Class 46.

Peters, Alberto, Hilda Ana Peters de Umbrit, and Edmundo Umbrit, proxy of Clara Margarita Schneidewind de Peters, Carlos Alberto Peters, and Maria Luisa Helen Peters, Buenos Aires, Argentina. Whitney. 331,646; Jan. 14; Serial No. 350,101; published Nov. 5, 1935. Class 49.

Petersen, Johannes A., & Co., Hamburg, Germany. Wine. 331,570; Jan. 14; Serial No. 340,923; published Nov. 5, 1935. Class 47.

Petroleum Specialty Company, The. (See Ricklefs, Clarence L.)

Piggly Wiggly Corporation, Cincinnati, Ohio. Pedestal tables, candy cases, sales tables, etc. 331,591; Jan. 14; Serial No. 368,483; published Nov. 5, 1935. Class 32.

Pioneer Manufacturing Company of Wilkes-Barre, Pa., Wilkes-Barre, Pa. Infants' and children's dresses. 331,540; Jan. 14; Serial No. 368,899; published Nov. 5, 1935. Class 39.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Wire brushes used as attachments for tire dressing machinery. 331,559; Jan. 14; Serial No. 361,880; published Nov. 5, 1935. Class 22.

Polk Miller Products Corporation, Richmond, Va. Flea powder. 331,533; Jan. 14; Serial No. 366,706; published Nov. 5, 1935. Class 6.

Polk Miller Products Corporation, Richmond, Va. Liniment, a preparation for treating the hair and scalp, eyewash, etc. 331,624; Jan. 14; Serial No. 368,707; published Nov. 5, 1935. Class 6.

Polk Miller Products Corporation, Richmond, Va. Mange medicine. 331,632; Jan. 14; Serial No. 368,229; published Nov. 5, 1935. Class 6.

Polk Miller Products Corporation, Richmond, Va. Liniment, preparation for treating the hair and scalp, eyewash, etc. 331,641; Jan. 14; Serial No. 368,705; published Nov. 5, 1935. Class 6.

Pop-Che, Inc., New York, N. Y. Cheese-covered popcorn. 331,682; Jan. 14; Serial No. 360,906; published Nov. 5, 1935. Class 46.

Popper-Monson Co. Inc., Jersey City, N. J. Whiskey. 331,656; Jan. 14; Serial No. 369,528; published Nov. 5, 1935. Class 49.

Price, M. H., Los Angeles, Calif. Whiskey. 331,696; Jan. 14. Class 49.

Quality Merchandising Co. (See Blank, Rudolph.)

Quattrociocche, Robert R., doing business as Lazzara Polish Co., Steubenville, Ohio. Furniture polish. 331,609; Jan. 14; Serial No. 369,627; published Nov. 5, 1935. Class 16.

Quigley Company, Inc., New York, N. Y. Roofing of heat resisting, highly refractory material. 331,540; Jan. 14; Serial No. 368,964; published Oct. 22, 1935. Class 12.

Raulit, Ralph, doing business as Rexland Biscuit Co., Los Angeles, Calif. Crackers. 331,538; Jan. 14; Serial No. 368,981; published Nov. 5, 1935. Class 46.

Reconstruction Finance Corporation. (See Meredith, William C., Co., assignee.)

Rhea, I. T., and Percy R. Rhea, New Orleans, La., and Pass Christian, Miss. Cash-in-fast nuts and praline. 331,668; Jan. 14; Serial No. 369,623; published Nov. 5, 1935. Class 46.

Rich Products Corporation, doing business as Rich Foods Corporation, Rockford, Ill. Canned meats—namely, beef. 331,533; Jan. 14; Serial No. 367,719; published Nov. 5, 1935. Class 46.

Ricklefs, Clarence L., doing business as The Petroleum Specialty Company, Los Angeles, Calif. Chemical paste for liquid level indicators. 331,537; Jan. 14; Serial No. 368,363; published Nov. 5, 1935. Class 6.

Riverside & Dan River Cotton Mills, Inc., Danville, Va. Cotton chambrays, sheetings, broadcloth, etc. 331,550; Jan. 14; Serial No. 358,133; published Feb. 19, 1935. Class 42.

Robertson Bros. & Co. Limited, London, England. Wines. 331,543; Jan. 14; Serial No. 362,556; published Nov. 5, 1935. Class 47.

Rexor Corporation, The, Nashville, Tenn. Insecticides. 331,579; Jan. 14; Serial No. 366,963; published Oct. 29, 1935. Class 6.

Rupert, Jacob, New York, N. Y. Beer. 331,652; Jan. 14; Serial No. 369,980; published Nov. 5, 1935. Class 49.

Sail-Ho Company, Chicago, Ill. Decorative and novelty lamp shades. 331,611; Jan. 14; Serial No. 366,437; published Nov. 5, 1935. Class 24.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Wines. 331,686; Jan. 14; Serial No. 367,627; published Nov. 5, 1935. Class 47.

Sarmann, George, Hendersonville, N. C. Table board game played with pieces. 331,547; Jan. 14; Serial No. 368,780; published Nov. 5, 1935. Class 22.

Schneider & Armitage, New York, N. Y. Woolen piece goods. 331,512; Jan. 14; Serial No. 369,169; published Nov. 5, 1935. Class 42.

Schneider & Armitage, New York, N. Y. Woolen piece goods. 331,518; Jan. 14; Serial No. 369,065; published Nov. 5, 1935. Class 42.

Schneider & Armitage, New York, N. Y. Woolen piece goods. 331,681; Jan. 14; Serial No. 369,309; published Nov. 5, 1935. Class 42.

Schneiderman Bros., New York, N. Y. Suits, overcoats, and topcoats. 331,552; Jan. 14; Serial No. 368,114; published Nov. 5, 1935. Class 39.

Shaw, Alex D., & Co., Inc., New York, N. Y. Wines. 331,693–4; Jan. 14; Serial Nos. 365,042–3; published Nov. 5, 1935. Class 47.

Shawprint, Inc., Lowell, Mass. Shipping boxes of pasteboard. 331,663; Jan. 14; Serial No. 369,718; published Nov. 5, 1935. Class 2.

Shellmar Products Company, Mount Vernon, Ohio. Merchandise containers. 331,679–80; Jan. 14; Serial Nos. 369,310–11; published Nov. 5, 1935. Class 2.

Smith, Joseph C., doing business as Coin-Gyn Laboratories, Kansas City, Kans. Hygienic vaginal jelly. 331,646; Jan. 14; Serial No. 360,084; published Nov. 5, 1935. Class 6.

Société Anonyme Couesnon, Paris, France. Cornets with registers, bugles, musical trumpets, etc. 331,620; Jan. 14; Serial No. 366,881; published Nov. 5, 1935. Class 26.

Southern Independent Oil and Refining Company, Inc., Evansville, Ind. Insecticides, fly spray, and stock dip. 331,515; Jan. 14; Serial No. 360,111; published Oct. 29, 1935. Class 6.

Spangenberger, George E., Newark, N. J. Water heater in which solid fuel is used. 331,513; Jan. 14; Serial No. 369,142; published Nov. 5, 1935. Class 34.

Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. 331,564; Jan. 14; Serial No. 368,273; published Nov. 5, 1935. Class 6.

Stamford Rubber Supply Company, The, Stamford, Conn. Aqueous dispersions. 331,586; Jan. 14; Serial No. 368,365; published Nov. 5, 1935. Class 6.

Standard Wine & Liquor Co., Inc., New York, N. Y. Whiskey and other distilled alcoholic liquors. 331,602; Jan. 14; Serial No. 356,158; published Nov. 5, 1935. Class 49.

Stanley Works, The, New Britain, Conn. Box strapping. 331,596; Jan. 14; Serial No. 368,540; published Nov. 5, 1935. Class 13.

Stanley Works, The, New Britain, Conn. Box strapping. 331,597; Jan. 14; Serial No. 368,542; published Nov. 5, 1935. Class 13.

Star Radiator Mfg. Company, Los Angeles, Calif. Water cooling radiators. 331,583; Jan. 14; Serial No. 368,242; published Nov. 5, 1935. Class 19.

Steinbergser Bros. Inc., New York, N. Y. Yarn. 331,639; Jan. 14; Serial No. 368,964; published Oct. 29, 1935. Class 48.

Strouse-Hirshberg Co., The, Youngstown, Ohio. Women's dresses, coats, suits, and shoes. 331,566; Jan. 14; Serial No. 364,456; published July 23, 1935. Class 39.

Sunland Biscuit Co. (See Raulit, Ralph.)

Tannis Corporation, The, New York, N. Y. Licorice for use as a flavoring. 331,538–7; Jan. 14; Serial Nos. 368,982–3; published Nov. 5, 1935. Class 6.

Tayton Company, Kansas City, Mo. Cleansing creams, face powders, cold creams, etc. 331,582; Jan. 14; Serial No. 363,200; published Nov. 5, 1935. Class 6.

Thermoid Company, Trenton, N. J. Brake testing machines or apparatus. 331,596; Jan. 14; Serial No. 368,542; published Nov. 5, 1935. Class 26.

Tobacco By-Products and Chemical Corporation, Louisville, Ky. Insecticides for poultry and veterinary purposes. 331,668; Jan. 14; Serial No. 365,585; published Nov. 5, 1935. Class 6.

Ton-Di Products, Inc., New York, N. Y. Hair dye and tonic. 331,581; Jan. 14; Serial No. 368,158; published Nov. 5, 1935. Class 6.

Turner & Seymour Manufacturing Company, The, Torrington, Conn. Tacks and nails. 331,689; Jan. 14. Class 13.

Typewriter Equipment Company. (See Glueck, Edmund M.)

U-Ade Tearmina Corporation, New Orleans, La., and Los Angeles, Calif. Bleach, disinfectant, deodorant, and cleanser. 331,554; Jan. 14; Serial No. 368,085; published Oct. 29, 1935. Class 6.

Ullmann, Bernhard, Co. Inc., New York, N. Y. Yarns for art needlework. 331,593; Jan. 14; Serial No. 368,510; published Oct. 29, 1935. Class 48.

Ultra-Matic Mfg. Co. (See Ferguson, Harold W.)

Union Cutlery Co., Inc., Olean, N. Y. Razors. 331,553; Jan. 14; Serial No. 368,086; published Nov. 5, 1935. Class 28.
United States Rubber Products, Inc., New York, N. Y. Electrical conductors. 331,675; Jan. 14; Serial No. 369,424; published Nov. 5, 1935. Class 21.
Van Allen, L. R., & Company, Chicago, Ill. Prepared wax for polishing automobiles, etc. 331,574; Jan. 14; Serial No. 355,598; published Nov. 5, 1935. Class 16.
Vickers, Incorporated, Detroit, Mich. Pumps, hydraulic presses, machine tools and parts therefor, etc. 331,573; Jan. 14; Serial No. 352,804; published Nov. 5, 1935. Class 23.
Walker's of Boston, Inc., Boston, Mass. Gin, whiskey, and brandy. 331,654; Jan. 14; Serial No. 369,866; published Nov. 5, 1935. Class 49.
Walker's of Boston, Inc., Boston, Mass. Gin, whiskey, and brandy. 331,693; Jan. 14. Class 49.
Weits, S., & Company, Inc., Cleveland, Ohio. Clothing. 331,592; Jan. 14; Serial No. 368,492; published Nov. 5, 1935. Class 39.
Western Distillers Corporation, Los Angeles, Calif. Whiskey. 331,576; Jan. 14; Serial No. 355,919; published Oct. 15, 1935. Class 49.
White Motor Company, The, Cleveland, Ohio. Internal combustion engines. 331,567; Jan. 14; Serial No. 364,842; published Nov. 5, 1935. Class 23.
White and Wyckoff Mfg. Company, Holyoke, Mass. Blank books having permanently bound leaves. 331,696; Jan. 14. Class 37.

LIST OF REGISTRANTS OF LABELS

Fertile Company, The, Washington, Pa. Fertile Scalp Tonic. For Scalp Tonic. 46,974; Jan. 14.
Krause, Chas. A., Milling Co., Milwaukee, Wis. The Snow They Use in the Movies. For Artificial Snow. 46,975; Jan. 14.
Los Angeles Knitting Mills, Ltd., Hollydale, Calif. Nattiknit. For Sportswear. 46,976; Jan. 14.
Peoria Brewing Company, Peoria, Ill. Peoria Special Beer. For Beer. 46,977; Jan. 14.
Ralph and Rowland, Los Angeles, Calif. Straight Club Soda. For Straight Club Soda. 46,978; Jan. 14.
Robbins, Williams & Co., Detroit, Mich. Lotion Dolce For a Lotion. 46,979; Jan. 14.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Boxes of pasteboard, Shipping. Shawprint, Inc. 331,663; Jan. 14; Serial No. 369,718; published Nov. 5, 1935.
Containers, Merchandise. Shellmar Products Company. 331,679–80; Jan. 14; Serial Nos. 369,310–11; published Nov. 5, 1935.
Syphons, and gas containers for use thereon. Walter Kidde Sales Company. 331,685; Jan. 14; Serial No. 369,231; published Nov. 5, 1935.

CLASS 4

Cream for polishing shoes. Cammeyer Shoe Shops, Inc. 331,695; Jan. 14.
Soap paste, Hand and household. T. E. Noonan. 331,542; Jan. 14; Serial No. 368,896; published Nov. 5, 1935.

CLASS 6

Aqueous dispersions. Stamford Rubber Supply Company. 331,566; Jan. 14; Serial No. 368,235; published Nov. 5, 1935.
Aspirin compound, Fortified. General Pharmacal Company. 331,637; Jan. 14; Serial No. 368,981; published Oct. 29, 1935.
Astringents, astringent cerates, bleach and beauty creams etc. Almay Pharmaceutical Corporation. 331,540; Jan 14; Serial No. 368,834; published Nov. 5, 1935.
Astringents, astringent cerates, bleach and beauty creams etc. Lander Co. 331,595; Jan. 14; Serial No. 368,629; published Oct. 29, 1935.
Astringents, astringent cerates, bleach and beauty creams, etc. Parfumerie St. Denis. 331,622; Jan. 14; Serial No. 368,047; published Nov. 5, 1935.
Astringents, astringent cerates, bleach creams, etc. Maison Joubert, Inc. 331,612; Jan. 14; Serial No. 366,480; published Nov. 5, 1935.
Bleach, disinfectant, deodorant and cleanser. Uddo Taormina Corporation. 331,554; Jan. 14; Serial No. 368,085; published Oct. 29, 1935.
Bleach water, germicide, deodorant, etc. Great Atlantic & Pacific Tea Company. 331,586; Jan. 14; Serial No. 368,395; published Oct. 29, 1935.
Chemical paste for liquid level indicators. C. L. Ricklefs. 331,587; Jan. 14; Serial No. 368,383; published Nov. 5, 1935.
Chemical preparation adapted to be applied to steel. Industrial Chemical Products Co. 331,558; Jan. 14; Serial No. 361,804; published Nov. 5, 1935.
Chocolate bars containing a concentrate of cod liver oil and vitamins thereof. Candy-Cod Laboratories, Inc. 331,669; Jan. 14.
Cream and powder, Dental. Colgate-Palmolive-Peet Company. 331,580; Jan. 14; Serial No. 368,130; published Nov. 5, 1935.
Creams, face powders, cold creams, etc. Tayton Company. 331,582; Jan. 14; Serial No. 368,200; published Nov. 5, 1935.
Creams, Toilet. Daggett & Ramsdell. 331,535; Jan. 14; Serial No. 368,976; published Nov. 5, 1935.
Dichlorodifluoromethane. Kinetic Chemicals, Inc. 331,525; Jan. 14; Serial No. 369,020; published Nov. 5, 1935.
Dichlorodifluoromethane. Kinetic Chemicals, Inc. 331,530; Jan. 14; Serial No. 369,015; published Nov. 5, 1935.
Dichloromonofluoromethane. Kinetic Chemicals, Inc. 331,524; Jan. 14; Serial No. 369,021; published Nov. 5, 1935.
Dichloromonofluoromethane. Kinetic Chemicals, Inc. 331,529; Jan. 14; Serial No. 369,016; published Nov. 5, 1935.
Dichlorotetrafluoroethane. Kinetic Chemicals, Inc. 331,522; Jan. 14; Serial No. 369,023; published Nov. 5, 1935.
Dichlorotetrafluoroethane. Kinetic Chemicals, Inc. 331,527; Jan. 14; Serial No. 369,018; published Nov. 5, 1935.
Fluids for dustproofing coal. P. W. Manufacturing Company. 331,618; Jan. 14; Serial No. 366,872; published Nov. 5, 1935.
Hair dye and tonic. Ton-Di Products, Inc. 331,581; Jan. 14; Serial No. 368,158; published Nov. 5, 1935.
Hair lotions. Foreign Specialties, Inc. 331,541; Jan. 14; Serial No. 368,882; published Nov. 5, 1935.
Hair rinse. William F. Myles, Inc. 331,606; Jan. 14; Serial No. 365,260; published Nov. 5, 1935.
Hygienic vaginal jelly. J. C. Smith. 331,646; Jan. 14; Serial No. 360,084; published Nov. 5, 1935.
Insecticides. Roxor Corporation. 331,579; Jan. 14; Serial No. 368,963; published Oct. 29, 1935.
Insecticides, fly spray, and stock dip. Southern Independent Oil and Refining Company. 331,515; Jan. 14; Serial No. 369,111; published Oct. 29, 1935.
Insecticides for poultry and veterinary purposes. Tobacco By-Products and Chemical Corporation. 331,606; Jan. 14; Serial No. 365,535; published Nov. 5, 1935.
Licorice for use as a flavoring. Tannin Corporation. 331,536–7; Jan. 14; Serial Nos. 368,968–9; published Nov. 5, 1935.
Liniment, a preparation for treating the hair and scalp, eyewash, etc. Polk Miller Products Corporation. 331,624; Jan. 14; Serial No. 368,707; published Nov. 5, 1935.
Liniment, preparation for treating the hair and scalp, eyewash, etc. Polk Miller Products Corporation. 331,641; Jan. 14; Serial No. 368,706; published Nov. 5, 1935.
Medicinal preparation for rheumatism. Joseph Walter Adams & Son. 331,551; Jan. 14; Serial No. 368,129; published Nov. 5, 1935.
Medicine, Mange. Polk Miller Products Corporation. 331,632; Jan. 14; Serial No. 368,639; published Nov. 5, 1935.
Moth proofing compound. Merck & Co. Inc. 331,519; Jan. 14; Serial No. 369,061; published Nov. 5, 1935.
Perfumes. John Frederics Perfumes Corporation. 331,683–4; Jan. 14; Serial Nos. 369,270–1; published Oct. 29, 1935.
Pharmaceutical preparation, Liquid. G. F. Harvey Company. 331,514; Jan. 14; Serial No. 369,130; published Nov. 5, 1935.
Powder Puff. Polk Miller Products Corporation. 331,533; Jan. 14; Serial No. 368,705; published Nov. 5, 1935.
Preparation to prevent rust and corrosion, etc. Bird-Archer Company. 331,670; Jan. 14; Serial No. 369,856; published Nov. 5, 1935.
Preparations for the skin, complexion, etc.; herbal, floral, vegetable, and botanical extracts for toilet use, etc.; Herbal, medicated, and chemical. R. Blank. 331,667; Jan. 14; Serial No. 359,774; published Nov. 5, 1935.
Sedatives, analgesics, diuretics, etc. Methusa Co. 331,667; Jan. 14; Serial No. 369,650; published Oct. 29, 1935.
Solutions of calcium gluconate for veterinary use. Warden Laboratories. 331,637; Jan. 14; Serial No. 369,794; published Oct. 29, 1935.

Tonic, General. Central Laboratories, Inc. 331,560; Jan. 14; Serial No. 368,442; published Oct. 29, 1935.
Tooth paste, dentifrices, face powder, etc. Ignacio López y Compañía. 331,564; Jan. 14; Serial No. 363,001; published Oct. 29, 1935.
Tooth powder. I. P. Baughman. 331,621; Jan. 14; Serial No. 366,899; published Nov. 5, 1935.
Trichloromonofluoromethane. Kinetic Chemicals, Inc. 331,526; Jan. 14; Serial No. 369,019; published Nov. 5, 1935.
Trichloromonofluoromethane. Kinetic Chemicals, Inc. 331,642; Jan. 14; Serial No. 369,014; published Nov. 5, 1935.
Trichlorotrifluoroethane. Kinetic Chemicals, Inc. 331,523; Jan. 14; Serial No. 369,022; published Nov. 5, 1935.
Trichlorotrifluoroethane. Kinetic Chemicals, Inc. 331,528; Jan. 14; Serial No. 369,017; published Nov. 5, 1935.
Vitaminic preparations. E. R. Squibb & Sons. 331,584; Jan. 14; Serial No. 368,273; published Nov. 5, 1935.

CLASS 12

Calking, glazing, and roofing compounds, and roofing cement. Macklanburg-Duncan Company. 331,577–8; Jan. 14; Serial Nos. 366,954–5; published Oct. 29, 1935.
Cement, High early strength Portland. Missouri Portland Cement Company. 331,614; Jan. 14; Serial No. 366,570; published Oct. 29, 1935.
Cement, High early strength Portland. Missouri Portland Cement Company. 331,615; Jan. 14; Serial No. 366,572; published Oct. 29, 1935.
Door step and stringers. William C. Meredith Co. 331,631; Jan. 14; Serial No. 368,620; published Oct. 29, 1935.
Refractory materials, Bodies of heat resisting highly. Quigley Company. 331,544; Jan. 14; Serial No. 368,864; published Oct. 22, 1935.

CLASS 13

Strapping, Box. Stanley Works. 331,506; Jan. 14; Serial No. 368,540; published Nov. 5, 1935.
Strapping, Box. Stanley Works. 331,507; Jan. 14; Serial No. 368,542; published Nov. 5, 1935.
Tacks and nails. Turner & Seymour Manufacturing Company. 331,688; Jan. 14.

CLASS 15

Oil, Lubricating. Paragon Oil Company. 331,601; Jan. 14; Serial No. 367,036; published Oct. 22, 1935.

CLASS 16

Paint, Water color. Ace Color Corporation. 331,677; Jan. 14; Serial No. 369,391; published Nov. 5, 1935.
Polish, Furniture. R. B. Quattrocchio. 331,669; Jan. 14; Serial No. 369,627; published Nov. 5, 1935.
Priming coat material, Protective. Flood Company. 331,671; Jan. 14; Serial No. 369,468; published Nov. 5, 1935.
Wax for polishing automobiles, etc., Prepared. L. R. Van Allen & Company. 331,574; Jan. 14; Serial No. 355,598; published Nov. 5, 1935.

CLASS 19

Radiators, Water cooling. Star Radiator Mfg. Company. 331,583; Jan. 14; Serial No. 368,242; published Nov. 5, 1935.

CLASS 21

Electrical conductors. United States Rubber Products, Inc. 331,675; Jan. 14; Serial No. 369,424; published Nov. 5, 1935.
Exterminator for insects, Electrically operated. National Electric Screen Co. 331,665; Jan. 14; Serial No. 367,426; published Nov. 5, 1935.
Radio broadcast receiving sets. Freed Manufacturing Company. 331,629; Jan. 14; Serial No. 368,610; published Nov. 5, 1935.
Radio receiving sets and parts. Homer L. Kitt Co. 331,623; Jan. 14; Serial No. 368,074; published Nov. 5, 1935.
Spark plugs. Noah's Ark Auto Accessories, Inc. 331,626; Jan. 14; Serial No. 368,768; published Nov. 5, 1935.

CLASS 22

Billiard chalk. Brunswick-Balke-Collender Company. 331,651; Jan. 14; Serial No. 369,945; published Nov. 5, 1935.
Game played with pieces, Table board. G. Saxmann. 331,547; Jan. 14; Serial No. 368,780; published Nov. 5, 1935.
Shuttlecocks, nets and rackets, Badminton. Badminton Manufacturing Company. 331,607; Jan. 14; Serial No. 365,717; published Nov. 5, 1935.

CLASS 23

Brushes, used as attachments for tire dressing machinery, Wire. Pittsburgh Plate Glass Company. 331,550; Jan. 14; Serial No. 361,950; published Nov. 5, 1935.
Bushings, gears, pinions, etc. Acme Machine Products Company. 331,600; Jan. 14; Serial No. 366,971; published Nov. 5, 1935.
Cards containing complete sets of typewriter key characters. E. M. Glueck. 331,630; Jan. 14; Serial No. 368,612; published Nov. 5, 1935.
Engines, Internal combustion. White Motor Company. 331,567; Jan. 14; Serial No. 364,842; published Nov. 5, 1935.
Furnace charging forks, furnace unloaders, graining boards, and marble graining slabs. Ferro Enamel Corporation. 331,560; Jan. 14; Serial No. 362,410; published Nov. 5, 1935.
Harvester reels, sickle and cutter bars, and parts thereof. Hume-Love Company. 331,628; Jan. 14; Serial No. 368,570; published Nov. 5, 1935.
Pumps, hydraulic presses, machine tools and parts therefor, etc. Vickers, Incorporated. 331,573; Jan. 14; Serial No. 352,804; published Nov. 5, 1935.
Razor blades. R. Brewer. 331,640; Jan. 14; Serial No. 368,680; published Nov. 5, 1935.
Razors. Union Cutlery Co. 331,553; Jan. 14; Serial No. 368,086; published Nov. 5, 1935.

CLASS 24

Washboards. Carolina Washboard Company. 331,653; Jan. 14; Serial No. 369,803; published Nov. 5, 1935.

CLASS 26

Brake testing machines or apparatus. Thermoid Company. 331,598; Jan. 14; Serial No. 368,548; published Nov. 5, 1935.
Optical frames and mountings. New Jersey Optical Company. 331,699–700; Jan. 14.
Scales, Weighing. Exact Weight Scale Company. 331,511; Jan. 14; Serial No. 369,185; published Nov. 5, 1935.
Spectacles, eye glasses, and parts thereof, and ophthalmic lenses and blanks thereof. Nomar Optical Company. 331,673; Jan. 14; Serial No. 369,433; published Nov. 5, 1935.

CLASS 32

Tables, candy cases, sales tables, etc., Pedestal. Piggly Wiggly Corporation. 331,591; Jan. 14; Serial No. 368,452; published Nov. 5, 1935.

CLASS 34

Heater in which solid fuel is used, Water. G. E. Spangenberger. 331,513; Jan. 14; Serial No. 369,143; published Nov. 5, 1935.
Lamp shades, Decorative and novelty. Sall-Me Company. 331,611; Jan. 14; Serial No. 366,487; published Nov. 5, 1935.
Ranges, furnaces, and boilers. Armstrong Stove and Manufacturing Company. 331,608; Jan. 14; Serial No. 366,222; published Nov. 5, 1935.

CLASS 35

Tire vulcanizing kits, plastic tire patches, etc. Atlas Supply Company. 331,672; Jan. 14; Serial No. 369,473; published Nov. 5, 1935.
Tires, Automobile. American Auto Supply Co. Inc. 331,557; Jan. 14; Serial No. 361,794; published Nov. 5, 1935.

CLASS 36

Cornets with registers, bugles, musical trumpets, etc. Société Anonyme Couesnon. 331,620; Jan. 14; Serial No. 366,881; published Nov. 5, 1935.
Pianos. C. F. Brey. 331,676; Jan. 14; Serial No. 369,396; published Nov. 5, 1935.

CLASS 37

Books having permanently bound leaves, Blank. White and Wyckoff Mfg. Company. 331,696; Jan. 14.
Paper, Writing. F. T. Burkhardt. 331,697; Jan. 14.

CLASS 38

Photographs. I. O. Blaukenberg. 331,694; Jan. 14.

CLASS 39

Clothing. S. Weits & Company. 331,592; Jan. 14; Serial No. 368,492; published Nov. 5, 1935.
Dresses and sweaters, Ladies' knitted. Burney Epstein, Inc. 331,599; Jan. 14; Serial No. 368,558; published Oct. 29, 1935.
Dresses, coats, suits, and shoes, Women's. Strouss-Hirshberg Co. 331,569; Jan. 14; Serial No. 364,456; published July 22, 1935.
Dresses, Infants' and children's. Pioneer Manufacturing Company of Wilkes-Barre, Pa. 331,540; Jan. 14; Serial No. 368,899; published Nov. 5, 1935.
Hosiery. Carson Pirie Scott & Company. 331,613; Jan. 14; Serial No. 366,510; published Nov. 5, 1935.
Hosiery. McCrary Hosiery Mills, Inc. 331,539; Jan. 14; Serial No. 368,940; published Oct. 29, 1935.
Neckwear and ruffings, Ladies'. Levi, Simson & Co. 331,563; Jan. 14; Serial No. 363,104; published Nov. 5, 1935.
Overalls. N. & W. Overall Company. 331,516; Jan. 14; Serial No. 369,092; published Nov. 5, 1935.
Shirts and collars. Heath-Sweetser, Inc. 331,545; Jan. 14; Serial No. 368,850; published Oct. 29, 1935.
Skirts, Ladies'. Philip Gurian Sons, Inc. 331,633; Jan. 14; Serial No. 368,650; published Oct. 29, 1935.

Suits and overcoats. C. J. Lang Clothing Company. 331,635; Jan. 14; Serial No. 368,661; published Oct. 29, 1935.

Suits, coats, vests, pants, etc. S. Makransky and Sons, Inc. 331,569; Jan. 14; Serial No. 368,415; published Nov. 5, 1935.

Suits, overcoats, and topcoats. Schneiderman Bros. 331,552; Jan. 14; Serial No. 368,114; published Nov. 5, 1935.

CLASS 43

Chambrays, shirtings, broadcloth, etc., Cotton. Riverside & Dan River Cotton Mills, Inc. 331,650; Jan. 14; Serial No. 358,152; published Feb. 19, 1935.

Curtains. Frederick Loeser & Co. 331,549; Jan. 14; Serial No. 368,779; published Nov. 5, 1935.

Luncheon sets, Cotton. E. B. Myers Co. Ltd. 331,638; Jan. 14; Serial No. 368,965; published Nov. 5, 1935.

Pile fabrics. Duplan Silk Corporation. 331,520; Jan. 14; Serial No. 369,049; published Oct. 29, 1935.

Rugs, Textile. Atiyeh Bros. 331,549–50; Jan. 14; Serial Nos. 368,780–70; published Oct. 29, 1935.

Textile fabrics. International Looms, Inc. 331,617; Jan. 14; Serial No. 366,687; published Oct. 22, 1935.

Textile fabrics and curtains. Modern Curtain Co. Inc. 331,556; Jan. 14; Serial No. 367,368; published Oct. 15, 1935.

Woolen piece goods. Schneider & Armitage. 331,513; Jan. 14; Serial No. 369,169; published Nov. 5, 1935.

Woolen piece goods. Schneider & Armitage. 331,518; Jan. 14; Serial No. 369,066; published Nov. 5, 1935.

Woolen piece goods. Schneider & Armitage. 331,661; Jan. 14; Serial No. 369,300; published Nov. 5, 1935.

Woolen piece goods, Knitted. Continental Mills, Inc. 331,616; Jan. 14; Serial No. 366,605; published Oct. 15, 1935.

CLASS 43

Thread and yarn. Hooker & Sanders, Incorporated. 331,634; Jan. 14; Serial No. 368,660; published Nov. 5, 1935.

Yarn. C. F. Fischetti. 331,673; Jan. 14; Serial No. 366,247; published Oct. 22, 1935.

Yarn. Steinberger Bros. Inc. 331,639; Jan. 14; Serial No. 348,994; published Oct. 29, 1935.

Yarn, Cotton. Green & Hopson. 331,506; Jan. 14; Serial No. 364,387; published Oct. 29, 1935.

Yarn, Elastic. Caoutchouc Laboratories, Inc. 331,594; Jan. 14; Serial No. 368,517; published Oct. 15, 1935.

Yarns for art needlework. Bernhard Ulmann Co. Inc. 331,598; Jan. 14; Serial No. 368,510; published Oct. 29, 1935.

Yarns, Worsted knitting. Botany Worsted Mills. 331,531; Jan. 14; Serial No. 369,044; published Oct. 29, 1935.

CLASS 44

Glass, colored paint, and colored lamps for therapeutical purposes, Colored. C. M. Larson. 331,645; Jan. 14; Serial No. 361,174; published Nov. 5, 1935.

Obstetrical appliances, Surgeon's. J. J. Freymann. 331,654; Jan. 14; Serial No. 367,464; published Nov. 5, 1935.

Scalp cooling appliances. H. W. Ferguson. 331,565; Jan. 14; Serial No. 368,531; published Nov. 5, 1935.

CLASS 46

Bouillon, garlic seasoning, anti-diabetic tea, etc., Meatless. Modern Health Products. 331,509; Jan. 14; Serial No. 337,587; published Nov. 5, 1935.

Bread. Peoples Baking Co. 331,517; Jan. 14; Serial No. 369,098; published Nov. 5, 1935.

Canned food for dogs and cats and other carnivorous animals. Banner Wholesale Grocers, Inc. 331,610; Jan. 14; Serial No. 366,294; published Nov. 5, 1935.

Canned fruits and vegetables. Brocton Preserving Company. 331,649; Jan. 14; Serial No. 359,755; published Mar. 5, 1935.

Canned meats—namely, beef. Rich Products Corporation. 331,555; Jan. 14; Serial No. 367,310; published Nov. 5, 1935.

Cereal products. W. A. Davis. 331,691; Jan. 14.

Coffee. Albert Ehlers, Inc. 331,625; Jan. 14; Serial No. 362,742; published Nov. 5, 1935.

Coffee. Eppens, Smith Company. 331,561; Jan. 14; Serial No. 362,466; published Nov. 5, 1935.

Crackers. R. Raulli. 331,538; Jan. 14; Serial No. 366,951; published Nov. 5, 1935.

Feed, Bird. Harts Mountain Products Inc. 331,695; Jan. 14; Serial No. 366,490; published Nov. 5, 1935.

Food supplement or tonic food, Vitamin containing. Hoffmann-La Roche, Inc. 331,619; Jan. 14; Serial No. 366,500; published Nov. 5, 1935.

Grain products, Milled. General Mills, Inc. 331,602; Jan. 14; Serial No. 342,719; published Nov. 5, 1935.

Grain products, Milled. General Mills, Inc. 331,585; Jan. 14; Serial No. 369,045; published Nov. 5, 1935.

Ice cream cones and frozen confections sold in cups. Hydrox Corporation. 331,642; Jan. 14.

Noodles. J. K. Kahn. 331,531; Jan. 14; Serial No. 368,030; published Nov. 5, 1935.

Nuts and peanuts, Unshelled. I. T. and Penny B. Rhea. 331,668; Jan. 14; Serial No. 369,628; published Nov. 5, 1935.

Popcorn, Cheese-covered. Pop-Cha, Inc. 331,623; Jan. 14; Serial No. 169,506; published Nov. 5, 1935.

Potatoes in sacks and bags. L. M. Otte. 331,532; Jan. 14; Serial No. 367,201; published Nov. 5, 1935.

Potatoes, Jarred sweet. Joseph Manis and Samuel Cohn. 331,590; Jan. 14.

Sugar, Raw and refined. California and Hawaiian Sugar Refining Corporation. 331,674; Jan. 14; Serial No. 369,439; published Nov. 5, 1935.

Vegetables, cantaloupes, honeydew melons, and watermelons, Fresh. Walter Hunt & Sons, Inc. 331,687; Jan. 14; Serial No. 367,537; published Nov. 5, 1935.

CLASS 47

Wine. Johannes A. Peinemann & Co. 331,570; Jan. 14; Serial No. 346,922; published Nov. 5, 1935.

Wines. Ehrman Bros. Hays & Co. 331,571; Jan. 14; Serial No. 346,270; published Nov. 5, 1935.

Wines. Robertson Bros. & Co. Limited. 331,543; Jan. 14; Serial No. 368,800; published Nov. 5, 1935.

Wines. Geo. G. Sandeman, Sons & Co. Limited. 331,686; Jan. 14; Serial No. 367,527; published Nov. 5, 1935.

Wines. Alex D. Shaw & Co. 331,603–4; Jan. 14; Serial Nos. 365,642–3; published Nov. 5, 1935.

CLASS 48

Ales, beers, lagers, etc. John Labatt, Limited. 331,578; Jan. 14; Serial No. 353,680; published Oct. 22, 1934.

Beer. Peoscmeier Brewing Company. 331,653; Jan. 14; Serial No. 360,815; published Nov. 5, 1935.

Beer. J. Ruppert. 331,647; Jan. 14; Serial No. 340,922; published Nov. 5, 1935.

CLASS 49

Gin, whiskey, and brandy. Beaumart, Inc. 331,636; Jan. 14; Serial No. 369,050; published Nov. 5, 1935.

Gin, whiskey, and brandy. Walker's of Boston, Inc. 331,654; Jan. 14; Serial No. 332,556; published Nov. 5, 1935.

Gin, whiskey, and brandy. Walker's of Boston, Inc. 331,698; Jan. 14.

Whiskey. Bohemian Distributing Co. Ltd. 331,699–61; Jan. 14; Serial Nos. 369,790–801; published Nov. 5, 1935.

Whiskey. Bohemian Distributing Co. Ltd. 331,696; Jan. 14; Serial No. 369,802; published Nov. 5, 1935.

Whiskey. General Liquors, Incorporated. 331,534; Jan. 14; Serial No. 368,950; published Nov. 5, 1935.

Whiskey. Maison Blanche Company. 331,695; Jan. 14; Serial No. 369,526; published Nov. 5, 1935.

Whiskey. McKesson & Robbins, Incorporated. 331,662; Jan. 14; Serial No. 362,773; published Nov. 5, 1935.

Whiskey. Alberto Pezzati, Milan, and Peters or Umbral and Emanuele Umbert, proxy. 331,648; Jan. 14; Serial No. 369,161; published Nov. 5, 1935.

Whiskey. Pepper-Morson Co. Inc. 331,656; Jan. 14; Serial No. 369,128; published Nov. 5, 1935.

Whiskey. M. S. Price. 331,663; Jan. 14.

Whiskey. Western Distillers Corporation. 331,616; Jan. 14; Serial No. 369,918; published Oct. 15, 1935.

Whiskey and gin. Pennsylvania Wine & Liquor Shop, Inc. 331,697; Jan. 14; Serial No. 369,527; published Nov. 5, 1935.

Whiskey and other distilled liquors. Standard Wine & Liquor Co. 331,602; Jan. 14; Serial No. 356,188; published Nov. 5, 1935.

CLASS 50

Blackboards. J. K. Formuz. 331,692; Jan. 14.

Mats. A. T. Eckland. 331,572; Jan. 14; Serial No. 349,966; published Apr. 9, 1935.

LIST OF LABELS

Fertile Scalp Tonic. For Scalp Tonic. Fertile Company. 46,974; Jan. 14.

Lotion Deico. For a Lotion. Robbins, Williams & Co. 46,979; Jan. 14.

Nattiknit. For Sportswear. Los Angeles Knitting Mills, Ltd. 46,976; Jan. 14.

Peoria Special Beer. For Beer. Peoria Brewing Company. 46,977; Jan. 14.

Straight Club Rods. For Straight Club Rods. Ralph and Rowland. 46,978; Jan. 14.

The Snow They Use in the Movies. For Artificial Snow. Chas. A. Krause Milling Co. 46,975; Jan. 14.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Barber, Pearley L., Turner, Oreg. Mailed container. 19,819; Jan. 14.

Bohnsack, John A. (See Hauserman, E. F., Mowery, and Bohnsack.)

Chenicek, George W. (See Moore, J. E., and Chenicek.)

Cherry, George L., Western Springs, Ill., and L. F. Lamplough, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling treated articles. 19,820; Jan. 14.

Fish, Ezra B., Kansas City, Mo., assignor, by mesne assignments, to The Interstate Folding Box Company, Middletown, Ohio. Multiple-ply paper. 19,821; Jan. 14.

Hauserman, Earl F., Cleveland Heights, L. D. Mowery, Cleveland, and J. A. Bohnsack, Cleveland Heights, Ohio, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Metallic wall structure. 19,822; Jan. 14.

Hauserman, E. F., Company, The. (See Hauserman, E. F., Mowery, and Bohnsack, assignors.)

Haseltine Corporation. (See Haseltine, Louis A., assignor.)

Haseltine, Louis A., Hoboken, N. J., assignor to Haseltine Corporation. Antenna coupling system. 19,823; Jan. 14.

Interstate Folding Box Company, The. (See Fish, Ezra B., assignor.)

Lamplough, Leslie F. (See Cherry, G. L., and Lamplough.)

Moore, John E., and G. W. Chenicek, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Automatic engler distillation apparatus. 19,824; Jan. 14.

Mowery, Leroy D. (See Hauserman, E. F., Mowery, and Bohnsack.)

Ober, Beverly, and E. H. Wight, assignors to The Oberphos Company, Baltimore, Md. Fertilizer. 19,825; Jan. 14.

Oberphos Company, The. (See Ober, B., and Wight, assignors.)

Standard Oil Company. (See Moore, J. E., and Chenicek, assignors.)

Western Electric Company. (See Cherry, G. L., and Lamplough, assignors.)

Wight, Edward H. (See Ober, B., and Wight.)

LIST OF DESIGN PATENTEES

Abowitz, Jacob, New York, N. Y. Shoe. 98,134; Jan. 14.

Aeolian American Corporation. (See Kavanagh, Gardner C., assignor.)

American Hair & Felt Company. (See Clements, Arthur L., assignor.)

American Radiator Company. (See Manning, Fowler, assignor.)

Ballou, Howard M. and C. A. Joslin, assignors to R. Blackington & Co., North Attleboro, Mass. Spoon or similar article. 98,135; Jan. 14.

Barker Bros. Incorporated. (See Pumphrey, Marshall C., assignor.)

Berthold, Richard R., assignor to Platinum Products Company, Inc., New York, N. Y. Cigarette lighter. 98,136; Jan. 14.

Bevelacqua, Salvatore, New York, N. Y., assignor to The McKay Company, Pittsburgh, Pa. Settee. 98,137; Jan. 14.

Bevelacqua, Salvatore, New York, N. Y., assignor to The McKay Company, Pittsburgh, Pa. Table. 98,138; Jan. 14.

Blackington, R., & Co. (See Ballou, H. M., and Joslin, assignors.)

Bruner, Marvin J., New York, N. Y. Watch bracelet. 98,139; Jan. 14.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,140; Jan. 14.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,141; Jan. 14.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,142; Jan. 14.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,143; Jan. 14.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,144; Jan. 14.

Busch, Rudolf, Mainz, Germany. Set of playing cards. 98,145; Jan. 14.

Carr-Lowrey Glass Co. (See McLaughlin, Frank, assignor.)

Chicago Flexible Shaft Company. (See Jepson, Ivar, assignor.)

Clements, Arthur L., assignor to American Hair & Felt Company, Chicago, Ill. Carpet underliner. 98,146; Jan. 14.

Coca-Cola Company. (See Worthington, Everett, assignor.)

Cohen, Munroe, Brighton, Mass., assignor to Stritter Shoe Co., Lynn, Mass. Shoe. 98,201; Jan. 14.

Cooper, David, Brooklyn, N. Y. Buckle or similar article. 98,147; Jan. 14.

Despres, Joseph A., Scarsdale, N. Y., assignor to Bernard Rice's Sons Incorporated, New York, N. Y. Hand mirror or similar article. 98,148; Jan. 14.

De Witt, Marian F., New York, N. Y. Blouse. 98,149; Jan. 14.

Diamond Shoe Corporation. (See Rainey, Ernest A., assignor.)

Drake, Stanley T., Abington, Mass. Shoe or similar article. 98,150; Jan. 14.

Dunn, Edward R., Mount Carmel, Pa. Automobile top. 98,151; Jan. 14.

Epstein, Samuel, New York, N. Y. Shoe. 98,152; Jan. 14.

Freund, Joseph L., New York, N. Y. Pillow slip or similar article. 98,153; Jan. 14.

Freund, Joseph L., New York, N. Y. Pillow slip or similar article. 98,154; Jan. 14.

Freund, Joseph L., New York, N. Y. Pillow slip or similar article. 98,155; Jan. 14.

Geist, Irving, New York, N. Y. Blouse. 98,156; Jan. 14.

Geist, Irving, New York, N. Y. Blouse. 98,157; Jan. 14.

General Electric Company. (See Patten, Raymond E., assignor.)

Goldberg, Herman, Haverhill, Mass. Shoe. 98,205; Jan. 14.

Goldberg, Julius A., Highland Park, Ill. Shoe or similar article. 98,158; Jan. 14.

Goldman, Myron S., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 98,202; Jan. 14.

Goldman, Myron S., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 98,203; Jan. 14.

Goldman, Myron S., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 98,204; Jan. 14.

Gordon, Anne, New York, N. Y. Shoe. 98,159; Jan. 14.

Gordon, Joseph P., Rockford, Ill. Belt buckle. 98,160; Jan. 14.

Greenspan, Abraham, New York, N. Y. Dress. 98,161; Jan. 14.

Hirshman, Charles G., New York, N. Y. Shoe or similar article. 98,162; Jan. 14.

Holland Brass Works, Incorporated. (See Liska, William F., assignor.)

Hotstream Heater Company, The. (See Morrow, Clarence H., assignor.)

Howard, David J., assignor to Quaker Manufacturing Company, Chicago, Ill. Circulation heater. 98,163; Jan. 14.

Hyman, Beth, New York, N. Y. Blouse. 98,164; Jan. 14.

Jepson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Sadiron handle. 98,165; Jan. 14.

Jepson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Sadiron cover. 98,166; Jan. 14.

Jepson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Sadiron. 98,167; Jan. 14.

Jepson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Sadiron handle support. 98,168; Jan. 14.

Jepson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Sadiron handle support. 98,169; Jan. 14.

Joslin, Charles A. (See Ballou, H. M., and Joslin.)

Kavanagh, Gardner C., Rochester, assignor to Aeolian American Corporation, East Rochester, N. Y. Piano case. 98,170; Jan. 14.

Kessler, Julius, Distilling Co. (See Levine, Calman, assignor.)

Leading, Isidore, New Bedford, Mass., assignor to Sol Mutterperl, Incorporated, New York, N. Y. Hand bag. 98,171; Jan. 14.

Levine, Calman, New York, N. Y., assignor to Julius Kessler Distilling Co., Inc., Lawrenceburg, Ind. Bottle. 98,172; Jan. 14.

Levine, Calman, New York, N. Y., assignor to Julius Kessler Distilling Co., Inc., Lawrenceburg, Ind. Bottle. 98,173; Jan. 14.

Liska, William F., assignor to Holland Brass Works, Incorporated, Chicago, Ill. Candlestick. 98,174; Jan. 14.

Malden Form Brassiere Company. (See Rosenthal, William, assignor.)

Manning, Fowler, Bronxville, assignor to American Radiator Company, New York, N. Y. Humidifier casing. 98,175; Jan. 14.

Manning, Fowler, Bronxville, assignor to American Radiator Company, New York, N. Y. Humidifier casing. 98,176; Jan. 14.
Marcus, Benjamin H., New York, N. Y., and B. Strikowsky, Brooklyn, N. Y. Finger ring or similar article. 98,177; Jan. 14.
McKay Company, The. (See Bevilacqua, Salvatore, assignor.)
McLaughlin, Frank, Chicago, Ill., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 98,178; Jan. 14.
Morimura Bros. Inc. (See Buma, Yukio, assignor.)
Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Water heater. 98,179; Jan. 14.
Mutch, James B., assignor to Schelter Last Co. Inc., Rochester, N. Y. Shoe tree. 98,180; Jan. 14.
Mutterperl, Sol, Incorporated. (See Leading, Isidore, assignor.)
Patten, Raymond E., Bridgeport, Conn., assignor to General Electric Company. Electric flatiron. 98,181; Jan. 14.
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Gasoline cook stove. 98,182; Jan. 14.
Platinum Products Company. (See Berthold, Richard E., assignor.)
Pollard, Frank L., Oakland, Calif. Show case. 98,206; Jan. 14.
Pumphrey, Marshall C., Los Angeles, Calif., assignor to Barker Bros. Incorporated, Los Angeles, Calif. Radio cabinet. 98,183; Jan. 14.
Quaker Manufacturing Company. (See Howard, David J., assignor.)
Rainey, Ernest A., Manchester, N. H., assignor to Diamond Shoe Corporation, Brockton, Mass. Shoe. 98,184; Jan. 14.
Reynolds, Milton, Chicago, Ill. Binocular telescope. 98,185; Jan. 14.
Rheem Manufacturing Company. (See Rheem, Richard S., assignor.)
Rheem, Richard S., Oakland, Calif., assignor to Rheem Manufacturing Company, Richmond, Calif. Range boiler. 98,186; Jan. 14.
Rice's, Bernard, Sons Incorporated. (See Despres, Joseph A., assignor.)
Rosenthal, Justin J., Baltimore, Md. Shoe. 98,188; Jan. 14.
Rosenthal, William, assignor to Malden Form Brassiere Company, Inc., New York, N. Y. Brassiere. 98,187; Jan. 14.
Sauer, Albert H., Jr., Cincinnati, Ohio. Wrist watch strap. 98,189; Jan. 14.
Schelter Last Co. Inc. (See Mutch, James B., assignor.)
Stenham, Ethel A., New York, N. Y. Flag or similar article. 98,190; Jan. 14.
Strikowsky, Benjamin. (See Marcus, B. H., and Strikowsky.)
Stritter Shoe Co. (See Cohen, Munroe, assignor.)
Troy, Seymour, New York, N. Y. Shoe or similar article. 98,191; Jan. 14.
Valley Shoe Corporation. (See Goldman, Myron S., assignor.)
Wehrle Company, The. (See Pickup, George E., assignor.)
Wiener, Joseph D., New York, N. Y. Lace. 98,192; Jan. 14.
Wiener, Joseph D., New York, N. Y. Lace. 98,193; Jan. 14.
Wiener, Joseph D., New York, N. Y. Lace. 98,194; Jan. 14.
Wiener, Joseph D., New York, N. Y. Lace. 98,195; Jan. 14.
Wiener, Joseph D., New York, N. Y. Lace. 98,196; Jan. 14.
Wiener, Joseph D., New York, N. Y. Lace. 98,197; Jan. 14.
Wiener, Joseph D., New York, N. Y. Lace. 98,198; Jan. 14.
Wolfelt, Curt, New York, N. Y. Shoe. 98,199; Jan. 14.
Worthington, Everett, Chicago, Ill., assignor to Coca-Cola Company, Atlanta, Ga. Bottle crate. 98,200; Jan. 14.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrahams, Samuel A., Redwood City, assignor to Plant Rubber & Asbestos Works, San Francisco, Calif. Manufacturing basic magnesium carbonate. 2,027,714; Jan. 14.
"Acidia." (See Boecker, Gustav, assignee.)
Adlake Company, The. (See Hamm, William S., assignor.)
Agfa Ansco Corporation. (See Hagedorn, Max, assignor.)
Ajax Manufacturing Company, The. (See Binkenise, John R., assignee.)
Aktiebolaget Rimo. (See Lindeberg, Stig, assignor.)
Alcorn, Walter, and L. Hamiter, Columbia, S. C. Roasting and drying machine. 2,027,894; Jan. 14.
Alden, Carroll E., assignor to Air-Cell-O Aircraft & Tool Corporation, Detroit, Mich. Fuel injection system. 2,027,360; Jan. 14.
Alden, Gardner R. (See Kallander, S. L., and Alden.)
Alexander, Johan W., Eindhoven, Netherlands, assignor to Radio Corporation of America. Radio receiving apparatus. 2,027,951; Jan. 14.
Allan, Alexander M., Sapulpa, Okla. Trailer hitch connection. 2,027,852; Jan. 14.
Allan, Charles C., Pietermaritzburg, Natal, Union of South Africa. Means for use in making angular adjustments and measurements. 2,028,034; Jan. 14.
Allen, Carl M. (See Gallagher, C. A., and Allen.)
Allen, Earl M., Edgewood, and H. S. Young, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,027,715; Jan. 14.
All Metal Card Table Corporation et al. (See Klein, Henry O., assignor.)
Allyn, William N., Auburn, N. Y. Ophthalmoscope. 2,027,663; Jan. 14.
Alt, Arthur, assignor to Monsanto Chemical Company, St. Louis, Mo. Food flavoring composition. 2,027,361; Jan. 14.
Altenkirch, Edmund. (See Nesselmann, K. V., and Altenkirch.)
Altenkirch, Edmund, Nesenhagen, near Berlin, and K. Nesselmann, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Transformation of heat. 2,027,571; Jan. 14.
American Bemberg Corporation. (See Baurriedel and Knehe, assignors.)
American Bemberg Corporation. (See Hofmann, Hugo, assignor.)
American Brass Company, The. (See Munson, Elmer L., assignor.)
American Buckle Company, The. (See Hodge, Robert J., assignor.)
American Chain Company. (See La Mont, Walter D., assignor.)
American Cyanamid & Chemical Corporation. (See Jaeger, Alphons O., assignor.)
American Hardware Corporation, The. (See Holpfer, Marcus, assignor.)
American Steel Foundries. (See Lamont, John A., assignor.)
American Steel Foundries. (See Oelbers, Alfred H., assignor.)
American Telephone and Telegraph Company. (See Bascom, H. M., and Friend, assignors.)
American Telephone and Telegraph Company. (See Brandon, Roy M., assignor.)
Andersen, Nils P. E., Elm Grove, assignor to Harnischfeger Corporation, Milwaukee, Wis. Handling apparatus. 2,027,506; Jan. 14.
Anderson, Company, The. (See Anderson, J. W., and Smulski, assignors.)
Anderson, Donald E., Wausau, Wis. Wiper for adhesive-applying implements. 2,027,461; Jan. 14.
Anderson, Frohman, Detroit, Mich. Figure toy. 2,027,759; Jan. 14.
Anderson, John F., Chicago, Ill., assignor to Continental-Diamond Fibre Company, Newark, Del. Radio tube socket. 2,028,035; Jan. 14.
Anderson, John W., Gary, Ind., and T. J. Smulski, Lake Zurich, Ill., said Smulski, assignor to The Anderson Company, Gary, Ind. Windshield wiper. 2,027,362; Jan. 14.
Anderson, Virgil V. (See Hutchens, C. T., and Anderson.)
Anderson, Walter A., Rockford, Ill., assignor, by mesne assignment, to Underwood Elliott Fisher Company, New York, N. Y. Paper feed mechanism. 2,027,572; Jan. 14.
Andres, Paul O., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Making electrical resistance elements. 2,027,413; Jan. 14.
Andrew, William E., Wauwatosa, and R. I. Drake, Appleton, assignor to Marathon Paper Mills Company, Rothschild, Wis. Apparatus and method for setting up containers. 2,027,064; Jan. 14.
Apex Electrical Manufacturing Company. (See De Luis, Edward E., assignor.)
Apex Electrical Manufacturing Company, The. (See Frantz, Walter A., assignee.)
Armour, James W., assignor to Riley Stoker Corporation, Worcester, Mass. Steam boiler. 2,028,036; Jan. 14.
Armstrong Cork Company. (See Hawker, Clifford F., assignor.)
Armstrong Cork Company. (See Hawker, C. F., Herr, and Rottmund, assignors.)
Arnold, Albert W., Miami, Fla. Dispensing container. 2,027,760; Jan. 14.
Aron, Simon, et al. (See Hirst, Edwin P., assignor.)
Arthur, James L., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Ignition apparatus. 2,027,507; Jan. 14.
Askin, Joseph, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Beverage cooling device. 2,027,065; Jan. 14.
Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)
Atchinson, Walter B., assignor to The Chapman Valve Manufacturing Company, Indian Orchard, Mass. Valve operating mechanism. 2,027,363; Jan. 14.
Atlantic Refining Company, The. (See Weir, Horace M., assignor.)
Atmospheric Nitrogen Corporation. (See Brown, Ralph L., assignor.)
Austin, Walter M., Pittsburgh, Pa. Friction shock absorbing mechanism. 2,027,628; Jan. 14.
Auto Research Corporation. (See Bijur, Joseph, assignor.)
Avery, Henry A., Groton, assignor to L. C. Smith & Corona Typewriters Inc., New York, N. Y. Typewriting machine. 2,027,508; Jan. 14.
Avery, Henry A., Groton, assignor to L. C. Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 2,027,509; Jan. 14.
Ayres, Eugene, Swarthmore, and M. L. Hill, Yeadon, assignors to Gulf Refining Company, Pittsburgh, Pa. Stabilizing gum forming petroleum product. 2,027,462; Jan. 14.
Babcock, Oliver M., Evanston, Ill. Shipping container. 2,027,804; Jan. 14.
Babson, Roger W., Wellesley, Mass. Parking register. 2,028,037; Jan. 14.
Bach, Adolph D., Newton, Mass. Bending shoe shanks. 2,027,716; Jan. 14.
Bäckström, Sigurd M., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,027,761; Jan. 14.
Bacon, William I. (See Haselton, G., James, and Bacon.)
Bailey, Bruce L. (See Ridgway, R. R., and Bailey.)
Baird, Ronald J., Milwaukee, Wis. Manufacture of mercury sulphate. 2,027,264; Jan. 14.
Ball, Harvey W. (See Buck, H., and Ball.)
Ball, Harvey W., assignor to The Morgan Engineering Company, Alliance, Ohio. Machine for charging annealing furnaces and the like. 2,028,038; Jan. 14.
Ballou, Richard P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electron tube apparatus. 2,027,510; Jan. 14.
Bamberger, Arnold, et al. (See Marotte, Maurice L., assignor.)
Bandoly, Erich, assignor to Taylor Instrument Companies, Rochester, N. Y. Magnetic compass. 2,027,952; Jan. 14.
Banner, Beatrice A., executrix. (See Banner, Frank H.)
Banner, Frank H., deceased, late of Rochester, N. Y., by B. A. Banner, Rochester, N. Y., executrix, assignor to General Railway Signal Company, Rochester, N. Y. Making wrist pins. 2,027,573; Jan. 14.
Barbey, Jean W., St. Davids, and A. Bartschi, Oakmont, assignors to J. Edwards & Co., Philadelphia, Pa. Shoe. 2,027,953; Jan. 14.
Barclay, Sidney F., Manchester, England, assignor to General Fire Extinguisher Company, Providence, R. I. Nozzle. 2,027,954; Jan. 14.
Barker, George A., Rochester, N. Y. Windshield cleaning device. 2,027,365; Jan. 14.
Barrows, Donald S., Rochester, assignor to The Symington Company, New York, N. Y. Journal box. 2,028,039; Jan. 14.
Bartschi, Arnold. (See Barbey, J. W., and Bartschi.)
Bascom, Henry M., Brooklyn, and O. A. Friend, New York, N. Y., assignors to American Telephone and Telegraph Company. Telephone system. 2,027,463; Jan. 14.
Bastow, Lloyd W., South Portland, Maine. Combined label and can-opener holder. 2,027,624; Jan. 14.

Bates, Sidney E., assignor to Maintenance Equipment Company, Chicago, Ill. Ball and flange lubricator. 2,027,414; Jan. 14.

Bauer, John, Chicago, Ill. Sheet holder. 2,027,623; Jan. 14.

Bauriedel, Gotthard, and E. Knoke, Barmen, Germany, assignors to American Bemberg Corporation, New York, N. Y. Production of artificial silk by the viscose spinning process. 2,027,895; Jan. 14.

Beal, Walter H., trustee et al. (See Stanley, William C., assignor.)

Beard, Earl R., South Milwaukee, and W. L. Rietzmann, Carrollville, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of titanous compounds. 2,028,118; Jan. 14.

Beatty Bros. Limited. (See Smith, Victor M. M., assignor.)

Beauchamp, Wilfred A., Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,027,574; Jan. 14.

Becker, Frank N., assignor to Jenkins-Highland Coal Company, Jeddo, Pa. Valve. 2,027,762; Jan. 14.

Becker, Hasen K. (See Jurgens, R. G., and Becker.)

Beckett, Ernest O., Grangemouth, Scotland, assignor to Imperial Chemical Industries Limited. Intermediates for dyes. 2,027,955; Jan. 14.

Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Power transmission device. 2,027,886; Jan. 14.

Benander, George B., Yalesville, Conn., assignor to The Monowatt Electric Corporation. Plug connecter. 2,027,853; Jan. 14.

Bendix Aviation Corporation. (See Klitzrath, Victor W., assignor.)

Bendix-Cowdrey Brake Tester, Inc. (See Dodge, A. Y., and Statz, assignors.)

Benge, Frank H., Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Spinning bucket. 2,028,040; Jan. 14.

Bergamini, Herbert M. (See Stephenson, Albert, assignor.)

Bergamini, Herbert M., assignor of one-half to A. Stephenson, New York, N. Y. Fracture and orthopedic operating machine. 2,027,805; Jan. 14.

Bernhard, Harry J., Pasadena, Calif. Attachment for tire changing machines. 2,027,628; Jan. 14.

Bersworth, Frederick C., Hopkinton, assignor to F. Kottek, Ashland, Mass., doing business as F. C. Bersworth Laboratories. Production of ethylene diamine. 2,028,041; Jan. 14.

Bersworth, F. C., Laboratories. (See Bersworth, Frederick C.)

Bertran, Benjamin E., assignor of one-half to J. A. Bertran, Los Angeles, Calif. Casting bell-bottom piles piling in soft sandy material. 2,027,511; Jan. 14.

Bertran, Josie A. (See Bertran, Benjamin E., assignor.)

Bertsch, Heinrich, assignor to the firm H. Th. Böhme, Aktiengesellschaft, Chemnitz, Germany. Production of alkyl sulphates of high molecular weight. 2,027,896; Jan. 14.

Beuther, Annemarie. (See Hackhofer, M., and Beuther.)

Bickel, Clifford A. (See Whipp, W. E., and Bickel.)

Bijur, George, executor. (See Bijur, Joseph.)

Bijur, Joseph, deceased, New York, N. Y., by G. Bijur, executor, New York, N. Y., assignor to Auto Research Corporation. Central lubrication. 2,027,966; Jan. 14.

Billig, Kurt, Frankfort-on-the-Main, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft. Preparing substituted aldols. 2,027,556; Jan. 14.

Bird, Whitworth F., Drexel Hill, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Loom. 2,027,806; Jan. 14.

Blackburn, Jasper, Webster Groves, Mo. Unitary wire connecter. 2,027,415; Jan. 14.

Blair, William R., Fort Monmouth, Oceanport, N. J. System of determining meteorological conditions by radio. 2,027,367; Jan. 14.

Blakeslee, John B., Wellesley, assignor to The Ajax Manufacturing Company, Euclid, Ohio. Electric heating apparatus. 2,027,416; Jan. 14.

Bliss, Albert, Providence, R. I., assignor, by mesne assignments, to C. Manshel, Newark, N. J. Fuel oil burner. 2,027,717; Jan. 14.

Blomfield Engineering Company. (See Durant, H. T., and Stubbings, assignors.)

Blood, Harold L., and A. P. Burns, assignors to The Heald Machine Company, Worcester, Mass. Grinding machine. 2,027,627; Jan. 14.

Blott, John F. T. (See Gabriel, L. G., Blott, Pearl, Firmin, Meunier, and van der Minne.)

Blume, Margaret C. (See Hanke, Milton T., assignor.)

Blunt, Carleton, et al. (See Cunningham, Alexander, assignor.)

Board of Regents of University of Minnesota. (See Diehl, Harold S., assignor.)

Board of Trustees of the University of Illinois. (See Johnstone, Henry F., assignor.)

Bockius, Robert W., United States Navy. Navigational instrument. 2,027,326; Jan. 14.

Bodor, Andrew. (See Koch, L. E., and Bodor.)

Boecker, Gustav, Essen, Germany, assignor to "Acilia," Thionville, France. Making hard metered metals. 2,027,752; Jan. 14.

Boehler, Joseph. (See Brown, Stephen A., assignor.)

Böhme, H. Th., Aktiengesellschaft. (See Bertsch, Heinrich, assignor.)

Bommer, Max. (See Hauser, H., and Bommer.)

Bone, Herbert L., Pittsburgh, assignor to The Union Switch & Signal company, Swissvale, Pa. Railway switch-operating apparatus. 2,027,512; Jan. 14.

Bonhôte, Gérald, Basel, assignor to firm Society of Chemical Industry in Basle, Basel, Switzerland. Blue anthraquinone dyestuff. 2,027,764; Jan. 14.

Bonhôte, Gérald, Basel, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Anthraquinone dyestuff. 2,027,927; Jan. 14.

Borden Company, The. (See Magee, Leslie A., assignor.)

Borg-Warner Corporation. (See Nutt, Harold, assignor.)

Bosch, Robert, Aktiengesellschaft. (See Kleinhor, Erich, assignor.)

Boshkoff, George J., Buffalo, assignor to The Linde Air Products Company, New York, N. Y. Method and apparatus for dispensing gas material. 2,028,116; Jan. 14.

Boulanger, Louis, Brussels, and F. Emsens, Lommel, Belgium. Cracking tar and bituminous extract oils with recovery of by-products. 2,027,464; Jan. 14.

Bourgès, Fernand A., New York, N. Y. Phonographic apparatus. 2,027,826; Jan. 14.

Bowen, Martin D., Savanna, Ill. Roadway machine. 2,027,628; Jan. 14.

Bowen, Martin D., Savanna, Ill. Roadway machine. 2,027,629; Jan. 14.

Bowen, Martin D., Savanna, Ill. Roadway machine. 2,027,630; Jan. 14.

Bower, Frank A. (See de Jahn, Fredrik W., assignor.)

Bowser, Harley O., South Bend, Ind. Air hose coupling for tires. 2,027,956; Jan. 14.

Bradford Motor Works. (See Martin, John M., assignor.)

Braunstein, Schulim, Berlin, Germany, assignor of one-half to H. Stavenow, New York, N. Y. Toothbrush. 2,028,043; Jan. 14.

Braselton, Ray M., Chicago, Ill., assignor to American Telephone and Telegraph Company. Telephone system. 2,027,485; Jan. 14.

Breth, Walter J., and M. Hegler, assignors to The General Tire & Rubber Company, Akron, Ohio. Tube splicer. 2,027,854; Jan. 14.

Brinkman, Carl A., Euclid, assignor to Speyer-Brinkman-Gerstenberger, Inc., Cleveland, Ohio. Holding device. 2,027,667; Jan. 14.

Britton, Edgar C., Midland, Mich., and L. F. Martin, New Orleans, La., assignors to The Dow Chemical Company, Midland, Mich. Cumyl phenol. 2,028,048; Jan. 14.

Broadwater, Charles C. (See Cornell, M., and Curtis, assignors.)

Broadwell, William C., Mill Valley, Calif. Button element. 2,027,513; Jan. 14.

Broeren, Frank L., Menasha, assignor to Marathon Paper Mills Company, Rothschild, Wis. Paper dispenser. 2,027,668; Jan. 14.

Broeren, Frank L., Menasha, assignor to Marathon Paper Mills Company, Rothschild, Wis. Paper dispenser. 2,027,669; Jan. 14.

Broeren, Frank L., Menasha, assignor to Marathon Paper Mills Company, Rothschild, Wis. Paper dispenser. 2,027,670; Jan. 14.

Broeren, Frank L., Menasha, assignor to Marathon Paper Mills Company, Rothschild, Wis. Paper dispenser. 2,027,671; Jan. 14.

Broeren, Frank L., Menasha, assignor to Marathon Paper Mills Company, Rothschild, Wis. Portable dispenser for sheets. 2,027,672; Jan. 14.

Broeren, Frank L., Menasha, assignor to Marathon Paper Mills Company, Rothschild, Wis. Paper dispenser. 2,027,673; Jan. 14.

Broeren, Frank L., Menasha, assignor to Marathon Paper Mills Company, Rothschild, Wis. Dispenser for folded sheets. 2,027,674; Jan. 14.

Brouillet, Georges, Paris, France. Rigid motor car frame. 2,027,898; Jan. 14.

Brousseau, George F., Braintree, and H. D. Perrin, Newton Center, assignors to Hood Rubber Company, Inc., Watertown, Mass. Apparatus for stretching plastic material. 2,028,044; Jan. 14.

Brown, Edwin P. (See Smith, Myron H., assignor.)

Brown, Ralph L., Syracuse, assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Regeneration of catalysts. 2,027,955; Jan. 14.

Brown, Stephen A., assignor to J. Boshkoff, Chicago, Ill. Glue container and spreader. 2,028,084; Jan. 14.

Brubaker, Merlin M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition containing castor oil derivatives. 2,027,464; Jan. 14.

Brubaker, Merlin M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Oil derivative. 2,027,467; Jan. 14.

Bruce, Homer L., Houston, Tex. Cover for receptacles for safety razors. 2,027,860; Jan. 14.

Brunmer, Forrest R., et al. (See McCreary, Harold J., assignor.)

Brunt & Company. (See Brunt, John P., assignor.)

Brunt, John P., assignor to Brunt & Company, Chicago, Ill. Carton handle. 2,028,085; Jan. 14.

Buck, Homer, and H. W. Buck, assignors to The Master Engineering Company, Alliance, Ohio. Annealing or charging annealing furnaces and the like. 2,028,050; Jan. 14.

Buck, John, Chicago, Ill. Extension light supporting device. 2,027,515; Jan. 14.

Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)

Buehner, Christian, Milwaukee, Wis. Pencil stand. 2,027,857; Jan. 14.

Bumb, Charles F., Indianapolis, Ind. Window sash fastener. 2,027,516; Jan. 14.

Burcky, Charles W., assignor to Teletype Corporation, Chicago, Ill. Two-color ribbon mechanism. 2,027,515; Jan. 14.

Burghoff, Henry E., Yalesville, and D. E. Lawson, Waterbury, assignors to The Chase Companies, Incorporated, Waterbury, Conn. Copper base alloy. 2,027,907; Jan. 14.

Burns, Alfred P. (See Wood, H. L., and Burns.)

Burrell, William C., Kankakee, assignor to W. C. Fischer, Chicago, Ill. Center strip and support. 2,027,512; Jan. 14.

Burroughs Adding Machine Company. (See Race, Ernest, assignor.)

Burt Machine Company. (See Wild, Charles H., assignor.)

Bushnell, Charles E., assignor to General Railway Signal Company, Rochester, N. Y. Recorder for centralized traffic controlling systems. 2,027,713; Jan. 14.

Bushnell, Charles E., assignor to General Railway Signal Company, Rochester, N. Y. Indicating means for railway signaling system. 2,027,719; Jan. 14.

Calatroni, Edison, Paris, France. Door constituting a removable and changeable refrigerating unit for refrigerating plants. 2,028,045; Jan. 14.

Caldwell, Paul. (See Minotis, W. P., and Caldwell.)

Callier, André, Gand, and F. Henry, Brussels, Belgium. Motion picture projector. 2,027,815; Jan. 14.

Calvert, William E., and H. I. Cramer, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Vulcanization of rubber. 2,028,066; Jan. 14.

Cameron, Merle E., Caldwell, N. J., assignor to The Celastic Corporation, Wilmington, Del. Stiffening material. 2,027,957; Jan. 14.

Campbell, Betty, New York, N. Y. Doll and costume. 2,028,120; Jan. 14.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,027,463; Jan. 14.

Campbell, Charles A., Watertown, N. Y., and P. Dodge, Chevy Chase, Md., assignors to The New York Air Brake Company. Air brake. 2,027,460; Jan. 14.

Campbell, Frank G. (See Fortier, Francis E., assignor.)

Capehart Corporation, The. (See Erbe, Ralph R., assignor.)

Carbide and Carbon Chemicals Corporation. (See Perkins, Granville A., assignor.)

Carbide and Carbon Chemicals Corporation. (See Ray, Arthur B., assignor.)

Carbide and Carbon Chemicals Corporation. (See Warren, Richard F., assignor.)

Carbo-Norit-Union Verwaltungs Gesellschaft m. b. H. (See McCulloch, A., and Hargraves, assignors.)

Carborundum Company, The. (See Geiger, C. F., and Kempf, assignors.)

Carlotti, Charles F., Brussels, Belgium. Wind screen. 2,027,720; Jan. 14.

Carlson, Bert G., Queens Village, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Artificial horizon for aircraft. 2,027,908; Jan. 14.

Carter, George E., Company, The. (See Crosmer, Edgar R., assignor.)

Carter, Haskell C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg., Elia conveyer. 2,027,958; Jan. 14.

Carthage Mills Incorporated. (See Grosser, Melvin R., assignor.)

Caruso, Santi T., Ardmore, Pa. Dentist's tooth extracting implement. 2,027,470; Jan. 14.

Cason, Arthur C., Norfolk, Va. Nonpervious sweat band construction for hats. 2,027,471; Jan. 14.

Catok, Victor M. (See Pendleton, R. N., and Hodge, assignors.)

Cavanagh, John, Norwalk, assignor to Hat Corporation of America, South Norwalk, Conn. Reinforced edge for hat brims. 2,027,856; Jan. 14.

Celanese Corporation of America. (See Roberts, E. P., and Johnson, assignors.)

Celanese Corporation of America. (See Rooney, J. H., and Ward, assignors.)

Celanese Corporation of America. (See Vendon, Robert, assignor.)

Celastic Corporation, The. (See Cameron, Merle H., assignor.)

Celastic Corporation, The. (See Fanger, Joseph, assignor.)

Celastic Corporation, The. (See Hamilton, Russell, assignor.)

Chadwick, Lee E., Shaker Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Refrigeration apparatus. 2,027,681; Jan. 14.

Chadwick, Lee E., Shaker Heights Village, M. Ranek, Cleveland Heights, and J. A. Dahlstrom, Bay Village, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio. Oil burning apparatus. 2,027,682; Jan. 14.

Chafee, Karl W. (See Myers, S. C., and Chafee.)

Chain Belt Company. (See Shafer, Samuel, Jr., assignee.)

Chamberlain, Leonard C., and G. W. Hooker, Midland, assignors to The Dow Chemical Company, Midland, Mich. Extracting tedium. 2,028,099; Jan. 14.

Chandler, Homer F., assignor to The Ohio Brass Company, Mansfield, Ohio. Circuit controller. 2,027,576; Jan. 14.

Chapman Valve Manufacturing Company, The. (See Atchinson, Walter E., assignor.)

Chappel Bros. Inc. (See Meyer, Arthur R., assignor.)

Chase Companies, The. (See Burghoff, H. L., and Lawson, assignors.)

Christian, George J., Hartsfield, Minn. Root cutter for sewer pipes. 2,027,623; Jan. 14.

Chuchla, John, Dunbar, Pa. Motor vehicle driver's permit and registration card holder. 2,027,979; Jan. 14.

Cincinnati Electrical Tool Company, The. (See Schauer, L. L., and McKeown, assignors.)

Cincinnati Coffin Company. (See Kempen, Gilbert L., assignor.)

Clark, Emily. (See Steigerwald, August, assignor.)

Clark Equipment Company. (See Lapsley, Robert, assignor.)

Clark Equipment Company. (See Spatts, George, assignor.)

Clawson, Albert E., Springfield, Pa., assignor to Taylor Instrument Companies, Rochester, N. Y. Hygrometric apparatus. 2,027,959; Jan. 14.

Clayton, Lewis P., Toronto, Ontario, assignor to Viceroy Manufacturing Company Limited, Toronto, Ontario, Canada. Machine for molding hollow rubber articles. 2,027,634; Jan. 14.

Cleveland Pneumatic Tool Company, The. (See De Mooy, John, assignor.)

Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Production of hydrogen halides. 2,028,067; Jan. 14.

Cline, Vera L. (See Godown, Lee R., assignor.)

Clurman, Will N., Philadelphia, Pa. Indicating the fluid content of a container. 2,027,417; Jan. 14.

Cobbs, Anselem G., Des Moines, Iowa. Certificate holder. 2,027,517; Jan. 14.

Cohen, Harry, Montreal, Quebec, Canada. Tap washer. 2,027,452; Jan. 14.

Colbert, Arthur, Santa Monica, Calif. Sewing machine material guide. 2,027,472; Jan. 14.

Cole, Arthur B., Grosse Pointe, Mich. Refrigeration ice tray. 2,028,047; Jan. 14.

Collins & Aikman Corporation. (See Bird, Whitworth F., assignor.)

Columbia Mills, Inc., The. (See Elngg, William W., assignor.)

Columbia Phonograph Company. (See Davis, J. B., and Simpson, assignors.)

Commercial Filters Corporation. (See Goldman, Maurice A., assignor.)

Consolidated Car-Heating Company. (See Parsons, Robert J., assignor.)

Continental-Diamond Fibre Company. (See Anderson, John F., assignor.)

Continental-Diamond Fibre Company. (See d'Aubigne, Emile M., assignor.)

Continental-Diamond Fibre Company. (See Benge, Frank H., assignor.)

Continental-Diamond Fibre Company. (See Landt, Gustave E., assignor.)

Continental-Diamond Fibre Company. (See Ploger, Alfred, assignor.)

Cooper, Simon, assignor to Cooper Tea Packet Company, Brooklyn, N. Y. Perforated cellophane and the like, and making the same. 2,027,816; Jan. 14.

Cooper Tea Packet Company. (See Cooper, Simon, assignor.)

Cosse, James C., Wilmar, Ark. Antivibrator attachment for road machinery. 2,027,677; Jan. 14.

Cornell, Fritz G., Jr., Mountain Lakes, N. J. Heat exchange device. 2,027,809; Jan. 14.

Cornell, Mead, San Francisco, Calif., and C. C. Curtis, San Leandro, assignors to C. C. Broadwater, Oakland, Calif. Lubricating oil testing apparatus. 2,027,518; Jan. 14.

Cottrell, Osceola P., Scarsdale, N. Y., assignor to Edeleanu Gesellschaft m. b. H. High octane number gasoline and method of manufacture. 2,028,121; Jan. 14.

Crabbs, Herbert J., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,027,900; Jan. 14.

Cramer, Howard I. (See Calvert, W. C., and Cramer.)

Cranz Company. (See Frederickson, Edward A., assignor.)

Crane, Henry M., assignor to General Motors Corporation, New York, N. Y. Automobile suspension system. 2,027,877; Jan. 14.

Cranger, Frederick L., Merchantville, and M. Lee McMurtry, Camden, N. J., assignors to Radio Corporation of America. Loud speaker. 2,027,478; Jan. 14.

Creamer, Edgar E., assignor to The George B. Carter Company, Detroit, Mich. Lining for window guides and applying the same. 2,027,811; Jan. 14.

Croft, Hiram D. (See Forstner, J. L., and Croft.)

Crossley, William A., Philadelphia, Pa. Landing gear for aeroplanes. 2,027,850; Jan. 14.

Crundall, Sydney F. W., assignor to Peter Spence & Sons, Limited, Manchester, England. Preparing basic titanic oxalate. 2,027,812; Jan. 14.

Cuneo, John R., San Francisco, Calif. Fence post. 2,027,765; Jan. 14.

Cunningham, Alexander, Evanston, assignor of two-fifths to W. Hutchison, one-fifth to J. F. Hutchison and one-fifth to C. Blust, Evanston, Ill. Golf club. 2,027,635; Jan. 14.

Cunnius, Calvin, New Brunswick, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine starter. 2,027,860; Jan. 14.

Currie, Frank S., San Bernardino, Calif. Apparatus for treating sewage. 2,027,370; Jan. 14.

Currie, Lauchlin M., Lakewood, assignor to National Carbon Company, Inc., Cleveland, Ohio. Article comprising plastic compositions and making the same. 2,027,961; Jan. 14.

Currie, Lauchlin M., Lakewood, Ohio, assignor to National Carbon Company, Inc., Cleveland, Ohio. Production of articles from plastic compositions. 2,027,962; Jan. 14.

Curtis, Charles C. (See Cornell, M., and Curtis.)

Curtis, Myron S., assignor to W. W. Potter, Pawtucket, R. I. Supplementary tool support for turret lathes. 2,027,901; Jan. 14.

Cutler-Hammer, Inc. (See Krieger, Alvin W., assignor.)

Cutler-Hammer, Inc. (See Lightfoot, Edwin N., assignor.)

Dahlen, Miles A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of N-substituted aminophenols. 2,027,902; Jan. 14.

Dahlstrom, John A. (See Chadwick, L. S., Resek, and Dahlstrom.)

D'Aubigne, Emile M., Neuilly-Sur-Seine, France, assignor to Continental-Diamond Fibre Company, Newark, Del. Apparatus for making composite gear rims. 2,028,048; Jan. 14.

Davis, John D., Keyport, N. J., and J. L. Simpson, New York, N. Y., assignors to Columbia Phonograph Company, Inc., Bridgeport, Conn. Cold light source. 2,027,519; Jan. 14.

Davis, Robert M., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,027,721; Jan. 14.

Davis, Royall, O. E., and W. Scholl, Washington, D. C., dedicated to the free use of the public. Ammoniating organic materials. 2,027,766; Jan. 14.

Davison, Robert L., assignor to J. B. Pierce Foundation, New York, N. Y. Factory fabricated rough plumbing unit. 2,027,371; Jan. 14.

Davison, Robert L., New York, and E. V. Ludwig, Buffalo, assignors to John B. Pierce Foundation, New York, N. Y. Fireplace stove and heaters. 2,028,088; Jan. 14.

Davison, Sidney M., Annisquam, Mass. Apparatus for freezing materials. 2,027,372; Jan. 14.

Dawn Mfg. Corp., The. (See Welter, Herman C., assignor.)

Day, Percy C. (See Schmitter, W. P., and Day.)

Dayton Steel Foundry Company, The. (See Walther, George, assignor.)

Dean, Elmer C., Frankfort, Ind. Diving apparatus. 2,027,474; Jan. 14.

Dearborn, Richard J., Summit, N. J., and W. M. Stratford, assignors to The Texas Company, New York, N. Y. Treatment of hydrocarbon oils. 2,028,100; Jan. 14.

Dearing, Alfred E., and W. B. Parker, Manchester, Tenn. Device for admitting air and water to the cylinders of an internal combustion engine. 2,027,813; Jan. 14.

De Bats, Jean H. L., East Orange, N. J. Apparatus for preparing synthetic carbonado diamonds. 2,027,963; Jan. 14.

De Boit, Robert E., Spokane, Wash. Air cleaner. 8,027,636; Jan. 14.

Debrie, André L. V. C., Paris, France. Cinematographic film driving device. 2,027,678; Jan. 14.

Debrie André L. V. C., Paris, France. Cinematographic projector. 2,027,679; Jan. 14.

Debrie, André L. V. C., Paris, France. Projecting machine for sound cinematographs. 2,027,680; Jan. 14.

Decuis, Donald A., assignor to E. F. Pohl, St. Louis, Mo. Electric iron and dampener. 2,027,767; Jan. 14.

De Jahn, Fredrik W., New York, assignor to F. A. Bower, Bayside, N. Y. System for manufacture of nitric acid. 2,027,578; Jan. 14.

De Lanty, Lorez J., Spring Valley, assignor to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector car. 2,027,814; Jan. 14.

Delbon, Ange C., New York, N. Y. Furrier's cutting tool. 2,027,964; Jan. 14.

Dellmann, Hans, Mainz, assignor to Maschinenfabrik Augsburg-Nuernberg A. G., Nuremberg, Germany. Demoisidfying the sealing oils of waterless gasholders. 2,027,965; Jan. 14.

Deltox Rug Company. (See Schmiedel, William F., assignor.)

De Luis, Edward R., Chicago, Ill., assignor, by mesne assignments, to Apex Electrical Manufacturing Company, Cleveland, Ohio. Seal. 2,027,815; Jan. 14.

De Moor, John, Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Exhaust deflector. 2,027,579; Jan. 14.

Dennis, Edwin L., Reserve, La. Fluid pressure control apparatus. 2,028,040; Jan. 14.

Dennison Manufacturing Company. (See Kallander, E. L., and Allen, assignors.)

De Witt, William J., Auburn, assignor to Shoe Form Co., Inc., Auburn, N. Y. Fish lure. 2,028,050; Jan. 14.

Diamond Power Specialty Corporation. (See Turner, Charles S., assignor.)

Diebel, Israel, Minneapolis, Minn. Shutter mechanism for motion picture projectors. 2,027,520; Jan. 14.

Diehl, Harold S., assignor to Board of Regents of University of Minnesota, Minneapolis, Minn. Therapeutic agent. 2,027,723; Jan. 14.

Dilley, Edward R., Pine Bluff, Ark. Grate-bar. 2,027,769; Jan. 14.

Dintilhac, Jean G., assignor to Society "L'Huile Des Recordes Du Monde S. A. F.," Paris, France. Apparatus for testing liquids, and especially lubricants. 2,027,885; Jan. 14.

Dobeckmun Company, The. (See Schmidt, David, assignor.)

Dobranz, John. (See Zafuta, Carl, assignor.)

Dodge, Adiel Y., and R. J. Seats, South Bend, Ind., assignors, by mesne assignments, to Bendix-Cowdrey Brake Tester, Inc., New York, N. Y. Testing apparatus. 2,027,880; Jan. 14.

Dodge, Parker. (See Campbell, C. A., and Dodge.)

Dopyera, Rudolph, Los Angeles, Calif. Stringed musical instrument. 2,027,726; Jan. 14.

Dow Chemical Company, The. (See Chamberlain, L. C., and Hooker, assignors.)

Dow Chemical Company, The. (See Britton, E. C., and Martin, assignors.)

Dow Chemical Company, The. (See Grether, E. F., and Du Vall, assignors.)

Dow Chemical Company, The. (See Stoesser, Wesley C., assignor.)

Dow Chemical Company, The. (See Hale, William J., assignor.)

Dowell, James P. (See Geraline, Samuel G., assignor.)

Drake, Frederick H., Boonton Township, Morris County, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Oscillation generator. 2,027,521; Jan. 14.

Drake, Ronald L. (See Andrew, W. K., and Drake.)

Dreyfus, Henry, London, England. Production of artificial threads, filaments, ribbons, and the like. 2,027,413; Jan. 14.

Dreyfus, Henry, London, England. Removing water from vaporous mixtures containing aliphatic anhydrides. 2,027,420; Jan. 14.

Drucker, Albert, Chicago, Ill. Comperator. 2,027,930; Jan. 14.

Dubonnet, André, Neuilly, France. Suspended device. 2,027,906; Jan. 14.

Du Pont, E. I., de Nemours & Company. (See Reed, R. H., and Hintelmann, assignors.)

Du Pont, E. I., de Nemours & Company. (See Brubaker, Merlin M., assignor.)

Du Pont, E. I., de Nemours & Company. (See Dahlen, Miles A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Graham, Donald P., assignor.)

Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Lazier, W. A., and Woods, assignors.)

Du Pont, E. I., de Nemours & Company. (See Reichert, Joseph S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Reid, Ebenezer R., assignor.)

Du Pont, E. I., de Nemours & Company. (See Wurth, Alexander J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Woods, A. J., and Whelen, assignors.)

Durand & Huguenin, S. A. (See Hog, R., and Miller, assignors.)

Durant, Henry T., Crawley, and R. O. Stubbings, Carshalton, England, assignors to Bloomfield Engineering Company, Limited, London, England. Filter. 2,027,931; Jan. 14.

Durham, Hobart N., Munsey Park, N. Y., and C. E. Finnegan, Jr., Mountain Lake, N. J., assignors to Eureka, Ltd., New York, N. Y. Permanent waving. 2,028,031; Jan. 14.

Duro Metal Products Company. (See McNaught, Morris F., assignor.)

Du Vall, Russell B. (See Grether, E. F., and Du Vall.)

Easterly, John L., Healdsburg, Calif. Combination square and slide rule. 2,028,052; Jan. 14.

Eaton, Charles F., West Newbury, assignor, by mesne assignments, of one-half to North American Holding Corporation, and one-half to Parshad Holding Corporation, Syracuse, N. Y. Method of and apparatus for marking shoe uppers. 2,027,637; Jan. 14.

Eck, Joseph B., Sheboygan, Wis. Coaster wagon. 2,027,962; Jan. 14.

Eclipse Aviation Corporation. (See Gregg, David, assignor.)

Eclipse Aviation Corporation. (See Lansing, Raymond F., assignor.)

Eclipse Machine Company. (See Cunnius, Calvin, assignor.

Edelmann Gesellschaft m. b. H. (See Cottrell, Oscoda P., assignor.)

Eden, Edward H., St. Louis, Mo. Dental appliance. 2,027,873; Jan. 14.

Edwards, J. & Co. (See Barber, J. W., and Barnett, assignors.)

Egli, Eduard, and H. Schoch, Rutl, assignors to Maschinenfabrik Rutl vormals Caspar Honegger, Rutl, Switzerland. Weft holding for automatic weft supply. 2,027,799; Jan. 14.

Egry Register Company, The. (See Pfeiffer, William C., assignor.)

Eichmann, Friedrich, and H. Nerad, Aussig-on-the-Elbe, Czechoslovakia. Making transparent films, foils, or skins. 2,027,682; Jan. 14.

Einslie, Wallace P., and P. Caldwell, assignors to Monsan Manufacturing Company, Quincy, Mass. Anthelmintic. 2,027,967; Jan. 14.

Eisenberg, Charles G., Jr., Warwatosa, assignor to The Heil Co., Milwaukee, Wis. Vehicle body and hoist structure. 2,027,421; Jan. 14.

Electric Storage Battery Co., The. (See Woodbridge, Joseph L., assignor.)

Electrical & Musical Industries, Ltd. (See Elstrom, Rupert I., assignor.)

Electroblacks, Incorporated. (See Jakosky, John J., assignor.)

Electrolux Corporation. (See Lofgren, Gustaf E., assignor.)

Electro Metallurgical Company. (See Elmore, Augustus E., assignor.)

Electro Metallurgical Company. (See Reed, William C., assignor.)

Elliott, Fern B., and E. I. Pollard, Meadon, Me. All metal collapsible egg case. 2,027,683; Jan. 14.

Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Fibrous product and making the same. 2,027,581; Jan. 14.

Einslie, Wallace P., and P. Caldwell, assignors to Monsan Manufacturing Company, Quincy, Ill. Anthelmintic. 2,027,967; Jan. 14.

Elwell, George H. (See Finkle, T., and Elwell.)

Emens, Ferdinand. (See Boslanger, L., and Emens.)

Endicott Johnson Corporation. (See Smith, Edward L., assignor.)

Endowment Foundation. (See Hendee, Thomas J., assignor.)

Englehardt, Henry H., et al. (See McCreary, Harold J., assignor.)

Engler, Max. (See Breth, W. J., and Engler.)

Erbe, Ralph E., assignor to The Capehart Corporation, Fort Wayne, Ind. Cloning machine. 2,027,533; Jan. 14.

Erling, Ralph, Alexandria, Va. Control for hydraulic steering gears. 2,028,060; Jan. 14.

Errig, William F., Philadelphia, and G. M. Pfandt, Churchville, assignors to Pece Manufacturing Corporation, Philadelphia, Pa. Cross grooving for tires. 2,028,053; Jan. 14.

Etsel, Paul, Buffalo, N. Y. Concealed hinge for automobile and other doors. 2,027,724; Jan. 14.

Eugene, Ltd. (See Durham, H. N., and Finnegan, assignors.)

Evans Case Company. (See Reilly, Alfred F., assignor.)

Ever Klean Seat Pad Co. (See Wittcoff, Edward, assignor.)

Ex-Cell-O Aircraft & Tool Corporation. (See Alden, Carroll R., assignor.)

Fageol, William R., assignor to Twin Coach Company, Kent, Ohio. Pneumatic tire combination rail and lightway unit. 2,027,684; Jan. 14.

Fain, Jacob M., Brooklyn, assignor, by mesne assignments to The Patent and Licensing Corporation, New York, N. Y. Aqueous dispersion. 2,027,583; Jan. 14.

Falk Corporation, The. (See Schmitter, W. P., and Day, assignors.)

Fankboner, Harland, assignor to The Goss Printing Press Company, Chicago, Ill. Method and apparatus for preparing stereotype matrices. 2,027,524; Jan. 14.

Färber, Eduard, Frankfort-Hoechst, Germany, assignor, by mesne assignments, to N. V. Internationale Rederij en Alcohol Compagnie International Sugar and Alcohol Company "Isaco", The Hague, Netherlands. Polymerizing monosaccharides. 2,027,966; Jan. 14.

Fauser, Joseph, Melrose Highlands, Mass., assignor to The Celastic Corporation, Wilmington, Del. Stiffening material. 2,027,968; Jan. 14.

Feddern Manufacturing Company. (See Askin, Joseph, assignor.)

Ferris, Harvey D. (See Brousseau, G. P., and Ferris.)

Field and Flint Co. (See Flint, Perley G., assignor.)

Fields, John D., Los Angeles, Calif. Treating lubricating oil stock. 2,027,779; Jan. 14.

Filmer, Reginald H., Cheltenham, assignor to E. H. Filmer Limited, London, England. Cardboard box. 2,027,525; Jan. 14.

Filmer, R. H., Limited. (See Filmer, Reginald H., assignor.)

Finkle, Tomas, and G. H. Elwell, assignors to The Geist Manufacturing Company, New Haven, Conn. Electric switch for electric lamp sockets. 2,027,868; Jan. 14.

Finnegan, George E., Jr. (See Durham, H. N., and Finnegan.)

Firmin, Lawrence W. G. (See Gabriel, L. G., Blott, Peard, Firmin, Meunier, and van der Minne.)

Fischer, Hermann, assignor to Wurlitzer Grand Piano Company, De Kalb, Ill. Piano sounding board. 2,027,969; Jan. 14.

Fischer, Wallace C. (See Burrell, William C., assignor.)

Fischer, Wallace C., Chicago, Ill. Expansion joint installing means. 2,027,726; Jan. 14.

Fleetwings, Inc. (See Sutton, Wilson L., assignor.)

Fletcher, Henry G., Manchester, N. H. Milling machine. 2,027,726; Jan. 14.

Flint, Perley G., assignor to Field and Flint Co., Brockton, Mass. Shoe. 2,028,054 Jan. 14.

Flintkote Company, The. (See Gabriel, L. G. Blott, Peard, Firmin, Meunier, and van der Minne, assignors.)

Floreth, Alvin H., assignor to Gardner Wire Co., Chicago, Ill. Terminal end for coiled springs. 2,028,122; Jan. 14.

Flynn, Benjamin H., Alexandria, La. Road reconditioning machine. 2,027,685; Jan. 14.

Forsberg, Casper C. (See Forsberg, Frederick, R. A., and C. C.)

Forsberg, Frederick, R. A., and C. C., Rural Municipality of Dauphin, Manitoba, Canada. Power take-off. 2,027,038; Jan. 14.

Forsberg, Robert A. (See Forsberg, Frederick, R. A., and C. C.)

Forsting, Oscar E., Kimball, Nebr. Full view rifle front sight. 2,028,055; Jan. 14.

Fortier, Francis R., Jeanerette, La., assignor of one-fifth to F. G. Campbell, Arlington County, Va. Clarifying sugar cane juices. 2,027,422; Jan. 14.

Fowler, Ora S., Denver, Colo. Mouth treating composition. 2,027,374; Jan. 14.

Franck, Ernest W., Paterson, N. J. Sound reproducer. 2,027,727; Jan. 14.

Franklin, Haddon A., Cordoba, Ala. Ware motor. 2,028,056; Jan. 14.

Franklin, Ralph E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Piezo-electric crystal apparatus. 2,027,526; Jan. 14.

Frantz, Walter A., Cleveland Heights, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Suction cleaner. 2,028,060; Jan. 14.

Frapide Spielwarenfabrik Alfred Kranz. (See Schwarzbach, Oscar, assignor.)

Fraser, George H., Brooklyn, N. Y. Screen separator. 2,027,275; Jan. 14.

Fredrickson, Edward A., assignor to Crane Company, Chicago, Ill. Vacuum breaker valve. 2,028,101; Jan. 14.

Freed, Joseph, San Francisco, Calif. Silencer for flush valves. 2,028,128; Jan. 14.

Friedrich, Paul, Cologne, Germany, assignor to Trustkantoor Amstelland N. V., Amsterdam, Netherlands. Coating compositions and their production. 2,027,686; Jan. 14.

Friend, Otto A. (See Bascom, H. M., and Friend.)

Fruehauf Trailer Company, et al. (See Lubbers, Lubbert H., assignor.)

Fugatt, Earl L., Flatsville, Texas. Picker's sack carrier. 2,028,057; Jan. 14.

Fuller, Hugh H. C., London, England. Electric fan. 2,027,687; Jan. 14.

Fyler, George W., Schenectady, N. Y., assignor to General Electric Company. Coupling. 2,027,861; Jan. 14.

Gabriel, Leonard G., J. P. T. Blott, W. L. Peard, and L. W. G. Firmin, London, England, Louis Meunier, Lyon, France, and J. L. van der Minne, Amsterdam, Netherlands, assignors, by mesne assignments, to The Flintkote Company, New York, N. Y. Treating materials capable of undergoing dispersion in water and for obtaining aqueous dispersions therefrom. 2,027,584; Jan. 14.

Gallagher, Charles A., and C. M. Allen, California, Pa., assignors to General Chemical Company, New York, N. Y. Furnace. 2,027,817; Jan. 14.

Gallimore, Keith F. (See Kraut, H. E., and Gallimore.)

Gardiner, George W., Los Angeles, Calif. Doorcheck. 2,027,422; Jan. 14.

Gardiner Wire Co. (See Floreth, Alvin H., assignor.)

Gardner, Charles E. (See State, W. C., Lammertse, and Gardner.)

Garrison, Edward N., Brooklyn, N. Y. Paintbrush bridle. 2,027,771; Jan. 14.

Gasoline Antioxidant Company. (See McMullan, Edward W., assignor.)

Geiger, Charles F., Metuchen, and W. C. Kempf, Raritan Township, Middlesex County, N. J., assignors to The Carborundum Company, Niagara Falls, N. Y. Kiln setter for rearing of table wear. 2,027,585; Jan. 14.

General American Tank Car Corporation. (See Pierce, Raymond C., assignor.)

General Aniline Works, Inc. (See Weinand, K., and Klackbreasse, assignors.)

General Chemical Company. (See Gallagher, C. A., and Allen, assignors.)

General Chemical Company. (See Wollner, H. J., and Stine, assignors.)

General Electric Company. (See Fyler, George W., assignor.)

General Electric Company. (See Hand, Arthur R., assignor.)

General Electric Company. (See Hermle, Hermann, assignor.)

General Electric Company. (See Jefferson, Harold F., assignor.)

General Electric Company. (See Otis, Albert N., assignor.)

General Electric Company. (See Rankin, W. K., and Hayward, assignors.)

General Electric Company. (See Stolfield, William K., assignor.)

General Electric Company. (See Speicher, William P. J., assignor.)

General Electric Company. (See Suits, Chauncey G., assignor.)

General Electric Company. (See Warner, Donald F., assignor.)

General Electric Vapor Lamp Company. (See Keesty, Carl E., assignor.)
General Fire Extinguisher Company. (See Barclay, Sidney F, assignor.)
General Motors Corporation. (See Arthur, James L., assignor.)
General Motors Corporation. (See Crane, Henry M., assignor.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See Hartzell, Herman L., assignor.)
General Motors Corporation. (See Helgeby, Ralph O., assignor.)
General Motors Corporation. (See McGuire, Daniel C., assignor.)
General Motors Corporation. (See Randolph, Donald W., assignor.)
General Motors Corporation. (See Shippy, Leo C., assignor.)
General Railway Signal Company. (See Hauser, Frank H., assignor.)
General Railway Signal Company. (See Rushnell, Charles E., assignor.)
General Railway Signal Company. (See Merkel, Joseph F., assignor.)
General Railway Signal Company. (See Rees, Frank X., assignor.)
General Railway Signal Company. (See Renshaw, Paul, assignor.)
General Railway Signal Company. (See Wight, Sedgwick N., assignor.)
General Tire & Rubber Company, The. (See Broth, W. J., and Engler, assignors.)
George, Fred, assignor to The Hinde and Dauch Paper Company, Sandusky, Ohio. Decorative material and articles. 2,027,586; Jan. 14.
Georgia, Frank. (See Whitfield, C., and Georgia.)
Geyer, Harvey D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Quick-assembled sectional cabinet. 2,028,066; Jan. 14.
Geyer, Harvey D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Flexible metal freezing tray. 2,028,069; Jan. 14.
Gibson, Robert assignor of thirty-seven and one-half per cent to J. Kathbourn, New Waterford, Nova Scotia, and thirty-seven and one-half per cent to Peacock Brothers Limited, Montreal, Quebec, Canada. Automatic shaker shovel. 2,027,639; Jan. 14.
Giddings & Lewis Machine Tool Co. (See Kraut, H. B., and Gallimore, assignors.)
Gilbert, Estell, Jasper, Ala. Protector. 2,028,060; Jan. 14.
Gillette Safety Razor Company. (See Knobel, M., and Young, assignors.)
Gillies, Alfred J., Toronto, Ontario, Canada. Centrifugal clutch. 2,027,570; Jan. 14.
Giraud, Pierre E., assignor to Société d'Etude pour l'Epuration des Eaux "Procédés G. et B.", Paris, France. Apparatus for the purification of water. 2,027,476; Jan. 14.
Giddens Company, The. (See Small, James E., assignor.)
Godown, Lee E., Kingman, assignor of one-fifth to V. L. Kline, Kingman, Tex. Windshield wiping blade. 2,027,971; Jan. 14.
Golber, Hyman E., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Drive mechanism. 2,027,518; Jan. 14.
Goldman, Maurice A., Milford, N. H., assignor, by mesne assignments, to Commercial Filters Corporation, Boston, Mass. Filter. 2,028,061; Jan. 14.
Goldman, Maurice A., Milford, N. H., assignor to Commercial Filters Corporation, Boston, Mass. Filter apparatus. 2,028,062; Jan. 14.
Goodman Manufacturing Company. (See Sharpe, William W., assignor.)
Goodrich, B. F., Company, The. (See Schippel, Henry F., assignor.)
Goodwin, Norris, Los Angeles, and R. W. Poindexter, Long Beach, assignors to Industrial Process Company, Los Angeles, Calif. Converting hydrocarbons. 2,027,862; Jan. 14.
Gorsline, Samuel G., River Forest, Ill., assignor to James P. Dowell, McKinney, Tex. Can sealing machine. 2,027,476; Jan. 14.
Goss, Harry T., Rutherford, N. J., and B. Johnson, Brooklyn, N. Y., assignors to L. N. S. Corporation, New York, N. Y. Liquid dispensing device. 2,028,102; Jan. 14.
Goss Printing Press Company, The. (See Frankhuser, Harland, assignor.)
Goth, Erich, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Rectal narcotic. 2,027,966; Jan. 14.
Graham, Donald P., South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthrimide carbazole vat dyestuffs and preparing the same. 2,028,103; Jan. 14.
Graham, Donald P., South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Intermediates and dyestuffs of the anthraquinone series. 2,028,104; Jan. 14.
Gran, Herbert E., assignor to Byron Jackson Co., Los Angeles, Calif. Safety hook. 2,027,578; Jan. 14.
Gray, James H., Long Beach, Calif. Vehicle wheel and tire lock. 2,027,725; Jan. 14.
Gray Tool Company. (See Berry, Richard E., assignor.)
Green, Burton M., Brooklyn, N. Y. Antitooth compass. 2,028,063; Jan. 14.
Gregg, David, Caldwell, assignor to Eclipse Aviation Corporation, East Orange, N. J. Internal combustion engine. 2,027,819; Jan. 14.
Greiser, Melvin E., Cincinnati, assignor to Carthage Mills Incorporated, Carthage, Ohio. Printing of sheets materials by impregnation. 2,027,830; Jan. 14.
Grist Manufacturing Company, The. (See Fiskin, T., and Elwell, assignors.)
Groethen, Ernest F., and R. B. Du Vall, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of glycollic acid. 2,028,064; Jan. 14.
Gulf Refining Company. (See Ayres, R., and Hill, assignors.
Gunderman, Lester S., Pittsburgh, Pa., assignor to Wagner Electric Corporation, St. Louis, Mo. Brake release control mechanism for vehicles. 2,027,424; Jan. 14.
Hackhofer, Ernst, and A. Benther, Knapsack-Uerdingen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of alkali dichromate. 2,027,477; Jan. 14.
Hagedorn, Max, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Manufacture of folic. 2,027,685; Jan. 14.
Hahr, Otto R., Milwaukee, Wis. Fishing pole holder. 2,027,771; Jan. 14.
Hale, William J., Midland, Mich. Converting aldehyde to acids. 2,027,977; Jan. 14.
Hale, William J., Midland, Mich. Converting alcohols to acids. 2,027,978; Jan. 14.
Hale, William J., assignor to The Dow Chemical Company, Midland, Mich. Simultaneous hydrolysis and ammonolysis of aryl halides. 2,028,065; Jan. 14.
Hall, Elisha W., Setauket, Mass. Bunting wheel. 2,027,425; Jan. 14.
Hall, Elisha W., Setauket, Mass. Ventilated bunting wheel. 2,027,963; Jan. 14.
Haller, John, and L. A. Low, Detroit, Mich. Internal combustion engine. 2,027,972; Jan. 14.
Halpin, James. (See Raymond, John D., assignor.)
Hamer, Beverly E., Austin, Tex. Hub lamp. 2,027,618; Jan. 14.
Hamilton, Russell, Bloomfield, N. J., assignor to The Celastic Corporation, Wilmington, Del. Stiffening material. 2,027,573; Jan. 14.
Hamiter, Lloyd. (See Alcorn, W., and Hamiter.)
Hamm, William R., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Curtain fixture. 2,027,587; Jan. 14.
Hammond Clock Company, The. (See Hammond, Laurens, assignor.)
Hammond, John H., Jr. (See Hammond, J. H., Jr., and Tremor, assignors.)
Hammond, John H., Jr., Gloucester, Mass. Repeating phonograph. 2,027,427; Jan. 14.
Hammond, John H., Jr., Gloucester, Mass. Navigational guide system. 2,027,527; Jan. 14.
Hammond, John H., Jr., Gloucester, Mass. Navigational guide system. 2,027,528; Jan. 14.
Hammond, John H., Jr., Gloucester, Mass. Navigational guide system. 2,027,529; Jan. 14.
Hammond, John H., Jr., Gloucester, Mass., assignor to Radio Corporation of America. Navigational guide system. 2,027,530; Jan. 14.
Hammond, John H., Jr., and A. D. Tremor, Gloucester, Mass., assignors, by mesne assignments, to J. H. Hammond, Jr. Phonograph control by sound record. 2,027,426; Jan. 14.
Hammond, Laurens, Evanston, assignor to The Hammond Clock Company, Chicago, Ill. Electric alarm clock. 2,027,531; Jan. 14.
Hand, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Phase-sequence indicator. 2,027,994; Jan. 14.
Hand, Lee, St. Louis, Mo. Air filter. 2,027,945; Jan. 14.
Hanks, Milton T., assignor to M. C. Bloom, Chicago, Ill. Sterilizing toothbrush receptacle. 2,027,628; Jan. 14.
Hanlon, Herbert J., and J. J. Hanlon, Cleveland, Ohio. Air circulating mechanism for refrigerated cars. 2,027,974; Jan. 14.
Hanlon, James J. (See Hanlon, Herbert J., and J. J.)
Hanson, Edward P., Tulsa, Okla. Apparatus for treating the large intestine. 2,027,688; Jan. 14.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency modulation. 2,027,975; Jan. 14.
Hansen, Carl H., Oakland, Calif. Container. 2,027,469; Jan. 14.
Hansen, Carl H., assignor to J. Hansen, Oakland, Calif. Packing process. 2,027,470; Jan. 14.
Hansen, John. (See Hansen, Carl H., assignor.)
Hardy, Charles, Pelham, assignor to Hardy Metallurgical Company, New York, N. Y. Powder metallurgy. 2,027,580; Jan. 14.
Hardy, Karl T., Portland, Oreg. Weed puller. 2,027,775; Jan. 14.
Hardy Metallurgical Company. (See Hardy, Charles, assignor.)
Hargraves, Robert B. (See McCulloch, A., and Hargraves.)

Hargraves, Winifred E., administratrix. (See McCulloch, A., and Hargraves.)
Harnischfeger Corporation. (See Anderson, Mile P. E., assignor.)
Hartl, John J., Cedar Rapids, Iowa. Power device. 2,027,840; Jan. 14.
Hartzell, Herman L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,028,066; Jan. 14.
Harvey, Jacquelin E., Jr., Valdosta, Ga., assignor to C. Kehr, Washington, D. C. Concrete road building machine. 2,027,907; Jan. 14.
Haskelite Manufacturing Corporation. (See Norris, Charles B., assignor.)
Hasse, John R., St. Peters, South Australia, Australia. Change of direction indicator for motor vehicles. 2,027,821; Jan. 14.
Hat Corporation of America. (See Carnemark, John, assignor.)
Hauser, Hermann, Basel, and M. Bommer, Riehen, near Basel, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Carbazole derivatives and making same. 2,027,905; Jan. 14.
Hauser, Hermann, Basel, and M. Bommer, Riehen, near Basel, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Carbazole derivatives. 2,027,906; Jan. 14.
Hawker, Clibord E., assignor to Armstrong Cork Company, Lancaster, Pa. Roll package. 2,027,560; Jan. 14.
Hawker, Clibord F., assignor to Armstrong Cork Company, Lancaster, Pa. Packaging rolled articles. 2,027,561; Jan. 14.
Hawker, Clifford F., E. F. Herr, and F. G. Bottomley, assignors to Armstrong Cork Company, Lancaster, Pa. Apparatus for packaging rugs. 2,027,510; Jan. 14.
Hayward, Claude D. (See Hankin, W. E., and Hayward.)
Hazard & Miller. (See Johnson, Arthur H., assignor.)
Hazelton, George, C. H. James, and W. I. Bacon, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Heel and foot-rest fitting. 2,027,431; Jan. 14.
Head, Casimir J., Montreal, Quebec, Canada. Producing sponge iron. 2,028,105; Jan. 14.
Headley, Thomas J., assignor to Endowment Foundation, New Brunswick, N. J. Treating materials electrostatically. 2,027,570; Jan. 14.
Heald Machine Company, The. (See Blood, H. L., and Burns, assignors.)
Hebley, Henry F., and K. Prins, Chicago, Ill. Drier. 2,027,977; Jan. 14.
Heftye, Birger, Tampico, Mex. Vertical double action pump. 2,028,067; Jan. 14.
Heger, Fernand. (See Chiffoz, A., and Heger.)
Heil Co., The. (See Blomberg, Charles G., Jr., assignor.)
Heinze, William A. (See Vicker, J. H., and Heinze.)
Helgeby, Ralph O., Flint, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Pointer type speedometer. 2,027,980; Jan. 14.
Hendel, Georg, Baden, Ontario, Canada. Boot harvesting machine. 2,027,479; Jan. 14.
Henharen, John P., Durban, Union of South Africa. Dissolving rubber for the manufacture of paints, varnishes, and like products, and for insulating purposes. 2,028,068; Jan. 14.
Henkel & Cie, G. m. b. H. (See Lüdkert, W., and Müller, assignors.)
Henning, Malcolm B., assignor to Penn Electric Switch Co., Des Moines, Iowa. Hygroscopic control switch. 2,027,689; Jan. 14.
Hercules Powder Company. (See Stern, Raphael L., assignor.)
Herlihy, John J., et al. (See Thurston, Charles A., assignor.)
Herlihy, John W., et al. (See Thurston, Charles A., assignor.)
Herlihy, William W., et al. (See Thurston, Charles A., assignor.)
Hermle, Hermann, Berlin-Lankwitz, Germany, assignor to General Electric Company. Regenerative braking system. 2,027,905; Jan. 14.
Herr, Benjamin F. (See Hawker, C. F., Herr, and Bottmund.)
Herring, Felix R., Mount Airy, N. C. Revolving disk plow. 2,027,970; Jan. 14.
Hewel, Frank E., Pittsburgh, Pa. Striping tool. 2,027,774; Jan. 14.
Hewitt, John C., Jr., and V. H. Kuster, Long Beach, Calif., assignors to Hewitt-Kuster Company, Long Beach, Calif. Photographic plate and apparatus for loading the same. 2,027,642; Jan. 14.
Hewitt-Kuster Company. (See Hewitt, J. C., Jr., and Kuster, assignors.)
Heymann, Estelle. (See Heymann, Sidney, assignor.)
Heymann, Sidney, assignor to E. Heymann, Brooklyn, N. Y. Shirt. 2,027,661; Jan. 14.
Higley, Frank R., Cleveland Heights, Ohio. Manifold. 2,027,480; Jan. 14.
Hildenbrand, Glenn. (See Porter, R. D., and Hildenbrand.)
Hill, Mark L. (See Aitken, R., and Hill.)
Hill, William H., Riverside Heights, N. C. Stop motion for looms. 2,027,775; Jan. 14.
Hinchliffe, Edward H., Lambeth, assignor of one-half to A. H. Hurd, Malverne, Long Island, N. Y. Method and apparatus for removing fluidness from fowl. 2,027,729; Jan. 14.
Hinde and Dauch Paper Company, The. (See George, Fred, assignor.)
Hinde and Dauch Paper Company, The. (See Morton, Lawrence D., assignor.)
Hirsmann, Julius, Hillside, N. J., assignor to Radio Corporation of America. Tube base and socket. 2,027,730; Jan. 14.
Hirsch, Henry, Jersey City, N. J. Feather cleaning and sterilizing machine. 2,027,590; Jan. 14.
Hirst, Edwin P., Merchantville, N. J., assignor to G. Marks and S. Aress, trading as Novelty Sales Company, Philadelphia, Pa. Vending device. 2,027,422; Jan. 14.
Hodge, Robert J., assignor to The American Buckle Company, West Haven, Conn. Loop-buckle. 2,027,533; Jan. 14.
Hodge, Roland H. (See Pendleton, R. N., and Hodge.)
Hoe, R., & Co. (See Zuckerman, Adolph M., assignor.)
Hoff, Joseph B., Philadelphia, Pa. Valve. 2,027,978; Jan. 14.
Hoffman, Allan C., Englewood, N. J., assignor to Hoffman Brakes, Inc., New York, N. Y. Brake lining device. 2,027,822; Jan. 14.
Hoffman, Allan C., Englewood, N. J., assignor to Hoffman Brakes, Inc., New York, N. Y. Brake lining device. 2,027,823; Jan. 14.
Hoffman Brakes, Inc. (See Hoffman, Allan C., assignor.)
Hoffman Combustion Engineering Company. (See Hoffman, Jerome A., assignor.)
Hoffman, Jerome A., assignor to Hoffman Combustion Engineering Company, Detroit, Mich. Mechanical stoker. 2,027,591; Jan. 14.
Hoffman, Samuel K., and C. H. Wiegman, assignors to Lycoming Manufacturing Company, Williamsport, Pa. Driving mechanism for propellers. 2,027,392; Jan. 14.
Hofmann, Hugo, Johnson City, Texas, assignor to American Bemberg Corporation, New York, N. Y. Conditioning artificial thread. 2,027,911; Jan. 14.
Holpter, Marcus, Pittsburgh, Pa., assignor, by means assignments, to The American Hardware Corporation, New Britain, Conn. Lock construction. 2,027,731; Jan. 14.
Holtzapple, John H., York, Pa., assignor to New York Wire Cloth Company, New York, N. Y. Woven wire screen cloth. 2,027,776; Jan. 14.
Hood Rubber Company. (See Breazeale, G. F., and Ferris, assignors.)
Hood Rubber Company. (See Sheldon, Charles L., assignor.)
Hooker, George W. (See Chamberlain, L. C., and Hooker.)
Hookless Fastener Company. (See Seaver, Elliot O., assignor.)
Hoover Company, The. (See Nelson, Rudolph E., assignor.)
Hoover Company, The. (See Taylor, Charles H., assignor.)
Hopkins, Robert E., assignor to M. W. Kellogg Company, New York, N. Y. Boot pump. 2,027,979; Jan. 14.
Horgan, Timothy J., Westminster, London, England. Vehicle headlight. 2,027,660; Jan. 14.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Motor vehicle heating and cooling system. 2,028,069; Jan. 14.
Horton, William M., Beverley, Pa., assignor to Pittsburgh Screw & Bolt Corporation. Manufacture of screws and bolts. 2,027,592; Jan. 14.
Howard, Charles H., and C. D. Miller, Detroit, Mich. Electric transformer. 2,027,982; Jan. 14.
Howard, William R., assignor to U. C. T. Corporation, Washington, D. C. Manufacture of cellophane bags. 2,027,443; Jan. 14.
Hrdlan, Rudolf, Czernay Kostelec, Czechoslovakia. Weaving loom. 2,027,776; Jan. 14.
Huff, Leslie R., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotary compressor. 2,027,594; Jan. 14.
Hug, Bruno, New Allschwil, near Basel, and M. Müller, Basel, assignors to Durand & Huguenin S. A., Basel, Switzerland. Mordant disazo dyestuffs and their manufacture. 2,027,777; Jan. 14.
Huggins, Ben, Greenville, S. C. Stabilizing device for picker sticks. 2,027,631; Jan. 14.
Hunt, Martin A., Chicago, Ill. Coupling. 2,027,624; Jan. 14.
Hurd, Albert R. (See Hinchliffe, Edward H., assignor.)
Hutchens, Charles T., and V. V. Anderson, Springfield, Mo. Trussed trailer axle. 2,028,127; Jan. 14.
Hutchison, John F., et al. (See Cunningham, Alexander, assignor.)
Hutchison, William, et al. (See Cunningham, Alexander, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Billig, Kurt, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hackhofer, E., and Benther, assignors.)
Imperial Chemical Industries Limited. (See Beckett, Ernest G., assignor.)
Industrial Process Company. (See Goodwin, N., and Poindexter, assignors.)
Ingersoll, Charles R., Cleveland, Ohio. Stud bolt wrench. 2,021,514; Jan. 14.
Ingersoll-Rand Company. (See Huff, Leslie R., assignor.)
Ingersoll-Rand Company. (See Smith, William A., Sr., assignor.)
Insulite Company, The. (See Ellis, George H., assignor.)

Ireland, Samuel W., Atlantic City, N. J. Percolator. 2,027,481; Jan. 14.

Iron Fireman Manufacturing Company. (See Carter, Haskell C., assignor.)

Irving Trust Company, Permanent Trustee. (See Buckerman, Adolph M.)

Isbell, John A., Plainfield, and C. Ricards, South Plainfield, N. J., assignors to Wood Newspaper Machinery Corporation, New York, N. Y. Web roll tensioning device. 2,027,866; Jan. 14.

Jackson, Byron, Co. (See Gray, Herbert E., assignor.)

Jackson, Robert B. (See Tully, T. J., and Jackson.)

Jacobs, George H., Kings Mills, Ohio, assignor, by mesne assignments, to The Peters Cartridge Company. Primer for ammunition. 2,027,825; Jan. 14.

Jacobs, Rex C., Detroit, Mich. Glare shield. 2,027,435; Jan. 14.

Jacobson, Bernard H., Charleston, W. Va., assignor to Klipstein Chemical Processes, Inc., New York, N. Y. Cleaning and polishing composition. 2,027,536; Jan. 14.

Jaeger, Alphons O., Greentree, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, New York, N. Y. Esters of sulphodicarboxylic acids. 2,028,091; Jan. 14.

Jahosky, John J., Los Angeles, assignor to Electrobiastic, Incorporated, Culver City, Calif. Electrode for use in electrothermal processes for the production of carbon black. 2,027,735; Jan. 14.

James, Cyril H. (See Hazeltine, G., James, and Bacon.)

Jeddo-Highland Coal Company. (See Becker, Frank N., assignor.)

Jefferson, Harold P., Rugby, England, assignor to General Electric Company. Electric motor. 2,027,867; Jan. 14.

Jeffrey Manufacturing Company, The. (See Levin, N. D., and Muller, assignors.)

Jeffrey Manufacturing Company, The. (See Montgomery, William J., assignor.)

Jenner, Ralph L., Le Roy, N. Y., assignor to Lapp Insulator Company, Inc. Vertical mast wave antenna. 2,027,723; Jan. 14.

Jensen, Fred H., Grand Rapids, Mich. Advertising mechanism. 2,027,961; Jan. 14.

Johnsen, Bjornulf. (See Goss, H. T. and Johnsen.)

Johnson, Arthur E., Taft, assignor of one-half to Hazard & Miller, Los Angeles, Calif. Rotary well drilling apparatus. 2,027,734; Jan. 14.

Johnson, Charles B., De Graff, Ohio. Detachable heel. 2,027,482; Jan. 14.

Johnson, Edgar B. (See Roberts, E. P., and Johnson.)

Johnson, Herbert A. (See Settle, S. B., and Johnson.)

Johnson, James H., Washington, D. C., assignor to The Rochester Company, Inc., San Antonio, Tex. Handkerchief. 2,028,070; Jan. 14.

Johnstone, Henry F., assignor to Board of Trustees of the University of Illinois, Urbana, Ill. Removing catalysis inhibitors from aqueous solutions. 2,027,982; Jan. 14.

Jones & Laughlin Steel Corporation. (See Wellman, Alexander E., assignor.)

Joralemon, Alexander M., Newark, N. J., and A. W. Vaughan, Cleveland, Ohio, assignors to National Carbon Company, Inc. Articulated display. 2,027,536; Jan. 14.

Jorgens, Emil G., and H. K. Becker, assignors to Peters Machinery Co., Chicago, Ill. Box making and filling machine. 2,027,434; Jan. 14.

Justheim, Clarence L., Salt Lake City, Utah. Portable dry ice refrigeration. 2,027,552; Jan. 14.

Kalbhenn, Joseph, et al. (See Gibson, Robert, assignor.)

Kalckbrenner, Ernst. (See Weinand, K., and Kalckbrenner.)

Kallander, Ernest L., and G. R. Alden, assignors to Dennison Manufacturing Company, Framingham, Mass. Sticking bodies. 2,027,425; Jan. 14.

Kallander, Ernest L., and G. R. Alden, assignors to Dennison Manufacturing Company, Framingham, Mass. Adhesive tape. 2,027,426; Jan. 14.

Kalisz, Frederick, Hoboken, N. J. Electric lamp bulb. 2,027,963; Jan. 14.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle filling valve. 2,028,002; Jan. 14.

Kapp, Stanley R., New York, N. Y. Collapsible shade teat. 2,027,864; Jan. 14.

Karl, Heinrich, Jersey City, N. J. Preserving can. 2,027,437; Jan. 14.

Karl, Heinrich, Jersey City, N. J. Sanitary preserving can. 2,027,496; Jan. 14.

Kastar Specialty Mfg. Co. (See Lampert, Herbert H., assignor.)

Katadyn, Inc. (See Krause, Georg A., assignor.)

Kavanaugh, James C., et al. (See Parks, R. D., and Hildenbrand, assignors.)

Kavanaugh, John P., et al. (See Parks, R. D., and Hildenbrand, assignors.)

Keaton, Clyde D., assignor of two-thirds to S. S. Tumbridge, New York, N. Y. Coffee maker and filter. 2,027,526; Jan. 14.

Kehr, Cyrus. (See Harvey, Jacquelin B., Jr., assignor.)

Keller, Charles L., Cincinnati, assignor to The Richardson Company, Lockland, Ohio. Making composite molded products. 2,027,483; Jan. 14.

Kellogg Company. (See Wilder, Harold K., assignor.)

Kellogg, M. W., Company. (See Hopkins, Robert E., assignor.)

Kemper, Gilbert L., assignor to Cincinnati Coffee Company, Cincinnati, Ohio. Handle escutcheon. 2,028,071; Jan. 14.

Kempf, William C. (See Geiger, C. F., and Kempf.)

Kenty, Carl B., Chatham, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric discharge device. 2,027,268; Jan. 14.

Kenty, Carl B., Chatham, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Apparatus for controlled electric discharge devices. 2,027,284; Jan. 14.

Kimball, A., Company. (See Lauscher, Frederick W., assignor.)

King, Frank A., Los Angeles, Calif. Propelling mounting mechanism. 2,027,439; Jan. 14.

King, John A. C., Lansdowne, Pa. Signal indicator for railroad vehicles. 2,027,905; Jan. 14.

Kingsbury, Harry T., assignor to Kingsbury Mfg. Company, Keene, N. H. Battery light. 2,027,912; Jan. 14.

Kingsbury Mfg. Company. (See Kingsbury, Harry T., assignor.)

Kinrose, Rupert L., London, assignor to Electric & Musical Industries, Ltd., Hayes, Middlesex, England. Superheterodyne receiver. 2,027,906; Jan. 14.

Kinsel, Augustus E., Douglaston, N. Y., assignor to Electro Metallurgical Company. Treating steel making slags. 2,027,925; Jan. 14.

Kircher, Ralph R., assignor to West Bend Aluminum Co., West Bend, Wis. Electric teakettle. 2,027,537; Jan. 14.

Klaiber, Erich, Stuttgart, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Obtaining advanced and retarded ignition. 2,027,009; Jan. 14.

Klee, Henry O., Jackson, Mich., assignor of one-half to A. W. Morf, Niles Center, and J. A. Lyons, Chicago, Ill., a co-partnership, and one-half to All Metal Cloth Tube Corporation, Chicago, Ill. Upholstering of metal surfaces. 2,027,044; Jan. 14.

Kliesrath, Victor W., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,027,527; Jan. 14.

Klingelnberg, W. Ford, Rhine. (See Schicht, Heinrich, assignor.)

Klipstein Chemical Processes, Inc. (See Jacobson, Bernard H., assignor.)

Klocke, William, Woodhaven, N. Y. Press. 2,027,785; Jan. 14.

Klutz, Walter A. (See Stewart, Walter C., assignor.)

Kneale, Robert D., Atlanta, Ga. Spring-supported vehicle. 2,027,913; Jan. 14.

Knehe, Ewald. (See Baurichter, O., and Knehe.)

Knight, Arthur E., Delaware, Ohio. Radio apparatus. 2,027,828; Jan. 14.

Knobel, Max, Arlington, and L. H. Young, Auburndale, assignors to Gillette Safety Razor Company, Boston, Mass. Method and machine for testing blades. 2,027,886; Jan. 14.

Koch, Lydia B., New York, N. Y., and A. Bodor, Newark, N. J., assignors to Reinforced Paper Bottle Corporation, New York, N. Y. Manufacturing paper bottles. 2,027,484; Jan. 14.

Kögel, Wilhelm G., and N. Widell, Stockholm, Sweden, assignors, by mesne assignment, to Servel, Inc., Dover, Del. Refrigeration. 2,027,779; Jan. 14.

Keppers Company of Delaware, The. (See Shaw, Joseph, assignor.)

Körter Werner, Krefeld, assignor to Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Treating of bolt-tungsten-chromium alloys. 2,027,750; Jan. 14.

Kortek, Frank. (See Farnsworth, Fredrick C., assignor.)

Kreeft, Herman L., assignor to Murray-Ohio Manufacturing Company, Cleveland, Ohio. Stoking furnaces. 2,027,485; Jan. 14.

Kratz, Edouard M., Gary, Ind., assignor, by mesne assignments, to Marbo Products Corporation, Chicago, Ill. Casting transparent films. 2,027,829; Jan. 14.

Krause, Karl, Basel, assignor to the firm Chemical Industry in Basle, Basel, Switzerland. Manufacture of bromination products of vat dyestuffs. 2,027,814; Jan. 14.

Krause, Georg A., Munich, Germany, assignor to Katadyn, Inc., Dover, Del. Preserving milk. 2,028,072; Jan. 14.

Kraut, Hans B. and K. F. Gaillmann, assignors to Gilding & Lewis Machine Tool Co., Fond du Lac, Wis. Matrix stock for punching tools. 2,027,550; Jan. 14.

Kreis, Frederick T., Park Ridge, assignor to Vortex City Company, Chicago, Ill. Slab filler. 2,027,580; Jan. 14.

Kremers, Samuel, New York, N. Y. Manufacture of zinc sulphide. 2,027,440; Jan. 14.

Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,027,538; Jan. 14.

Krimmer, Adolf, Berlin, Germany. System for moving bodies towards and away from each other. 2,027,851; Jan. 14.

Krupp, Fried., A. G. (See Schafmeister, F., and Spenrath, assignors.)

Kunz, Jacob, Hillside, N. J. Device for preventing the ringing of garage doors. 2,027,881; Jan. 14.

Kurz, Arthur L., Chicago, Ill. Fuel producer and means for the same. 2,027,899; Jan. 14.

Kuzmier, Vivian B. (See Hewitt, J. C., Jr., and Kuzmier.)

Kuz, Albert E., Chicago, Ill. Compressor muffler. 2,027,815; Jan. 14.

Kyrides, Lazar P., Webster Groves, and H. H. Rotsellaar, St. Louis, Mo., assignors, by mesne assignments, to Monsanto Chemical Company. Flavoring of foodstuffs. 2,027,887; Jan. 14.

L. N. S. Corporation. (See Goss, H. T., and Johnsen, assignors.)

Laencher, Frederick W., Flushing, assignor to A. Kimball Company, New York, N. Y. Power driven tag marking machine. 2,027,736; Jan. 14.

Labbe, Charles L., Fort Thomas, Ky. Shoe. 2,027,737; Jan. 14.

La Londe, Frederick J., assignor to C. R. Thomas and R. R. Thomas, Virginia, Minn. Drum pedal. 2,027,969; Jan. 14.

Lammertse, Meindert. (See State, W. C., Lammertse, and Gardner.)

Lamont, John A., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,027,539; Jan. 14.

La Mont, Walter D., North Colebrook, Conn., assignor, by mesne assignments, to American Chain Company, Inc. Valve. 2,028,096; Jan. 14.

Lampert, Herbert H., Brooklyn, assignor to Kastar Specialty Mfg. Co., Inc., New York, N. Y. Pedal pad. 2,028,073; Jan. 14.

Landis, Aaron, New York, N. Y. Ornamentation for bags. 2,027,441; Jan. 14.

Landis Machine Company. (See Neil, Frederic, assignor.)

Landt, Gustave H., Norristown, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Preparing odorless synthetic resinous products. 2,027,966; Jan. 14.

Langenberg, Frederick C. (See Russell, H. F. S., and Langenberg.)

Lansing, Raymond P., Montclair, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Clutch operating means. 2,027,332; Jan. 14.

Lapointe, Francis J., Ann Arbor, Mich. Clutch. 2,027,486; Jan. 14.

Lapp Insulator Company. (See Jenner, Ralph L., assignor.)

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,027,442; Jan. 14.

Larkin, William E., Flushing, N. Y. Scooter. 2,027,888; Jan. 14.

Larson, Eric, Washington, D. C. Metal partition. 2,027,870; Jan. 14.

Lasker, William W., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Addressing machine. 2,027,916; Jan. 14.

Lasker, William W., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Card punch. 2,027,917; Jan. 14.

Lauter, Werner M., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Preparing secondary aromatic amines. 2,028,074; Jan. 14.

Lavino, E. J., and Company. (See Bell, Gilbert B., assignor.)

Lawson, David E. (See Burghoff, H. L., and Lawson.)

Lazier, Wilbur A., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company. Packing fluid seals. 2,027,889; Jan. 14.

Lazier, Wilbur A., Marshallton, and J. E. Wernts, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Oil- and water-proof product. 2,027,890; Jan. 14.

Lederer, Edwin R., Fort Worth, Tex. Lubricating oil and producing same. 2,027,739; Jan. 14.

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Railway vehicle wheel and tire. 2,027,739; Jan. 14.

Lee Metal Products Company. (See Tay, George H., assignor.)

Lee Rubber & Tire Corporation. (See Nelles, Arthur H., assignor.)

Leeuwin, Max, Eindhoven, Netherlands, assignor to Radio Corporation of America. Device indicating the position of adjustable parts of radio sets and the like. 2,027,913; Jan. 14.

Lefevre, Emil R. G., Detroit, Mich. Automobile door hinge. 2,027,883; Jan. 14.

Levin, Nils D., and H. F. Muller, Columbus, Ohio, assignors to The Jeffrey Manufacturing Company. Tamping apparatus. 2,027,901; Jan. 14.

Lewin, Charles M., New York, N. Y. Hand bag. 2,027,740; Jan. 14.

Lewis, Paul M., Denver, Colo. Pneumatic railway wheel. 2,027,540; Jan. 14.

Liberty Share Corporation. (See Morgan, Porter H., assignor.)

Lide, Martin J., Birmingham, Ala. Pulmting jig. 2,027,597; Jan. 14.

Lieberherr, Arthur, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland. Steam generator of the water tube type. 2,027,413; Jan. 14.

Lieberknecht, Paul, Einsiedel-Chemnitz, Germany. Making hosiery. 2,027,781; Jan. 14.

Light, Sidney D., Royal Oak, Mich. Scoring and punching device for loose leaf covers. 2,027,444; Jan. 14.

Lightfoot, Edwin N., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric circuit controlling device of the thermal overload type. 2,027,542; Jan. 14.

Linde Air Products Company, The. (See Bonikoff, George J., assignor.)

Lindeberg, Stig, assignor of one-half to Aktiebolaget Rimo, Stockholm, Sweden. Discontinuous absorption or adsorption cold machine. 2,027,693; Jan. 14.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Short wave signaling. 2,027,910; Jan. 14.

Lindquist, David L., Hartsdale, assignor to Otis Elevator Company, New York, N. Y. Door guiding equipment. 2,027,920; Jan. 14.

Linn, Holman H., assignor to The Linn Manufacturing Corporation, Morris, N. Y. Dump body for vehicles. 2,027,968; Jan. 14.

Linn Manufacturing Corporation, The. (See Linn, Holman H., assignor.)

Liquid Carbonic Corporation, The. (See Kantor, James, assignor.)

Lissauer, Adolph W., assignor to Louisville Drying Machinery Co. Inc., Louisville, Ky. Filter belt for roller presses. 2,027,542; Jan. 14.

List, Andrew, and C. S. Stuart, Regina, Saskatchewan, Canada. Hair drier. 2,027,694; Jan. 14.

Lofgren, Gustaf E., Rye, N. Y., assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,027,643; Jan. 14.

Lofgren, Gustaf E., Rye, N. Y., assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,027,644; Jan. 14.

Louisville Drying Machinery Co., Inc. (See Lissauer, Adolph W., assignor.)

Low, Leslie A. (See Haller, J., and Low.)

Lowell Counter Company. (See Thurston, Charles A.)

Lubbers, Lubbert E., assignor of one-half to The New Stoughton Company, Stoughton, Wis., and one-half to Fruehauf Trailer Company, Detroit, Mich. Flexible and resilient vehicle coupling. 2,027,990; Jan. 14.

Lübbert, Wolfgang, and E. L. Müller, assignors to Henkel & Cie, G. m. b. H., Duesseldorf, Germany. Esters of etherified glycollic acids. 2,027,991; Jan. 14.

Ludwig, Edgar V. (See Davison, R. L., and Ludwig.)

Lundgren, Eric, Linganore Hills, Md. Pulverising mill. 2,027,783; Jan. 14.

Lute, Carl, Hammond, Ind., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,027,598; Jan. 14.

Lycoming Manufacturing Company. (See Hoffman, S. K., and Wiegman, assignors.)

Lyons, J. Arthur, et al. (See Klee, Henry O., assignor.)

MacDonald, Ian, Modesto, Calif. Ball retriever. 2,027,546; Jan. 14.

MacDonald, Lester E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon sheet material. 2,027,445; Jan. 14.

Madland, Thorvald, Chicago, Ill., assignor, by mesne assignor.)

Mackrell, Goya D., Brooklyn, N. Y. Paper manufacture. 2,027,741; Jan. 14.

Madland, Thorvald. (See Tobin, K. J., and Madland.)

Madland, Thorvald, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,027,509; Jan. 14.

Maintenance Equipment Company. (See Bates, Sidney E., assignor.)

Makres, George, Ecorse, Mich. Advertising display. 2,027,600; Jan. 14.

Mallory, P. R., & Co. (See Andres, Paul G., assignor.)

Mann, Frank E., Preston, Ontario, Canada. Insole. 2,027,601; Jan. 14.

Marshall, Charles. (See Bliss, Albert, assignor.)

Manson, Frank G., Dayton, Ohio. Face mask. 2,027,392; Jan. 14.

Mapes, Leslie A., Palisades, N. J., assignor to The Borden Company, New York, N. Y. Apparatus for forming and wrapping bricks of ice cream and the like. 2,027,045; Jan. 14.

Marathon Paper Mills Company. (See Andrew, W. K., and Drake, assignors.)

Marathon Paper Mills Company. (See Brocren, Frank L., assignor.)

Marbo Products Corporation. (See Kratz, Edouard M., assignor.)

Marcus, Charles L., Mamaroneck, assignor to Parfums Corday, Inc., New York, N. Y. Cosmetic. 2,027,921; Jan. 14.

Marku, Gus, et al. (See Hirst, Edwin P., assignor.)

Marotte, Maurice L., assignor of one-fourth to A. Bamberger, and one-fourth to F. L. Woods, Carlisle, Pa. Vacuum sweeper. 2,027,602; Jan. 14.

Martin Brothers Electric Company, The. (See Martin, Wendell L., assignor.)

Martin, John N., Tulsa, Okla., assignor to Bradford Motor Works, Bradford, Pa. Pump anchor. 2,027,783; Jan. 14.

Martin, Lawrence F. (See Britton, R. C., and Martin.)

Martin, Wendell L., assignor to The Martin Brothers Electric Company, Cleveland, Ohio. Drying apparatus. 2,027,603; Jan. 14.

Marx, Frank A., assignor to The Richardson Taylor-Globe Corporation, Cincinnati, Ohio. Dispensing and advertising container. 2,027,645; Jan. 14.

Maschinenfabrik Augsburg-Nuernberg A. G. (See Dellmann, Hans; assignor.)

Maschinenfabrik Rüti vormals Caspar Honegger. (See Egli, E., and Schoch, assignors.)

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley ear. 2,027,694; Jan. 14.

Maurer, Herman W., Cleveland Heights, Ohio. Collapsible partition. 2,027,922; Jan. 14.

McCamish, James W., Winchester, Ind. Burial slipper. 2,027,547; Jan. 14.

McCann, Michael, 3d, Albany, N. Y., assignor, by mesne assignments, to The Singer Manufacturing Company, Elizabethport, N. J. Sewing machine. 2,027,742; Jan. 14.

McCord, Alvin C., Chicago, Ill., and G. L. Tinkham, assignors, by mesne assignments, to McCord Radiator & Mfg. Co., Detroit, Mich. Portable electric drier. 2,027,606; Jan. 14.

McCord Radiator & Mfg. Co. (See McCord, A. C., and Tinkham, assignors.)

McCreary, Harold J., assignor of one-fourth to R. G. Richardson, one-fourth to H. H. Englehardt, and one-fourth to F. B. Brunner, Chicago, Ill. Cathode ray device. 2,027,393; Jan. 14.

McCulloch, Andrew, Stalybridge, and R. R. Hargreaves, deceased, Davyhulme, England, W. R. Hargreaves, Barbank, Davyhulme, England, administratrix, assignors to Carbo-Norit-Union Verwaltungs Gesellschaft m. b. H., Frankfort-on-the-Main, Germany. Preparation of activated or absorbent carbon or decolorizing carbon. 2,027,596; Jan. 14.

McFall, Thurlow E., Sparta, Mich. Trailer brake construction. 2,027,606; Jan. 14.

McGrath, Thomas H., Detroit, Mich. Battery terminal. 2,027,645; Jan. 14.

McGuire, Daniel C., Flint, assignor to General Motors Corporation, Detroit, Mich. Tube welding machine. 2,027,607; Jan. 14.

McIntire, Charles V., Short Hills, assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Collector main valve assembly. 2,027,548; Jan. 14.

McKeown, John H. (See Schauer, L. L. and McKeown.)

McKnight, Stephen, Russell, Ky. Angle cock. 2,027,871; Jan. 14.

McMullan, Edward W., Philadelphia, Pa., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Treatment of hydrocarbons. 2,027,264; Jan. 14.

McMurtrey, M. Lee. (See Creager, F. L., and McMurtrey.)

McNaught, Harris F., assignor to Duro Metal Products Company, Chicago, Ill. Making wrench sockets. 2,027,823; Jan. 14.

McVoy, Vincent P., Mobile, Ala. Water reclaimer. 2,027,396; Jan. 14.

Means, Walter H., Atlanta, Ga. Brake. 2,027,487; Jan. 14.

Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Detachable relay. 2,027,749; Jan. 14.

Methven, John R., Middletown, Ohio. Device for cutting ice cubes. 2,027,998; Jan. 14.

Meunier, Louis. (See Gabriel, L. G., Blott, Peard, Firmin, Meunier and van der Minne.)

Meyer, Arthur R., assignor to Chapped Bros. Inc., Rockford, Ill. Preparing gonad stimulating hormone. 2,027,446; Jan. 14.

Meyer, Henry A., assignor of one-half to Wolf Machine Company, Cincinnati, Ohio. Carcass-cleaving machine. 2,027,396; Jan. 14.

Meyer, Henry A., assignor of one-half to The Wolf Machine Company, Cincinnati, Ohio. Carcass cleaving machine. 2,027,397; Jan. 14.

Michel, Johann. (See Ostermeier, J., and Michel.)

Mihlin Printing Press and Manufacturing Company. (See Golber, Hyman B., assignor.)

Miller, Abraham B., Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Making covering material. 2,027,744; Jan. 14.

Miller, Carl D. (See Howard, C. H., and Miller.)

Minneapolis-Honeywell Regulator Company. (See Taylor, Daniel G., assignor.)

Mishima, Tokushichi, Ochiai-machi, Toyotama-gori, Tokyo, Japan. Magnet steel containing nickel and aluminum. 2,027,904; Jan. 14.

Mishima, Tokushichi, Ochiai-machi, Toyotama-gori, Tokyo, Japan. Strong permanent magnet with tungsten, molybdenum, or chromium. 2,027,905; Jan. 14.

Mishima, Tokushichi, Ochiai-machi, Toyotama-gori, Tokyo, Japan. Strong permanent magnet with cobalt. 2,027,906; Jan. 14.

Mishima, Tokushichi, Yodobashi-ku, Tokyo, Japan. Permanent magnet containing copper. 2,027,907; Jan. 14.

Mishima, Tokushichi, Yodobashi-ku, Tokyo, Japan. Permanent magnet containing nickel, aluminum, cobalt, and chromium. 2,027,908; Jan. 14.

Mishima, Tokushichi, Yodobashi-ku, Tokyo, Japan. Permanent magnet containing nickel, aluminum, and manganese. 2,027,909; Jan. 14.

Mishima, Tokushichi, Yodobashi-ku, Tokyo, Japan. Permanent magnet containing nickel, aluminum, and vanadium. 2,028,000; Jan. 14.

Mizer, Harold P., Floral Park, assignor to Remington Rand Inc., Buffalo, N. Y. Supporting and locking means for printing interpreters. 2,027,929; Jan. 14.

Moeller, George J., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston skirt expander. 2,027,972; Jan. 14.

Moller, Edward A., Baltimore, Md. Knob core and mounting means. 2,027,606; Jan. 14.

Monarch Machine Tool Company, The. (See Whipp, W. E., and Bichel, assignors.)

Monogram Corporation, The. (See Tyler, Tracy B., assignor.)

Monowatt Electric Corporation, The. (See Smeaton, George B., assignor.)

Monsanto Chemical Company. (See Alt, Arthur, assignor.)

Monsanto Chemical Company. (See Syrkin, Y. F., and Retsillina, assignors.)

Montgomery, William J., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Ventilator. 2,027,641; Jan. 14.

Montgomery, William J., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company, Ventilator. 2,027,745; Jan. 14.

Moore, Thomas F., Morris Plains, N. J. Well-point. 2,027,998; Jan. 14.

Moorman Manufacturing Company. (See Hamlin, W. P., and Caldwell, assignors.)

Moran, John, Long Island, N. Y. Cultivating tool. 2,028,001; Jan. 14.

Moreau, Pierre, Neuilly, France. Freewheel device. 2,027,926; Jan. 14.

Morf, Arnold W., et al. (See Klee, Henry O., assignor.)

Morgan Engineering Company, The. (See Bank, Harvey W., assignor.)

Morgan Engineering Company, The. (See Bank, H., and Ball, assignors.)

Morgan, Porter H., New York, assignor to Liberty Shoe Corporation, Buffalo, N. Y. Eight glass. 2,027,696; Jan. 14.

Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Refining of petroleum oil. 2,027,648; Jan. 14.

Morris, Harold W., Waltham, Mass., assignor, by mesne assignments, to The Singer Manufacturing Company, Elizabethport, N. J. Binding wire or the like. 2,027,748; Jan. 14.

Morton, Lawrence D., Sandusky, Ohio, assignor to The Hinde and Dauch Paper Company. Joined structure. 2,027,747; Jan. 14.

Mossberg, Frank, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation. Beam with adjustable head. 2,027,746; Jan. 14.

Mossberg, Frank, and E. V. Olson, Attleboro, Mass., assignors to Mossberg Pressed Steel Corporation. Beam. 2,027,749; Jan. 14.

Mossberg Pressed Steel Corporation. (See Mossberg, Frank, assignor.)

Mossberg Pressed Steel Corporation. (See Mossberg, F., and Olson, assignors.)

Muldoon, Anthony M., Hightstown, N. J. Loom. 2,028,002; Jan. 14.

Müller, Ernest L. (See Lambert, W., and Müller.)

Muller, Ernst F. (See Levin, N. D., and Muller.)

Müller, Max. (See Hug, E., and Müller.)

Multiposter Advertising Corporation. (See Roberts, Charles, assignor.)

Municipal Sanitary Service Corporation. (See Rabell, William, assignor.)

Munson, Elmer L., Naugatuck, assignor to The American Brass Company, Waterbury, Conn. Copper base alloy. 2,027,750; Jan. 14.

Murray, Ernest H., Jackson, Mich., assignor of one-fourth to J. W. Myers, Philadelphia, Pa., and one-half to L. W. MacFarland, Long Island City, N. Y. Method and apparatus for cutting fabric blanks. 2,027,925; Jan. 14.

Murray-Ohio Manufacturing Company. (See Russell, Herman L., assignor.)

Myers, Joseph W., et al. (See Murray, Ernest H., assignor.)

Myers, Chesterfield G., Prospect, and E. W. Clarke, assignor to Sperry Gyroscopic Company, Inc., Brooklyn, N. Y. Gyrodire director system. 2,027,926; Jan. 14.

N. V. Internationale Buiker en Alcohol Compagnie Internationale Kempy and Alcohol Company, "Inca". (See Förber, Edward, assignor.)

Nail, John L., Danville, Va. Brake equalizing mechanism for motor vehicles. 2,027,873; Jan. 14.

Nail, John L., Danville, Va. Brake shoe equalizing device. 2,027,874; Jan. 14.

National Carbon Company. (See Currie, Lauchlin M., assignor.)

National Carbon Company. (See Jacobsson, A. M., and Vaughan, assignors.)

National Paper Box Co. (See Newton, Edwin H., assignor.)

Neff, Frederic, assignor to Landis Machine Company, Waynesboro, Pa. Collapsible tap. 2,028,079; Jan. 14.

Neffen, Arthur H., Merion, assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Vehicle tire. 2,028,003; Jan. 14.

Nelson, Herbert, Bear Orange, N. J., assignor to Radio Corporation of America. Photoelectrostatic relay. 2,027,791; Jan. 14.

Nelson, Maxwell R., Minto, Mont. Folding sack. 2,027,930; Jan. 14.

Nelson, Rudolph E., Rockford, Ill., assignor to The Heaver Company, North Canton, Ohio. Absorption refrigeration. 2,027,527; Jan. 14.

Nerad, Herbert. (See Birkmann, F., and Nerad.)

Neu, Edward P., Toledo, Ohio. Cutter. 2,027,659; Jan. 14.

Nesselmann, Kurt. (See Altenkirch, E., and Nesselmann.)

Nesselmann, Kurt V., Berlin-Siemensstadt, and E. Altenkirch, Nonnendamm, near Berlin, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. System for the conversion of heat. 2,027,810; Jan. 14.

New Haven Clock Co., The. (See Whitehead, R. H., and Porter, assignors.)

New Stoughton Company, The, et al. (See Lambert, Lambert E., assignor.)

Newton, Edwin H., assignor to National Paper Box Co., Kansas City, Mo. Machine for shaping cardboard articles. 2,027,940; Jan. 14.

New York Air Brake Company, The. (See Campbell, Charles A., assignor.)

New York Air Brake Company, The. (See Campbell, C. A., and Dodge, assignors.)

New York Wire Cloth Company. (See Hollingsworth, John H., assignor.)

Nichols, Harry W., Bridgeport, Conn. Roof covering. 2,028,004; Jan. 14.

Nielsen, Niels, Frederiksberg, near Copenhagen, Denmark, assignor to P. L. Smidth & Co., New York, N. Y. Homogenizing pulverulent materials. 2,027,697; Jan. 14.

Nilz, Nickolas J., Munising, Mich. Paper making machine. 2,027,611; Jan. 14.

Nissen, Henry C., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,028,006; Jan. 14.

Noble, Arnold, Halifax, and T. P. Wolfland, Morecambe, England. Hat peg or the like. 2,027,857; Jan. 14.

Norris, Charles B., Grand Rapids, Mich., assignor to Haskelite Manufacturing Corporation. Making plywood trays or the like. 2,028,076; Jan. 14.

North American Holding Corporation, et al. (See Bates, Charles F., assignor.)

Norton Company. (See Ridgway, R. R., and Bailey, assignors.)

Norwood, Elias R., Fairfax, Calif. Rack. 2,027,918; Jan. 14.

Nova, Herman, assignor to Shambow Shuttle Company, Woonsocket, R. I. Loom shuttle structure. 2,027,758; Jan. 14.

Novelty Sales Company. (See Hirst, Edgar F.)

Nutt, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,027,850; Jan. 14.

O. & S. Bearing Company. (See Skillman, Newton, assignor.)

Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone set. 2,027,549; Jan. 14.

Odend'Hal, Charles J., Washington, D. C. Pressure gauge. 2,027,875; Jan. 14.

Oelhers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Draft gear. 2,027,416; Jan. 14.

Ohio Brass Company, The. (See Chandler, Homer P., assignor.)

Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)

Ohio Brass Company, The. (See Piper, Pliny F., assignor.)

Olson, Raymond E., assignor to Taylor Instrument Companies, Rochester, N. Y. Heat exchange system. 2,027,929; Jan. 14.

Olson, Robert V. (See Mossberg, F., and Olson.)

One Minute Washer Company. (See Weinbrod, Carl C., assignor.)

Ostermeier, Johannes Moritz, and Johann Michel, Augsburg, Germany. Electric control apparatus. 2,027,558; Jan. 14.

Otis, Albert M., Schenectady, N. Y., assignor to General Electric Company. Roll type annealing furnace. 2,028,108; Jan. 14.

Otis Elevator Company. (See Lindquist, David L., assignor.)

Owens, Freeman H., New York, N. Y. Photographic sound recording apparatus. 2,028,006; Jan. 14.

Oxford Varnish Corporation. (See van Weberen, Guido, assignor.)

Packard Motor Car Company. (See Vincent, Jesse G., assignor.)

Padelford, Lester R., assignor to The Republic Metalware Company, Buffalo, N. Y. Gas heated toasting device. 2,027,990; Jan. 14.

Page, John, Bronxville, Ill. Partition structure. 2,027,784; Jan. 14.

Panther-Panco Rubber Co. Inc. (See Pennoni, Dominic, assignor.)

Paraffine Companies, The. (See Miller, Abraham B., assignor.)

Paraffine Companies, The. (See Seaman, Leland S., assignor.)

Parfums Corday, Inc. (See Morson, Charles L., assignor.)

Parker, William B. (See Dearing, A. E., and Parker.)

Parkersburg Rig & Reel Company, The. (See Bettis, E. E., and Johnson, assignors.)

Parks, Robert D., and G. Hildenbrand, Lebrville, Iowa, assignor of one-fourth to J. P. Kavanaugh and J. C. Kavanaugh, Waterbury, Nebr., and one-fifth to H. S. Snyder, Sioux City, Iowa. Automatic corn popping machine. 2,027,606; Jan. 14.

Parshad Holding Corporation, et al. (See Eaton, Charles F., assignor.)

Parsons, Robert J., Schenectady, assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Thermostatic circuit controller. 2,028,077; Jan. 14.

Patent and Licensing Corporation, The. (See Fala, Jacob M., assignor.)

Patrol Valve Company, The. (See Te Pas, Edmund J., assignor.)

Peacock Brothers Limited, et al. (See Gibson, Robert, assignor.)

Peard, William L. (See Gabriel, L. G., Blott, Peard, Firmin, Meunier and van der Minne.)

Pecknold, Cecil E., Vancouver, British Columbia, Canada. Sanitary girdle. 2,028,007; Jan. 14.

Pece Manufacturing Corporation. (See Ehrig, W. F., and Prandt, assignors.)

Pellow, Charles E., et al. (See Solomon, Thomas N., assignor.)

Penardi, Dominic, Stoughton, assignor to Panther-Panco Rubber Co. Inc., Chelsea, Mass. Mold for the production of rubber heels. 2,027,651; Jan. 14.

Pendleton, Ralph N., and B. H. Hodge, Worcester, Mass., assignors, by mesne assignments, to V. M. Cator, New York, N. Y. Tire grooving machine. 2,027,490; Jan. 14.

Penn Electric Switch Co. (See Henning, Malcolm E., assignor.)

Pennebaker, Robert H., Baton Rouge, La. Oil filter. 2,027,576; Jan. 14.

Pennebaker, Robert H., New Orleans, La. Oil filter. 2,027,490; Jan. 14.

Percy, Paul, New Rochelle, N. Y. Electric plug. 2,027,447; Jan. 14.

Percy, Walter J., Ferndown, Dorset, England. Service hatch. 2,027,491; Jan. 14.

Perdriaat, Charles, Geneva, Switzerland. Burner for liquid fuels. 2,027,699; Jan. 14.

Perfection Stove Company. (See Chadwick, Lee S., Rosa, and Dahlstrom, assignors.)

Perfection Stove Company. (See Chadwick, Lee S., assignor.)

Perkins, Granville A., South Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Chlorobutadiene. 2,027,580; Jan. 14.

Perkins, Julian L., and H. D. Croft, assignors to Perkins Machine & Gear Company, Springfield, Mass. Broaching machine. 2,027,401; Jan. 14.

Perkins Machine & Gear Company. (See Perkins, J. L., and Croft, assignors.)

Pescara, Raul P., Paris, France. Motor compressor. 2,027,877; Jan. 14.

Peters Cartridge Company, The. (See Jacobs, George H., assignor.)

Peters Machinery Co. (See Jurgens, B. G., and Becker, assignors.)

Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Crystal controlled oscillator. 2,027,443; Jan. 14.

Petroleum Iron Works Co. of Ohio, The. (See Shaner, Edgar E., assignor.)

Peyinghaus, Walter, Egge, near Volmarstein-in-the-Ruhr, Germany. Apparatus for continuous machining of work-pieces and particularly in housings for axial bearings of rear vehicles. 2,028,004; Jan. 14.

Pfeiffer, William C., assignor to The Hoyt Register Company, Dayton, Ohio. Method and apparatus for handling multiple paper sheets. 2,027,612; Jan. 14.

Pfundt, George M. (See Ehrig, W. F., and Pfundt.)

Philadelphia Metal Drying Form Company. (See Weber, Rudolph, assignor.)

Phillips Petroleum Company. (See Begatz, Henry, assignor.)

Phillips Petroleum Company. (See Youker, Malcolm P., assignor.)

Phillips Refrigeration Products, Inc. (See Phillips, Walter C., assignor.)

Phillips, Walter C., assignor to Phillips Refrigeration Products, Inc., San Francisco, Calif. Car cooling device. 2,027,824; Jan. 14.

Pierce, Albert E., Jr., New Bedford, Mass. Wind angle indicator. 2,027,613; Jan. 14.

Pierce, John R., Foundation. (See Davison, Robert L., assignor.)

Pierce, John R., Foundation. (See Davison, R. L., and Ludwig, assignors.)

Pierce, Raymond C., Chicago, Ill., assignor to General American Tank Car Corporation. Refrigerator structure. 2,027,275; Jan. 14.

Piper, Pliny F., assignor to The Ohio Brass Company, Mansfield, Ohio. Apparatus for bonding rails. 2,027,614; Jan. 14.

Pisciotero, Nicholas F. A., Weymouth, Mass. Pumping device. 2,027,879; Jan. 14.

Pittsburgh Screw & Bolt Corporation. (See Horton, William M., assignor.)

Plant Rubber & Asbestos Works. (See Abrahams, Samuel A., assignor.)

Plante, Oliver F., Worcester, Mass. Electric outlet. 2,028,009; Jan. 14.

Flager, Alfred, Oak Park, Ill., assignor to Continental-Diamond Fibre Company, Newark, Del. Socket device. 2,028,010; Jan. 14.

Pohl, Ernest F. (See Deems, Donald A., assignor.)

Poindexter, Robert W. (See Goodwin, N., and Poindexter.)

Pollard, Earl I. (See Elliott, F. B., and Pollard.)

Porter, Wilson B. (See Whitehead, R. H., and Porter.)

Potter, William W. (See Curtis, Myron E., assignor.)

Prins, Klaas. (See Hebley, H. F., and Prins.)

Pruitt, Raymond S., Trustees et al. (See Starkey, William C., assignor.)

Prutzman, Paul W., Los Angeles, Calif., assignor to Secony-Vacuum Corporation, New York, N. Y. Method and apparatus for electrical dehydration. 2,027,615; Jan. 14.

Prutzman, Paul W., Los Angeles, Calif., assignor to Secony-Vacuum Corporation, New York, N. Y. Method and apparatus for electrical dehydration. 2,027,616; Jan. 14.

Public, Free use of the. (See Davis, R. O. E., and Scholl.)

Race, Ernest, assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine and cash drawer. 2,027,449; Jan. 14.

Radio Corporation of America. (See Alexander, Johan W., assignor.)

Radio Corporation of America. (See Bedford, Alda V., assignor.)

Radio Corporation of America. (See Croneer, F. L., and McEachron, assignors.)

Radio Corporation of America. (See Drake, Frederick H., assignor.)

Radio Corporation of America. (See Franklin, Ralph E., assignor.)

Radio Corporation of America. (See Hammond, John H., Jr., assignor.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Hitzmann, Julius, assignor.)

Radio Corporation of America. (See Loewuin, Max, assignor.)

Radio Corporation of America. (See Lindenblad, Nils E., assignor.)

Radio Corporation of America. (See Nelson, Herbert, assignor.)

Radio Corporation of America. (See Peterson, Harold O., assignor.)

Radio Corporation of America. (See Roberts, Walter van B., assignor.)

Radio Corporation of America. (See Yollen, Jacob, assignor.)

Raisch, William, Forest Hills, assignor to Municipal Sanitary Service Corporation, New York, N. Y. Filter. 2,027,652; Jan. 14.

Ramsey Accessories Manufacturing Corporation. (See Moeller, George J., assignor.)

Randolph, Donald W., Flint, assignor to General Motors Corporation, Detroit, Mich. Ignition circuit. 2,027,617; Jan. 14.

Rankin, William K., and C. D. Hayward, Lansdowne, Pa., assignors to General Electric Company. Vacuum switch and fabricating the same. 2,027,835; Jan. 14.

Rankin, William K., and C. D. Hayward, Lansdowne, Pa., assignors to General Electric Company. Vacuum switch. 2,027,836; Jan. 14.

Raub, Frederic H., South Orange, assignor to J. Wise & Sons Co., Newark, N. J. Bottle cap remover. 2,027,785; Jan. 14.

Ray, Arthur B., Bayside, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Depositing silica on material. 2,027,831; Jan. 14.

Ray, Arthur B., Bayside, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Mold and method for its production. 2,027,832; Jan. 14.

Raymond, Fred L., River Forest, Ill. Supplying steam to the radiators of steam heating systems. 2,027,880; Jan. 14.

Raymond, Fred L., River Forest, Ill. Steam heating system. 2,027,881; Jan. 14.

Raymond, John D., assignor of one-third to J. Halpin, Detroit, Mich. Safety razor handle. 2,028,011; Jan. 14.

Read, William C., New Rochelle, N. Y., assignor to Electro Metallurgical Company. Making alloys. 2,027,437; Jan. 14.

Rees, Frank X., Albany, N. Y., assignor to General Railway Signal Company, Rochester, N. Y. Electrical circuit and relay therefor. 2,027,701; Jan. 14.

Reichert, Joseph S., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Stabilizing hydrogen peroxide solutions with pyrophosphoric acid. 2,027,858; Jan. 14.

Reichert, Joseph S., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Purification of hydrogen peroxide solutions. 2,027,859; Jan. 14.

Reid, Ebenezer E., Baltimore, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of esters of unsaturated acids. 2,028,012; Jan. 14.

Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Ornamentation. 2,028,013; Jan. 14.

Reinecke, Henry, Toronto, Ontario, Canada. Treating hydrocarbon fuels. 2,028,014; Jan. 14.

Reinforced Paper Bottle Corporation. (See Koch, L. B., and Bodor, assignors.)

Reis, Arthur M., New York, N. Y. Undergarment. 2,027,987; Jan. 14.

Remington Arms Company. (See Wharton, Thomas H., assignor.)

Remington Rand Inc. (See Lasker, William W., assignee.)

Remington Rand Inc. (See Mixer, Harold P., assignee.)

Renshaw, Paul, New York, assignor to General Railway Signal Company, Rochester, N. Y. Lock for railway spring switches. 2,027,702; Jan. 14.

Republic Metalware Company, The. (See Puddiford, Lester E., assignor.)

Republic Steel Corporation. (See Walker, George G., assignor.)

Resch, Marc. (See Chadwick, L. S., Resch, and Ballstrom.)

Retallilius, Henry H. (See Kyridon, L. P., and Retallilius.)

Ribar, Peter, Pueblo, Colo. Shoe jack. 2,027,792; Jan. 14.

Ricards, Charles L. (See Isbell, J. A., and Ricards.)

Richardson Company, The. (See Kohler, Charles L., assignor.)

Richardson, James A. (See Tasbie, William O., assignor.)

Richardson, Rodney G., et al. (See McCreary, Harold J., assignor.)

Richardson Taylor-Globe Corporation, The. (See Marx, Frank A., assignor.)

Rideout, Raymond V., Highland Park, Mich. Automobile dressing bench tool. 2,027,551; Jan. 14.

Ridgway, Raymond B., and B. L. Bailey, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass. Making boron carbide articles. 2,027,796; Jan. 14.

Ridgway, Raymond B., and B. L. Bailey, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass. Wire drawing die. 2,027,797; Jan. 14.

Ridgway, Raymond B., and B. L. Bailey, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass. Bearing. 2,027,798; Jan. 14.

Riley Stoker Corporation. (See Armour, James W., assignor.)

Rinkelman, William L. (See Beard, E. H., and Rinkelman.)

Roach, Claud M., San Saba, Tex. Electric generator. 2,027,402; Jan. 14.

Roberts, Charles, assignor to Multiposter Advertising Corporation, New York, N. Y. Display device. 2,027,789; Jan. 14.

Roberts, Ovid E., Jr., New Rochelle, N. Y. Controlled pyrogenic decomposition of hydrocarbons. 2,027,802; Jan. 14.

Roberts, Robert P., and E. B. Johnson, Spondon, near Derby, assignors to Celanese Corporation of America. Production of artificial silk and like products. 2,027,450; Jan. 14.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Superheterodyne circuit. 2,027,933; Jan. 14.

Robertson, Robert H., assignor to The Truscon Joint Company, Chicago, Ill. Road joint mechanism with void forming unit. 2,027,553; Jan. 14.

Robin, Leo. (See van Regteren, M., and Robin.)

Rochester Company, The. (See Johnson, James H., assignor.)

Rodin, Fritz J., Chatham Center, N. Y. Potato harvester machine. 2,027,840; Jan. 14.

Rogats, Henry, Sayre, assignor to Phillips Petroleum Company, Bartlesville, Okla. Drill cutter. 2,027,709; Jan. 14.

Rensing, Adolph, Minneapolis, Minn. Power transmission. 2,027,818; Jan. 14.

Rooney, James H., and E. J. Ward, Scunthorpe, near Doncaster, England, assignors to Colebrook Corporation of America. Conveying materials in the form of long webs or sheets. 2,027,451; Jan. 14.

Rosener, Leonard E., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Pipe wrapping machine. 2,027,704; Jan. 14.

Ross, David E., assignor to Rostone, Incorporated, La Fayette, Ind. Building construction. 2,027,832; Jan. 14.

Ross, David E., assignor to Rostone, Incorporated, La Fayette, Ind. Building construction. 2,027,833; Jan. 14.

Rostone, Incorporated. (See Ross, David E., assignor.)

Roth, Frank, San Francisco, Calif. Steam-boiler. 2,027,541; Jan. 14.

Rottmund, Fred G. (See Hawker, C. F., Horr, and Rottmund.)

Roye, Richard T., Houston, Tex., assignor to Gray Tool Company. Wash pipe packing. 2,027,553; Jan. 14.

Royle, Vernon, Paterson, N. J. Lining and paveling machine. 2,027,584; Jan. 14.

Ruding, Gunner, Chicago, Ill. Golf club. 2,027,662; Jan. 14.

Russell, Norman F. S., and F. C. Langenberg, Edgewater Park, N. J., assignors to United States Pipe and Foundry Company, Burlington, N. J. Centrifugal pipe casting apparatus. 2,027,485; Jan. 14.

Rutherford, Charles E., West Hartford, assignor to The Wiremold Company, Hartford, Conn. Conduit for electric wiring. 2,027,619; Jan. 14.

Saar, Franz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Metallic elements for electron tube amplifiers. 2,027,887; Jan. 14.

Sawyer, Frank McM., Houston, Tex. Sealless sliding window. 2,027,751; Jan. 14.

Schaad, Elbert E., Berkeley, Calif. Scooter. 2,027,620; Jan. 14.

Schafmeister, Paul, and E. A. Spaeth, assignors to Fried. Krupp A. G., Essen, Germany. Chrome nickel steel alloy product and method of making the same. 2,027,554; Jan. 14.

Schauer, Lawrence L., Wyoming, and J. H. McKewen, Cincinnati, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Double dial control for hydraulic radial drills. 2,027,705; Jan. 14.

Schauer, Lawrence L., Wyoming, and J. H. McKewen, Cincinnati, assignors to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Counterbalance valve. 2,027,706; Jan. 14.

Schlicht, Heinrich, Huckeswagen, Germany, assignor to the firm W. Ferd. Klingelnberg Söhne, Remscheid-Berghausen, Germany. Method of and machine for producing hob cutters. 2,027,621; Jan. 14.

Schippel, Henry F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Resilient wheel and making the same. 2,028,015; Jan. 14.

Schmidt, David, assignor to The Dobeckmun Company, Cleveland, Ohio. Bag forming machine. 2,027,654; Jan. 14.

Schmiedeknecht, Victor E., Louisville, Ky., assignor to Standard Sanitary Manufacturing Company. Shelf-back sink. 2,027,707; Jan. 14.

Schmiedel, William F., assignor to Deltox Rug Company, Oshkosh, Wis. Tufting attachment for sewing machines. 2,027,454; Jan. 14.

Schmitter, Walter P., and P. C. Day, assignors to The Falk Corporation, Milwaukee, Wis. Coupling. 2,027,542; Jan. 14.

Schneider, Louis J., Chicago, Ill. Sign display frame. 2,027,790; Jan. 14.

Schoch, Edwin. (See Egli, E., and Schoch.)

Scholl Mfg. Co. Inc., The. (See Scholl, William M., assignor.)

Scholl, Walter. (See Davis, R. O. E., and Scholl.)

Scholl, William M., assignor to The Scholl Mfg. Co. Inc., Chicago, Ill. Corn pad package. 2,027,555; Jan. 14.

Schrager, Joseph, Brooklyn, N. Y. Confection cover. 2,027,791; Jan. 14.

Schrauth, Walther, Berlin-Dahlem, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels, A.-G., Zurich, Switzerland. Manufacturing soaps. 2,027,936; Jan. 14.

Schrickel, Carl T., Mount Healthy, Ohio. Tone bar. 2,027,937; Jan. 14.

Schwab, Walford A., Chicago, Ill. Brush. 2,027,884; Jan. 14.

Schwarzbach, Oscar, Bautzen, assignor to the firm Fragoso Spielwarenfabrik Alfred Kraus, Cologne-Ehrenfeld, Germany. Building element for constructional games. 2,027,885; Jan. 14.

Schweiger, Curt W., Munich, Germany. Sewing machine. 2,028,016; Jan. 14.

Schwitzer-Cummins Company. (See Winkler, Carl J., assignor.)

Seaver-Brinkman-Gerstenberger, Inc. (See Brinkman, Carl A., assignor.)

Seaver, Elliot C., Meadville, Pa., assignor to Hookless Fastener Company. Separable fastener. 2,027,708; Jan. 14.

Seibt, Max, Dresden, Germany. Check valve. 2,027,455; Jan. 14.

Sell, Gilbert E., Conshohocken, assignor to E. J. Lavino and Company, Philadelphia, Pa. Chromite material and making the same. 2,028,017; Jan. 14.

Sell, Gilbert E., Conshohocken, assignor to E. J. Lavino and Company, Philadelphia, Pa. Chromite refractory materials. 2,028,018; Jan. 14.

Seligman, David A., New York, N. Y. Window. 2,027,856; Jan. 14.

Semet-Solvay Engineering Corporation. (See McIntire, Charles V., assignor.)

Servel, Inc. (See Bäckström, Sigurd M., assignor.)

Servel, Inc. (See Kögel, W. G., and Wikell.)

Servel, Inc. (See Smith, Albert C., assignor.)

Settle, Samuel E., and E. A. Johnson, assignors to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Substructure for oil well derricks. 2,028,019; Jan. 14.

Shafer, Samuel, Jr., assignor to Chain Belt Company, Milwaukee, Wis. Sludge removing apparatus. 2,028,094; Jan. 14.

Shambow Shuttle Company. (See Nous, Herman, assignor.)

Shanor, Edgar R., assignor to The Petroleum Iron Works Co. of Ohio, Sharon, Pa. Sealing containers against leakage and tampering. 2,028,107; Jan. 14.

Shaw, Joseph A., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Separation and purification of gaseous mixtures. 2,028,134; Jan. 14.

Shaw, Joseph A., Pittsburgh, Pa., assignor to The Koppers Company of Delaware. Obtaining hydrogen sulphide. 2,028,135; Jan. 14.

Sheldon, Charles L., assignor to Hood Rubber Company, Inc., Watertown, Mass. Hook fastener. 2,028,020; Jan. 14.

Shepherd, Charles H., Bronx, N. Y. Cloth and making the same. 2,027,696; Jan. 14.

Sherwood, Charles L., Twin Falls, Idaho. Attachment for fruit cleaning apparatus. 2,027,580; Jan. 14.

Shimer, John M., Dallas, Tex., assignor to Wilson-Snyder Manufacturing Corporation, Braddock, Pa. Twin cylinder steam engine. 2,027,843; Jan. 14.

Shinn, John V. (See Wollner, H. J., and Shinn.)

Shippy, Leo C., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Molding device. 2,028,021; Jan. 14.

Shoe Form Co. (See De Witt, William J., assignor.)

Shull, Elbert W., Lawton, Okla. Water cooling apparatus for engines. 2,027,886; Jan. 14.

Shultz, Edward L., Endicott, assignor to Endicott Johnson Corporation, Endicott, N. Y. Shoe. 2,027,557; Jan. 14.

Siemens-Schuckertwerke Aktiengesellschaft. (See Altenkirch, E., and Nesselmann, assignors.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Nesselmann, K. V., and Altenkirch, assignors.)

Sieminski, Henry, Jersey City, N. J. Cutting and shaving device. 2,028,022; Jan. 14.

Silex Company, The. (See Wolcott, Frank E., assignor.)

Simpson, James L. (See Davis, J. E., and Simpson.)

Singer Manufacturing Company, The. (See McCann, Michael, assignor.)

Singer Manufacturing Company, The. (See Morris, Harold W., assignor.)

Singer Manufacturing Company, The. (See Nissen, Henry C., assignor.)

Skillman, Newton, assignor to O. & S. Bearing Company, Detroit, Mich. Bushing. 2,027,559; Jan. 14.

Skillman, Newton, assignor to O. & S. Bearing Company, Detroit, Mich. Self-lubricating, self-aligning bearing and forming same. 2,027,560; Jan. 14.

Skiar, Harry, New York, N. Y. Wicket. 2,028,108; Jan. 14.

Skolfield, William K., Bridgeport, Conn., assignor to General Electric Company. Fan. 2,027,844; Jan. 14.

Sleboe, Dirk, The Hague, Netherlands. Safety device for protecting motor cars against fire after collision. 2,027,760; Jan. 14.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 2,027,458; Jan. 14.

Small, James B., East Cleveland, assignor to The Glidden Company, Cleveland, Ohio. Bituminous emulsion. 2,027,406; Jan. 14.

Smede, Lloyd, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Temperature control apparatus. 2,027,408; Jan. 14.

Smidth, F. L., & Co. (See Kleiner, Niels, assignor.)

Smith, Albert C., Larchmont, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Ice tray. 2,027,754; Jan. 14.

Smith, Charles A., Wellsville, Kans. Ice handling truck. 2,028,023; Jan. 14.

Smith, Charles A., Wellsville, Kans. Ice scoring device. 2,028,024; Jan. 14.

Smith, Clarence C., assignor to Union Special Machine Company, Chicago, Ill. Zigzag stitching mechanism. 2,027,397; Jan. 14.

Smith, L. C., & Corona Typewriters Inc. (See Avery, Henry A., assignor.)

Smith, Myron H., Dundee, N. Y., assignor to E. P. Brown, Murfreesboro, N. C. Shipping container. 2,027,561; Jan. 14.

Smith, Robert L., Little Falls, N. J. Book construction. 2,027,497; Jan. 14.

Smith, Robert T., Freeport, N. Y. Mop wringer attachment. 2,028,025; Jan. 14.

Smith, Victor N. M., Fergus, Ontario, assignor to Beatty Bros. Limited, Fergus, Wellington, Canada. Nozzle for vacuum cleaners. 2,027,798; Jan. 14.

Smith, William A., Sr., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding device. 2,027,562; Jan. 14.

Smulski, Theodore J. (See Anderson, J. W., and Smulski.)

Snodgrass, Harrison V., Los Angeles, Calif. Gas mixer. 2,027,402; Jan. 14.

Snyder, Harry S., et al. (See Parks, R. D., and Hildebrand, assignors.)

Société d'Etude pour l'Exploration des Eaux "Procédés G. et B." (See Giraud, Pierre R., assignor.)

Society "L'Etoile Des Records Du Monde S. A. F." (See Dintilhac, Jean G., assignor.)

Society of Chemical Industry in Basle. (See Bonhôte, Gérald, assignor.)

Society of Chemical Industry in Basle. (See Hauser, H., and Bommer, assignors.)

Society of Chemical Industry in Basle. (See Krauer, Karl, assignor.)

"Society of Chemical Industry in Basle." (See Stöckhin, Ernst, assignor.)

Secony-Vacuum Corporation. (See Prutzman, Paul W., assignor.)

Solomon, Thomas N., assignor of one-fourth to C. S. Pellow and one-fourth to C. S. Pellow, Detroit, Mich. Adjustable hinge structure for automobile bodies. 2,027,529; Jan. 14.

Spatta, Gustav, assignor to Clark Equipment Company, Buchanan, Mich. Forging means. 2,027,405; Jan. 14.

Speicher, William P. J., North East Township, Erie County, Pa., assignor to General Electric Company. Refrigerating cabinet. 2,027,845; Jan. 14.

Spence, Peter, & Sons, Limited. (See Crundall, Sydney P. W., assignor.)

Spruit, Erwin A. (See Schafmeister, P., and Spruit.)
Sperlich, Herman A., Detroit, Mich. Cabinet. 2,027,466; Jan. 14.
Sperry Gyroscope Company. (See Carlson, Bert G., assignor.)
Sperry Gyroscope Company. (See Myers, S. G., and Chafee, assignors.)
Sperry Products, Inc. (See De Lamty, Loren J., assignor.)
Spinner, Isidore, Chicago, and F. V. Spinner, Wilmette, Ill. Bookbinder. 2,027,548; Jan. 14.
Spinner, Philip V. (See Spinner, Isidore and P. V.)
Stam, Orville, Los Angeles, Calif. Shirt suspensory. 2,027,622; Jan. 14.
Standard Sanitary Manufacturing Company. (See Schmiedeknecht, Victor E., assignor.)
Starkey, William C., Indianapolis, Ind., assignor, by mesne assignments, to W. C. Starkey, R. G. Pruitt, and W. H. Beal, trustees. Spring clutch. 2,027,794; Jan. 14.
Stata, Will C., and M. Lammertse, Akron, and C. R. Gardner, Cuyahoga Falls, Ohio, assignor, by mesne assignments, to Wingfoot Corporation, Wilmington, Del. Tire building apparatus. 2,028,078; Jan. 14.
Stata, Robert J. (See Dodge, A. Y., and Stata.)
Staveren, Herbert. (See Braunstein, Schalim, assignee.)
Steigerwald, August, assignor to Emily Clark, New York, N. Y. Floor oiler or waxer. 2,028,079; Jan. 14.
Steimel, Karl. (See Urtel, E., and Steimel.)
Stein, George. (See Stein, Jacob and G.)
Stein, Jacob, College Point, and G. Stein, Astoria, N. Y. Rolling machine. 2,027,564; Jan. 14.
Stephenson, Albert. (See Bergamini, Herbert M., assignor.)
Stephenson, Albert, assignor of one-half to H. M. Bergamini, New York, N. Y. Fracture and orthopedic operating frame. 2,027,765; Jan. 14.
Stern, Raphael L., New Brunswick, N. J., assignor to Hercules Powder Company, Wilmington, Del. Wood pulp adapted for chemical use. 2,028,080; Jan. 14.
Streuterman, Edwin J. (See Struts, R. M., and Streuterman.)
Stewart, Charles G., New York, N. Y. Combination book and attaching device. 2,027,569; Jan. 14.
Stewart, Walter C., assignor to W. A. Klutz, Gastonia, N. C. Compound differential for roving frames. 2,027,710; Jan. 14.
Stickney, Burnham C., Hillside, N. J., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Tabulating device. 2,027,568; Jan. 14.
Stöcklin, Ernst, Binningen, near Basel, assignor to "Society of Chemical Industry in Basle," Basel, Switzerland. Indigoid dyestuffs and making same. 2,027,890; Jan. 14.
Stoeckicht, Wilhelm, Munich-Solln, Germany. Planet gearing. 2,027,655; Jan. 14.
Stoesser, Wesley C., assignor to The Dow Chemical Company, Midland, Mich. Halogenated phenyl-diphenyl oxide. 2,028,061; Jan. 14.
Stokes, Francis J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Automatic tube closing and clip attaching machine. 2,027,792; Jan. 14.
Stokes, F. J., Machine Company. (See Stokes, Francis J., assignor.)
Stokes, F. J., Machine Company. (See Westin, Charles J., assignor.)
Stone, Irwin, New York, N. Y. Insecticidal spray. 2,028,100; Jan. 14.
Storch, Otto P., Ossos Park, assignor to The United States Printing & Lithograph Company, New York, N. Y. Flash-light display rack. 2,028,036; Jan. 14.
Stratford, William M. (See Dearborn, R. J., and Stratford.)
Struts, Roy M., and R. J. Streuterman, Beaverlie, Mo. Corn cob pipe and making same. 2,027,487; Jan. 14.
Stuart, Charles S. (See List, A., and Stuart.)
Stubbings, Eric O. (See Durrant, H. T., and Stubbings.)
Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Reversible shaded pole motor. 2,027,846; Jan. 14.
Sulzer Frères Société Anonyme. (See Lichenberr, Arthur, assignor.)
Sutton, Wilson L., assignor to Fleetwings, Inc., Garden City, Long Island, N. Y. Spar structure. 2,027,711; Jan. 14.
Swift, George W., Jr., Bordentown, assignor to G. W. Swift, Jr., Inc., Bordentown, N. J. Mechanism for unwinding mill rolls. 2,027,796; Jan. 14.
Swift, George W., Jr., Inc. (See Swift, George W., Jr., assignor.)
Symington Company, The. (See Barrows, Donald S., assignor.)
Szal, Jan, Warsaw, Poland. Synchronizing device for machine guns on aircraft. 2,027,766; Jan. 14.
Tassie, William O., St. Boniface, Manitoba, assignor of one-half to J. A. Richardson, Winnipeg, Manitoba, Canada. Fountain pen. 2,027,886; Jan. 14.
Tay, George H., Philipsburg, assignor to Lee Metal Products Company, Inc. Center line scraper agitator. 2,027,756; Jan. 14.
Taylor, Charles H., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,027,936; Jan. 14.
Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Remote control system. 2,028,110; Jan. 14.
Taylor Instrument Companies. (See Beckley, Elvin, assignor.)
Taylor Instrument Companies. (See Clawson, Albert R., assignor.)
Taylor Instrument Companies. (See Glenn, Raymond R., assignor.)
Taylor Instrument Companies. (See Widmer, John A., assignor.)
Teahen, James M., Detroit, Mich. Water closet. 2,028,021; Jan. 14.
Technicolor Motion Picture Corporation. (See Whittaker, Lloyd E., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Saar, Franz, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, E., and Steimel, assignors.)
Teletype Corporation. (See Burcky, Charles W., assignor.)
Te Pas, Edmund J., Rocky River, assignor to The Pittsburgh Valve Company, Cleveland, Ohio. Thermostatic valve. 2,027,458; Jan. 14.
Teppema, Jan, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Preparing thiuryl monosulphides. 2,028,082; Jan. 14.
Texas Company, The. (See Dearborn, R. J., and Stratford, assignors.)
Thilberger, William J., New Orleans, La. Wall structure. 2,027,493; Jan. 14.
Thomas, Ernest R., et al. (See La Londe, Frederick J., assignor.)
Thomas, Gordon H., et al. (See La Londe, Frederick J., assignor.)
Thurston, Charles A., Haverhill, assignor to J. W., W. W. and J. J. Hartley, Haverhill, doing business as Lowell Counter Company, Lowell, Mass. Shoe counter. 2,028,111; Jan. 14.
Tinkham, Guy L. (See McCord, A. C., and Tinkham.)
Tobin, Kenneth J., and T. Maitland, Chicago, Ill., assignors, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,027,805; Jan. 14.
Toledo Scale Manufacturing Company. (See Williams, Lawrence S., assignor.)
Toppin, Francis V., Lyndhurst, N. J. Printing press and printing. 2,027,797; Jan. 14.
Trabold, Frank W., Detroit, Mich. Mixing gage. 2,027,494; Jan. 14.
Translode Joint Company, The. (See Robertson, Robert R., assignor.)
Traser, Albert D. (See Hammond, J. H., and Traser.)
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trustbanteer Amsteland M. V. (See Friedrich, Paul, assignor.)
Tulcran, Inc. (See Tully, T. J., and Jackson, assignors.)
Tully, John S., Modesto, Calif. Flexible coupling. 2,027,489; Jan. 14.
Tully, Thomas J., and R. B. Jackson, assignors to Tulcran, Inc., Columbus, Ohio. Air heating device. 2,028,035; Jan. 14.
Tumbridge, Stanley S. (See Keeton, Clyde D., assignor.)
Turner, Charles H., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Boiler tube cleaning construction. 2,027,495; Jan. 14.
Twin Coach Company. (See Pageol, William B., assignor.)
Tyler, Tracy E., assignor to The Messenger Corporation, Detroit, Mich. Clutch mechanism for transmissions. 2,028,026; Jan. 14.
U. C. T. Corporation. (See Howard, William R., assignor.)
Underwood Elliott Fisher Company. (See Anderson, Walter J., assignor.)
Underwood Elliott Fisher Company. (See Stickney, Burnham C., assignor.)
"Unichem" Chemikalien Handels, A.-G. (See Schrauth, Walther, assignor.)
Union Special Machine Company. (See Smith, Clarence C., assignor.)
Union Switch & Signal Company, The. (See Allen, R. M., and Young, assignors.)
Union Switch & Signal Company, The. (See Baker, Richard P., assignor.)
Union Switch & Signal Company, The. (See Rose, Herbert L., assignor.)
United Shoe Machinery Corporation. (See Hamilton, G. James, and Bacon, assignors.)
United Shoe Machinery Corporation. (See Macdonald, Lester S., assignor.)
United States Pipe and Foundry Company. (See Russell, N. F. S., and Lampenberg, assignors.)
United States Printing & Lithograph Company, The. (See Storch, Otto P., assignor.)
Universal Oil Products Company. (See Merrell, Jacque C., assignor.)
Urtel, Rudolf, and K. Steimel, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Automatic demodulator sensitivity control. 2,027,930; Jan. 14.
Vandergrift, Lewis C., Hilliard, Ind. Garment guard. 2,027,898; Jan. 14.
Van der Minne, Peter E. (See Gilliard, H. G., Hall-Pearl, Hirsch, Meunier, and van der Minne.)
Van Rogeyn, Mathieu, Spermont, and D. Robin, Brussels, Belgium. Press for dehydrating colloid material. 2,027,667; Jan. 14.
Van Royen, Hermann J., Horde in Westfalia, Germany. Wheel rim. 2,028,026; Jan. 14.
Vaughan, Aubrey W. (See Joralemon, A. M., and Vaughan.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Kloder, Werner, assignor.)
Viceroy Manufacturing Company Limited. (See Clayton, Lewis J., assignor.)
Victor, John H., Evanston, and W. A. Helmer, assignors to Victor Manufacturing & Gasket Company, Chicago, Ill. Reenforce for gaskets. 2,027,847; Jan. 14.
Victor Manufacturing & Gasket Company. (See Victor, J. H., and Helmer, assignors.)
Vincent, James G., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,027,940; Jan. 14.
Von Webern, Guido, Dayton, Ohio, assignor to Oxford Varnish Corporation, Detroit, Mich. Apparatus for cleaning rolls. 2,027,407; Jan. 14.
Vortex Cup Company. (See Krein, Frederick T., assignor.)
Vortex Cup Company. (See Wood, Andrew C., assignor.)
Wagner Electric Corporation. (See Gundermann, Lester S., assignor.)
Walker, George G., Poland, assignor to Republic Steel Corporation, Youngstown, Ohio. Welded metal pipe and making same. 2,028,096; Jan. 14.
Walker, James R., Dallas, Tex. Waterproof cigarette case. 2,028,030; Jan. 14.
Walkland, Thomas F. (See Noble, A., and Walkland.)
Wallace, John G., St. Paul, Minn. Water purifying mechanism. 2,027,501; Jan. 14.
Walters, Gustav, Middletown, Conn. Clutch-facing. 2,028,031; Jan. 14.
Walther, George, near Dayton, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Metal wheel. 2,027,408; Jan. 14.
Ward, Robert J. (See Rooney, J. H., and Ward.)
Warner, Donald F., Lynn, Mass., assignor to General Electric Company. Emergency tripping device. 2,027,848; Jan. 14.
Warren, Richard F., Stratford, Conn., assignor to Carbide and Carbon Chemicals Corporation. Phonograph record. 2,028,120; Jan. 14.
Waterhouse, Harold D., Rochester, N. Y. Clutch mechanism. 2,027,941; Jan. 14.
Watt, James G. (See Watt, Sern P., assignor.)
Watt, Sern P., assignor to J. G. Watt, Seattle, Wash. Torque transmitting mechanism. 2,027,796; Jan. 14.
Webb, Holstein W., Columbus, Ohio. Lawn sprinkler. 2,027,567; Jan. 14.
Weber, Rudolph, assignor to Philadelphia Metal Drying Form Company, Philadelphia, Pa. Hosiery drying form. 2,027,712; Jan. 14.
Weeks, Francis H. and R. B., New York, N. Y. Clam shell bucket. 2,027,402; Jan. 14.
Weeks, Shirley S., Providence, R. I. Combustion control means. 2,027,923; Jan. 14.
Weeks, Richard B. (See Weeks, Francis H. and R. B.)
Weibel, Alexander R., Allegheny, assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Doubler. 2,027,718; Jan. 14.
Weinand, Klaus, and H. Kalckbrenner, Leverkusen I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the anthraquinone series. 2,027,888; Jan. 14.
Weir, Horace M., assignor to The Atlantic Refining Company, Philadelphia, Pa. Field contacting apparatus. 2,027,410; Jan. 14.
Weisbrod, Carl C., assignor to One Minute Washer Company, Newton, Iowa. Clutch structure. 2,027,659; Jan. 14.
Weismüller, Friedrich, Saarbrucken, Germany. Sylvicultural machine. 2,027,502; Jan. 14.
Weitzel, Edward L., Duluth, Minn. Internal combustion engine. 2,027,891; Jan. 14.
Wells, Harold D., Glens Falls, N. Y. Freeman detector. 2,027,660; Jan. 14.
Wells, Loren S., Great Neck, N. Y. Protective heating means for third rail electric railways. 2,027,942; Jan. 14.
Welter, Herman C., assignor to The Dawn Mfg. Corp., Rochester, N. Y. Copyholder. 2,027,949; Jan. 14.
Wernts, James H. (See Lauter, W. A., and Wernts.)
West Bend Aluminum Co. (See Kircher, Ralph W., assignor.)
Westin, Charles J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Hermetic closure for collapsible tubes. 2,028,112; Jan. 14.
Westinghouse Electric & Manufacturing Company. (See Crabbe, Herbert J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Davis, Robert M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Suede, Lloyd, assignor.)
Wharton, Thomas B., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Article storage and display stand. 2,027,790; Jan. 14.
Whelen, Myron S. (See Wuertz, A. J., and Whelen.)
Whipp, Wendell H. and C. A. Bickel, assignors to The Monarch Machine Tool Company, Sidney, Ohio. Lathe. 2,027,568; Jan. 14.
White, Charles F., Detroit, Mich. Automatic lighter and gas saver. 2,028,023; Jan. 14.
Whitehead, Richard H., New Haven, Conn. Closure cap. 2,027,509; Jan. 14.
Whitehead, Richard H., and W. H. Porter, assignors to The New Haven Clock Co., New Haven, Conn. Automatic starting device for synchronous motors. 2,027,944; Jan. 14.
Whitehouse, John N., New York, N. Y. Making coated rod-like articles. 2,028,063; Jan. 14.
Whitfield, Cleveland, and F. Georges, Albuquerque, N. Mex., Arch supporter. 2,027,757; Jan. 14.
Whitlock, Dana T., Lakewood, Ohio. Marine fender. 2,027,509; Jan. 14.
Whittaker, Lloyd E., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Lens mount. 2,027,412; Jan. 14.
Widell, Nils. (See Kiepl, W. G., and Widell.)
Widmer, Jules A., assignor to Taylor Instrument Companies, Rochester, N. Y. Recording device. 2,027,945; Jan. 14.
Wiegman, Clarence H. (See Hoffman, S. K., and Wiegman.)
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 2,027,568; Jan. 14.
Wild, Charles H., assignor to Burt Machine Company, Incorporated, Baltimore, Md. Carton filling machine. 2,027,946; Jan. 14.
Wilder, Harold K., assignor to Kellogg Company, Battle Creek, Mich. Treating coffee. 2,027,801; Jan. 14.
Williams, David M., Godwin, N. C. Gun. 2,027,893; Jan. 14.
Williams, David M., Godwin, N. C. Belt feeding means for guns. 2,027,896; Jan. 14.
Williams, Lawrence S., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,027,504; Jan. 14.
Wilson-Snyder Manufacturing Corporation. (See Shimer, John M., assignor.)
Wingfoot Corporation. (See Calvert, W. C., and Cramer, assignors.)
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Wingfoot Corporation. (See Lauter, Werner M., assignor.)
Wingfoot Corporation. (See Stata, W. C., Lammertse, and Gardner, assignors.)
Wingfoot Corporation. (See Teppema, Jan, assignor.)
Winkler, Carl J., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Bearing seal for rotary shafts. 2,027,508; Jan. 14.
Winthrop Chemical Company. (See Goth, Erich, assignor.)
Wiremold Company, The. (See Rutherford, Charles E., assignor.)
Wise, J. & Sons Co. (See Raub, Frederic H., assignor.)
Wittcoff, Edward, University City, assignor to Evr Klean Seat Pad Co., St. Louis, Mo. Seat cover. 2,027,947; Jan. 14.
Witter, Leon A., Cleveland, Ohio. Piston expander. 2,027,496; Jan. 14.
Wolcott, Frank E., West Hartford, Conn., assignor to The Silex Company. Coffee maker. 2,028,033; Jan. 14.
Wolf Machine Company. (See Meyer, Henry A., assignor.)
Wollner, Herbert J., Brooklyn, and J. V. Shim, Flushing, assignors to General Chemical Company, New York, N. Y. Adsorbent. 2,027,948; Jan. 14.
Wood, Andrew C., assignor to Vortex Cup Company, Chicago, Ill. Paper ice cream cup. 2,027,802; Jan. 14.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Ink fountain back. 2,027,950; Jan. 14.
Wood Newspaper Machinery Corporation. (See Isbell, J. A., and Ricards, assignors.)
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Woodbridge, Joseph L., assignor to The Electric Storage Battery Co., Philadelphia, Pa. Nonspill vent plug. 2,028,112; Jan. 14.
Woods, F. Lourene, et al. (See Marotte, Maurice L., assignor.
Woodward, Raymond D., Summit, N. J. Drain cleaner. 2,027,661; Jan. 14.
Worcester, Stanley R., Phoenix, Ariz. Saddle tree. 2,027,551; Jan. 14.
Wuertz, Alexander J., Carrollville, and M. S. Whelen, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Benzanthrone thiabole and preparing the same. 2,028,114; Jan. 14.
Wuertz, Alexander J., Carrollville, and M. S. Whelen, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dibenzanthrone-azole and preparing the same. 2,028,115; Jan. 14.
Wuertz, Alexander J., Carrollville, and M. S. Whelen, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Benzanthrone selenazole and preparing the same. 2,028,116; Jan. 14.
Wuertz, Alexander J., Carrollville, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of dyestuffs and intermediates of the dibenzanthrone series. 2,028,117; Jan. 14.
Wurlitzer Grand Piano Company. (See Fischer, Hermann, assignor.)
Yeadon, Robert, Spondon, near Derby, England, assignor to Celanese Corporation of America. Circular loom. 2,027,459; Jan. 14.

Yellin, Joseph, Brooklyn, N. Y., assignor to Radio Corporation of America. Image suppression arrangement. 2,027,940; Jan. 14.
Yonker, Malcolm F., assignor to Phillips Petroleum Company, Bartlesville, Okla. Natural gas conversion process. 2,027,460; Jan. 14.
Young, Charles A., Springfield, Ohio. Gun. 2,027,660; Jan. 14.
Young, Emil O., Cleveland, Ohio. Cap and lock device for tanks. 2,027,503; Jan. 14.
Young, Henry S. (See Allen, R. M., and Young.)
Young, Louis H. (See Knobel, M., and Young.)
Young, William M., Harrisburg, Pa. Electric fan. 2,027,662; Jan. 14.
Youngstown Steel Door Company, The. (See Beauchamp, Wilfred A., assignor.)
Youngstown Steel Door Company, The. (See Lute, Carl, assignor.)
Youngstown Steel Door Company, The. (See MacHaut, Thorvald, assignor.)
Youngstown Steel Door Company, The. (See Tobin, E. J., and MacHaut, assignors.)
Zahren, Carl, Arma, Kans. Bottle filling equipment. 2,028,067; Jan. 14.
Zahrta, Carl, Arma, assignor of one-half to J. Dobson, Franklin, Kans. Beverage dispensing device. 2,028,068; Jan. 14.
Zinser, William W., Chicago, Ill., assignor to The Columbia Mills, Inc., New York, N. Y. Venetian blind bottom rail bracket. 2,027,970; Jan. 14.
Zogler, Philipp, Zurich, Switzerland. Cycle. 2,027,733; Jan. 14.
Zuckerman, Adolph M., assignor to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, permanent trustee. Web cutting mechanism for printing machines. 2,027,412; Jan. 14.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Antenna coupling system. L. A. Hazeltine. 19,823; Jan. 14.
Engler distillation apparatus, Automatic. J. R. Moore and G. W. Chenicek. 19,824; Jan. 14.
Fertiliser. E. Ober and E. H. Wright. 19,825; Jan. 14.
Molded container. P. L. Barber. 19,819; Jan. 14.
Paper, Multiple-ply. H. B. Fish. 19,821; Jan. 14.
Treated articles, Apparatus for handling. G. L. Cherry and L. F. Lamplough. 19,820; Jan. 14.
Wall structure, Metallic. R. F. Zimmerman, L. D. Mowery, and J. A. Bohannck. 19,822; Jan. 14.

LIST OF DESIGN INVENTIONS

Automobile top. H. R. Dunn. 98,151; Jan. 14.
Bag, Hand. I. Leading. 98,171; Jan. 14.
Blouse. M. F. De Witt. 98,149; Jan. 14.
Blouse. I. Geist. 98,156–7; Jan. 14.
Blouse. B. Hyman. 98,164; Jan. 14.
Boiler, Range. R. S. Rheem. 98,196; Jan. 14.
Bottle. C. Levine. 98,172–3; Jan. 14.
Bottle. F. McLaughlin. 98,178; Jan. 14.
Brassière. W. Rosenthal. 98,187; Jan. 14.
Buckle, Belt. J. P. Gordon. 98,160; Jan. 14.
Buckle or similar article. D. Cooper. 98,147; Jan. 14.
Candlestick. W. F. Liska. 98,174; Jan. 14.
Carpet underliner. A. L. Clements. 98,146; Jan. 14.
Casing, Humidifier. F. Manning. 98,175–6; Jan. 14.
Cruet, Bottle. E. Worthington. 98,200; Jan. 14.
Dress. A. Greenspan. 98,161; Jan. 14.
Flag or similar article. E. A. Stenham. 98,190; Jan. 14.
Flatiron, Electric. R. R. Patten. 98,181; Jan. 14.
Heater, Circulating. D. J. Howard. 98,163; Jan. 14.
Heater, Water. C. H. Morrow. 98,179; Jan. 14.
Lace. J. D. Wismer. 98,192–3; Jan. 14.
Lighter, Cigarette. E. M. Berthold. 98,136; Jan. 14.
Mirror or similar article, Hand. J. A. Despres. 98,148; Jan. 14.
Piano case. G. C. Kavanagh. 98,170; Jan. 14.
Pillow slip or similar article. J. L. Freund. 98,158–9; Jan. 14.
Plate or similar article. Y. Bama. 98,140–4; Jan. 14.
Radiocabinet. M. C. Pumpaery. 98,185; Jan. 14.
Ring or similar article, Finger. E. H. Marcus and B. Strikowsky. 98,177; Jan. 14.
Sadiron. I. Jepson. 98,167; Jan. 14.
Sadiron cover. I. Jepson. 98,166; Jan. 14.
Sadiron handle. I. Jepson. 98,165; Jan. 14.
Sadiron handle support. I. Jepson. 98,168–9; Jan. 14.
Set of playing cards. E. Busch. 98,145; Jan. 14.
Settee. S. Bevelacqua. 98,137; Jan. 14.
Shoe. J. Abowitz. 98,134; Jan. 14.
Shoe. M. Cohen. 98,201; Jan. 14.
Shoe. S. Epstein. 98,152; Jan. 14.
Shoe. H. Goldberg. 98,205; Jan. 14.
Shoe. M. S. Goldman. 98,202–4; Jan. 14.
Shoe. A. Gordon. 98,159; Jan. 14.
Shoe. E. A. Rainey. 98,184; Jan. 14.
Shoe. J. F. Rosenthal. 98,183; Jan. 14.
Shoe. C. Wolfelt. 98,199; Jan. 14.
Shoe or similar article. S. T. Drake. 98,150; Jan. 14.
Shoe or similar article. J. A. Goldberg. 98,155; Jan. 14.
Shoe or similar article. C. C. Hirshman. 98,162; Jan. 14.
Shoe or similar article. S. Troy. 98,191; Jan. 14.
Shoe tree. J. B. Mutch. 98,180; Jan. 14.
Show case. F. L. Pollard. 98,206; Jan. 14.
Spoon or similar article. H. M. Ballou and C. A. Joslin. 98,135; Jan. 14.
Stove, Gasoline cook. G. E. Pickup. 98,182; Jan. 14.
Strap, Wrist watch. A. H. Bauer, Jr. 98,130; Jan. 14.
Table. S. Bevelacqua. 98,138; Jan. 14.
Telescope, Binocular. M. Reynolds. 98,125; Jan. 14.
Watch bracelet. M. J. Bruner. 98,139; Jan. 14.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorption or adsorption cold machine, Discontinuous. S. Lindeberg. 2,027,693; Jan. 14.
Acid, Manufacture of glycollic. E. F. Grether and R. R. DuVall. 2,028,064; Jan. 14.
Acid, System for manufacture of nitric. F. W. de Jahn. 2,027,578; Jan. 14.
Addressing machine. W. W. Laster. 2,027,916; Jan. 14.
Adhesive tape. E. L. Kallander and G. R. Alden. 2,027,426; Jan. 14.
Adsorbent. H. J. Wollner and J. V. Shinn. 2,027,948; Jan. 14.
Advertising display. G. Mabrey. 2,027,690; Jan. 14.
Advertising mechanism. F. H. Jensen. 2,027,961; Jan. 14.
Air and water to the cylinders of an internal combustion engine, Device for admitting. A. E. Dearing and W. B. Parker. 2,027,813; Jan. 14.
Air brake. C. A. Campbell. 2,027,468; Jan. 14.
Air brake. C. A. Campbell and P. Dodge. 2,027,469; Jan. 14.
Air circulating mechanism for refrigerated cases. H. J. and J. J. Hanlon. 2,027,974; Jan. 14.
Air cleaner. R. E. DeBolt. 2,027,896; Jan. 14.
Air filter. L. Hand. 2,027,906; Jan. 14.
Air heating device. P. J. Tully and E. B. Jackson. 2,028,095; Jan. 14.
Alcohols to acids, Converting. W. J. Hale. 2,027,378; Jan. 14.
Aldehydes to acids, Converting. W. J. Hale. 2,027,377; Jan. 14.
Aldols, Preparing substituted. K. Billig. 2,027,856; Jan. 14.
Alkali dichromate, Manufacture of. B. Harbester and A. Benther. 2,027,477; Jan. 14.
Alloys, Making. W. C. Read. 2,027,837; Jan. 14.
Amines, Preparing secondary aromatic. W. M. Lauter. 2,028,074; Jan. 14.
Aminophenols, Production of N-substituted. M. A. Dahlen. 2,027,802; Jan. 14.
Anchor, Pump. J. N. Martin. 2,027,783; Jan. 14.
Angular adjustments and measurements, Means for use in making. C. C. Allan. 2,028,034; Jan. 14.
Annealing furnace, Bell type. A. N. Otis. 2,028,100; Jan. 14.
Antenna, Vertical mast wave. R. L. Jenner. 2,027,725; Jan. 14.
Antivibrator attachment for road machinery. J. C. Coose. 2,027,677; Jan. 14.
Apparatus for continuous machining of work-pieces and particularly in housings for axial bearings of rear vehicles. W. Peyinghaus. 2,028,008; Jan. 14.
Aqueous dispersion. J. M. Fain. 2,027,582; Jan. 14.
Arch supporter. C. Whitfield and F. Georges. 2,027,757; Jan. 14.
Article comprising plastic compositions and making the same. L. M. Currie. 2,027,961; Jan. 14.
Article storage and display stand. T. E. Wharton. 2,027,790; Jan. 14.
Articles from plastic compositions, Production of. L. M. Currie. 2,027,962; Jan. 14.
Articulated display. A. M. Joralemon and A. W. Vaughan. 2,027,586; Jan. 14.
Anthelmintic. W. P. Kinsella and P. Caldwell. 2,027,967; Jan. 14.
Azo-dyestuff, Blue. G. Bonbôte. 2,027,764; Jan. 14.
Azo-dyestuff. G. Bonbôte. 2,027,897; Jan. 14.
Axle, Trussed trailer. C. T. Hutchens and V. V. Anderson. 2,028,127; Jan. 14.
Bag: *See*—
Hand bag.
Bag forming machine. D. Schmidt. 2,027,654; Jan. 14.
Bag making and filling machine. E. G. Jurgens and H. K. Becker. 2,027,434; Jan. 14.
Bags, Manufacture of cellophane. W. R. Howard. 2,027,643; Jan. 14.
Ball retriever. I. MacDonald. 2,027,546; Jan. 14.
Band construction for hats, Nonpervious sweat. A. C. Cason. 2,027,471; Jan. 14.
Bar: *See*—
Grate-bar. Tone bar.
Battery light. H. T. Kingsbury. 2,027,912; Jan. 14.
Battery terminal. T. H. McGrath. 2,027,646; Jan. 14.
Beam. F. Mossberg and E. V. Olson. 2,027,749; Jan. 14.
Beam with adjustable head. F. Mossberg. 2,027,748; Jan. 14.
Bearing. R. R. Ridgway and B. L. Bailey. 2,027,788; Jan. 14.
Bearing and forming same, Self-lubricating, self-aligning. N. Skillman. 2,027,560; Jan. 14.
Belt for roller presses, Filter. A. W. Lissauer. 2,027,542; Jan. 14.

Benzanthrone, Manufacture and preparing the same. A. J. Weerts and M. S. Whelan. 2,028,114; Jan. 14.
Benzathrone thiazole and preparing the same. A. J. Weerts and M. S. Whelan. 2,028,114; Jan. 14.
Beverage cooling device. J. Aslin. 2,027,665; Jan. 14.
Beverage dispensing device. C. Zafuta. 2,028,090; Jan. 14.
Bin conveyor. H. G. Carter. 2,027,059; Jan. 14.
Binder, Method and machine for twine. M. Kimbel and L. H. Young. 2,027,595; Jan. 14.
Blind bottom rail bracket, Venetian. W. W. Higgs. 2,027,670; Jan. 14.
Board: *See*—
Piano sounding board.
Bobbin for automatic weft supply, Weft. R. Egli and E. Schoch. 2,027,769; Jan. 14.
Bodies, Sticking. E. L. Kallander and G. R. Alden. 2,027,425; Jan. 14.
Bodies toward and away from each other, System for moving. A. Krämmer. 2,027,236; Jan. 14.
Body for vehicles, Demountable. H. H. Linn. 2,027,269; Jan. 14.
Boiler: *See*—
Ham-boiler. Steam boiler.
Boiler tube cleaning construction. C. S. Turner. 2,027,495; Jan. 14.
Book and attaching device, Combination. C. O. Stewart. 2,027,589; Jan. 14.
Book construction. E. L. Smith. 2,027,497; Jan. 14.
Booklinder. L. and P. V. Spinner. 2,027,552; Jan. 14.
Boot pump. R. K. Hopkins. 2,027,979; Jan. 14.
Boron carbide articles, Making. E. K. Ridgway and P. L. Bailey. 2,027,705; Jan. 14.
Bottle filling equipment. C. Zafuta. 2,028,087; Jan. 14.
Bottle filling valve. J. Kantor. 2,028,022; Jan. 14.
Bottles, Manufacturing paper. L. B. Koch and A. Bode. 2,027,484; Jan. 14.
Box: *See*—
Cardboard box. Journal box.
Bracket: *See*—
Blind bottom rail bracket.
Brake: *See*—
Air brake.
Brake. W. H. Means. 2,027,437; Jan. 14.
Brake construction, Trailer. T. E. McFall. 2,027,804; Jan. 14.
Brake equalizing mechanism for motor vehicles. J. L. Nail. 2,027,573; Jan. 14.
Brake lining device. A. C. Hoffman. 2,027,523-3; Jan. 14.
Brake release control mechanism for vehicles. L. S. Germain. 2,027,424; Jan. 14.
Brake shoe equalizing device. J. L. Nail. 2,027,514; Jan. 14.
Braking system, Regenerative. H. Hernalo. 2,027,695; Jan. 14.
Broaching machine. J. L. Perkins and H. D. Croft. 2,027,401; Jan. 14.
Bromination products of vat dyestuffs, Manufacture of. K. Kranzlein. 2,027,914; Jan. 14.
Brush. W. A. Schwab. 2,027,594; Jan. 14.
Bucket, Clam shell. F. H. and E. B. Weeks. 2,027,466; Jan. 14.
Bucket, Spinning. F. H. Benge. 2,028,040; Jan. 14.
Buffing wheel. E. W. Hall. 2,027,425; Jan. 14.
Building construction. D. E. Ross. 2,027,889-3; Jan. 14.
Building elements for constructional games. O. Schwarzbach. 2,027,586; Jan. 14.
Burner: *See*—
Fuel oil burner.
Burner for liquid fuels. C. Perdriset. 2,027,699; Jan. 14.
Bushing. N. Skillman. 2,027,559; Jan. 14.
Button element. W. C. Broadwell. 2,027,513; Jan. 14.
Cabinet. H. A. Sperlich. 2,027,486; Jan. 14.
Cabinet, Quick-assembled sectional. H. D. Gaye. 2,028,058; Jan. 14.
Cabinet, Refrigerating. W. P. J. Speicher. 2,027,845; Jan. 14.
Calculating machine and cash drawer. E. Bate. 2,027,449; Jan. 14.
Can: *See*—
Preserving can.
Can sealing machine. R. G. Geraline. 2,027,476; Jan. 14.
Cab and lock device for tanks. H. O. Young. 2,027,899; Jan. 14.
Cap, Closure. R. H. Whitehead. 2,027,506; Jan. 14.
Cap remover, Bottle. F. H. Rauh. 2,027,755; Jan. 14.
Car cooling device. W. C. Phillips. 2,027,834; Jan. 14.

Car, Rail flaw detector. L. J. DeLauty. 2,027,814; Jan. 14.
Carbazole derivatives. H. Hauser and M. Bommer. 2,027,909; Jan. 14.
Carbazole derivatives and making same. H. Hauser and M. Bommer. 2,027,906; Jan. 14.
Carbon or decolorizing carbon, Preparation of activated or absorbent. A. McCulloch and R. E. Hargreaves. 2,027,696; Jan. 14.
Carcass-cleaving machine. H. A. Meyer. 2,027,890-7; Jan. 14.
Cardboard box. R. H. Filmer. 2,027,525; Jan. 14.
Carrier: *See*—
Picker's sack carrier.
Carton. E. F. Ness. 2,027,438; Jan. 14.
Carton filling machine. C. H. Wild. 2,027,940; Jan. 14.
Carton handle. J. F. Brunt. 2,028,066; Jan. 14.
Case: *See*—
Cigarette case. Egg case.
Cask and making the same. C. R. Shepherd. 2,027,451; Jan. 14.
Catalysis inhibitors from aqueous solutions, Removing. H. F. Johnstone. 2,027,923; Jan. 14.
Catalysts, Regeneration of. R. L. Brown. 2,027,895; Jan. 14.
Cathode ray device. H. J. McCreary. 2,027,896; Jan. 14.
Cellophane and the like, and making the same, Perforated. S. Cooper. 2,027,810; Jan. 14.
Centrifugal clutch. A. J. Gillies. 2,027,870; Jan. 14.
Certificate holder. A. O. Cobbs. 2,027,617; Jan. 14.
Change of direction indicator for motor vehicles. J. M. Hasse. 2,027,321; Jan. 14.
Chassis for electron tube amplifiers, Metallic. F. Sear. 2,027,935; Jan. 14.
Check valve. M. Reiss. 2,027,455; Jan. 14.
Chlorobutadiene. C. A. Perkins. 2,027,550; Jan. 14.
Chrome nickel steel alloy product and making the same. P. Schafmeister and H. A. Speuld. 2,027,554; Jan. 14.
Chromite material and making the same. O. E. Bell. 2,028,017; Jan. 14.
Chromite refractory materials. O. E. Bell. 2,028,018; Jan. 14.
Cigarette case, Waterproof. J. R. Walker. 2,028,060; Jan. 14.
Cinematographic projector. A. L. V. C. Dubrie. 2,027,679; Jan. 14.
Circuit controller. H. P. Chandler. 1,937,276; Jan. 14.
Circuit controller, Thermostatic. R. J. Parsons. 2,028,077; Jan. 14.
Circuit controlling device of the thermal overload type, Electric. R. N. Lightfoot. 2,027,541; Jan. 14.
Circuit interrupter. H. J. Crabbs. 2,027,260; Jan. 14.
Circuit interrupter. E. M. Davis. 2,027,731; Jan. 14.
Circuit, Superheterodyne. W. Van B. Roberts. 2,027,968; Jan. 14.
Circular loom. R. Yeadon. 2,027,459; Jan. 14.
Clutch mechanism. H. D. Waterhouse. 2,027,941; Jan. 14.
Cleaner: *See*—
Air cleaner. Suction cleaner.
Drain cleaner.
Cleaning and polishing composition. R. M. Jacobsen. 2,027,535; Jan. 14.
Clock, Electric alarm. L. Hammond. 2,027,531; Jan. 14.
Closure for collapsible tubes, Hermetic. C. J. Westin. 2,028,112; Jan. 14.
Clutch: *See*—
Centrifugal clutch. Spring clutch.
Clutch. F. J. Lapointe. 2,027,496; Jan. 14.
Clutch control mechanism, T. W. Ellsworth. 2,027,877; Jan. 14.
Clutch-facing. G. Walters. 2,028,031; Jan. 14.
Clutch mechanism for transmissions. T. E. Tyler. 2,028,028; Jan. 14.
Clutch operating means. E. P. Lansing. 2,027,362; Jan. 14.
Clutch plate. H. Nutt. 2,027,650; Jan. 14.
Clutch structure. C. C. Weistrod. 2,027,880; Jan. 14.
Coating compositions and their production. F. Friedrich. 2,027,686; Jan. 14.
Cobalt-tungsten-chromium alloys, Treating. W. Köster. 2,027,780; Jan. 14.
Cock, Angle. E. McKnight. 2,027,871; Jan. 14.
Coffee maker. F. R. Wolcott. 2,028,032; Jan. 14.
Coffee maker and filter. C. D. Kantor. 2,027,836; Jan. 14.
Coffee, Treating. H. K. Wilder. 2,027,801; Jan. 14.
Combustion control means. E. E. Weeks. 2,027,843; Jan. 14.
Comparator. A. Drucker. 2,027,870; Jan. 14.
Compass, Azimuth. D. M. Green. 2,028,063; Jan. 14.
Compass, Magnetic. E. Sandoly. 2,027,982; Jan. 14.
Composition containing castor oil derivative. W. M. Brubaker. 2,027,460; Jan. 14.
Compressing machine. A. E. Kux. 2,027,215; Jan. 14.
Compressor, Rotary. L. R. Huff. 2,027,594; Jan. 14.
Concrete road building machine. J. M. Harvey, Jr. 2,027,907; Jan. 14.
Conduit for electric wiring. C. M. Rutherford. 2,027,619; Jan. 14.
Confection cover. J. Schrager. 2,027,511; Jan. 14.
Connecter: *See*—
Plug connecter. Battery wire connecter.
Container: *See*—
Dispensing container. Shipping container.
Molded container.
Container. C. H. Hanson. 2,027,499; Jan. 14.
Container and spreader, Glue. E. A. Brown. 2,028,064; Jan. 14.
Containers against leakage and tampering, Sealing. E. B. Shanor. 2,028,107; Jan. 14.
Containers, Apparatus and method for setting up. W. K. Andrew and E. I. Drake. 2,027,664; Jan. 14.
Control apparatus, Electric. J. Ostermaier and J. Michel. 2,027,253; Jan. 14.
Control for hydraulic steering gears. R. Erling. 2,028,089; Jan. 14.
Copper base alloy. H. L. Burghoff and D. H. Lawson. 2,027,807; Jan. 14.
Copper base alloy. H. L. Munson. 2,027,759; Jan. 14.
Copyholder. H. C. Wuster. 2,027,940; Jan. 14.
Corn pad package. W. M. Scholl. 2,027,556; Jan. 14.
Corn popping machine, Automatic. R. D. Parts and G. Hildenbrand. 2,027,695; Jan. 14.
Cosmetic. C. L. Marcus. 2,027,921; Jan. 14.
Counterbalance valve. L. L. Schauer and J. H. McKewen. 2,027,705; Jan. 14.
Coupling: *See*—
Flexible coupling. Vehicle coupling.
Coupling. M. A. Hunt. 2,027,524; Jan. 14.
Coupling. W. P. Schmitter and P. C. Day. 2,027,842; Jan. 14.
Coupling coil. G. W. Fyler. 2,027,861; Jan. 14.
Cover: *See*—
Confection cover. Seat cover.
Cover for receptacles for safety razors. H. L. Bruce. 2,027,899; Jan. 14.
Covering material, Making. A. B. Miller. 2,027,744; Jan. 14.
Cultivating tool. J. Moran. 2,028,001; Jan. 14.
Cup: *See*—
Paper ice cream cup.
Curvole fixture. W. B. Hamm. 2,027,567; Jan. 14.
Cutter: *See*—
Drill cutter.
Cutting and shaving device. H. Sieminski. 2,028,023; Jan. 14.
Cycle. F. Becker. 2,027,758; Jan. 14.
Decorative material and article. F. George. 2,027,568; Jan. 14.
Demodulator sensitivity control, Automatic. E. Urtel and K. Steimel. 2,027,909; Jan. 14.
Dental appliance. E. H. Eden. 2,027,578; Jan. 14.
Device indicating the position of adjustable parts of radio sets and the like. M. Leeuwin. 2,027,915; Jan. 14.
Dial control for hydraulic radial drills, Double. L. L. Schauer and J. H. McKewen. 2,027,706; Jan. 14.
Diamonds, Apparatus for preparing synthetic carbonado. J. H. L. Dubats. 2,027,943; Jan. 14.
Dibenzanthrone-azole and preparing the same. A. J. Weerts and M. S. Whelan. 2,028,115; Jan. 14.
Dig: *See*—
Wire drawing die.
Differential for roving frames, Compound. W. C. Stewart. 2,027,710; Jan. 14.
Diketo-dyestuffs and their manufacture, Mordant. E. Hag and M. Müller. 2,027,777; Jan. 14.
Dispenser: *See*—
Paper dispenser.
Dispenser for folded sheets. F. L. Brocrest. 2,027,974; Jan. 14.
Dispenser for sheets, Portable. F. L. Brocrest. 2,027,672; Jan. 14.
Dispensing and advertising container. F. A. Marx. 2,027,645; Jan. 14.
Dispensing container. A. W. Arnold. 2,027,769; Jan. 14.
Display device. C. Roberts. 2,027,789; Jan. 14.
Diving apparatus. E. C. Dean. 2,027,474; Jan. 14.
Doll and costume. B. Campbell. 2,028,120; Jan. 14.
Door, Car. W. A. Beauchamp. 2,027,574; Jan. 14.
Door, Car. C. Lale. 2,027,596; Jan. 14.
Door, Car. T. Midland. 1,027,599; Jan. 14.
Door, Car. K. J. Tobin and T. Midland. 2,027,566; Jan. 14.
Doorcheck. G. W. Gardiner. 2,027,433; Jan. 14.
Door constituting a removable and changeable refrigerating unit for refrigerating plants. E. Calatroni. 2,028,046; Jan. 14.
Door guiding equipment. D. L. Lindquist. 2,027,920; Jan. 14.
Door hinge, Automobile. E. B. G. Lefevre. 2,027,833; Jan. 14.
Doubler. A. B. Weibel. 2,027,712; Jan. 14.
Draft gear. A. H. Oelkers. 2,027,418; Jan. 14.
Drain cleaner. R. D. Woodward. 2,027,661; Jan. 14.
Drier: *See*—
Electric drier. Hair drier.
Drier. E. F. Hebley and E. Prins. 2,027,977; Jan. 14.
Drill cutter. E. Regats. 2,027,700; Jan. 14.
Drive mechanism. H. E. Golber. 2,027,818; Jan. 14.
Driving mechanism for propellers. S. K. Hoffman and C. H. Wiegman. 2,027,592; Jan. 14.
Drum pedal. F. J. La Londe. 2,027,869; Jan. 14.
Drying apparatus. W. L. Martin. 2,027,603; Jan. 14.
Dyestuffs and intermediates of the dibenzanthrone series, Manufacture of. A. J. Weerts. 2,028,117; Jan. 14.

Dyestuffs and preparing the same, Anthrimide carbazole vat. D. P. Graham. 2,028,103; Jan. 14.
Dyestuffs of the anthraquinone series. K. Weinand and H. Kalckbrenner. 2,027,658; Jan. 14.
Edge for hat brims, Reenforced. J. Cavanagh. 2,027,559; Jan. 14.
Egg case, All-metal collapsible. F. B. Elliott and R. I. Pollard. 2,027,683; Jan. 14.
Electric discharge device. C. E. Kenty. 2,027,383; Jan. 14.
Electric discharge devices, Apparatus for controlling. C. E. Kenty. 2,027,384; Jan. 14.
Electric drier, Portable. A. C. McCord and G. L. Tinkham. 2,027,606; Jan. 14.
Electric generator. C. M. Roach. 2,027,402; Jan. 14.
Electric motor. H. F. Jefferson. 2,027,867; Jan. 14.
Electric outlet. O. N. Plants. 2,028,000; Jan. 14.
Electric plug. P. Perry. 2,027,447; Jan. 14.
Electric switch. A. W. Krieger. 2,027,538; Jan. 14.
Electrical circuit and relay therefor. P. X. Rees. 2,027,701; Jan. 14.
Electrical dehydration, Method and apparatus for. P. W. Prutzman. 2,027,615; Jan. 14.
Electrical dehydration, Method and apparatus for. P. W. Prutzman. 2,027,616; Jan. 14.
Electrical resistance elements, Making. P. G. Andres. 2,027,418; Jan. 14.
Electrode for use in electrothermal processes for the production of carbon black. J. J. Jakosky. 2,027,722; Jan. 14.
Electron tube apparatus. R. P. Ballou. 2,027,510; Jan. 14.
Emulsion, Bituminous. J. E. Small. 2,027,404; Jan. 14.
Engine: *See*—
Internal combustion engine. Steam engine.
Esters of esterified glycollic acids. W. Lübbert and E. L. Müller. 2,027,901; Jan. 14.
Esters of unsaturated acids, Preparation of. E. E. Reid. 2,028,012; Jan. 14.
Esters of sulphodicarboxylic acids. A. O. Jaeger. 2,028,091; Jan. 14.
Ethylene diamine, Production of. F. C. Bersworth. 2,028,041; Jan. 14.
Exhaust deflector. J. DeMooy. 2,027,579; Jan. 14.
Fabric blanks, Method and apparatus for cutting. E. E. Murray. 2,027,825; Jan. 14.
Fan. W. K. Stoddard. 2,027,844; Jan. 14.
Fan, Electric. H. M. C. Fuller. 2,027,687; Jan. 14.
Fan, Electric. W. M. Young. 2,027,662; Jan. 14.
Fastener: *See*—
Collar fastener. Separable fastener.
Hook fastener. Window sash fastener.
Feather cleaning and sterilizing machine. H. Hirsch. 2,027,590; Jan. 14.
Feathers from fowl, Method and apparatus for removing. E. H. Hinchliffe. 2,027,729; Jan. 14.
Feeding device. W. A. Smith Sr. 2,027,562; Jan. 14.
Fence post. J. B. Cuneo. 2,027,765; Jan. 14.
Fender, Marine. D. T. Whitlock. 2,027,800; Jan. 14.
Fibrous materials by impregnation, Printing of. M. R. Greiner. 2,027,850; Jan. 14.
Fibrous product and making the same. G. H. Hills. 2,027,561; Jan. 14.
Film driving device, Cinematographic. A. L. V. C. Debrie. 2,027,678; Jan. 14.
Films, Casting transparent. E. M. Kratz. 2,027,529; Jan. 14.
Films, foils or skins, Making transparent. F. Eichmann and H. Nerad. 2,027,632; Jan. 14.
Filter: *See*—
Air filter. Oil filter.
Filter. H. T. Durant and E. O. Stubbings. 2,027,681; Jan. 14.
Filter. M. A. Goldman. 2,028,061; Jan. 14.
Filter. W. Raisch. 2,027,652; Jan. 14.
Filter apparatus. M. A. Goldman. 2,028,062; Jan. 14.
Fish lure. W. J. DeWitt. 2,028,060; Jan. 14.
Fishing pole holder. O. E. Hair. 2,027,772; Jan. 14.
Flash-light display rack. O. P. Storch. 2,028,026; Jan. 14.
Flavoring of foodstuffs. L. P. Kyrides and H. H. Retaillian. 2,027,587; Jan. 14.
Flexible coupling. J. S. Tully. 2,027,499; Jan. 14.
Fluid contacting apparatus. H. M. Weir. 2,027,410; Jan. 14.
Fluid content of a container, Indicating the. W. N. Clurman. 2,027,417; Jan. 14.
Fluid pressure control apparatus. E. L. Dennis. 2,028,049; Jan. 14.
Foils, Manufacture of. M. Hagedorn. 2,027,688; Jan. 14.
Folding table. M. E. Nelson. 2,027,609; Jan. 14.
Food flavoring composition. A. Alt. 2,027,361; Jan. 14.
Food product and making the same. A. L. Kurs. 2,027,596; Jan. 14.
Forging means. G. Spatta. 2,027,406; Jan. 14.
Fracture and orthopedic operating machine. H. M. Bergamini. 2,027,805; Jan. 14.
Fracture and orthopedic operating frame. A. Stephenson. 2,027,795; Jan. 14.
Frame: *See*—
Fracture and orthopedic operating frame. Motor car frame.
Sign display frame.
Freeness detector. H. D. Wells. 2,027,660; Jan. 14.
Free-wheel device. P. Moreau. 2,027,924; Jan. 14.
Frequency modulation. C. W. Hansell. 2,027,973; Jan. 14.
Fruit cleaning apparatus, Attachment for. C. L. Sherwood. 2,027,566; Jan. 14.
Fuel injection system. C. E. Alden. 2,027,960; Jan. 14.
Fuel oil burner. A. Bliss. 2,027,717; Jan. 14.
Fuels, Treating hydrocarbon. H. Reinecke. 2,028,014; Jan. 14.
Furnace. C. A. Gallagher and C. M. Allen. 2,027,417; Jan. 14.
Furnace, Method of stoking. H. L. Kraeft. 2,027,485; Jan. 14.
Furrier's cutting tool. A. C. Delbos. 2,027,964; Jan. 14.
Gas conversion process, Natural. M. P. Youker. 2,027,460; Jan. 14.
Gas heated toasting device. L. B. Pedersen. 2,027,839; Jan. 14.
Gas material, method and apparatus for dispensing. G. J. Boshkoff. 2,028,119; Jan. 14.
Gas mixer. H. V. Snodgrass. 2,027,497; Jan. 14.
Gaseous mixtures, Separation and purification of. J. A. Shaw. 2,028,134; Jan. 14.
Gasoline and method of manufacture, High octane number. O. P. Cottrell. 2,028,121; Jan. 14.
Gauge: *See*—
Mixing gauge. Pressure gauge.
Gear: *See*—
Draft gear.
Gear for aeroplanes, Landing. W. A. Crossley. 2,027,909; Jan. 14.
Gear rims, Apparatus for making composite. E. M. d'Aubigne. 2,028,048; Jan. 14.
Gearing, Planet. W. Stoeckicht. 2,027,656; Jan. 14.
Generator: *See*—
Electric generator. Oscillation generator.
Girdle, Sanitary. C. E. Peckwell. 2,028,097; Jan. 14.
Glass, Sight. P. S. Morgan. 2,027,606; Jan. 14.
Gluing machine. R. E. Brie. 2,027,528; Jan. 14.
Golf club. A. Cunningham. 2,027,635; Jan. 14.
Golf club. G. Rusing. 2,027,452; Jan. 14.
Grate-bar. H. S. Dilley. 2,027,760; Jan. 14.
Grinding machine. H. L. Blood and A. P. Burns. 2,027,627; Jan. 14.
Groovers for tires, Cross. W. F. Hrig and G. M. Pfaut. 2,028,063; Jan. 14.
Gun. C. A. Young. 2,027,899; Jan. 14.
Gun. D. M. Williams. 2,027,862; Jan. 14.
Gun, Grease. L. C. Vanderlip. 2,027,500; Jan. 14.
Gunfire director system. A. G. Myers and E. W. Chubb. 2,027,920; Jan. 14.
Guns, Belt feeding mechanism for. D. M. Williams. 2,027,896; Jan. 14.
Hair drier. A. List and C. S. Stuart. 2,027,664; Jan. 14.
Ham-boiler. F. Roth. 2,027,541; Jan. 14.
Hand bag. C. M. Lewis. 2,027,740; Jan. 14.
Handle: *See*—
Carton handle. Safety razor handle.
Handle escutcheon. G. L. Kemper. 2,028,071; Jan. 14.
Handkerchief. J. H. Johnson. 2,028,070; Jan. 14.
Handling apparatus. K. P. E. Andersen. 2,027,908; Jan. 14.
Hatch, Service. W. J. Pugg. 2,027,491; Jan. 14.
Headlight, Vehicle. T. J. Horgan. 2,027,600; Jan. 14.
Headstock for machine tools. H. R. Kraut and K. F. Gallimore. 2,027,852; Jan. 14.
Heat exchange device. F. G. Cornell, Jr. 2,027,906; Jan. 14.
Heat exchange system. R. R. Olson. 2,027,929; Jan. 14.
Heat, System for the conversion of. K. V. Hammelmann and E. Alteskirch. 2,027,510; Jan. 14.
Heat, Transformation of. E. Alteskirch and K. Neumann. 2,027,571; Jan. 14.
Heating apparatus, Electric. J. E. Blakeslee. 2,027,418; Jan. 14.
Heating means for third rail electric railways, Protective. L. S. Wells. 2,027,943; Jan. 14.
Heel and heel-seat fitting. G. Hamelton, C. H. James, and W. I. Bacon. 2,027,451; Jan. 14.
Heel, Detachable. C. H. Johnson. 2,027,462; Jan. 14.
Hinge for automobile and other doors, Concealed. P. Binel. 2,027,724; Jan. 14.
Hinge: *See*—
Door hinge.
Hinge structure for automobile bodies, Adjustable. T. J. Solomon. 2,027,883; Jan. 14.
Hob cutters, Method of and machine for producing. H. Schicht. 2,027,621; Jan. 14.
Holder: *See*—
Certificate holder. Sheet holder.
Fishing pole holder.
Label and can-opener holder.
Holding device. C. A. Brinkman. 2,027,667; Jan. 14.
Hook: *See*—
Safety hook.
Hook fastener. C. L. Sheldon. 2,028,020; Jan. 14.
Horizon for aircraft, Artificial. B. G. Carlson. 2,027,959; Jan. 14.
Hormone, Preparing gonad stimulating. A. E. Hoge. 2,027,446; Jan. 14.
Hose coupling for tires, Air. H. O. Bowers. 2,027,589; Jan. 14.
Hosiery drying form. R. Weber. 2,027,712; Jan. 14.
Hosiery, Making. P. Lieberknecht. 2,027,721; Jan. 14.
Hub lamp. B. S. Hamer. 2,027,478; Jan. 14.
Hydrocarbons, Controlled pyrogenic decomposition of. G. B. Roberts, Jr. 2,027,562; Jan. 14.

Hydrocarbons, Converting. M. Gaudwin and R. W. Polmenter. 2,027,863; Jan. 14.
Hydrocarbons, Treatment of. H. W. McMullan. 2,027,594; Jan. 14.
Hydrogen halides, Production of. A. M. Clifford. 2,028,087; Jan. 14.
Hydrogen peroxide solutions, Purification of. J. S. Reichert. 2,027,889; Jan. 14.
Hydrogen peroxide solutions with pyrophosphoric acid, Stabilizing. J. S. Reichert. 2,027,888; Jan. 14.
Hydrogen sulphide, Obtaining. J. A. Shaw. 2,028,135; Jan. 14.
Hydrolysis and ammonolysis of aryl halides, Simultaneous. W. J. Hale. 2,028,068; Jan. 14.
Hygrometric apparatus. A. R. Clarson. 2,027,939; Jan. 14.
Hygroscopic control switch. M. B. Henning. 2,027,589; Jan. 14.
Ice cream and the like, Apparatus for forming and wrapping bricks of. L. A. Mapes. 2,027,545; Jan. 14.
Ice cubes, Device for cutting. J. B. Mathews. 2,027,893; Jan. 14.
Ice refrigeration, Portable dry. C. I. Justheim. 2,027,552; Jan. 14.
Ice scoring device. C. A. Smith. 2,028,024; Jan. 14.
Ignition apparatus. J. L. Arthur. 2,027,507; Jan. 14.
Ignition circuit. D. W. Randolph. 2,027,617; Jan. 14.
Ignition, Obtaining advanced and retarded. R. Kimber. 2,027,692; Jan. 14.
Ignition system. H. L. Hartnell. 2,028,066; Jan. 14.
Image suppression arrangement. J. Xolles. 2,027,949; Jan. 14.
Indicating means for railway signaling systems. C. S. Bushnell. 2,027,719; Jan. 14.
Indicator: *See*—
Phase-sequence indicator. Wind angle indicator.
Indigoid dyestuffs and making same. E. Stöcklin. 2,027,890; Jan. 14.
Ink fountain back. H. A. W. Wood. 2,027,850; Jan. 14.
Insole. F. E. Mann. 2,027,601; Jan. 14.
Interlocking system for railroads. S. M. Wight. 2,027,568; Jan. 14.
Intermediates and dyestuffs of the anthraquinone series. D. P. Graham. 2,028,104; Jan. 14.
Intermediates for dyes. R. G. Beckett. 2,027,965; Jan. 14.
Internal combustion engine. D. Gregg. 2,027,519; Jan. 14.
Internal combustion engine. J. Haller and L. A. Low. 2,027,972; Jan. 14.
Internal combustion engine. J. G. Vincent. 2,027,940; Jan. 14.
Internal combustion engine. E. L. Weitzel. 2,027,891; Jan. 14.
Intestine, Apparatus for treating the large. H. F. Hansen. 2,027,588; Jan. 14.
Iodine, Extracting. L. C. Chamberlain and G. W. Hooker. 2,028,099; Jan. 14.
Iron and dampener, Electric. D. A. Dooms. 2,027,787; Jan. 14.
Iron, Producing sponge. C. J. Head. 2,028,105; Jan. 14.
Jack: *See*—
Shoe jack.
Jig, Pulsating. M. J. Lide. 2,027,597; Jan. 14.
Joined structure. L. D. Morton. 2,027,747; Jan. 14.
Joint installing means, Expansion. W. C. Fischer. 2,027,725; Jan. 14.
Journal box. D. S. Barrows. 2,028,030; Jan. 14.
Kiln setter for rearing of tableware. C. F. Geiger and W. C. Kempf. 2,027,565; Jan. 14.
Knob rose and securing means. E. A. Meller. 2,027,666; Jan. 14.
Label and can-opener holder, Combined. L. W. Bentow. 2,027,624; Jan. 14.
Lamp: *See*—
Hub lamp.
Lamp bulb, Electric. F. Kallus. 2,027,966; Jan. 14.
Lathe. W. E. Whipp and C. A. Bickel. 2,027,868; Jan. 14.
Lens mount. L. E. Whittaker. 2,027,411; Jan. 14.
Light: *See*—
Battery light.
Light source, Cold. J. B. Davis and J. L. Simpson. 2,027,519; Jan. 14.
Light supporting device, Extension. J. Buck. 2,027,575; Jan. 14.
Lighter and gas server, Automatic. C. F. White. 2,028,082; Jan. 14.
Lining and beveling machine. V. Royle. 2,027,934; Jan. 14.
Lining for window guides and applying the same. E. E. Creamer. 2,027,511; Jan. 14.
Liquid dispensing device. H. T. Goss and H. Johnson. 2,028,102; Jan. 14.
Liquids, and especially lubricants, Apparatus for testing. J. G. Dintilhac. 2,027,903; Jan. 14.
Lock: *See*—
Wheel and tire lock.
Lock construction. M. Holpfer. 2,027,731; Jan. 14.
Lock for railway spring switches. P. Renshaw. 2,027,702; Jan. 14.
Loom: *See*—
Circular loom.
Loom. W. F. Bird. 2,027,866; Jan. 14.
Loom. A. M. Mahieux. 2,028,002; Jan. 14.
Loom shuttle structure. H. Nova. 2,027,762; Jan. 14.
Looms, Weaving. E. Hrding. 2,027,776; Jan. 14.
Looms, Stop motion for. W. H. Hill. 2,027,775; Jan. 14.
Loop-buckle. E. J. Hodge. 2,027,533; Jan. 14.
Loud speaker. F. L. Creager and M. L. McMurtrey. 2,027,473; Jan. 14.
Lubrication, Central. J. Bijur. 2,027,366; Jan. 14.
Lubricator: *See*—
Rail and flange lubricator.
Machine for charging annealing furnaces and the like. H. W. Ball. 2,028,043; Jan. 14.
Machine for charging annealing furnaces and the like. H. Buck and H. W. Ball. 2,028,045; Jan. 14.
Machine for molding hollow rubber articles. L. J. Clayton. 2,027,624; Jan. 14.
Machine for operating upon sheet material. L. S. Macdonald. 2,027,445; Jan. 14.
Machine for shaping cardboard articles. E. H. Newton. 2,027,649; Jan. 14.
Magnesium carbonate, Manufacturing basic. S. A. Abrahams. 2,027,714; Jan. 14.
Magnet containing copper, Permanent. T. Mishima. 2,027,997; Jan. 14.
Magnet containing nickel, aluminum, and manganese, Permanent. T. Mishima. 2,027,999; Jan. 14.
Magnet containing nickel, aluminum, cobalt, and chromium, Permanent. T. Mishima. 2,027,998; Jan. 14.
Magnet containing nickel, aluminum, and vanadium, Permanent. T. Mishima. 2,028,000; Jan. 14.
Magnet steel containing nickel and aluminium. T. Mishima. 2,027,994; Jan. 14.
Magnet with cobalt, Strong permanent. T. Mishima. 2,027,996; Jan. 14.
Magnet with tungsten, molybdenum or chromium, Strong permanent. T. Mishima. 2,027,995; Jan. 14.
Manifold. F. R. Higley. 2,027,480; Jan. 14.
Mask, Face. F. G. Manson. 2,027,392; Jan. 14.
Materials, Apparatus for freezing. S. M. Davison. 2,027,872; Jan. 14.
Materials capable of undergoing dispersion in water and for obtaining aqueous dispersions therefrom, Treating. L. G. Gabriel, J. F. T. Blott, W. L. Peard, L. W. G. Firmin, L. Meunier, and J. L. van der Minne. 2,027,584; Jan. 14.
Materials electrostatically, Treating. T. J. Hadlee. 2,027,976; Jan. 14.
Materials in the form of long webs or sheets, Conveying. J. H. Rooney and R. J. Ward. 2,027,451; Jan. 14.
Mercury sulphate, Manufacture of. R. J. Baird. 2,027,864; Jan. 14.
Metal surfaces, Upholstering of. H. O. Klee. 2,027,644; Jan. 14.
Metal wheel. G. Walther. 2,027,408; Jan. 14.
Metals, Making hard sintered. G. Boecker. 2,027,768; Jan. 14.
Meteorological conditions by radio, System of determining. W. E. Blair. 2,027,867; Jan. 14.
Milk, Preserving. G. A. Krause. 2,028,072; Jan. 14.
Mill: *See*—
Pulverizing mill.
Milling machine. H. O. Fletcher. 2,027,726; Jan. 14.
Mining machine. W. W. Sloane. 2,027,456; Jan. 14.
Mixer: *See*—
Gas mixer.
Mixing gauge. F. W. Trabold. 2,027,404; Jan. 14.
Mold and its production. A. E. Ray. 2,027,932; Jan. 14.
Mold for the production of rubber heels. D. Penardi. 2,027,661; Jan. 14.
Molded products, Making composite. C. L. Keller. 2,027,488; Jan. 14.
Molding device. L. C. Shippy. 2,028,021; Jan. 14.
Monosaccharides, Polymerising. E. Färber. 2,027,004; Jan. 14.
Mono sulphides, Preparing thiazyl. J. Teppema. 2,028,082; Jan. 14.
Mop wringer attachment. R. T. Smith. 2,028,025; Jan. 14.
Motor: *See*—
Electric motor. Wave motor.
Motor car frame, Rigid. G. Brouillet. 2,027,898; Jan. 14.
Motor compressor. R. P. Pescara. 2,027,877; Jan. 14.
Mouth treating composition. O. S. Fowler. 2,027,874; Jan. 14.
Musical instrument, Stringed. R. Dopyera. 2,027,723; Jan. 14.
Narcotic, Rectal. R. Goth. 2,027,905; Jan. 14.
Navigational guide system. J. H. Hammond, Jr. 2,027,527–30; Jan. 14.
Navigational instrument. R. W. Bockius. 2,027,868; Jan. 14.
Nozzle. S. F. Barclay. 2,027,954; Jan. 14.
Nozzle for vacuum cleaners. V. N. M. Smith. 2,027,793; Jan. 14.
Nozzle, Suction. G. B. Lofgren. 2,027,543–4; Jan. 14.
Oil and producing same, Lubricating. E. R. Lederer. 2,027,726; Jan. 14.
Oil- and water-proof product. W. A. Lazier and J. H. Worstz. 2,027,890; Jan. 14.
Oil burning apparatus. L. E. Chadwick and J. A. Duhlstrom. 2,027,622; Jan. 14.
Oil derivative. M. M. Brubaker. 2,027,467; Jan. 14.
Oil filter. R. H. Pennebaker. 2,027,400; Jan. 14.
Oil filter. R. H. Pennebaker. 2,027,876; Jan. 14.

Oil stock, Treating lubricating. J. D. Fields. 2,027,710; Jan. 14.
Oil testing apparatus, Lubricating. M. Cornell and C. C. Curtis. 2,027,518; Jan. 14.
Oiler or waxer, Floor. A. Steigerwald. 2,026,079; Jan. 14.
Oils of waterless gasholders, Demulsifying the sealing. H. Dellmann. 2,027,965; Jan. 14.
Oils, Treatment of hydrocarbon. R. J. Dearborn and W. M. Stratford. 2,028,100; Jan. 14.
Ophthalmoscope. W. N. Allyn. 2,027,989; Jan. 14.
Organic materials, Ammoniating. E. O. H. Davis and W. Scholl. 2,027,709; Jan. 14.
Ornamentation. A. P. Reilly. 2,028,013; Jan. 14.
Ornamentation for bags. A. Landis. 2,027,441; Jan. 14.
Oscillation generator. P. H. Drake. 2,027,821; Jan. 14.
Oscillator, Crystal controlled. H. O. Peterson. 2,027,448; Jan. 14.
Packing process. C. H. Hansen. 2,027,629; Jan. 14.
Packing, Wash pipe. R. T. Hoye. 2,027,864; Jan. 14.
Pad: *See*—
Pedal pad.
Paint brush bridle. H. N. Garrison. 2,027,771; Jan. 14.
Paper dispenser. F. L. Broeren. 2,027,668–71; Jan. 14.
Paper dispenser. F. L. Broeren. 2,027,670; Jan. 14.
Paper feed mechanism. W. A. Anderson. 2,027,571; Jan. 14.
Paper ice cream cup. A. C. Wood. 2,027,802; Jan. 14.
Paper making machine. N. J. Wiks. 2,027,611; Jan. 14.
Paper manufacture. G. D. Mackrell. 2,027,741; Jan. 14.
Paper sheets, Method and apparatus for handling multiple. W. C. Pfeiffer. 2,027,612; Jan. 14.
Parking register. E. W. Rabeau. 2,028,037; Jan. 14.
Partition, Collapsible. H. W. Maurer. 2,027,992; Jan. 14.
Partition, Metal. E. Larson. 2,027,970; Jan. 14.
Partition structure. J. Page. 2,027,784; Jan. 14.
Pedal pad. H. H. Lampert. 2,028,073; Jan. 14.
Peg or the like, Hat. A. Noble and T. P. Wahland. 2,027,489; Jan. 14.
Pen, Fountain. W. G. Tapply. 2,027,856; Jan. 14.
Pencil stand. C. Buehner. 2,027,857; Jan. 14.
Percolator. S. W. Ireland. 2,027,481; Jan. 14.
Permanent waving. H. N. Durham and C. B. Finnegan. 2,028,061; Jan. 14.
Petroleum oil, Refining of. J. C. Morrell. 2,027,646; Jan. 14.
Petroleum products, Stabilizing gum forming. E. Ayres and M. L. Hill. 2,027,462; Jan. 14.
Phase-sequence indicator. A. R. Hand. 2,027,564; Jan. 14.
Phenol, Cumyl. R. C. Britton and L. F. Martin. 2,028,043; Jan. 14.
Phenyl-diphenyl oxide, Halogenated. W. C. Steemer. 2,028,061; Jan. 14.
Phonograph control by sound record. J. H. Hammond, Jr., and A. D. Tremor. 2,027,426; Jan. 14.
Phonograph record. E. F. Warren. 2,028,128; Jan. 14.
Phonograph, Repeating. J. H. Hammond, Jr. 2,027,427; Jan. 14.
Photoelectrostatic relay. H. Nelson. 2,027,751; Jan. 14.
Photographic apparatus. F. A. Bourges. 2,027,209; Jan. 14.
Photographic plate and apparatus for loading the same. J. C. Hewitt, Jr., and V. E. Kuster. 2,027,642; Jan. 14.
Photographic sound recording apparatus. F. H. Owens. 2,028,000; Jan. 14.
Piano sounding board. H. Fischer. 2,027,909; Jan. 14.
Picker's sack carrier. H. L. Pugatt. 2,028,057; Jan. 14.
Picture projector, Motion. A. Caillet and F. Heger. 2,027,675; Jan. 14.
Piezo-electric crystal apparatus. E. E. Franklin. 2,027,800; Jan. 14.
Piling in soft sandy material, Casting bell-bottom place. B. E. Bertran. 2,027,511; Jan. 14.
Pins, Making wrist. F. H. Banner. 2,027,573; Jan. 14.
Pipe and making same, Corn cob. E. M. Struts and R. J. Steuterman. 2,027,437; Jan. 14.
Pipe and making same, Welded metal. G. G. Walker. 2,028,006; Jan. 14.
Pipe casting apparatus, Centrifugal. H. F. S. Russell and F. C. Langenberg. 2,027,453; Jan. 14.
Pipe wrapping machine. L. S. Roemer. 2,027,704; Jan. 14.
Piston expander. L. A. Witter. 2,027,496; Jan. 14.
Piston skirt expander. G. J. Moeller. 2,027,572; Jan. 14.
Plastic material, Apparatus for extruding. G. F. Bremseau and H. D. Ferris. 2,028,044; Jan. 14.
Plow, Revolving disk. F. E. Herring. 2,027,910; Jan. 14.
Plug: *See*—
Electric plug. Vent plug.
Plug connecter. G. E. Benander. 2,027,563; Jan. 14.
Plumbing unit, Factory fabricated rough. E. L. Davison. 2,027,371; Jan. 14.
Pneumatic railway wheel. P. M. Lewis. 2,027,540; Jan. 14.
Post: *See*—
Fence post.
Potato harvester machine. F. J. Rodin. 2,027,840; Jan. 14.
Powder metallurgy, C. Hardy. 2,027,532; Jan. 14.
Power device. J. J. Hartl. 2,027,640; Jan. 14.
Power take-off. F. Forsberg, E. A. Forsberg, and C. C. Forsberg. 2,027,688; Jan. 14.
Power transmission. A. Ronaing. 2,027,618; Jan. 14.
Power transmission device. A. V. Bedford. 2,027,591; Jan. 14.
Preserving can. H. Karl. 2,027,487; Jan. 14.
Preserving can, Sanitary. H. Karl. 2,027,488; Jan. 14.
Press. W. Klocke. 2,027,735; Jan. 14.
Press for dehydrating animal material. M. van Rogen and L. Robin. 2,027,977; Jan. 14.
Pressure gauge. C. F. Odmenthal. 2,027,878; Jan. 14.
Primer for ammunition. O. H. Jacobs. 2,027,525; Jan. 14.
Printing press and method of printing. F. V. Irvin. 2,027,797; Jan. 14.
Projecting machine for sound cinematographs. A. L. V. C. Dutrin. 2,027,820; Jan. 14.
Propeller mounting mechanism. F. A. King. 2,027,459; Jan. 14.
Protector. E. Gilbert. 2,028,065; Jan. 14.
Puller: *See*—
Wood puller.
Pulverizing mill. E. Lundgren. 2,027,782; Jan. 14.
Pulverulent materials, Homogenizing. H. Wilson. 2,027,997; Jan. 14.
Pump: *See*—
Boat pump. Vertical double action pump.
Pumping device. R. F. A. Fleischers. 2,027,670; Jan. 14.
Punch, Card. W. W. Lasker. 2,027,917; Jan. 14.
Rack: *See*—
Flash-light display rack.
Rack. E. B. Norwood. 2,027,928; Jan. 14.
Radio apparatus. A. R. Knight. 2,027,529; Jan. 14.
Radio receiving apparatus. J. W. Alexander. 2,027,981; Jan. 14.
Rail and flange fabrication, H. E. Hotz. 2,027,414; Jan. 14.
Rails, Apparatus for bending. F. P. Piper. 2,027,815; Jan. 14.
Recorder for centralized traffic controlling systems. C. E. Bushnell. 2,027,712; Jan. 14.
Recording device. J. A. Widmer. 2,027,843; Jan. 14.
Reenforce for gaskets. J. R. Icke and W. A. Helm. 2,027,847; Jan. 14.
Refrigeration. E. M. Blickstrom. 2,027,761; Jan. 14.
Refrigeration. W. G. Kligl and N. Widell. 2,027,779; Jan. 14.
Refrigeration, Absorption. R. S. Nelson. 2,027,927; Jan. 14.
Refrigeration apparatus. L. S. Chadwick. 2,027,631; Jan. 14.
Refrigerator structure. E. C. Pierce. 2,027,875; Jan. 14.
Relay, Detachable. J. F. Martel. 2,027,743; Jan. 14.
Remote control system. D. G. Taylor. 2,028,110; Jan. 14.
Resinous products, Preparing odorless synthetic. G. F. Landt. 2,027,960; Jan. 14.
Roasting and drying machine. W. Abcarn and L. Hamlen. 2,027,894; Jan. 14.
Reversible shaded pole motor. C. H. Suits. 2,027,849; Jan. 14.
Ride front sight, Full view. O. R. Fowling. 2,028,065; Jan. 14.
Road joint mechanism with void forming unit. R. E. Robertson. 2,027,553; Jan. 14.
Road reconditioning machine. B. H. Flynn. 2,027,865; Jan. 14.
Roadway machine. M. D. Bowen. 2,027,628–30; Jan. 14.
Rod-like articles, Making coated. J. M. Whitehead. 2,028,063; Jan. 14.
Roll packager. C. F. Hawker. 2,027,890; Jan. 14.
Rolled articles, Packaging. C. F. Hawker. 2,027,891; Jan. 14.
Rolling machine. J. and G. Stein. 2,027,564; Jan. 14.
Rolls, Apparatus for cleaning. G. von Wobern. 2,027,497; Jan. 14.
Rolls, Mechanism for unwinding web. G. W. Swift, Jr. 2,027,790; Jan. 14.
Roof covering. H. T. Nichols. 2,028,004; Jan. 14.
Root cutter for sewer pipes. G. J. Christian. 2,027,683; Jan. 14.
Root harvesting machine. O. Hendel. 2,027,479; Jan. 14.
Rubber for the manufacture of paints, varnishes, and the like, and for insulating purposes, Dissolving. J. E. Hemhaven. 2,028,066; Jan. 14.
Rubber, Vulcanization of. W. C. Calvert and E. L. Cramer. 2,028,096; Jan. 14.
Rugs, Apparatus for fashioning. C. F. Bowker, R. E. Herr, and F. G. Rottmund. 2,027,379; Jan. 14.
Saddle tree. S. E. Worcester. 2,027,951; Jan. 14.
Safety device for protecting motor car against fire after collision. D. Stokes. 2,027,108; Jan. 14.
Safety hook. H. B. Gray. 2,027,876; Jan. 14.
Safety razor handle. J. D. Raymond. 2,028,011; Jan. 14.
Sagging of garage doors, Device for preventing the. J. Kunz. 2,027,531; Jan. 14.
Scale, Weighing. L. S. Williams. 2,027,864; Jan. 14.
Scooter. W. H. Larkin. 2,027,535; Jan. 14.
Scooter. E. E. Schaad. 2,027,629; Jan. 14.
Scoring and punching device for loose leaf covers. E. D. Lisle. 2,027,444; Jan. 14.
Scraper agitator, Center bin. G. H. Tay. 2,027,795; Jan. 14.
Screen: *See*—
Wind screen.
Screen separator. G. H. Fraser. 2,027,875; Jan. 14.
Screws and bolts, Manufacture of. W. M. Phelps. 2,027,909; Jan. 14.
Seal. H. R. De Lain. 2,027,815; Jan. 14.
Seal for rotary shafts, Rotating. C. J. Wiskus. 2,027,995; Jan. 14.
Seals, Packing. Sold. W. A. Lesley. 2,027,826; Jan. 14.
Seat cover. M. Witteck. 2,027,847; Jan. 14.
Separable fastener. E. O. Seaver. 2,027,708; Jan. 14.
Separator: *See*—
Screen separator.
Sewage, Apparatus for treating. F. S. Currie. 2,027,579; Jan. 14.
Sewing machine. M. McCann. 2,027,742; Jan. 14.
Sewing machine. H. C. Spence. 2,028,005; Jan. 14.
Sewing machine. C. W. Schweigert. 2,028,015; Jan. 14.
Sewing machine material guide. A. Colbert. 2,027,472; Jan. 14.
Sewing machines, Tufting attachment for. W. E. Schandel. 2,027,434; Jan. 14.
Sheet holder. J. Bayer. 2,027,625; Jan. 14.
Shield, Glare. R. C. Jacobs. 2,027,532; Jan. 14.
Shipping container. O. M. Babcock. 2,027,804; Jan. 14.
Shipping container. W. H. Smith. 2,027,861; Jan. 14.
Shirt. S. Heymann. 2,027,641; Jan. 14.
Shirt suspensory. O. Stam. 2,027,622; Jan. 14.
Shock absorbing mechanism, Friction. W. M. Asseta. 2,027,623; Jan. 14.
Shoe. J. W. Barney and A. Bartoshi. 2,027,953; Jan. 14.
Shoe. P. G. Flint. 2,028,084; Jan. 14.
Shoe. C. L. Kalbe. 2,027,727; Jan. 14.
Shoe counter. C. A. Thurston. 2,028,111; Jan. 14.
Shoe. E. L. Shultz. 2,027,557; Jan. 14.
Shoe jack. P. Ribar. 2,027,709; Jan. 14.
Shoe shanks, Bending. A. D. Bach. 2,027,716; Jan. 14.
Shoe uppers, Method of and apparatus for marking. C. F. Eaton. 2,027,697; Jan. 14.
Shovel, Automatic shaker. R. Gibson. 2,027,825; Jan. 14.
Shutter mechanism for motion picture projectors. I. Diebel. 2,027,529; Jan. 14.
Sign display frame. L. J. Schneider. 2,027,790; Jan. 14.
Signal indicator for railroad vehicles. J. A. C. King. 2,027,985; Jan. 14.
Signaling, Sheet wave. H. E. Lindenblad. 2,027,919; Jan. 14.
Silencer for flush valves. J. Fried. 2,028,126; Jan. 14.
Silica on material, Depositing. A. B. Ray. 2,027,961; Jan. 14.
Silk and like products, Production of artificial. R. P. Roberts and R. B. Johnson. 2,027,450; Jan. 14.
Silk by the stretch spinning process, Production of artificial. G. Baumidel and H. Knobe. 2,027,895; Jan. 14.
Sink, Shelf-back. V. H. Schmiedeknecht. 2,027,707; Jan. 14.
Slab filler. F. T. Kreis. 2,027,830; Jan. 14.
Slipper, Burial. J. W. McCamish. 2,027,647; Jan. 14.
Sludge removing apparatus. S. Shafer, Jr. 2,028,064; Jan. 14.
Soaps, Manufacturing. W. Schrauth. 2,027,986; Jan. 14.
Socket device. A. Ploger. 2,028,010; Jan. 14.
Socket, Radio tube. J. F. Anderson. 2,028,035; Jan. 14.
Sockets, Making wrench. M. F. McNaught. 2,027,923; Jan. 14.
Sound reproducer. E. W. Franck. 2,027,737; Jan. 14.
Spar structure. W. L. Sutton. 2,027,711; Jan. 14.
Speedometer, Pointer type. R. C. Holgsby. 2,027,589; Jan. 14.
Spray, Insecticidal. I. Stone. 2,028,100; Jan. 14.
Spring clutch. W. C. Starkey. 2,027,794; Jan. 14.
Sprinkler, Loom. H. W. Webb. 2,027,567; Jan. 14.
Square and slide rule, Combination. J. I. Easterly. 2,028,052; Jan. 14.
Stabilizing device for picker sticks. E. Huggins. 2,027,601; Jan. 14.
Stand: *See*—
Article storage and display stand. Pencil stand.
Starter, Engine. C. Cunnius. 2,027,860; Jan. 14.
Starting device for synchronous motors, Automatic. E. H. Whitehead and W. E. Porter. 2,027,944; Jan. 14.
Steam boiler. J. W. Armour. 2,028,036; Jan. 14.
Steam engine, Twin cylinder. J. M. Shimer. 2,027,843; Jan. 14.
Steam generator of the water tube type. A. Lieberherr. 2,027,443; Jan. 14.
Steam heating system. F. I. Raymond. 2,027,881; Jan. 14.
Steam to the radiators of steam heating systems, Supplying. F. I. Raymond. 2,027,880; Jan. 14.
Steel making slags, Treating. A. E. Kinzel. 2,027,848; Jan. 14.
Stereotype matrices, Method and apparatus for preparing. H. Fankboner. 2,027,524; Jan. 14.
Stiffening material. E. H. Cameron. 2,027,967; Jan. 14.
Stiffening material. J. Fauste. 2,027,968; Jan. 14.
Stiffening material. E. Hamilton. 2,027,978; Jan. 14.
Stitching mechanism, Zigzag. C. C. Smith. 2,027,887; Jan. 14.
Stoker, Mechanical. J. A. Hoffman. 2,027,801; Jan. 14.
Stove and heater, Fireplace. E. L. Davison and E. V. Ludwig. 2,028,069; Jan. 14.
Strip and support, Center. W. C. Burrell. 2,027,816; Jan. 14.
Striping tool. F. E. Howel. 2,027,774; Jan. 14.
Stud bolt wrench. C. E. Ingersoll. 2,027,534; Jan. 14.
Substructure for oil well derricks. S. H. Bottle and H. A. Johnson. 2,028,019; Jan. 14.
Suction cleaner. W. A. Frantz. 2,028,090; Jan. 14.
Suction cleaner. C. H. Taylor. 2,027,988; Jan. 14.
Sugar cane juices, Clarifying. F. E. Fortier. 2,027,422; Jan. 14.
Sulphates of high molecular weight, Production of alkyl. H. Bertsch. 2,027,896; Jan. 14.
Superheterodyne receiver. R. I. Kinzer. 2,027,868; Jan. 14.
Supporter: *See*—
Arch supporter.
Supporting and locking means for printing interpreters, H. P. Miner. 2,027,923; Jan. 14.
Suspension device. A. Dubonnet. 2,027,966; Jan. 14.
Suspension system, Automatic. H. M. Crane. 2,027,577; Jan. 14.
Sweeper, Vacuum. M. L. Marotte. 2,027,602; Jan. 14.
Switch: *See*—
Electric switch. Vacuum switch.
Hygroscopic control switch
Switch and fabricating the same, Vacuum. W. K. Rankin and C. D. Hayward. 2,027,838; Jan. 14.
Switch for electric lamp sockets, Electric. T. Finizie and G. H. Mivoll. 2,027,583; Jan. 14.
Switch operating apparatus, Railway. H. L. Bone. 2,027,512; Jan. 14.
Sylviculture machine. F. Welsmüller. 2,027,502; Jan. 14.
Synchronizing device for machine guns on aircraft. J. Neal. 2,027,755; Jan. 14.
Table: *See*—
Collapsible bridge table. Folding table.
Tabulating device. E. C. Stickney. 2,027,565; Jan. 14.
Tag marking machine, Power driven. F. W. Laescher. 2,027,736; Jan. 14.
Tamping apparatus. N. D. Levin and E. F. Muller. 2,027,991; Jan. 14.
Tap, Collapsible. F. Nell. 2,028,075; Jan. 14.
Tap washer. H. Cohen. 2,027,869; Jan. 14.
Tar and bituminous schist oils with recovery of by-products, Cracking. L. Boulanger and F. Emsens. 2,027,464; Jan. 14.
Teakettle, Electric. E. H. Kircher. 2,027,537; Jan. 14.
Telephone set. H. F. Obergfell. 2,027,549; Jan. 14.
Telephone system. H. M. Bascom and O. A. Friend. 2,027,483; Jan. 14.
Telephone system. E. M. Braselton. 2,027,465; Jan. 14.
Temperature control apparatus. L. Smede. 2,027,405; Jan. 14.
Tent, Automobile dressing beach. R. V. Rideout. 2,027,561; Jan. 14.
Tent, Collapsible shade. B. E. Kapp. 2,027,964; Jan. 14.
Terminal end for coiled springs. A. H. Floreth. 2,028,122; Jan. 14.
Testing apparatus. A. Y. Dodge and R. J. Stair. 2,027,580; Jan. 14.
Therapeutic agent. H. S. Diehl. 2,027,722; Jan. 14.
Thermostatic valve. E. J. TePas. 2,027,458; Jan. 14.
Thiazole compounds, Preparation of. E. E. Beard and W. L. Rintelman. 2,028,118; Jan. 14.
Thread, Conditioning artificial. H. Hofmann. 2,027,911; Jan. 14.
Threads, filaments, ribbons, and the like, Production of artificial. H. Drayfus. 2,027,419; Jan. 14.
Tire, Vehicle. A. H. Nellen. 2,028,006; Jan. 14.
Tire building apparatus. W. C. State, M. Lammertse, and C. R. Gardner. 2,028,078; Jan. 14.
Tire changing machines, Attachment for. H. J. Bernhard. 2,027,626; Jan. 14.
Tire combination rail and highway unit, Pneumatic. W. B. Fageol. 2,027,684; Jan. 14.
Tire grooving machine. R. N. Pendleton and R. H. Hodge. 2,027,490; Jan. 14.
Titanium oxalate, Preparing basic. B. F. W. Crundall. 2,027,812; Jan. 14.
Tone bar. C. T. Schrickel. 2,027,987; Jan. 14.
Tool: *See*—
Cultivating tool. Striping tool.
Furrier's cutting tool.
Tool support for turret lathes, Supplementary. M. S. Curtis. 2,027,901; Jan. 14.
Toothbrush. S. Braunstein. 2,028,042; Jan. 14.
Tooth brush receptacle, Sterilizing. M. T. Hanke. 2,027,428; Jan. 14.
Tooth extracting implement, Dentist's. S. T. Caruso. 2,027,476; Jan. 14.
Torque transmitting mechanism. S. P. Watt. 2,027,798; Jan. 14.
Toy, Figure. F. Anderson. 2,027,759; Jan. 14.
Traffic controlling apparatus, Railway. E. M. Allen and H. S. Young. 2,027,715; Jan. 14.
Trailer hitch connection. A. M. Allan. 2,027,852; Jan. 14.
Transformer, Electric. C. H. Howard and C. D. Miller. 2,027,503; Jan. 14.
Transmission. E. Lapsley. 2,027,442; Jan. 14.
Tray, Flexible metal freezing. H. D. Geyer. 2,028,059; Jan. 14.
Tray, Ice. A. C. Smith. 2,027,754; Jan. 14.
Tray, Refrigeration ice. A. B. Cole. 2,028,047; Jan. 14.
Trays or the like, Making plywood. C. B. Norris. 2,028,076; Jan. 14.
Tripping device, Emergency. D. F. Warner. 2,027,848; Jan. 14.
Trolley car. S. S. Matthes. 2,027,604; Jan. 14.
Truck, Ice handling. C. A. Smith. 2,028,023; Jan. 14.

Truck. J. A. Lamont. 2,027,539; Jan. 14.
Tube base and socket. J. Hirmann. 2,027,790; Jan. 14.
Tube closing and clip attaching machine, Automatic. F. J. Stokes. 2,027,792; Jan. 14.
Tube splicer. W. J. Broth and M. Hagler. 2,027,554; Jan. 14.
Tube welding machine. D. C. McGuire. 2,027,607; Jan. 14.
Two-color ribbon machine. C. W. Burtty. 2,027,515; Jan. 14.
Typewriting machine. H. A. Avery. 2,027,508-9; Jan. 14.
Undergarment. A. M. Reis. 2,027,987; Jan. 14.
Unitary wire connector. J. Blackburn. 2,027,415; Jan. 14.
Vacuum breaker valve. K. A. Fredrickson. 2,028,101; Jan. 14.
Vacuum switch. W. K. Rankin and C. D. Hayward. 2,027,826; Jan. 14.
Valve: *See*—
Automatic release valve. Countertalancing valve.
Bottle filling valve. Thermostatic valve.
Breather valve. Vacuum breaker valve.
Check valve.
Valve. F. N. Becker. 2,027,762; Jan. 14.
Valve. J. B. Hoff. 2,027,978; Jan. 14.
Valve. W. D. La Mont. 2,028,096; Jan. 14.
Valve assembly, Collector main. C. V. McIntire. 2,027,548; Jan. 14.
Valve operating mechanism. W. B. Atchisson. 2,027,363; Jan. 14.
Vehicle body and hoist structure. C. G. Eisenberg, Jr. 2,027,421; Jan. 14.
Vehicle coupling, Flexible and resilient. L. B. Lobbers. 2,027,990; Jan. 14.
Vehicle driver's permit and registration card holder, Motor. J. Chachie. 2,027,676; Jan. 14.
Vehicle heating and cooling system, Motor. B. C. Horton. 2,028,089; Jan. 14.
Vehicle, Spring-supported. R. D. Kneale. 2,027,918; Jan. 14.
Vending device. E. P. Hirst. 2,027,432; Jan. 14.
Vent plug, Nonspill. J. L. Woodbridge. 2,028,113; Jan. 14.
Ventilated buffing wheel. B. W. Hall. 2,027,868; Jan. 14.
Ventilator. W. J. Montgomery. 2,027,647; Jan. 14.
Ventilator. W. J. Montgomery. 2,027,745; Jan. 14.
Vertical double action pump. D. Heftye. 2,028,007; Jan. 14.
Wagon, Coaster. J. B. Eck. 2,027,522; Jan. 14.
Wall structure. W. J. Thilborger. 2,027,493; Jan. 14.
Washer: *See*—
Tap washer.
Water, Apparatus for the purification of. P. R. Giraud. 2,027,476; Jan. 14.
Water cooling apparatus for engines. E. W. Shull. 2,027,880; Jan. 14.
Water closet. J. M. Trahan. 2,028,027; Jan. 14.
Water from vaporous mixtures containing aliphatic anhydrides, Removing. H. Dreyfus. 2,027,439; Jan. 14.
Water purifying mechanism. J. B. Wallace. 2,027,561; Jan. 14.
Water reclaimer. V. P. McVoy. 2,027,895; Jan. 14.
Wave motor. H. A. Franklin. 2,028,056; Jan. 14.
Web cutting mechanism for printing machines. A. M. Zuckerman. 2,027,412; Jan. 14.
Web roll tensioning device. J. A. Isbell and C. L. Ricata. 2,027,600; Jan. 14.
Weed puller. E. T. Hardy. 2,027,778; Jan. 14.
Well drilling apparatus, Rotary. A. E. Johnson. 2,027,724; Jan. 14.
Well-point. T. P. Moore. 2,027,896; Jan. 14.
Wheel: *See*—
Buffing wheel. Vehicle wheel.
Metal wheel. Ventilated buffing wheel.
Pneumatic railway wheel.
Wheel and making the same, Resilient. H. F. Schippel. 2,028,015; Jan. 14.
Wheel and tire lock, Vehicle. J. H. Gray. 2,027,723; Jan. 14.
Wheel and tire, Railway vehicle. J. Ledwinka. 2,027,759; Jan. 14.
Wheel rim. H. J. van Rooyen. 2,028,020; Jan. 14.
Wicket. H. Sklar. 2,028,106; Jan. 14.
Wind angle indicator. A. E. Pierce, Jr. 2,027,613; Jan. 14.
Wind screen. C. P. Carletti. 2,027,730; Jan. 14.
Window. D. A. Boligman. 2,027,556; Jan. 14.
Window sash fastener. C. V. Bumb. 2,027,514; Jan. 14.
Window, Sashless sliding. F. McM. Sawyer. 2,027,718; Jan. 14.
Windshield cleaning device. G. A. Barker. 2,027,505; Jan. 14.
Wiper for adhesive-applying implements. D. E. Anderson. 2,027,461; Jan. 14.
Wiper, Windshield. J. W. Andersen and T. J. Sawhill. 2,027,582; Jan. 14.
Wiping blade, Windshield. L. R. Godown. 2,027,572; Jan. 14.
Wire drawing die. H. R. Ridgway and R. L. Doby. 2,027,787; Jan. 14.
Wire or the like, Means for binding. H. W. Morris. 2,027,746; Jan. 14.
Wire screen cloth, Woven. J. H. Holtzapple. 2,027,775; Jan. 14.
Wood pulp adapted for chemical use. E. L. Stern. 2,028,060; Jan. 14.
Wrench: *See*—
Stud bolt wrench.
Zinc sulphide, Manufacture of. S. Kremen. 2,027,440; Jan. 14.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 14, 1936

NOTE.—First number—class, second number—subclass, third number—patent number

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178: 2,027,898
181: 2,027,471
224: 2,027,982
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211: 2,027,371
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Patents Nos. 2,028,128 to 2,028,787

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Adjudicated Patents

(C. C. A. N. Y.) Kettering patent, No. 1,272,058, for ignition system, claims 5, 11, 12, and 28 to 30 *Held* not contributorily infringed. *General Motors Corporation* v. *Preferred Electric & Wire Corporation*, 79 F.(2d) 621.

(C. C. A. N. Y.) Ratcliff patent, No. 1,808,165, for circuit-breaker, claims 3, 6 to 9, and 12 *Held* not contributorily infringed and claims 6, 9, and 12 *Held* invalid. *Id.*

(C. C. A. N. Y.) De Forest patent, No. 1,507,016, for radiosignaling system, claims 24 to 28 *Held* not infringed. *Radio Corporation of America* v. *Andrea*, 79 F.(2d) 626.

(C. C. A. N. Y.) De Forest patent, No. 1,507,017, for wireless telegraph and telephone system, claims 15 and 17 to 21 *Held* not infringed. *Id.*

(C. C. A. N. Y.) Berkdoll patent, No. 1,556,901, for ignition device, claims 1 to 4 *Held* invalid. *General Motors Corporation* v. *Preferred Electric & Wire Corporation*, 79 F.(2d) 621.

(C. C. A. N. Y.) Kroeger patent, No. 1,567,207, for ignition apparatus, claim 3 *Held* invalid. *Id.*

(C. C. A. N. Y.) Kroeger patent, No. 1,593,329, for ignition apparatus, claim 1 *Held* invalid and not contributorily infringed. *Id.*

(C. C. A. Del.) Miller patent, No. 1,756,000, for piezo-electric oscillation generator, *Held* invalid. *Miller* v. *National Broadcasting Co.*, 79 F.(2d) 637.

(C. C. A. Wis.) Woolery patent, No. 1,807,367, for railway belt tightener, claims 1, 2, 8, 10, 14, 16, and 22 *Held* valid and infringed. *Nordberg Mfg. Co.* v. *Woolery Mach. Co.*, 79 F.(2d) 635.

(C. C. A. N. Y.) Pollak and Ostersetzer patent, No. 1,854,600, for condensation product and method of making same, claims 1 to 3, and 5 *Held* valid and infringed. *Catalin Corporation of America* v. *Catalinault Mfg. Co.*, 79 F.(2d) 583.

(C. C. A. N. Y.) Kindl reissue patent, No. 18,276, for ignition timer, claims 1 to 4 *Held* not contributorily infringed. *General Motors Corporation* v. *Preferred Electric & Wire Corporation*, 79 F.(2d) 621.

Trade-Mark Registrations Canceled

96,822. Beer. Conrad Seipp Brewing Company, Chicago, Ill. Registered August 4, 1914. Canceled December 28, 1935.

208,018. Canned corn. The Witman-Schwarz Corp., Harrisburg, Pa. Registered September 8, 1925. Canceled December 20, 1935.

218,001. Stomach or indigestion tablets. Harry Le Roy Miller, Washington, Pa. Registered September 14, 1926. Canceled December 20, 1935.

230,190. Sugar-cane food syrup. Meeker Sugar Refining Company, Chicago, Ill., and Meeker, La. Registered December 4, 1928. Canceled December 20, 1935.

232,191. Fresh citrus fruits. San Dimas Foothill Association, Ltd., San Dimas, Calif. Registered April 12, 1932. Canceled December 28, 1935.

232,192. Fresh citrus fruits. San Dimas Foothill Association, Ltd., San Dimas, Calif. Registered April 12, 1932. Canceled December 28, 1935.

307,721. Ice cream cones and frozen confections sold in cups. Hydrox Corporation, Chicago, Ill. Registered October 31, 1933. Canceled December 20, 1935.

Communications to the Patent Office

RULE 8. A separate letter should in every case be written in relation to each distinct subject of inquiry or application. Assignments for record, final fees, and orders for copies or abstracts must be sent to the Office in separate letters.

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE CARLSON AND STITT

No. 1,822. Decided November 21, 1938

1. AFFIDAVIT UNDER RULE 75 BY ONE OF JOINT APPLICANTS.
   The fact that an affidavit under Rule 75 is signed by only one of two joint applicants, *Held* not to prevent its use under this rule where a suitable excuse has been given for the failure of the other applicant to sign.

2. SAME—REDUCTION TO PRACTICE NOT ESTABLISHED BY MAKING OF PARTS WITHOUT ASSEMBLAGE HERE.
   Affidavit under rule 75 to the effect that one of the joint applicants for patent on a design made one part thereof and the other joint applicant made the remainder thereof *Held* insufficient to establish reduction to practice of the design, where there is nothing in the affidavit which states or even suggests that they combined their conceptions before the date of filing their application.

3. DESIGN—CLOCK CASE.
   Claim for design for a clock case *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Clarence M. Fisher and *Mr. W. B. Morton* for Carlson and Stitt.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.*:

The appellants applied to the United States Patent Office for a patent on a design for a clock case, on March 14, 1933. The drawing discloses a unitary design of a base and round bodied clock case, the case being surmounted by a small knob-shaped projection. The novel features particularly relied on are the elongated rectangular base, and a clock face consisting of a convex projecting glass, surrounded by a band conforming with the general curve of the glass, and which front band or support for the glass extends slightly beyond the sides of the clock.

The Primary Examiner rejected the claim and cited several references, as follows: Item 46-F-1119, page 271, catalog No. 112, Montgomery Ward & Company, year 1930. (Design) Sessions, 75,078, May 1, 1928. (Design) Whitehead, 77,848, Dec. 25, 1928. (Design) Morgan, 19,869, June 3, 1890. Also (Design) Carlson 80,169, Feb. 7, 1933, is cited under the authority of *Ex parte Mosey*, 1931, C. D. 115.

Following the decision of the Examiner, and an appeal to the Board, an affidavit under rule 75, Rules of Practice, United States Patent Office, was filed with the purpose of overcoming the Montgomery Ward & Company catalog reference. This affidavit is as follows:

STATE OF CONNECTICUT,
County of Hartford, Bristol, ss:

Elof L. Carlson, being duly sworn, deposes and says that he is one of the applicants who filed the above-entitled application and that he is the same Elof L. Carlson who, on August 21, 1930, filed a design application for a Clock Case, which application was given Serial No. D-56723;

That the clock case forming the subject matter of his sole application, Serial No. D-56723, and which is the case shown in the present application, was reduced to practice in this country prior to January 15, 1930, the date on which the Montgomery Ward Catalog No. 112 was issued;

That the clock case attached hereto and identified as "Exhibit A" was one of the clock cases produced in accordance with his invention prior to January 15, 1930;

That he does not know and does not believe that the clock case shown in this application and in his prior application, Serial No. D-56723, has been in public use or on sale in this country or patented or described in a printed publication in this or any foreign country for more than two years prior to the filing of his aforesaid application, Serial No. D-56723, and that he has never abandoned the invention;

That when the design for the clock case attached hereto was invented and at the present time he was and is in the employ of The E. Ingraham Company;

That prior to September 25, 1930, Charles P. Stitt, his co-applicant in this application, was in the employ of The E. Ingraham Company;

That the aforesaid Charles P. Stitt is not now and has not for some time past been in the employ of The E. Ingraham Company and that he does not know the present whereabouts of the said Charles P. Stitt and is informed and believes that the officials of The E. Ingraham Company, his assignee, do not know his present whereabouts;

That a design such as is disclosed by the clock base attached hereto and marked "Exhibit B" was shown to him by the aforesaid Charles P. Stitt prior to January 15, 1930, the date on which the Montgomery Ward Catalog No. 112 was issued;

That he is informed and believes that the clock base attached hereto and marked "Exhibit B" was produced in accordance with the invention of the aforesaid Charles P. Stitt prior to January 15, 1930;

And that he does not know and does not believe that the design of the clock base attached hereto and which formed the subject matter of an application filed by the aforesaid Charles P. Stitt on September 25, 1930, Serial No. D-57069, has been in public use or on sale in this country or patented or described in a printed publication in this or any foreign country for more than two years prior to the filing of the aforesaid Stitt application, Serial No. D-57069.

ELOF L. CARLSON.

The application was then remanded to the Primary Examiner, under the provisions of rule 138, for further report.

[1] The Examiner held that the affidavit was not sufficient, giving as one of his grounds therefor, that one of the joint inventors had neither signed the affidavit, nor furnished a statement of the reason why he failed to sign it. He then considered the Montgomery Ward & Company reference, and rejected the claim on all the references cited. On appeal on the merits to the Board of Appeals, the Board held that said affidavit should have been considered, that a suitable excuse had been given for the failure of Stitt to sign, and that the fact that it was signed by one inventor only did not prevent its being used under rule 75.

In this particular holding, we conclude that the Board of Appeals was not in error. It is in conformity with the apparent intent of said rule 75. To rule otherwise would prevent one joint inventor, when the other is deceased or cannot be found, from having the benefit of this salutary provision of the rules of the Patent Office.

It appears from the record that the design for the body of the clock was the invention of the appellant, Carlson, and was the subject of a design application of Carlson, filed in the Patent Office August 21, 1930. The design for the base was the invention of the appellant Stitt, and was the subject of a design application, filed in the Patent Office on September 25, 1930. These applications were, respectively, rejected by the Examiner, and were afterwards abandoned upon the filing of the joint application.

The models which are referred to in the affidavit were models of these respective inventions.

After the Board of Appeals had held that the absence of the signature of Stitt to the affidavit under rule 75 did not prevent the use of the affidavit under that rule, the Board went further and held that the affidavit, in connection with the models of the respective inventions of Carlson and Stitt which had been produced, did not show a complete reduction to practice of the invention in issue here, "(as contemplated by the rule) since the parts which it is alleged constitute the prior applications do not make the design of the instant application when they are assembled because they do not fit together properly."

Having found this to be true, the Board considered the Montgomery Ward & Company catalog design as a proper reference.

The Montgomery Ward reference shows a page of a catalog on which appears the reference, Item 46-F-1119. The Board of Appeals also referred to another item on the same page, known as Item 46-F-1151, which was considered by it to be a proper reference.

The present application was rejected on these Montgomery Ward & Company catalog references, together with the other references cited, except the Carlson patent, No. 89,103, which was held by the Board not to be a proper reference.

[2] Rule 75 of the United States Patent Office provides that when an original application for patent is rejected on a printed publication, "the applicant shall make oath to facts showing a completion of the invention * * *." From this statutory language it is necessary, in an affidavit under this rule, to show that the applicants, Carlson and Stitt, had completed their invention, namely, the design in question here, before the publication in the catalog of Montgomery Ward & Company. This being a joint application, it follows that the invention or design must have been the joint product of the applicants, and not the individual product of one or the other. There is nothing in this affidavit which states, or even suggests, that Carlson and Stitt, working jointly, combined their conceptions of a design for a base and a clock case before the date of filing of their joint application. All they did, according to this record, was the production of a design for a base by Stitt, and the design for a case by Carlson. In attempting to swear back of the reference, under rule 75, Carlson presents certain exhibits which he contends show the unitary design. However, when these physical exhibits are placed together, they do not show the unitary design which is disclosed in their joint application. It seems quite obvious, therefore, that they have failed to comply with the conditions of the rule which requires the proof of the completion of the invention before the date of the reference publication.

We come now to a consideration of the references, and as to whether the design of the appellants finds anticipation in the prior art, as shown by the references.

[3] The designs in the reference Montgomery Ward & Company catalog are designs of clocks, constructed with bases, round bodies, and small knobs upon the top thereof, and resemble, in a very noticeable degree, the design here shown by appellants. In some small details, on close examination, differences appear. However, the general impression upon the mind of one who looks at the illustrations is the same. The only feature which it seems is distinctive in the present application over the Montgomery Ward references, is the bulging, or convex glass front. This is an old feature, and has been many times used in clock faces, as is shown by the Whitehead reference. It is not every small change in construction which entitles an applicant to a design patent. There must be invention, and we are unable to perceive wherein the present design shows invention over the references cited.

We, therefore, affirm the decision of the Board of Appeals.

Affirmed.

U. S. Court of Customs and Patent Appeals

PENNSYLVANIA PETROLEUM COMPANY

v.

THE PENNZOIL COMPANY

No. 3,492. Decided November 25, 1935

1. TRADE-MARKS—SIMILARITY—"PENCOIL" AND "PENNOIL".

The mark "Pencoil" *Held* confusingly similar to previously registered mark "Pennoil".

2. SAME—CANCELLATION PROCEEDING—REGISTRANT'S RIGHT TO USE MARK, NOT INVOLVED.

Statutory proceeding to cancel a trade-mark registration, on ground that same was improperly granted and that petitioner is a person injured by said registration, *Held* to go no further than a determination of that matter and not to be determinative of registrant's right to use the mark.

3. SAME—SAME—SAME.

In the strictly statutory proceeding brought by petitioner for cancellation of a trade-mark registration, equities arising under the common law rights of the parties or under other facts showing laches or establishing estoppel which would move a court of equity to prevent entrance of petitioner into registrant's chosen field, *Held* not important.

4. SAME—SAME—LACHES.

Alleged laches on the part of petitioner for cancellation of a trade-mark registration, in delaying assertion of its rights, while knowingly permitting registrant to use its mark in its restricted area for a long period of time without objection, *Held* unavailable to registrant as a defense in cancellation proceedings.

APPEAL from the Patent Office. Affirmed.

Messrs. Parkinson & Lane, Mr. Wallace R. Lane, Mr. William S. Hodges, and *Mr. George Mentz* for Pennsylvania Petroleum Co.

Mr. John S. Powers and *Mr. Joseph W. Millers* for The Pennzoil Co.

GRAHAM, *P. J.*:

On October 15, 1929, The Pennzoil Company, a corporation organized under the laws of the State of California, and having its principal place of business at Los Angeles, filed its petition in the United States Patent Office for cancellation of the appellant's trade-mark, under section 13 of the Trade-Mark Act of February 20, 1905, as amended, U. S. Code, title 15, section 122. The mark sought to be

cancelled was the word "Pencoil," which was duly registered by the appellant, Pennsylvania Petroleum Company, of Kansas City, Missouri, on August 21, 1923, No. 172,050, on an application filed August 19, 1921.

The said registration application recited that the appellant had adopted and used the said trade-mark for motor lubricating oil continuously since about May 15, 1921. The petitioner alleged, as grounds for cancellation, that it had been originally incorporated under the laws of the State of California, in October, 1918, as Panamint Lubricants Company, and that its name had been changed in September, 1921, to The Pennzoil Company; that it had been engaged, from its inception, in the manufacture and sale of motor lubricating oils and other hydrocarbon products; that on or about December 28, 1915, it had adopted the word "Pennzoil" as a trade-mark for lubricants, since which time the said trade-mark has been continuously used upon motor lubricating oils and greases, and other hydrocarbon products sold in interstate commerce; that, on the first day of August, 1916, certificate of registration No. 111,750 was issued by the United States Patent Office to appellee's predecessor in title for its said trade-mark "Pennzoil," as used for and upon motor lubricants; that the petitioner is now the owner of said registration and trade-mark, and has been continuously engaged in the sale of motor lubricants under said mark since said registration, and has not abandoned the said mark; that great sums of money have been expended by the petitioner for advertising its said mark and oil; that it has been, and is being, greatly damaged by the said registration No. 172,050, hereinbefore mentioned, to wit, the registration to the appellant, on August 21, 1923, of the alleged trade-mark "Pencoil."

In connection with its proof, the petitioner has caused to be inserted in the record two trade-mark registrations, one to the Panama Lubricants Company, consisting of the word "Pennzoil," registered August 1, 1916, on an application filed January 12, 1916, for use on lubricants in class No. 15, Oils and greases, and a registration issued to The Pennzoil Company on October 23, 1928, consisting of the word "Pennzoil" superimposed upon a representation of a bell, alluded to in the record as a Liberty Bell, which said trade-mark was used upon motor fuel oils and lubricating oils and greases, and which it was alleged had been used continuously since December 28, 1915.

In its answer to the petition for cancellation, the respondent denied damage generally, denied identity or confusing similarity of the marks "Pencoil" and "Pennzoil" and denied confusion as to origin caused by the use of said marks. It also denied any knowledge of the use by the petitioner of the trade-mark "Pennzoil" at the time respondent adopted its mark "Pencoil," alleged that both the marks "Pencoil" and "Pennzoil" included words of geographic and descriptive significance which all dealers might use alike, and further alleged that the petitioner had known, for many years, of the respondent's use of its trade-mark "Pencoil" and permitted it to use large sums of money in advertising, was informed of its registration of its mark, and made no protest against the same, and by its acquiescence had lost any right it had, because of laches, to maintain this action for cancellation. As to the prior use by petitioner of its mark "Pennoil," the respondent prayed proof and denied knowledge.

It seems fully established by the record that the petitioner and its predecessor in title, Panama Lubricants Company, has been using the name "Pennoil" upon motor lubricants since shortly after the date of its first registration on August 1, 1916, in interstate commerce, and was using the same at the time of said registration, and that it was, at that time, and has continued to be, the owner of said mark.

On the part of the appellant, it is claimed that use of its mark "Pencoil" upon the same class of materials began in Kansas City and the surrounding territory in 1918, and that since that time the use of its mark has been gradually extended through the territory comprising the States of Wisconsin, Illinois, Iowa, Arkansas, South Dakota, Nebraska, Kansas, Oklahoma, Texas, Wyoming, Colorado, Utah, and New Mexico. We find no testimony in the record to conflict with the claim made by the petitioner for cancellation that it was using its mark "Pennoil" on motor lubricants prior to any date on which the appellant was using its mark "Pencoil" upon similar products.

The Examiner of Interferences held that the respondent had failed to establish any use of its mark earlier than the date alleged in its registration, namely, May 15, 1921; that the words "Pennoil" and "Pencoil" are confusingly similar; that the registration of the Liberty Bell in connection with this mark does not substantially lessen the likelihood of confusion; that registrations alleged by the respondent of marks issued to third persons, said to contain certain of the features common to the involved marks, could not be considered; that the rights of an earlier user of a registered trade-mark, under the Trade-mark Act of February 20, 1905, are not adversely affected by a later use of a similar mark by another in an entirely different section of the country; and that the petitioner was not barred from asserting his rights by reason of laches or delay. Accordingly, the Examiner of Interferences sustained the petition for cancellation.

The Commissioner, on appeal, followed the reasoning of the Examiner, in the main, and affirmed the same. In addition to the suggestions made by the Examiner, the Commissioner passed upon one contention, namely, that inasmuch as this petition was filed in the Patent Office on the same day that an equity suit was initiated in the United States District Court, in the Western District of the Western Division of Missouri, proceedings in the Patent Office should be suspended until the equity proceeding might be heard. The Commissioner was of opinion that this claim was not properly made, and that the Patent Office might and should proceed to a con-

clusion of the cancellation proceeding. The Commissioner also held, in answer to the argument of the respondent, that any person who deems himself injured has the right to file a petition for cancellation. This point is not pressed by appellant here.

The respondent appeals, and here urges some of the questions which have been determined below. We understand, from the record and briefs of counsel, that it is practically conceded that the appellee, The Pennzoil Company, was first in the field, and that its name "Pennzoil" had been registered as a trade-mark, and had been used in interstate commerce upon motor lubricants long prior to the entrance of the appellant into the field, with its mark "Pencoil." Neither is it denied that the goods are of the same descriptive properties. Therefore, the first question for determination is, are the marks "Pencoil" and "Pennzoil" confusingly similar, when applied to the same products?

[1] Of this we can have no doubt. While the words are spelled somewhat differently, one using a "c" and the other a "z", they may be, and doubtless are, often pronounced the same. They must be considered to be confusingly similar in appearance. As we have said in a recent case, *Derby Oil Co. v. White Star Refining Co.*, 20 C. C. P. A. (Patents) 816, 62 F.(2d) 264, 429 O. G. 75:

> * * * We may take judicial knowledge that, in our day the goods of appellant and appellee are retailed, almost exclusively, at service and filling stations. Modern traffic moves rapidly. The customer desiring to purchase these goods is attracted to symbols or signs on service stations and pumps, which he has associated with the goods he ordinarily buys. A white star upon the target of a pump, or upon a service station, will attract his attention, and, in our judgment, a lettered monogram upon its face, or the nature of its background, will not distinguish it sufficiently to prevent mistakes and confusion. * * *

The presence of a representation of a bell upon one of the marks does not alter this conclusion. The word is the dominant feature of the mark.

We agree, therefore, with the tribunals of the Patent Office that the marks were and are confusingly similar.

At the time the predecessor in title of the appellee presented its mark "Pennzoil," on January 12, 1916, and at the time it obtained registration on August 1, 1916, it was using said mark as a mark for motor lubricants, and was the undoubted owner of that mark. The appellant had not then entered the field with its mark. The appellee was, therefore, entitled to registration, under the law, and its trade-mark carried with it a monopoly, so far as it goes, no less complete than does a patent. *United Shoe Mach. Corp. v. Compo Shoe Mach. Corp. et al.*, 19 C. C. P. A. (Patents) 1009, 56 F.(2d) 292, 421 O. G. 4. The mark not having been abandoned, and having been in continuous use, was still valid and in full effect when the appellant entered the field. Therefore, if the marks of appellant and the appellee are confusingly similar, and applied to goods of the same descriptive properties, the appellant was not entitled to registration of its mark "Pencoil" under the provision of section 5 of said Trade-mark Act of February 20, 1905, as amended.

[2] The proceeding which is now before us is not a proceeding seeking to deprive the appellant of the right to use his trade-mark. It is a statutory proceeding to cancel a trade-mark registration which carried with it the *prima facie* presumption of the exclusive right to use the trade-mark which had been registered. Our decision, and the decision of the Patent Office, goes no further than to determine that matter. Such common law rights as the appellant has to use its mark in the limited territory which it now claims, is a matter for another forum and is not within our jurisdiction here. The statute, section 18, *supra*, permits the cancellation of a registration when the same was improperly granted, and when it appears that the petitioner is a person injured by the said registration.

[3] If it be conceded that this record shows that the appellant, not knowing of appellee's registration, registered its mark and built up a trade for itself of goods bearing this mark, in a limited territory prior to the entrance of the appellee thereinto, we are unable to discern wherein such fact is of importance in this proceeding. There may be equities arising under the common law rights of the parties, or under other facts showing laches, or establishing estoppel, which would move a court of equity to prevent the entrance of the appellee into appellant's chosen field. If so, these equities are not important in this strictly statutory proceeding. It is sufficiently apparent that the registration of appellant's mark "Pencoil" ought to be cancelled, because of the matters suggested above. The appellee calls attention to the cases of *Hanover Star Milling Co. v. Metcalf*, 240 U. S. 403, 224 O. G. 1407, and *United Drug Co. v. Theodore Rectanus Co.*, 248 U. S. 90, 257 O. G. 1062, as authority for its contention that appellant should be permitted to continue its use of its mark in a limited area, and as a reason why its registered mark should not be cancelled. In both these cases cited, the questions decided were under the common law, and in both cases it was noted that there were no registrations under the Trade-mark Act of February 20, 1905, as amended, which could be considered as elements in the case.

That such authorities are not ruling in proceedings such as the one now before us, is well pointed out by the Court of Appeals of the District of Columbia in two cases, *Bell & Gunning Milling Co. v. Monmouth Springs Milling Co.*, 46 App. D. C. 243, 259 O. G. 153, and in *H. Kuhn & Sons v. Lotte*, 52 App. D. C. 296, 307 O. G. 785. It seems unnecessary to further comment on these two cases, as they fully answer the contentions made by appellant here, in this respect. This distinction between proceedings under the statute in trade-mark registration and cancellation proceedings, and those under the common law, should be constantly had in mind. *Shoe-man Packers Assn. v. Pacific Northwest Canning Co.*, 18 C. C. P. A. (Patents) 702, 45 F.(2d) 912, 425 O. G. 515; *Hoyer Products Co. v. Polk Miller Prod. Corp.*, 18 C. C. P. A. (Patents) 1106, 47 F.(2d) 903, 409 O. G. 942; *California Packing Corp. v. Tillman & Bendel, Inc.*, 17 C. C. P. A. (Patents) 1046, 1056, 40 F.(2d) 168, 396 O. G. 788.

[4] The delay of the appellee in asserting its alleged rights is said to constitute laches and to create a perfect defense against this petition. It is argued that the appellee knowingly permitted the appellant to use its mark in its restricted area for a long period of time, without objection. Such claimed laches has been held by us in several cases to be unavailable as a defense in cancellation proceedings in the Patent Office. *Olmsti, Peabody & Co. (Inc.) v. Samuel Hariogenais*, 17 C. C. P. A. (Patents) 1160, 41 F.(2d) 94, 393 O. G. 707; *Olmsti, Peabody & Co. (Inc.) v. Denver M. Wright*, 18 C. C. P. A. (Patents) 937, 43 F.(2d) 711, 402 O. G. 851; *The Procter & Gamble Co. v. J. L. Prescott Co.*, 22 C. C. P. A. (Patents) 1173, 77 F.(2d) 93, 459 O. G. 673; *Heyer Products Co. v. Polk Miller Prod. Corp.*, *supra*.

It is well settled that prior registrations by other parties will not be considered as a defense in such proceedings. *Federal Mill & Elevator Co., Inc., v. Pillsbury Flour Mills Co.*, 18 C. C. P. A. (Patents) 1253, 49 F.(2d) 1042, 412 O. G. 4; *Weyenberg Shoe Mfg. Co. v. Hood Rubber Co.*, 18 C. C. P. A. (Patents) 1449, 49 F.(2d) 1046, 412 O. G. 334; *The Celotex Co. v. Millington*, 18 C. C. P. A. (Patents) 1494, 49 F.(2d) 1068, 413 O. G. 279; *Sharp & Dohme v. Parke, Davis & Co.*, 17 C. C. P. A. (Patents) 842, 37 F.(2d) 980, 394 O. G. 545.

We are of opinion that the decision of the Commissioner of Patents is without error, and it is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

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1,307,734, A. V. Gullborg, Lubricating means; 1,475,980, O. Zerk, Lubricating apparatus, appeal filed Nov. 29, 1935, C. C. A., 9th Cir., Doc. 10,524, *H. Dysthe et al. v. Alemite Corp.*

1,329,283, 1,336,695, H. D. Arnold, Thermionic amplifier; 1,349,252, same, Method of and means for utilizing thermionic currents; 1,403,475, same, Vacuum tube circuit; 1,465,332, same, Vacuum tube amplifier; 1,468,550, same, Thermionic amplifier circuit; 1,520,994, same, Electron discharge amplifier; 1,453,962, D. W. Kendall, Electrical receiving or repeating apparatus and the method of operating same; 1,492,695, D. G. Bartlett, Amplifying with vacuum tubes; 1,544,921, R. C. Mathes, Amplifier circuit, C. C. A., 8th Cir. (St. Louis), Doc. 10,345, *Western Electric Co., Inc., et al. v. Cinema Supplies, Inc., et al.* Decree reversed Nov. 21, 1935.

1,333,017, 1,453,286, 1,540,691, 1,871,510, W. A. Gibbs, Animal trap, filed Nov. 27, 1935, D. C., E. D. Pa., Doc. 9173, *W. A. Gibbs & Son, Inc., v. Animal Trap Co. of America.*

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1,356,763, R. V. Hartley, Oscillation generator; 1,403,932, E. H. Wilson, Electron discharge device; 1,447,778, Espenschied & Brown, Radio transmission control system; 1,465,332, H. D. Arnold, Vacuum tube amplifier; 1,520,994, same, Electron discharge; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,544,061, F. K. Vreeland, Transmitting intelligence by radiant energy; 1,309,322, P. H. Evans, Communication system; 1,390,302, W. Bunge, Arrangement for oscillation circuits; 1,396,760, F. B. Llewellyn, Modulating device; 1,906,162, E. A. Heising, Transmission system; Re. 18,579, Ballantine & Hull, Demodulater and method of demodulation; Re. 18,916, J. G. Acevs, Supply circuit for radio sets, filed Oct. 31, 1935, D. C., N. D. Calif. (San Francisco), Doc. E 3045–L, *Radio Corp. of America et al. v. Heintz & Kaufman, Ltd.*

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1,448,550. (See 1,329,283 and 1,350,752.)

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1,507,016. (See 1,350,752 and 1,356,763.)

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1,667,573, J. E. Turner, Fish smoking apparatus; 1,667,574, same, Art of smoking fish fillets, filed Nov. 23, 1935, D. C., S. D. N. Y., Doc. E 81/373, *A. J. Turner et al. v. The Meyer & Thompson Co., Inc.* Doc. E 81/374, *A. J. Turner et al v. The Thompson Co., Inc.*

1,667,574. (See 1,667,573.)

1,680,394, H. G. Lykken, Pulverizer; 1,728,423, same, Fuel pulverizer; 1,753,437, same, Material reducing and means therefor; 1,760,245, same, Device for reducing and feeding reduced materials; 1,807,923, same, Material treating device; 1,838,580, same, Reducing mill, filed Nov. 20.

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1,753,437. (See 1,680,894.) 1,760,248. (See 1,680,894.)

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1,964,998, 1,987,404, Des. 80,826, A. C. Kerte, Velocipede, Des. 80,826, same, Coaster wagon, filed Nov. 25, 1935, D. C., E. D. Ill. (East St. Louis), Doc. E 4678, *Metalcraft Corp. v. Montgomery Ward & Co., Inc.*

1,968,665. (See 1,850,752.) 1,976,789. (See 1,491,789.)

1,983,498, Des. 83,652, P. H. Gans, Sachet powder container, filed Nov. 20, 1935, D. C., E. D. N. Y., Doc. E 81/359, *D. Lisner & Co., Inc., et al. v. I. Perlmutter.*

1,987,404. (See 1,964,998.)

1,994,984, E. De Orlew, Vehicle jacking structure; 2,013,918, T. J. Kelleher, Lifting jack, filed Nov. 30, 1935, D. C., N. D. Ohio, E. Div., Doc. E 5367, *T. J. Kelleher et al. v. Buckeye Jack Mfg., Inc.*

2,013,918. (See 1,994,984.)

Re. 17,131, O. S. Caesar, Heating apparatus for automotive vehicles; 1,684,900, C. B. Waters, Automobile circulation and heating system; 1,684,141, W. J. Butterfield, Fitting for automotive vehicle heater; 1,880,620, C. H. Will, Automobile heater and defroster therefor, D. C., N. D. Ohio, W. Div., Doc. E 1816, *Trepte-Aire, Inc., v. Lucas Mfg. Co. et al.* Dismissed without prejudice Nov. 29, 1935. Doc. E 1811, *Trepte-Aire, Inc., v. Lucas Mfg. Co. et al.* Decree as above.

Re. 17,245. (See 1,850,752.)

Re. 17,247. (See 1,850,752.)

Re. 17,337, F. Milliken, Lubricated valve; 1,915,661, same, Valve adapted to be lubricated, D. C., S. D. N. Y., Doc. E 76/313, *Milliken Valve Corp. v. American Car & Foundry Co.* Consent and order of discontinuance (ratio Nov. 20, 1935).

Re. 17,355. (See 1,850,752.)

Re. 18,579. (See 1,856,763.)

Re. 18,916. (See 1,856,763.)

Des. 80,826. (See 1,964,998.)

Des. 80,895. (See 1,964,998.)

Des. 98,652. (See 1,983,498.)

Des. 97,261. (See 1,436,062.)

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,905,850, J. J. Grebe and S. M. Stoessner, Synthetic lubricant and method of making same, decided January 2, 1936, claim 1.

Pat. 1,949,485, S. D. Livingston, Stroboscope, decided January 2, 1936, claim 1.

Reissue Pat. 18,673, Samuel Ruben, Electrostatic condenser, decided January 4, 1936, claims 1, 2, and 3.

Disclaimers

1,987,490.—*Albert S. Mathewson*, Bloomfield, N. J. ELECTRIC CONDENSER. Patent dated November 22, 1932. Disclaimer filed December 27, 1935, by the assignee, *Mallory Corporation.*

Hereby enters this disclaimer to chlorinated phenyl ether from the scope of claims 1 to 7, inclusive, of said patent.

1,918,095.—*Rudolph C. Garmeroon* and *Frederick Leonhold*, Appleton, Wis. PROCESS AND APPARATUS FOR MAKING PAPER. Patent dated July 11, 1933. Disclaimer filed December 26, 1935, by the assignee, *Paper Patents Company.*

Hereby enters the following disclaimers:

1. Disclaims from the scope of claim 1 of said patent any process in which the pressure between the rolls is insufficient to produce the result set forth in the specification.

2. Disclaims from the scope of claim 8 any apparatus which is not adapted to apply pressure sufficient to produce the result set forth in the specification.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 21, 1936

[VOL. 462. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 371,096. GREAT LAKES COAL & COKE CO., Chicago, Ill. Filed Nov. 2, 1935.

CARBO-COKE

★ PETROLEUM CARBON ★

LESS THAN A SHOVEL OF ASH TO A TON

The words "Coke", "Petroleum", "Carbon", "Less Than a Shovel of Ash to a Ton" are disclaimed apart from the mark. The drawing is lined for red.

For Fuel in Solid Form, Somewhat Resembling Coke Made from Coal, but Actually Prepared from a Petroleum By-Product.

Claims use since December, 1932.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 371,158. KARIS BROTHERS INCORPORATED, New York, N. Y. Filed Nov. 4, 1935.

THREE FEATHERS

For Ladies' Leather Bags and Purses.

Claims use since October, 1934.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 370,981. E. A. MEYER, doing business as Green Bay Soap Company, Green Bay, Wis. Filed Oct. 4, 1935.

WHITE QUEEN

For Soap, Soap Powders, and Household Cleanser, and Water Softener.

Claims use since 1898, on soap; since 1934, on soap powders; and since July 25, 1935, on cleansers.

Ser. No. 371,524. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Nov. 14, 1935.

TERGITOL

For Cleaning Compositions Used in the Textile, Leather, Cosmetic, and Other Industries Other Than for Laundries and Dry Cleaning Concerns, and Not Intended for Sale or Distribution to Supply Houses Dealing with These Industries.

Claims use since Dec. 18, 1934.

Ser. No. 371,613. WESTOCO PRODUCTS, INC., Kansas City, Mo. Filed Nov. 15, 1935.

YEAR CLEAR

The word "Clear" is disclaimed apart from the mark.

For Glass Cleaning Solutions.

Claims use since May 1, 1935.

Ser. No. 371,929. NORTON COMPANY, Worcester, Mass. Filed Nov. 23, 1935.

NORTON ABRASIVES

No claim is made to the word "Abrasives" apart from the mark.

For Oilstones, Abrasive Stones, Cleaning Stones, Sharpening Stones, Hones, Whetstones, Tool and Knife Sharpeners, Scythe Stones, Bench Stones, Axe Stones, Pocket Stones, Breaker Point Stones, Abrasive Engraving Points, Pencils and Stones, Razor Strops, Razor Strop Dressings, Abrading, Lapping, and Polishing Grains and Powders, Oilstone Wheels, Grinding Wheels, and Abrading, Lapping, and Polishing Stones and Wheels.

Claims use since Oct. 1, 1935.

Ser. No. 372,101. STEWART W. HUGHES, Chicago, Ill. Filed Nov. 29, 1935.

Rol-on

For Shaving Cream.

Claims use since June, 1935.

Ser. No. 372,109. LEVER BROTHERS COMPANY, Cambridge, Mass. Filed Nov. 29, 1935.

Gayla

For Detergent Compound for General Washing and Cleansing.

Claims use since Nov. 22, 1935.

Ser. No. 372,110. LEVER BROTHERS COMPANY, Cambridge, Mass. Filed Nov. 29, 1935.

Reward

For Detergent Compound for General Washing and Cleansing.

Claims use since Nov. 22, 1935.

CLASS 5

Adhesives

Ser. No. 371,270. THE PERFECT MFG. CO., doing business as So-Lo Works, Cincinnati, Ohio. Filed Nov. 6, 1935.

CAN-O WOOD

The words "Can" and "Wood" are disclaimed apart from the mark.

For Plastic Repair Material.

Claims use since Mar. 29, 1935.

Ser. No. 371,895. THE CASCO MANUFACTURING COMPANY OF ARKANSAS, INC., New York, N. Y. Filed Nov. 15, 1935.

CASCOTINE

For Glues.

Claims use since Aug. 15, 1935.

Ser. No. 371,925. HARRIMAN KORER COMPANY, Rochester, N. Y. Filed Nov. 16, 1935.



For Pasta.

Claims use since 1925.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 366,082. DERMA HERBAL COMPANY, Omaha, Nebr. Filed June 1, 1935.



The words "Derma" and "Ointment for the Skin" are not claimed apart from the mark. The drawing is lined for blue and orange.

For Skin Ointment.

Claims use since Feb. 1, 1935.

Ser. No. 366,790. ENGLAR M. FORD, Albany, N. Y. Filed June 5, 1935.

B.M.F.

For Hair Grower, Tetter Oil, Pressing Oil, Cold Cream, Lemon Cream, Hairdressing, and Waving Fluid.

Claims use since November, 1918.

Ser. No. 366,283. LA FRANCE TOLEDO CO., Toledo, Ohio. Filed June 17, 1935.

Nu-Wite

For Chemicals in the Nature of a Water Softener, Deodoriser, and Purifier, to be Mixed with Liquids to Improve the Cleansing Qualities of Said Liquids.

Claims use since July, 1932.

Ser. No. 368,844. SOUTH FLORIDA CHEMICAL CORPORATION, Miami, Fla. Filed July 1, 1935.



For Insecticides.

Claims use since Apr. 4, 1933.

Ser. No. 368,439. AMERICAN CHEMICAL AND COSMETIC MANUFACTURING, INC., Indianapolis, Ind. Filed Aug. 19, 1935.

ARTiSAN

For Cosmetics in Liquid, Cream, and Paste Form—Namely, Cleansing (Liquefying) Cream, Triple Whip Massage and Cleansing Cream, Corrective (Tissue) Cream, Corrective (Sebum) Cream, Skin Freshener, Astringent (Hot and Cold), Make-Up (Powder) Base, Powder, Special Astrein Tissue Oil Blend, Miracle Oil, Mixogen, Lipstick, Rouge, and Deodorant.

Claims use since May 3, 1935.

Ser. No. 368,762. PAUL PETER MÜLHENS, doing business as Eau de Cologne & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne, Germany. Filed Aug. 26, 1935.

Terci

For Eau de Cologne, Lavender Water, Hair and Mouth Washes, Perfumes, Ethereal Oils, Brilliantine, Depilatory, Shampoo Powder, Cosmetic Preparations—Namely, Vanishing Cream, Cold Cream, Bath Salts, Talcum and Face Powders, Cosmetic Salves, Tooth Paste, Sachet Powder, Smelling Salts, Nail Crayon, After Shaving Lotion, Laundry Starch, and Preparations Thereof.

Claims use since Feb. 29, 1932.

Ser. No. 368,795. GRACE G. ORR, doing business as Gibbon-Orr Products Co., San Pedro, Calif. Filed Aug. 20, 1935.

Dr. Grace Orr's



Tooth Powder

The words "Tooth Powder" and "Rose" are disclaimed apart from the mark. The representation of a woman is fanciful.

For Tooth Powder.

Claims use since May 1, 1931.

Ser. No. 369,578. NATIONAL BIO-CHEMICAL CO., Los Angeles, Calif. Filed Sept. 23, 1935.

NEODIN

For Water Soluble Iodine in Tablet and Liquid Form for the Treatment of Intestinal Infections of Both Bacillary and Amoebic Origin, for Anti-Luetic Treatment, for Hyper-Thyroidism, for Ulcers of Gastro-Intestinal Tract, and for Supplying Deficiencies of Iodine, to the Human Body.

Claims use since Sept. 16, 1935.

Ser. No. 369,864. RUPERT CHARLES HOWELL, doing business as South Georgia Manufacturing Company, Blakely, Ga. Filed Oct. 1, 1935.

FIVE TO ONE QUININE

For Preparation for Malaria.

Claims use since May, 1935.

Ser. No. 369,947. ABRAHAM MEYER LAZAR, Chicago, Ill. Filed Oct. 2, 1935.

Gym-Tutt

PADS FOR ATHLETE'S FOOT

All wording is disclaimed apart from the mark.

For Medicated Cotton and Gauze Pads for Treating Athlete's Foot.

Claims use since Aug. 1, 1935.

Ser. No. 369,958. THE CALCO CHEMICAL COMPANY, INC., Bound Brook, N. J. Filed Oct. 2, 1935.

CAL-B

The letter "B" is disclaimed apart from the mark.

For Medicinal Preparation for Use in the Treatment of General Calcium Deficiencies.

Claims use since Mar. 19, 1935.

Ser. No. 370,005. AUGUST KOHNEMANN, Hoagland, Ind. Filed Oct. 4, 1935.

T. & L. T.

For Cough Syrups.
Claims use since Aug. 20, 1935.

Ser. No. 370,073. CARDINAL LABORATORIES, INC., Chicago, Ill. Filed Oct. 7, 1935.

RITE-WAY

For Insecticides and Shoe Dyes.
Claims use since January, 1935, on insect spray; since 1924, on shoe dye.

Ser. No. 370,112. ROBERT L. GRAY, Long Branch, N. J. Filed Oct. 7, 1935.

UZ-ONE

For Prophylactic Preparations.
Claims use since Feb. 2, 1935

Ser. No. 370,639. GEORGE VON NIEDA, doing business as Von Drug Company, St. Paul, Minn. Filed Oct. 21, 1935.

VON'S
Pink Tablets



The words "Pink Tablets" are disclaimed apart from the mark. The portrait is fanciful.
For Medicinal Tablets Prepared Especially for Correction of Gastric Hyperacidity.
Claims use since Jan. 1, 1928.

Ser. No. 370,705. THE FORMBY CITY RUBBER COMPANY, Cleveland, Ohio. Filed Oct. 23, 1935.

SENTINEL

For Antiseptic Solution, a Preparation for the Treatment of Burns, Sores, Cuts, and the Like, and Styptic Pencils.
Claims use since Oct. 3, 1935.

Ser. No. 370,706. THE FORMBY CITY RUBBER COMPANY, Cleveland, Ohio. Filed Oct. 23, 1935.



For Antiseptic Solution, a Preparation for the Treatment of Burns, Sores, Cuts, and the Like, and Styptic Pencils.
Claims use since Oct. 3, 1935.

Ser. No. 370,714. SAMUEL LEMMING, doing business as Eze Chemical Company, Baltimore, Md. Filed Oct. 23, 1935.

EZO

For Skin Lotion.
Claims use since Feb. 10, 1933.

Ser. No. 370,872. DERMALURE COMPANY, Chicago, Ill. Filed Oct. 28, 1935.

DERMALURE

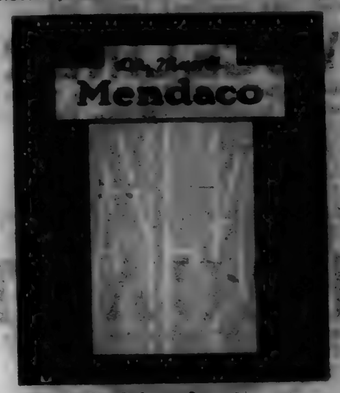
For Facial Creams.
Claims use since July, 1935.

Ser. No. 371,280. W. F. WESTFALL, doing business as Scotch-Tone Company, Oklahoma City, Okla. Filed Nov. 6, 1935.

SCOTCH-TONE

For Hair Wave Preparation, Medicinal Spirits of Turpentine, Bluing, Spirit of Nitre, Cold Cream, Syrup of White Pine Compound, Cold Tablets, Liniment for External Use, Essence of Peppermint, Mouth and Ant Powder, Hair Tonic, Hair Restorer, Aspirin Tablets, Saltpetre, Vanishing Cream, Insecticides, Castor Oil, Peroxide of Hydrogen, Shampoo, Carbolic Acid, Sulphur Flowers, Honey and Almond Cream Lotion, Cascara, Epsom Salts, Milk of Magnesia, Laxative Tablets.
Claims use since June, 1912.

Ser. No. 371,470. THE KNOX COMPANY, Los Angeles, Calif. Filed Nov. 12, 1935.



The drawing is lined for red.
For Preparation for Asthma, Hay Fever, and Related Pulmonary Conditions.
Claims use since Sept. 20, 1935.

Ser. No. 371,520. THE FARADAY COMPANY, Philadelphia, Pa. Filed Nov. 14, 1935.

AMOXIN

For Medicinal Product for the Treatment of Arthritic, Rheumatoid, and Neuritic Conditions.
Claims use since Nov. 5, 1935.

Ser. No. 371,551. JOHN ALBERT MYERS, Philadelphia, Pa. Filed Nov. 14, 1935.

J-A-M

For Insect Powder.
Claims use since Nov. 2, 1935.

Ser. No. 371,616. ADVANCE SOLVENTS & CHEMICAL CORPORATION, New York, N. Y. Filed Nov. 16, 1935.

PETROLAC

For Synthetic Resins Used in Protective Coatings and in Molded Products.
Claims use since Dec. 24, 1930.

Ser. No. 371,619. THE BARBASOL COMPANY, Indianapolis, Ind. Filed Nov. 16, 1935.

Barbasol

For Toilet Powder.
Claims use since May 1, 1924.

Ser. No. 371,653. WATCHUNG LABORATORIES, INC., Bound Brook, N. J. Filed Nov. 16, 1935.

CHYNOS

For Preparation for the Treatment of Rheumatic Disorders.
Claims use since November, 1932.

Ser. No. 371,696. CHARLES E. KRUMMENACHER, doing business as The Kay-Enn Company, Clayton, Mo. Filed Nov. 18, 1935.

KAY-ENN

For Medicinal Preparations for the Prevention and Treatment of Colds.
Claims use since Oct. 15, 1935.

Ser. No. 371,706. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Nov. 18, 1935.

GONOFIL

For Gonococcus Filtrate.
Claims use since Aug. 7, 1935.

Ser. No. 371,707. JOHN STANTON PIERCE, doing business as The Sanite Chemical Company, Georgetown, Ky. Filed Nov. 18, 1935.



For Medicinal Preparation for Treatment of Athlete's Foot.
Claims use since May 10, 1935.

Ser. No. 371,799. YORK PHARMACAL COMPANY, St. Louis, Mo. Filed Nov. 20, 1935.

JUN-NITE

For Perfumes, Toilet Water, Face Powder, Talcum Powder, Lotion for the Skin and Hair, Vegetal, Brilliantine, Bath Salts, Astringents, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Dry Rouges, Liquid Rouges, Eyebrow and Eyelash Grower, Eyebrow Pencils, Hand Lotions, Skin Lotions, Aftershaving Lotions, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Lip Sticks, Tooth Powders, Mouth Washes, Dentifrices, Depilatories, Tooth Pastes, Nail Creams, Nail Bleaches, Nail Powders, Nail Polishes, Witch Hazel, Peroxide, Deodorants, Bay Rum, Skin and Tissue Cream, Vanishing Cream, Bleaching Cream, Mascara, and Sunburn Ointments.
Claims use since June 15, 1935.

Ser. No. 371,891. EMOGENE, INCORPORATED, Baltimore, Md. Filed Nov. 21, 1935.

TE-A-NO

For Effervescent Salts.
Claims use since Apr. 1, 1931.

Ser. No. 371,829. KURT BORKAMP, doing business as Firma G. Pohl, Danzig-Langfur, Free State of Danzig. Filed Nov. 21, 1935.

Nitrolingual

For Nitro-Glycerine Capsules.
Claims use since 1931.

Ser. No. 371,838. E. R. SQUIBB & SONS, New York, N. Y. Filed Nov. 21, 1935.

EF-AS-PRIN

For Analgesic Preparations.
Claims use since Nov. 15, 1935.

Ser. No. 372,171. E. C. GOODWIN'S LABORATORY INC., Brooklyn, N. Y. Filed Dec. 2, 1935.

HYDROPHEN

For Preparations for the Skin, for Athlete's Foot, and Ring Worm.
Claims use since January, 1929.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 371,112. PAUL TOBACCO COMPANY, Wilkes-Barre, Pa. Filed Nov. 2, 1935.

BRIARCLIFF

For Smoking Pipes.
Claims use since Aug. 15, 1935.

CLASS 13

Construction Materials

Ser. No. 364,942. LOUIS STOLTENBERG, San Francisco, Calif. Filed May 7, 1935.

3 IN 1

The signature is a facsimile of applicant's. No claim is made to the words "Improved Window Sash" apart from the mark.
For Window Sash.
Claims use since July 1, 1934.

Ser. No. 371,191. WILLIAM A. VOGEL, doing business as The Vogeliner Company, Toledo, Ohio. Filed Nov. 4, 1935.

VOCELINER

For Decking and Display Mops in the Nature of Structural Elements for Floors, Such as Terrazo, Plaster, Cement, Etc.
Claims use since 1926.

Ser. No. 371,207. THE KING-ASCHERN COMPANY, New York, N. Y. Filed Nov. 23, 1935.

BACAST

For Cement Dust Air Rollers, the Fire Boxes of Furnaces, and Analogous Uses.
Claims use since Nov. 9, 1931.

CLASS 12

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 366,181. WHEELING CORRUGATING COMPANY, Wheeling, W. Va. Filed May 20, 1935.

DURA-Z(NC-ALLOY

No claim is made to the word "Zinc" per se.
For Refrigerator Pans.
Claims use since Apr. 10, 1933.

Ser. No. 367,182. WHEELING CORRUGATING COMPANY, Wheeling, W. Va. Filed May 20, 1935.

DURA-ZINC

No claim is made to the word "Zinc" per se.
For Refrigerator Pans.
Claims use since Apr. 10, 1933.

Ser. No. 367,578. GENERAL FIRE EXTINGUISHER COMPANY, Providence, R. I. Filed July 22, 1935.

MULSIFYRE

For Stationary Fire Extinguishing Sprinkler System, and Pipe, Pipe Fittings, Valves, Cocks, Nozzles, and Sprinkler Heads for Use in Such a System.
Claims use since Jan. 11, 1928.

Ser. No. 372,284. CHRIS GOUMENDAKIS, Passaic, N. J. Filed Dec. 4, 1935.

NEW SYSTEM SAVING MACHINE C. COUMENDAKIS

All metal except the Monogram "CC" is disclaimed apart from the mark.
For Portable Steam Tables for Restaurant Use.
Claims use since Nov. 13, 1935.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 360,800. TAYLOR FOUNDRY COMPANY, Wichita Falls, Tex. Filed Sept. 12, 1935.



The words "High Strength, Ferrous, Machinability" and "Non-Ferrous" are disclaimed apart from the mark.
For Rough Ferrous and Non-Ferrous Castings.
Claims use since Sept. 10, 1935.

Ser. No. 369,941. NATIONAL STEEL & COPPER PLATE COMPANY, Chicago, Ill. Filed Sept. 26, 1935.

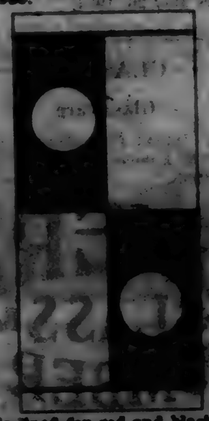


For Engravers' Plates in Blank of Copper, Steel, and Zinc.
Claims use since Apr. 1, 1905.

CLASS 15

Oils and Greases

Ser. No. 370,187. THE TEXAS COMPANY, New York, N. Y. Filed Oct. 8, 1935.



The drawing is lined for red and black.
For Motor Lubricating Oil.
Claims use since Nov. 15, 1934.

CLASS 16

Paints and Painters' Materials

Ser. No. 354,993. WALGREEN CO., doing business as J. W. Dart Paint & Varnish Works, Chicago, Ill. Filed May 13, 1935.

DART'S



The surname "Dart's" is disclaimed apart from the mark.
For Ready Mixed Paints and Enamels.
Claims use since Apr. 16, 1935.

Ser. No. 360,300. MEDUSA PORTLAND CEMENT COMPANY, Cleveland, Ohio. Filed Sept. 14, 1935.

MEDUSA

For Dry, Paste, and Ready-Mixed Paints, and Paint Floor Coatings.
Claims use since 1920, on paints; since January, 1934, on floor coatings.

Ser. No. 360,301. MEDUSA PORTLAND CEMENT COMPANY, Cleveland, Ohio. Filed Sept. 14, 1935.



For Dry, Paste, and Ready-Mixed Paints, and Paint Floor Coatings.
Claims use since 1920, on paints; since January, 1934, on floor coatings.

Ser. No. 360,302. MEDUSA PORTLAND CEMENT COMPANY, Cleveland, Ohio. Filed Sept. 14, 1935.

MEDUSA-LITE

The word "Lite" is disclaimed apart from the mark.
For Paint in Paste Form.
Claims use since Aug. 1, 1935.

Ser. No. 370,926. THE MURALO COMPANY, INC., New Brighton, N. Y. Filed Oct. 25, 1935.

MISSION

For Dry Powder to be Mixed with Water and Used as a Water Tint or Decorative Wall Coating.
Claims use since Nov. 15, 1934.

Ser. No. 371,522. CAMEL LEAD COLOR & CHEMICAL PRODUCTS MFG. CORP., Brooklyn, N. Y. Filed Nov. 14, 1935.

POLARIZED

The drawing is lined for red.
For Ready-Mixed Paint and Paint Enamel and Wall Paint.
Claims use since Aug. 10, 1935.

CLASS 17

Tobacco Products

Ser. No. 370,724. PERFECTO GARCIA & BROS., Chicago, Ill. Filed Oct. 23, 1935.



The word "Perfecto" is disclaimed apart from the mark.
For Cigars.
Claims use since Jan. 1, 1928.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 371,259. CURTIS LIGHTING, INC., Chicago, Ill. Filed Nov. 6, 1935.

ATTRACTION - ZONE

For Electric Illuminating Fixtures and Parts Thereto.
Claims use since Jan. 10, 1935.

Ser. No. 372,114. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Nov. 29, 1935.

Searsint

For Radio Receiving Sets and Parts Thereof, Radio A Batteries, Radio B Batteries, Electron Radio Tubes, and Loud Speakers.
Claims use since October, 1935.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 372,185. SHERIDAN CLAYTON PAPER CO., St. Joseph, Mo. Filed Dec. 2, 1935.

Patee

For Razor Blades.
Claims use since July 2, 1935.

Ser. No. 372,263. THE BARTLETT HAYWARD COMPANY, Baltimore, Md. Filed Dec. 4, 1935.

KOETHERIZING

UNIT

The word "Unit" is disclaimed apart from the mark.
For Apparatus for Expanding Pistons.
Claims use since Nov. 9, 1935.

CLASS 24

Laundry Appliances and Machines

Ser. No. 372,551. FAIRBANKS-MORSE HOME APPLIANCES, INC., Chicago, Ill. Filed Dec. 12, 1935.



For Washing Machines.
Claims use since May 13, 1934.

CLASS 31

Pillows and Refrigerators

Ser. No. 372,554. FAIRBANKS-MORSE HOME APPLIANCES, INC., Chicago, Ill. Filed Dec. 12, 1935.



For Refrigerators.
Claims use since May 28, 1934.

CLASS 33

Glassware

Ser. No. 371,678. ISRAEL COPPERSTEIN, doing business as General Glass & Lumber Company, Cleveland, Ohio. Filed Nov. 16, 1935.

GENERAL GLASS & LUMBER CO.

For Sheet Glass.
Claims use since March, 1918.

CLASS 36

Musical Instruments and Supplies

Ser. No. 372,230. ADELMAN AMERICAN CORPORATION, New York, N. Y. Filed Dec. 6, 1935.

Harpsigrande

For Pianos.
Claims use since May 11, 1935.

Ser. No. 372,232. THE BALDWIN COMPANY, Cincinnati, Ohio. Filed Dec. 6, 1935.

ACROSONE

For Pianos.
Claims use since Dec. 6, 1935.

CLASS 37

Paper and Stationery

Ser. No. 361,418. HOGANS PAPER & FIBRE COMPANY, Green Bay, Wis. Filed Feb. 15, 1935.

DAWN

For Paper Towels, Toilet Tissues, and Napkins.
Claims use since 1907.

Ser. No. 366,648. UNITED WALL PAPER FACTORIES, INC., Jersey City, N. J. Filed June 25, 1935.

Ar-be-ter

For Wall Paper.
Claims use since Apr. 30, 1935.

Ser. No. 368,497. ST. HELENS PULP AND PAPER COMPANY, St. Helens, Oreg. Filed Aug. 20, 1935.



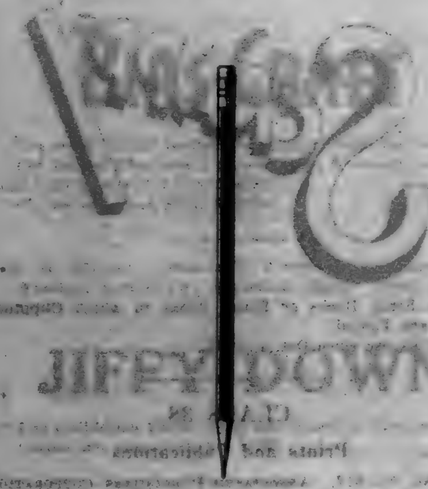
No words or figures except "Kranila" and the name of applicant are claimed apart from the mark.
For Sulphate Paper—Namely, Sulphate Wrapping Paper, Sulphate Paper Envelopes, Sulphate Paper Stationery, and Waxed and Gummed Sulphate Paper for Envelopes and Wrapping Purposes.
Claims use since May, 1930.

Ser. No. 368,498. ST. HELENS PULP AND PAPER COMPANY, St. Helens, Oreg. Filed Aug. 20, 1935.



No words or figures except "Kranila" and the name of applicant are claimed apart from the mark.
For Sulphate Paper—Namely, Sulphate Wrapping Paper, Sulphate Paper Envelopes, Sulphate Paper Stationery, and Waxed and Gummed Sulphate Paper for Envelopes and Wrapping Purposes.
Claims use since May, 1930.

Ser. No. 371,889. HOGANS INC., Chicago, Ill. Filed Nov. 9, 1935.



Trademark consists of the words "Blue Streak" and a blue streak on two sides of a yellow hexagonal pencil, no claim being made to the representation of a pencil per se.
For Lead Pencils.
Claims use since Oct. 24, 1935.

Ser. No. 371,972. MONTGO BROTHERS, INC., Atlanta, Ga. Filed Nov. 13, 1935.



BLUE HORSE

For Pencil Tablets, Composition Note Books, Loose-Leaf Paper and Theme Paper, Sheet Writing Paper, Loose-Leaf Fillers, Loose-Leaf Binders and Combinations Thereof, Pencils, and Fountain Pens.

Claims use since Jan. 1, 1934, on pencils; since Jan. 1, 1935, on pens; since Mar. 1, 1913, on remaining goods.

Ser. No. 371,718. TABLET & TICKET CO., Chicago, Ill. Filed Nov. 30, 1935.

MIRROMETAL

For Gummed Christmas Package Decorations and Seals. Claims use since June 1, 1935.

Ser. No. 371,717. UNITED STATES ENVELOPE COMPANY, Springfield, Mass. Filed Nov. 18, 1935.

SCRAPPY

For Scrap Books or Blank Books in which Clippings, Etc., are Pasted.

Claims use since Oct. 1, 1935.

CLASS 38

Prints and Publications

Ser. No. 371,617. ASSOCIATED PUBLISHERS CORPORATION, Chicago, Ill. Filed Nov. 16, 1935.

THE TAVERN WEEKLY NEWS

For Trade Journal and Periodical.

Claims use since April, 1935.

Ser. No. 371,706. WELL, MCGINNIS & SLOSAR, INC., New York, N. Y. Filed Nov. 20, 1935.

FASHIONS ART

For Periodicals.

Claims use since April, 1934.

Ser. No. 371,816. MAX ISAAC, doing business as Corporate Reorganizations, New York, N. Y. Filed Nov. 21, 1935.

CORPORATE REORGANIZATIONS

For Publication Published Periodically.

Claims use since August, 1934.

CLASS 39

Clothing

Ser. No. 364,652. JOHN GERBRICH, San Francisco, Calif. Filed May 7, 1935.

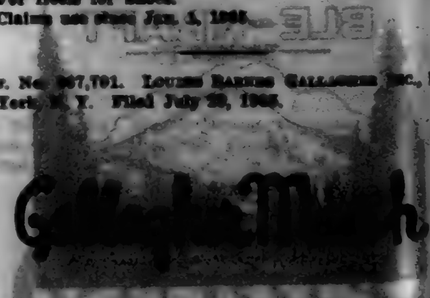
QUICK CHANGE HEEL FOR SHOES

The wording "Quick Change Heels for Shoes" is disclaimed apart from the mark.

For Heels for Shoes.

Claims use since Jan. 5, 1935.

Ser. No. 367,701. LOUISE BARNES GALLAGHER, INC., New York, N. Y. Filed July 26, 1935.



The word "Mask" is disclaimed apart from the mark.

For Women's Outer Suits, Coats, Dresses, Outer Skirts, Overcoats, Capes, Hats, Sash Belts, Knit Jersey Sweaters, Bathing Suits, Outer Wraps, Riding Habits, Suits for Outer Wear, Skirts, and Collar and Cuff Sets.

Claims use since January, 1934.

Ser. No. 369,496. COOPER, WELLS & COMPANY, St. Joseph, Mich. Filed Sept. 19, 1935.



The representation of the label and all words except "Admiration", "Cooper Wells", and "Cooper, Wells & Co." are disclaimed.

For Hosiery for Women.

Claims use since 1906.

Ser. No. 369,495. WM. H. KNOCK CO., Dubuque, Iowa. Filed Sept. 19, 1935.

SORBEAU

For Infants' Wear—Namely, Sleepers, Pajamas, Gowns, Kimonos, Day Slips, Bath Robes, Bibs, Sacques, Christening Robes, Boots, and Garters.

Claims use since November, 1930.

Ser. No. 369,892. MOE LEVY & SON, INC., New York, N. Y. Filed Oct. 1, 1935.

John Stuarts

The words "John Stuarts" are disclaimed apart from the mark.

For Men's Suits and Overcoats.

Claims use since Sept. 15, 1935.

Ser. No. 370,189. WALDEN MAYER & CO. INC., New York, N. Y. Filed Oct. 9, 1935.

Mayco STYLISH STOUT

The words "Stylish Stout" are disclaimed apart from the mark.

For Women's, Misses', and Stout Women's Dresses.

Claims use since Sept. 2, 1935.

Ser. No. 370,496. ALL WEATHER PROCESSES, INC., New York, N. Y. Filed Oct. 12, 1935.

TEMPEST ALL WEATHER

The words "All Weather" are disclaimed apart from the mark.

For Men's, Women's, and Children's Hunting Suits, Fishing Suits, Top Coats, Overcoats, Ski Suits, Snow Suits, Leggings, Overpants, Sport Coats, Vests, Sport Suits, Hats, Caps; Women's and Children's Fur Coats, Fur Sets, and Cloth Garments Fur Trimmed; Men's and Boys' Coats, Vests, Trousers, Overcoats, Overalls, Negligee and Work Shirts, Bath Robes, Hats, Caps, Fabric Gloves, Collars and Cuffs, Socks and Stockings, Underwear, Sweaters; Women's and Children's Cloaks and Suits, Dresses, Underwear, Outerskirts and Underskirts, Petticoats, Waists, Fabric Gloves, Hosiery, Sweaters; Corsets, Mufflers, Bathing Suits, Brassières, Leather Coats, Cravats, Neckties, and Capes.

Claims use since Oct. 11, 1935.

Ser. No. 371,918. THE WILLIAM CARTER COMPANY, Needham Heights, Mass. Filed Oct. 31, 1935.

JIFFON

For Infants' and Children's Shirts, Bands, and Sleeping Garments.

Claims use since February, 1934.

Ser. No. 371,178. I. SCHNEIDERMAN & SONS, INC., New York, N. Y. Filed Nov. 4, 1935.

BIAS-CRAFT

The word "Bias" is disclaimed apart from the mark.

For Ladies' Chemises, Princess Slips, Bloomers, Step-Ins, and Nightgowns of a Textile Fabric.

Claims use since Sept. 5, 1935.

Ser. No. 371,243. CHARLES N. WINSHIP, doing business as Winship, Boit & Co., Wakefield, Mass. Filed Nov. 5, 1935.

JIFFY-DOWN

For Children's Union Suits and Sleeping Garments.

Claims use since Oct. 28, 1935.

Ser. No. 371,513. M. ARWIS & BRO., INC., New York, N. Y. Filed Nov. 15, 1935.

"Mist o' Ray"

For Ladies' Hats.

Claims use since Sept. 16, 1935.

Ser. No. 371,667. WEISS & LANG, INC., New York, N. Y. Filed Nov. 16, 1935.

Ri tesize

For Women's Silk and Rayon Panties, Girdles, and Combination Girdle-Step-Ins.
Claims use since June, 1935.

Ser. No. 371,772. MAIDEN-FORM BRASSIERE COMPANY, INC., New York, N. Y. Filed Nov. 20, 1935.

"VARIATION"

For Brassières, Bandeaux, Corsets, Corselets, and Girdlets.
Claims use since Nov. 15, 1935.

Ser. No. 371,885. HARRODT-IRVING, INC., New York, N. Y. Filed Nov. 22, 1935.

MacDonald SPORTSWEAR

The word "Sportswear" is disclaimed apart from the mark. The drawing is lined for red.
For Men's and Boys' Sport Sweaters and Sport Shirts.
Claims use since Aug. 15, 1935.

Ser. No. 371,940. THE STROUSE-BAER COMPANY, INC., Baltimore, Md. Filed Nov. 23, 1935.

TROPIWATE

For Boys' and Girls' Wear—Namely, Children's Wash Suits.
Claims use since Oct. 15, 1935.

Ser. No. 372,025. OPPENHEIM, COLLINS & CO. INC., Wilmington, Del.; New York, Brooklyn, and Buffalo, N. Y.; and Philadelphia, Pa. Filed Dec. 11, 1935.

Half-Pint

For Women's, Misses', and Children's Hosiery.
Claims use since Aug. 28, 1935.

Ser. No. 372,028. CHERRY, PRESCOTT & CO., INC., Troy, N. Y. Filed Dec. 16, 1935.

THE GUARDS

For Collars.
Claims use since Jan. 2, 1935.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 371,806. CALIFORNIA TANNING COMPANY, St. Louis, Mo. Filed Nov. 21, 1935.



For Leather Boot and Shoe Laces.
Claims use since May 20, 1933.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 370,836. THE KENDALL COMPANY, Walpole, Mass. Filed Oct. 10, 1935.

CALERON

For Cotton Piece Goods.
Claims use since Sept. 6, 1935.

Ser. No. 370,895. GOODALL WORSTED CO., Sanford, Maine. Filed Oct. 24, 1935.

Goodall-Sanford

For Piece Dyed Fast Color Combinations of Mohair, Cotton, Wool, Alpaca, Camelhair, Silk, and Artificial Silk; also Woolen, Cotton, Mohair, and Plush Piece Goods; also Pile Fabrics.
Claims use since July 1, 1902.

Ser. No. 370,894. PHILADELPHIA LACE BRAIDING COMPANY, New York, N. Y. Filed Oct. 29, 1935.

ICICOOL

For Cotton Bindings.
Claims use since Oct. 22, 1935.

Ser. No. 371,208. JOHN CUSHENNOW & SONS, Philadelphia, Pa. Filed Nov. 5, 1935.

Coolkenny Crash

No claim is made to the word "Crash" apart from the mark.
For Woven Fabrics Manufactured from Wool or Cotton or Linen or Silk, or Any Combinations of Them.
Claims use since August, 1915.

CLASS 43

Thread and Yarn

Ser. No. 371,286. GLORIA YARN COMPANY, Philadelphia, Pa. Filed Nov. 9, 1935.

Aristocrat Yarns

No claim is made to the word "Yarns" apart from the mark.
For Yarn.
Claims use since Oct. 25, 1935.

Ser. No. 371,803. SEA ISLAND THREAD MFG. CORP., New York, N. Y. Filed Nov. 18, 1935.

OTTOMAN

The word "Ottoman" is disclaimed apart from the mark. The drawing is lined for red.
For Mercerized Thread and Spool Cotton.
Claims use since Mar. 28, 1933.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 363,630. BLEECKER BEAUTY SHOPS, INC., Chicago, Ill. Filed June 24, 1935.

Bleixig
BLEECKERS
Individualized

For Permanent Wave Pads.
Claims use since Apr. 1, 1935.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 372,564. GLASER BEVERAGES, INC., Seattle, Wash. Filed Dec. 12, 1935.

Glaclix

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since May 15, 1933.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 363,071. C. WOODARD CO., Wilson, N. C. Filed Dec. 1, 1934.

"BRAND"

The word "Brand" is disclaimed apart from the mark.
For Tea, Extracts for Food Flavoring Purposes (Lemon and Vanilla), Peanut Butter, Condiments (Mayonnaise, Salad Dressing, and Sandwich Spread), Tomato Catsup, Olives, Maraschino Cherries, Syrup (Golden Table Syrup and Pancake Syrup), Mustard, and Canned Goods, Namely—Corn, Beans, Hominy, Pork and Beans, Spaghetti and Soup.
Claims use since Sept. 1, 1934.

Ser. No. 363,530. VAN BROCKLIN BROS., doing business as Co-Operative Flour System, Memphis, Tenn., and Wichita, Kans. Filed Apr. 9, 1935.

DixieLily



The words "Light as Air" and "White as Snow" are disclaimed apart from the mark. The drawing is lined for light blue, dark blue, yellow, and green.

For Wheat Flour, Plain, Phosphated, and Self-Rising.
Claims use since August, 1932.

Ser. No. 367,302. M. A. KUNITOMO, Holtville, Calif. Filed July 15, 1935.



The words "Quality" and "Pack" are disclaimed apart from the mark.

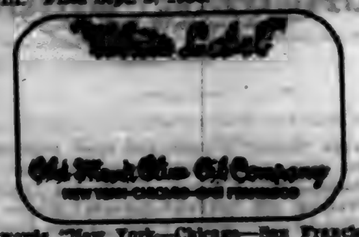
For Fresh Vegetables.
Claims use since Mar. 31, 1935.

Ser. No. 366,615. ROY E. HEMMERT, doing business as Pitt Chocolate Company, Edgewood, Pa., assignor to Pitt Chocolate Company, a Corporation of Pennsylvania. Filed Aug. 23, 1935.

EATIES

For Chocolate Candy.
Claims use since Aug. 1, 1935.

Ser. No. 369,030. OLD MONT OLIVE OIL COMPANY, Chicago, Ill. Filed Sept. 5, 1935.



The words "New York—Chicago—San Francisco" and the physical representation of a white label per se are disclaimed apart from the mark.

For Queen Olives and Stuffed Olives.
Claims use since May 15, 1935.

Ser. No. 369,548. LEWIS FOOD SURVEYORS, INC., New York, N. Y. Filed Sept. 17, 1935.

Lenshire

For Prepared English Mustard.
Claims use since Aug. 15, 1935.

Ser. No. 369,648. GENEVA MILLING COMPANY, Geneva, N. Y. Filed Sept. 24, 1935.

GENEVA

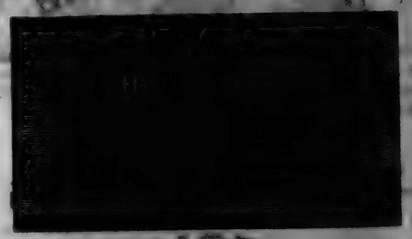


PERFECTION

The words "Geneva" and "Perfection" are disclaimed apart from the mark.

For Patent Wheat Flour.
Claims use since July 22, 1935.

Ser. No. 370,229. LOUIS ROSS-GOLD, Ind., New York N. Y. Filed Oct. 9, 1935.



The representation of tomatoes apart from the mark and the representation of a label are disclaimed. The drawing is lined for blue, green, yellow, and red.

For Canned Peeled Tomatoes and Tomato Paste.
Claims use since Mar. 7, 1935.

Ser. No. 370,234. S. H. BYKOFF & COMPANY, Los Angeles, Calif. Filed Oct. 14, 1935.

YUCCA

The trade-mark is colored red and black and purple with a gold border and a yellow line through the name of each letter.

For Jams, Jellies, and Fruit Preserves.
Claims use since June 25, 1934.

Ser. No. 370,267. BERCUT-RICHARDS PACKING CO., Sacramento, Calif. Filed Oct. 28, 1935.

JOLLY ROGER

For Canned Fruit and Canned Spanish Style Sliced Bacon.
Claims use since Oct. 8, 1935.

Ser. No. 370,342. CRESCA COMPANY, INCORPORATED, New York, N. Y. Filed Oct. 28, 1935.



No claim is made to any words except "Cresca" apart from the mark.

For Canned Sardines.
Claims use since Aug. 15, 1935.

Ser. No. 370,343. THOMAS EGGS, Inc., Columbus, Ohio. Filed Oct. 29, 1935.

TASTI-CHOC

The word "Tasti" is disclaimed apart from the mark.

For Prepared Chocolate Powder for Making Food Beverages.
Claims use since Oct. 3, 1935.

Ser. No. 370,344. E. FLACHSLAND & SON, INC., Liverpool, N. Y. Filed Oct. 29, 1935.

PINE HILL

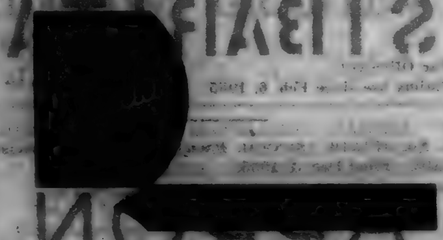
For Pickles, Tea, Coffee, Canned Fish, Catsup, Prepared Mustard, Canned Fruits, Rolled Oats, Maple Syrup, and Vanilla Extracts for Food Flavoring Purposes, Canned Vegetables.
Claims use since 1927.

Ser. No. 371,340. CRAFTON MUTUAL ORCHARDS, Manteno and Crafton, Calif. Filed Nov. 6, 1935.

SILVER FLEET

For Fresh Citrus Fruit.
Claims use since Oct. 29, 1935.

Ser. No. 371,385. THE SEEDS PRODUCTS COMPANY, Detroit, Mich. Filed Nov. 9, 1935.



The word "Quality" is disclaimed apart from the mark.

For Sweet Corn.
Claims use since Dec. 20, 1935.

Ser. No. 371,686. THE FAMILY KITCHEN, INC., San Francisco, Calif. Filed Nov. 16, 1935.



For Canned Salad Vegetables, Canned Vegetables, and Canned Bean Salad.
Claims use since August, 1927.

Ser. No. 371,831. SOUTHLAND COFFEE COMPANY, Macon, Ga. Filed Nov. 21, 1935.



For Coffee.
Claims use since Sept. 24, 1935.

Ser. No. 371,886. P. A. MANTOCCIO COMPANY, doing business as Hollywood Candy Co., Minneapolis, Minn. Filed Nov. 22, 1935.

SMOOTH SAILIN

For Candy.
Claims use since Aug. 1, 1934.

Ser. No. 372,168. Cohen Trading Co., Inc., New York, N. Y. Filed Dec. 2, 1935.

SIBARITA

For Olive Oil.
Claims use since Feb. 6, 1935.

Ser. No. 372,219. Surical Packing Co., San Francisco, Calif. Filed Dec. 4, 1935.

APRON STRINGS

For Canned Figs.
Claims use since Oct. 31, 1935.

Ser. No. 372,578. Southern Gold Cheese Co., McKenzie, Tenn. Filed Dec. 7, 1935.



For Pasteurized Processed Cheese.
Claims use since December, 1934.

CLASS 47

Wines

Ser. No. 370,906. J. G. Thompson & Co. Limited, Leith, Scotland. Filed Oct. 28, 1935.

MONARCHISTA.

For Wines.
Claims use since Jan. 29, 1910.

CLASS 48

Malt Beverages and Liquors

Ser. No. 372,461. Dallas Brewery, Inc., Dallas, Tex. Filed Dec. 10, 1935.

CHUBBY

For Beer.
Claims use since Nov. 26, 1935.

Ser. No. 372,489. Bohemian Brewing & Ice Company, S. Ana, Calif. Filed Dec. 10, 1935.

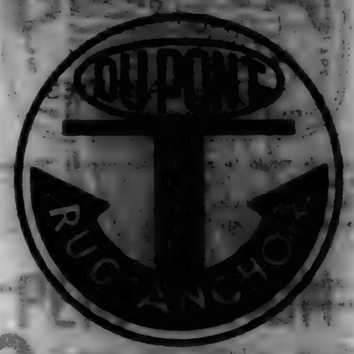
REMAR

For Beer.
Claims use since Nov. 21, 1935.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 369,826. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed Sept. 26, 1935.



The word "Rug" is disclaimed apart from the mark.
For Rubber Coated Fabrics, Rubber Sheeting, Sponge Rubber Sheeting, Fabrics Coated with Sponge Rubber, and Pyroxylin Coated Fabrics, All Designed for the Prevention of the Slipping of Rugs.
Claims use since Jan. 16, 1931.

Ser. No. 371,165. Reis A. Decker, Inc., Wauwatosa, Wis. Filed Nov. 4, 1935.

SAFWAY

For Scaffolds.
Claims use since June 1, 1935.

Ser. No. 371,491. Gimbels Bros. Inc. Corporation, New York, N. Y. Filed Nov. 13, 1935.

JUSTRITE

For Garment Hangers, Women's Dress Forms, and Women's Dress Supports.
Claims use since Aug. 22, 1935.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JANUARY 21, 1936

331,701. TOOL STEEL. Ely Steel & Wire Co., Chicago, Ill.
Filed September 16, 1935. Serial No. 369,389. PUBLISHED NOVEMBER 5, 1935. Class 14.

331,702. WATER COLOR PAINT. The Ace Color Corporation, New York, N. Y.
Filed September 17, 1935. Serial No. 369,390. PUBLISHED NOVEMBER 12, 1935. Class 16.

331,703. [WITHDRAWN.]

331,704. TOILET PREPARATIONS—NAMELY, PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. John Wanamaker, Philadelphia, Philadelphia, Pa.
Filed September 17, 1935. Serial No. 369,426. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,705. NEWSPAPER SECTION. American Newspapers, Inc., New York, N. Y.
Filed September 19, 1935. Serial No. 369,470. PUBLISHED NOVEMBER 5, 1935. Class 38.

331,706. PAPER CAPS IN ROLLS FOR TOY PISTOLS. The Kilgore Manufacturing Company, Westerville, Ohio.
Filed September 19, 1935. Serial No. 369,491. PUBLISHED NOVEMBER 12, 1935. Class 9.

331,707. PERIODICAL. Sports Afield Publishing Co., Minneapolis and Long Prairie, Minn., Chicago, Ill., and New York, N. Y.
Filed September 19, 1935. Serial No. 369,508. PUBLISHED NOVEMBER 5, 1935. Class 38.

331,708. FISHING TACKLE—NAMELY, FLIES, LURES, AND ARTIFICIAL BAITS. Otto George Soukup, doing business as Fishmaster Tackle Co., Minneapolis, Minn.
Filed September 19, 1935. Serial No. 369,507. PUBLISHED NOVEMBER 12, 1935. Class 22.

331,709. NEWSPAPER CARTOONS. King Features Syndicate, Inc., New York, N. Y.
Filed September 20, 1935. Serial No. 369,536. PUBLISHED NOVEMBER 5, 1935. Class 38.

331,710. PERIODICAL. Market Growers Journal Company, Inc., Louisville, Ky.
Filed September 20, 1935. Serial No. 369,541. PUBLISHED NOVEMBER 5, 1935. Class 38.

331,711. CIGARS. Myers Cohen, Boston, Mass.
Filed September 20, 1935. Serial No. 369,545. PUBLISHED NOVEMBER 12, 1935. Class 17.

331,712. TOOTH BRUSHES. S. H. Kress and Company, New York, N. Y.
Filed September 21, 1935. Serial No. 369,575. PUBLISHED NOVEMBER 12, 1935. Class 28.

331,713. WHISKEY AND GIN. Ontocon Distilled Products Co., Inc., New York, N. Y.
Filed September 21, 1935. Serial No. 369,588. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,714. [WITHDRAWN.]

331,715. NONALCOHOLIC, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK. Lemmon Fruit Products, Inc., Los Angeles, Calif.
Filed September 25, 1935. Serial No. 369,705. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,716. PYROPHORIC AND CATALYTIC TABLE AND POCKET LIGHTERS OF ALL KINDS AND PYROPHORIC, CATALYTIC, AND PILOT GAS LIGHTERS. Karl Wenger G. m. b. H., Solingen-Ohligs, Germany.
Filed September 25, 1935. Serial No. 369,724. PUBLISHED NOVEMBER 12, 1935. Class 34.

331,717. ARTISTS' MATERIALS—NAMELY, WAX CRAYONS, PRESSED CRAYONS, SCHOOL AND ARTISTS' PASTELS, AND CHALK AND DUSTLESS CRAYONS. The Art Crayon Company, Inc., Brooklyn, N. Y.
Filed September 26, 1935. Serial No. 369,729. PUBLISHED NOVEMBER 5, 1935. Class 37.

331,718. CHAIRS, SOFAS, AND DAVENPORTS. Kittinger Company, Inc., Buffalo, N. Y.
Filed September 26, 1935. Serial No. 369,741. PUBLISHED NOVEMBER 12, 1935. Class 21.

331,719. ANTISEPTIC SOLUTION AND AN ANTISEPTIC JELLY. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed September 26, 1935. Serial No. 369,746. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,720. CIGARS. The Antonio Company, Inc., Tampa, Fla.
Filed September 27, 1935. Serial No. 369,760. PUBLISHED NOVEMBER 12, 1935. Class 17.

331,721. WHISKEY. Mid-Western Distillery Products, Inc., Louisville, Ky.
Filed September 27, 1935. Serial No. 369,774. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,722. WARM AIR FURNACES AND PARTS THEREOF. The Williamson Heater Company, Cincinnati, Ohio.
Filed September 27, 1935. Serial No. 369,792. PUBLISHED NOVEMBER 12, 1935. Class 34.

331,723. WHISKEY. A. Rosenbloom, Kansas City, Mo.
Filed October 4, 1935. Serial No. 370,017. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,724. SALAD DRESSING AND/OR MAYONNAISE. The Best Foods, Inc., New York, N. Y.
Filed July 18, 1934. Serial No. 354,029. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,725. HAMMERS, HATCHETS, AND AXES. Vaughan & Bushnell Mfg. Co., Chicago, Ill.
Filed July 28, 1934. Serial No. 354,418. PUBLISHED NOVEMBER 12, 1935. Class 35.

331,726. ATHLETIC SHIRTS, ATHLETIC SHORTS, AND POLO SHIRTS FOR MEN, YOUTHS, AND BOYS. Charles C. Valentine, New York, N. Y.
Filed April 4, 1935. Serial No. 363,412. PUBLISHED NOVEMBER 12, 1935. Class 39.

331,727. ATHLETIC SHIRTS, ATHLETIC SHORTS, AND POLO SHIRTS FOR MEN, YOUTHS, AND BOYS. Charles C. Valentine, New York, N. Y.
Filed April 4, 1935. Serial No. 363,414. PUBLISHED NOVEMBER 12, 1935. Class 39.

331,728. EMPTY COSMETIC CONTAINERS OF CASEIN, CELLULOID, OR SIMILAR MATERIAL AND NON-PRECIOUS METALS. A. J. & K. Company, Inc., New York, N. Y.
Filed March 18, 1935. Serial No. 325,900. PUBLISHED NOVEMBER 12, 1935. Class 2.

331,729. MOLDINGS FOR STRUCTURAL PURPOSES. Colonial Sales Corporation, New York, N. Y.
Filed September 12, 1935. Serial No. 369,217. PUBLISHED NOVEMBER 12, 1935. Class 12.

331,730. SEATS AND CUSHIONS AND PARTS THEREOF. Production Products, Inc., Baltimore, Md.
Filed September 12, 1935. Serial No. 369,235. PUBLISHED NOVEMBER 12, 1935. Class 35.

331,731. STEEL. The Timken Steel and Tube Company, Canton, Ohio.
Filed September 12, 1935. Serial No. 369,251. PUBLISHED NOVEMBER 5, 1935. Class 14.

331,732. ASPHALT PAINT, ASPHALT ALUMINUM, PAINT, PAINT ENAMELS, DECORATIVE UNDERCOAT, ENAMELIZED PAINT, REDUCING OIL, AND IMPROVED ASPHALT PAINT. AMERICAN ASPHALT PAINT COMPANY, Chicago, Ill.
Filed September 13, 1935. Serial No. 369,263. PUBLISHED NOVEMBER 12, 1935. Class 16.

331,733. WOODEN POSTS. CROSSETT LUMBER COMPANY, Crossett, Ark.
Filed September 13, 1935. Serial No. 369,267. PUBLISHED NOVEMBER 12, 1935. Class 13.

331,734. ANATOMICAL CHARTS. BODYSCOPE PUBLICATIONS INC., New York, N. Y.
Filed September 14, 1935. Serial No. 369,294. PUBLISHED NOVEMBER 12, 1935. Class 38.

331,735. NONALCOHOLIC, MALTLESS SYRUP FOR MAKING SOFT DRINKS. ORESTE R. MASCIA, Harrison, N. Y.
Filed September 14, 1935. Serial No. 369,299. PUBLISHED NOVEMBER 19, 1935. Class 45.

331,736. TOY BALLOONS AND NOVELTY TOY BALLOONS. THE BARR RUBBER PRODUCTS COMPANY, Sandusky, Ohio.
Filed September 23, 1935. Serial No. 369,595. PUBLISHED NOVEMBER 26, 1935. Class 22.

331,737. NOVELTY BALLOONS, TOSS-UPS, AND BALLOONS WITH FEET. THE BARR RUBBER PRODUCTS COMPANY, Sandusky, Ohio.
Filed September 23, 1935. Serial No. 369,596. PUBLISHED NOVEMBER 12, 1935. Class 22.

331,738. NEWSPAPERS SECTIONS AND CARTOONS. CENTRAL PRESS ASSOCIATION, INC., Cleveland, Ohio.
Filed September 23, 1935. Serial No. 369,600. PUBLISHED NOVEMBER 5, 1935. Class 38.

331,739. RAZORS AND RAZOR BLADES. CONRAD RAZOR BLADE CO. Inc., Long Island City, N. Y.
Filed September 23, 1935. Serial No. 369,603. PUBLISHED NOVEMBER 12, 1935. Class 23.

331,740. INDUSTRIAL PRIMING PAINT. THE HARRINGTON PAINT CO., INC., East Cleveland, Ohio.
Filed September 23, 1935. Serial No. 369,611. PUBLISHED NOVEMBER 12, 1935. Class 16.

331,741. CARTOONS. JULIUS A. PIRSCH, Webster Groves, Mo.
Filed September 23, 1935. Serial No. 369,626. PUBLISHED NOVEMBER 5, 1935. Class 38.

331,742. GIN. CENTURY DISTILLING COMPANY, Chicago and Peoria, Ill.
Filed September 24, 1935. Serial No. 369,648. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,743. GLUTEN FLOUR. GENEVA MILLING COMPANY, Geneva, N. Y.
Filed September 24, 1935. Serial No. 369,647. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,744. GASKET SHELLAC COMPOUND. PERMANITE COMPANY, INC., Brooklyn, N. Y.
Filed September 24, 1935. Serial No. 369,662. PUBLISHED NOVEMBER 12, 1935. Class 8.

331,745. COAL. RED JACKET COAL COMPANY, Columbus, Ohio.
Filed September 24, 1935. Serial No. 369,665. PUBLISHED NOVEMBER 12, 1935. Class 1.

331,746. MINERAL OIL FOR FOOD PURPOSES. DI-ETO PRODUCTS COMPANY, INC., Nashville, Tenn.
Filed September 26, 1935. Serial No. 369,690. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,747. CARD GAME. ST. DONATO OPERATING CORPORATION, New York, N. Y., assignor to Dennis Games Company.
Filed September 26, 1935. Serial No. 369,693. PUBLISHED NOVEMBER 12, 1935. Class 22.

331,748. INTERIOR, OVERHEAD LIGHTING FIXTURES, SIDE WALL BRACKETS, AND OTHER ELECTRICAL LIGHTING FIXTURES. GARDNER-TURNER GLASS COMPANY, Brooklyn and New York, N. Y.
Filed September 28, 1935. Serial No. 369,837. PUBLISHED NOVEMBER 12, 1935. Class 21.

331,749. CANDLE LAMPS. WILL & BAUMER CANDLE CO., INC., Syracuse, N. Y.
Filed May 27, 1935. Serial No. 366,425. PUBLISHED NOVEMBER 12, 1935. Class 34.

331,750. COFFEE. DRY DOCK MILLS, Inc., New York, N. Y.
Filed May 29, 1935. Serial No. 366,614. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,751. PHOTOGRAPHIC PRINTS. NATIONAL PHOTO CO., doing business as The Photo Mill, St. Paul, Minn.
Filed May 29, 1935. Serial No. 366,672. PUBLISHED OCTOBER 29, 1935. Class 38.

331,752. HAND MADE ACCORDIONS. MARIO TECHNI, New York, N. Y.
Filed March 6, 1933. Serial No. 335,462. PUBLISHED NOVEMBER 12, 1935. Class 36.

331,753. ELECTRICALLY OPERATED FOOD PREPARING DEVICES AND PARTS THEREOF AND ATTACHMENTS THEREFOR, CONSISTING OF MIXING BOWLS, POWER DRIVEN BEATERS, POWER DRIVEN JUICERS, AND STRAINERS, ETC. THE P. A. GERBER COMPANY, Cleveland, Ohio.
Filed September 1, 1933. Serial No. 341,266. PUBLISHED NOVEMBER 12, 1935. Class 21.

331,754. INTERNAL COMBUSTION ENGINE ACCESSORIES—NAMELY, SPARK PLUGS, PARTS OF SPARK PLUGS, AND DEVICES FOR PREVENTING INTERFERENCE WITH RADIO. J. D. CORNA CORP, Camden, N. J.
Filed February 18, 1935. Serial No. 361,516. PUBLISHED NOVEMBER 12, 1935. Class 21.

331,755. MANIFOLDING FORMS. THE EGRY REGISTER COMPANY, Dayton, Ohio.
Filed June 26, 1935. Serial No. 368,682. PUBLISHED NOVEMBER 12, 1935. Class 37.

331,756. METAL FORGINGS MADE OF IRON, STEEL, COPPER, TIN, LEAD, NICKEL, ALUMINUM, AND ALL FORGEABLE INDUSTRIAL ALLOYS OF THE SAME. J. H. WILLIAMS & CO., Buffalo, N. Y.
Filed July 20, 1935. Serial No. 367,515. PUBLISHED NOVEMBER 12, 1935. Class 14.

331,757. PERIODICAL. FRANK V. CHAMBERS, Philadelphia, Pa.
Filed July 17, 1935. Serial No. 367,268. PUBLISHED NOVEMBER 12, 1935. Class 38.

331,758. FRESH CITRUS FRUITS. UPLAND HEIGHTS ORANGE ASSN., Upland, Calif.
Filed July 15, 1935. Serial No. 367,227. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,759. ALL KINDS OF RAW AND FINISHED LEATHERS. LUCIUS BEEBE & SONS, INC., Boston, Mass.
Filed July 11, 1935. Serial No. 367,154. PUBLISHED NOVEMBER 12, 1935. Class 1.

331,760. CONFECTIONERY—NAMELY, CANDY. SCHUTZ BROS. CO. INC., New York, N. Y.
Filed July 6, 1935. Serial No. 367,040. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,761. WATCH CASES. PREMIER WATCH CASE CO., New York, N. Y.
Filed July 8, 1935. Serial No. 367,069. PUBLISHED NOVEMBER 5, 1935. Class 37.

331,762. SEWING MACHINES AND PARTS. LOCK INVISIBLE STITCH MACHINE CO., St. Louis, Mo.
Filed July 1, 1935. Serial No. 366,964. PUBLISHED NOVEMBER 12, 1935. Class 23.

331,763. TOMBSTONES AND MONUMENTS. S. GOLDSTEIN MONUMENT WORKS, INC., New York, N. Y.
Filed June 12, 1935. Serial No. 366,097. PUBLISHED NOVEMBER 12, 1935. Class 50.

331,764. PERIODICAL. THE AMERICAN TRAVELER, INC., New York, N. Y.
Filed June 12, 1935. Serial No. 366,091. PUBLISHED OCTOBER 29, 1935. Class 38.

331,765. COVERINGS FOR TABLE AND BUFFET GLASSWARE OF FABRIC, OR OF OTHER MATERIALS OF WHICH THE GOODS ARE MADE. JESSE LESLIE, New York, N. Y.
Filed June 3, 1935. Serial No. 365,962. PUBLISHED NOVEMBER 5, 1935. Class 50.

331,766. SOY FLOUR MIX FOR ADDITION TO WHITE, WHOLE WHEAT, RYE, OR OTHER BREAD OR PASTRY FLOUR. CHARLES H. ARMOUR, Chicago, Ill.
Filed June 6, 1935. Serial No. 366,236. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,767. RAW, TREATED, AND DYED FUR SKINS, AND PARTS THEREOF. REISCHER BROS., INC., New York, N. Y.
Filed May 31, 1935. Serial No. 365,896. PUBLISHED NOVEMBER 5, 1935. Class 1.

331,768. ICE CREAM, ICE CREAM SANDWICHES, SHERBETS AND ICES; FROZEN SUCKERS, CHOCOLATE COATED ICE CREAMS AND CANDY COATED ICES. FREDRIK A. IVERSEN, Dallas, Tex.
Filed May 11, 1935. Serial No. 364,318. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,769. HAND, FACE, AND BODY SOAP WHICH COOLS AS IT CLEANSES. OTTO SOHAN, New York, N. Y.
Filed May 9, 1935. Serial No. 364,701. PUBLISHED NOVEMBER 12, 1935. Class 4.

331,770. SANITARY NAPKINS. KOTEX COMPANY, Chicago, Ill., assignor to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware.
Filed March 10, 1934. Serial No. 348,444. PUBLISHED MAY 15, 1934. Class 44.

331,771. WHISKEY. HERMAN KRAUS, New York, N. Y.
Filed October 11, 1932. Serial No. 342,852. PUBLISHED DECEMBER 26, 1933. Class 49.

331,772. WHISKEY. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn.
Filed October 8, 1935. Serial No. 370,854. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,773. ALE AND STOUT. ALEX D. SHAW & CO., INC., New York, N. Y.
Filed October 1, 1935. Serial No. 369,990. PUBLISHED NOVEMBER 12, 1935. Class 45.

331,774. PAPER TOWELS. COMFORT PAPER CORPORATION, San Francisco, Calif.
Filed October 1, 1935. Serial No. 369,979. PUBLISHED NOVEMBER 5, 1935. Class 37.

331,775. PRINTED ADVERTISING FOLDERS INCLUDING A REPLY CARD, SOLD TO THE TRADE AS SUCH. PRACTICAL SALES-PRODUCERS, INC., New York, N. Y.
Filed August 22, 1935. Serial No. 368,632. PUBLISHED NOVEMBER 12, 1935. Class 38.

331,776. PAINT ENAMELS AND VARNISHES. BERRY BROTHERS, Detroit, Mich.
Filed August 22, 1935. Serial No. 368,552. PUBLISHED NOVEMBER 12, 1935. Class 16.

331,777. BREAD, CAKE, PIES, ROLLS, PASTRY. GOLDMAN'S BAKERY, INC., Central Falls, R. I.
Filed July 27, 1935. Serial No. 367,797. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,778. ADVERTISING PAMPHLETS ISSUED FROM TIME TO TIME AND SOLD TO THE TRADE AS SUCH. ALEXANDER EDSON, New York, N. Y.
Filed July 27, 1935. Serial No. 367,755. PUBLISHED OCTOBER 29, 1935. Class 38.

331,779. LIQUID ASBESTOS ROOF COATING AND PLASTIC ROOF CEMENT. PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex.
Filed July 24, 1935. Serial No. 367,621. PUBLISHED NOVEMBER 12, 1935. Class 16.

331,780. ABRASIVE AND POLISHING COMPOSITION IN BRICK FORM. JOHN J. KENNEDY, Los Angeles, Calif.
Filed July 24, 1935. Serial No. 367,608. PUBLISHED NOVEMBER 12, 1935. Class 4.

331,781. KEY CODE CHARTS DISTRIBUTED TO THE TRADE AS SUCH. BRIGGS & STRATTON CORPORATION, Milwaukee, Wis.
Filed July 22, 1935. Serial No. 367,524. PUBLISHED NOVEMBER 12, 1935. Class 38.

331,782. WHISKEY. ALEXANDER YOUNG DISTILLING COMPANY, Philadelphia, Pa.
Filed October 4, 1935. Serial No. 370,030. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,783. FIBER CRACKER CARTONS. EMPIRE BOX CORPORATION OF DELAWARE, New Brunswick, N. J.
Filed October 2, 1935. Serial No. 369,914. PUBLISHED NOVEMBER 12, 1935. Class 2.

331,784. DOLLS. IDEAL NOVELTY & TOY CO., Long Island City, N. Y.
Filed October 2, 1935. Serial No. 369,965. PUBLISHED NOVEMBER 12, 1935. Class 35.

331,785. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. MONARCH MANUFACTURING COMPANY, Atlanta, Ga.
Filed October 2, 1935. Serial No. 369,977. PUBLISHED NOVEMBER 12, 1935. Class 45.

331,786. WHISKEY. DREMEEN'S WHOLESALE LIQUOR CO., Kansas City, Mo.
Filed October 4, 1935. Serial No. 369,994. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,787. SHOE SPIKES AND CALKS. NORTH & PFEIFFER MFG. CO., Hartford, Conn.
Filed September 5, 1935. Serial No. 369,029. PUBLISHED NOVEMBER 12, 1935. Class 18.

331,788. WRENCHES, WRENCH HANDLES, SCREW DRIVERS, VALVE SPRING COMPRESSING TOOLS, CHISELS, WRENCH SOCKETS, AND SOCKET WRENCHES. SNAP-ON TOOLS, INC., Kenosha, Wis.
Filed September 9, 1935. Serial No. 369,083. PUBLISHED NOVEMBER 12, 1935. Class 23.

331,789. BOOKS. LESLIE CHARTERIS, Weybridge, England.
Filed September 6, 1935. Serial No. 369,047. PUBLISHED OCTOBER 29, 1935. Class 38.

331,790. READY MIXED PAINTS. DAVID ROBERSON, doing business as American Home Paint Co., Brooklyn, N. Y.
Filed September 6, 1935. Serial No. 369,064. PUBLISHED NOVEMBER 12, 1935. Class 16.

331,791. TOBACCO STAIN REMOVER. HARRY E. MYERS, Kansas City, Kans.
Filed September 7, 1935. Serial No. 369,089. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,792. POWDERED CLEANING COMPOUND HAVING INCIDENTAL DEODORIZING PROPERTIES AND RECOMMENDED AS A GENERAL HOUSEHOLD CLEANER FOR PAINTED WALLS, WOODWORK AND BATHROOM AND KITCHEN FIXTURES, ETC. NU WAY LABORATORIES, Cullom, Ill.
Filed September 7, 1935. Serial No. 369,093. PUBLISHED NOVEMBER 12, 1935. Class 4.

331,793. DOG FOOD. FRED D. WOOD, doing business as Wood's Canine Bakery, Upper Darby, Pa.
Filed September 7, 1935. Serial No. 369,116. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,794. LUBRICATING OILS AND GREASES FOR MOTOR VEHICLES, HYDRAULIC BRAKE OILS, CRANK CASE OILS, SHOCK-ABSORBER OILS, AND PENETRATING OILS. Lone Tree, doing business as Gold Star Oil Co., New York, N. Y.
Filed September 9, 1935. Serial No. 369,198. PUBLISHED NOVEMBER 5, 1935. Class 15.

331,795. KNIT RETAINERS MADE OF RUBBER OR OTHER RESILIENT MATERIAL. Jay J. Sundlun, Malden, Mass.
Filed September 9, 1935. Serial No. 369,142. PUBLISHED NOVEMBER 12, 1935. Class 5.

331,796. ICE SHAVING MACHINES. The Sno-Ice Company, Dallas, Tex.
Filed September 10, 1935. Serial No. 369,170. PUBLISHED NOVEMBER 12, 1935. Class 31.

331,797. PERFUMES, TOILET WATERS, FACE POWDERS, TALCUM POWDERS, FACE CREAMS, ROUGE, LIPSTICKS, SACHETS, BATH SALTS, BRILLIANTINE, LOTION FOR THE SKIN AND HAIR. Societe Anonyme Parfumerie F. Millot, Paris, France.
Filed September 10, 1935. Serial No. 369,171. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,798. PAINT BRUSHES AND VARNISH BRUSHES. Hall Hardware Company, Minneapolis, Minn.
Filed September 11, 1935. Serial No. 369,190. PUBLISHED NOVEMBER 12, 1935. Class 29.

331,799. CEREAL PRODUCTS MADE FROM OATS, BARLEY, OR CORN, USEFUL IN PREVENTING RANCIDITY AND DETERIORATION BY APPLYING SAME TO PERISHABLE GOODS AND/OR THE CONTAINERS THEREFOR. The Quaker Oats Company, Chicago, Ill.
Filed September 11, 1935. Serial No. 369,208. PUBLISHED NOVEMBER 12, 1935. Class 50.

331,800. INSERTABLE PLUMBING JOINTS AND FITTINGS. Reading Foundry & Supply Company, Reading, Pa.
Filed September 11, 1935. Serial No. 369,204. PUBLISHED NOVEMBER 12, 1935. Class 13.

331,801. PAPER FOR BOX COVERINGS, ANNOUNCEMENTS, AND GREETING CARDS. Ribbon Paper Corporation, New York, N. Y.
Filed September 11, 1935. Serial No. 369,206. PUBLISHED NOVEMBER 12, 1935. Class 37.

331,802. BREAD. Stroehmann Brothers Company, Harrisburg, Pa.
Filed September 11, 1935. Serial No. 369,210. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,803. CHEMICAL PREPARATIONS FOR THE TREATMENT OF ATHLETE'S FOOT, RINGWORM, JOCK ITCH, AND OTHER SIMILAR SKIN DISEASES. George W. Charlton, doing business as Ex-Tide Laboratory, Raleigh, N. C.
Filed September 5, 1935. Serial No. 368,004. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,804. JAMS, JELLIES, FRUIT PRESERVES, ORANGE MARMALADE, BAKER'S JELLY, TABLE SYRUP, HONEY, FOOD FLAVORING EXTRACTS, TEA, COFFEE, SPICES, PREPARED MUSTARD, HORSE RADISH MUSTARD, VINEGAR, AND MINCE-MEAT. Hewlett Bros. Company, doing business as Family Favorite Packing Corporation, Salt Lake City, Utah.
Filed August 29, 1935. Serial No. 368,476. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,805. LUBRICATING OILS AND GREASES. Pure Brothers Refining Co., New York, N. Y.
Filed August 26, 1935. Serial No. 368,473. PUBLISHED NOVEMBER 5, 1935. Class 15.

331,806. GALVANIZED STEEL WELL BUCKETS, WATER PAILS, GARBAGE CANS, CEMENT PAILS, AND COAT HOOKS, AND ALUMINUM DINNER BUCKETS, AND DAIRY AND HOUSEHOLD PAILS. Richards Hardware Company, St. Louis, Mo.
Filed August 19, 1935. Serial No. 368,461. PUBLISHED NOVEMBER 12, 1935. Class 2.

331,807. WHISKY. James Buchanan & Company Limited, London, England.
Filed August 19, 1935. Serial No. 368,926. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,809. ARCHER'S ELIXARE. Gossage Flexi, Austin, Tex.
Filed August 12, 1935. Serial No. 368,231. PUBLISHED NOVEMBER 12, 1935. Class 11.

331,809. WRENCHES, WRENCH HANDLES, SCREW DRIVERS, VALVE SPRING COMPRESSING TOOLS, CHISELS, WRENCH SOCKETS, AND SOCKET WRENCHES. Snap-On Tools, Inc., Kenosha, Wis.
Filed August 16, 1935. Serial No. 368,194. PUBLISHED NOVEMBER 12, 1935. Class 23.

331,810. WRENCHES, WRENCH HANDLES, SCREW DRIVERS, VALVE SPRING COMPRESSING TOOLS, CHISELS, WRENCH SOCKETS, AND SOCKET WRENCHES. Snap-On Tools, Inc., Kenosha, Wis.
Filed August 16, 1935. Serial No. 368,196. PUBLISHED NOVEMBER 12, 1935. Class 23.

331,811. WRENCHES, WRENCH HANDLES, SCREW DRIVERS, VALVE SPRING COMPRESSING TOOLS, CHISELS, WRENCH SOCKETS, AND SOCKET WRENCHES. Snap-On Tools, Inc., Kenosha, Wis.
Filed August 19, 1935. Serial No. 368,192. PUBLISHED NOVEMBER 12, 1935. Class 23.

331,812. HAND LUGGAGE, SUIT CASES, HAT BOXES, WARDROBE CASES, AND PULLMAN CASES. R. H. Macy & Co., Inc., New York, N. Y.
Filed August 19, 1935. Serial No. 368,181. PUBLISHED NOVEMBER 5, 1935. Class 3.

331,813. NEWSPAPER SECTION. Morning Telegraph Sports News, Inc., New York, N. Y.
Filed August 9, 1935. Serial No. 368,143. PUBLISHED OCTOBER 29, 1935. Class 38.

331,814. CANNED PINEAPPLE. Hazel-Atlas Company, Manhattan, Ohio.
Filed August 8, 1935. Serial No. 368,182. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,815. TRADE JOURNAL. The Epicurean Press, Inc., New York, N. Y.
Filed August 6, 1935. Serial No. 368,062. PUBLISHED OCTOBER 29, 1935. Class 38.

331,816. JAMAICA RUM. Bloomingdale Bros., Inc., New York, N. Y.
Filed August 6, 1935. Serial No. 368,027. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,817. SOAPLESS SHAMPOO. August Damell, doing business as Golda Company, Allentown, Pa.
Filed August 5, 1935. Serial No. 367,990. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,818. VANILLA, SPEARMINT, LEMON, ALMOND, CLOVE, CELERY, CINNAMON, IMITATION VIOLET, NUTMEG, IMITATION PISTACHIO, PEACH, PINEAPPLE, RASPBERRY, ONION, STRAWBERRY, CHERRY, PEPPERMINT, ORANGE, WINTERGREEN, ROSE, COFFEE, CHICKEN BERRY, AND ANISE FOOD FLAVORING EXTRACTS. Badger Extract Company, Springfield, Mass.
Filed August 5, 1935. Serial No. 367,967. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,819. BAKERY PRODUCTS—NAMELY, WHOLE WHEAT BREAD. Bread Rationing Service, Inc., New York, N. Y.
Filed August 2, 1935. Serial No. 367,813. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,820. AUTOMOBILE AND FURNITURE POLISH. Lee Oschner, doing business as Sin-Wax Products Co., Mangum, Okla.
Filed July 31, 1935. Serial No. 367,626. PUBLISHED NOVEMBER 12, 1935. Class 15.

331,821. CELLULOSE PAPER ROSETTES OR BOWS FOR USE IN DECORATING PACKAGES, GIFTS, BOXES, FLOWER POTS, AND OTHER SIMILAR ITEMS. Edwin H. Scully, Chicago, Ill.
Filed July 27, 1935. Serial No. 367,780. PUBLISHED NOVEMBER 5, 1935. Class 37.

331,822. HANDICAPPER CARDS FOR RACES PUBLISHED FROM DAY TO DAY. Thomas M. Hoyle, Washington, D. C.
Filed July 27, 1935. Serial No. 367,760. PUBLISHED OCTOBER 29, 1935. Class 38.

331,823. HYDROCARBON FUELS SUCH AS GASOLINE AND CHEMICALLY TREATED LUBRICATING COMPOSITIONS SUCH AS LUBRICATING OIL AND GREASE. The Lubri-Zol Corporation, Wickliffe, Ohio.
Filed May 6, 1935. Serial No. 364,560. PUBLISHED JUNE 25, 1935. Class 15.

331,824. PIECE GOODS IN THE NATURE OF CLOAKINGS MADE WHOLLY OR PARTIALLY OF COTTON AND WOOL AND CAMEL'S HAIR. Somerville Mf'g. Company, Somerville, Conn.
Filed May 2, 1935. Serial No. 364,457. PUBLISHED SEPTEMBER 24, 1935. Class 42.

331,825. WHISKY. John A. Wathen Distillery Co., Louisville and Lebanon, Ky.
Filed October 8, 1934. Serial No. 360,750. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,826. DAIRY PRODUCTS—NAMELY, COTTAGE CHEESE AND CHEESE SPREAD. Kewaskum Creamery Company, Kewaskum, Wis.
Filed October 1, 1934. Serial No. 360,624. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,827. RUM. Farrow & Wise, Inc., Boston, Mass.
Filed October 1, 1935. Serial No. 370,097. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,828. LAXATIVE PREPARATION. Allan & Company, Inc., St. Louis, Mo.
Filed September 30, 1935. Serial No. 369,840. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,829. RUM, WHISKEY, AND GIN. American Spirits, Inc., New York, N. Y.
Filed October 1, 1935. Serial No. 369,870. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,830. TREAD STOCK USED IN TIRE RETREADING. Walter J. Jarrett, doing business as Safety Vulcanizer Co., Chicago, Ill.
Filed September 3, 1935. Serial No. 368,967. PUBLISHED NOVEMBER 12, 1935. Class 39.

331,831. HAIR TONIC, SHAMPOO, HAIR OIL, AND FACE LOTION. Mirama Co., Portland and Milwaukie, Oreg.
Filed August 31, 1935. Serial No. 368,882. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,832. CRACKERS. Kennedy Weil Baking Company, Philadelphia, Pa.
Filed August 31, 1935. Serial No. 368,890. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,833. LAGER BEER. Fred Gunst Brewing Corporation, Baltimore, Md.
Filed August 31, 1935. Serial No. 368,855. PUBLISHED NOVEMBER 12, 1935. Class 45.

331,834. FRESH FRUIT—NAMELY, TABLE GRAPES. M. Caloggo, Stockton, Calif.
Filed August 31, 1935. Serial No. 368,876. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,835. PLASTO-REFRACTORY MORTAR. Quigley Company, Inc., New York, N. Y.
Filed August 30, 1935. Serial No. 368,668. PUBLISHED NOVEMBER 12, 1935. Class 12.

331,836. UPHOLSTERED CHAIRS, DAVENPORTS, COUCHES, STOOLS, AND CUSHIONS. The Wolwin Chair Co., Willoughby, Ohio.
Filed August 29, 1935. Serial No. 368,626. PUBLISHED NOVEMBER 12, 1935. Class 32.

331,837. BREAD. Stroehmann Brothers Company, Harrisburg, Pa.
Filed August 29, 1935. Serial No. 368,824. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,838. BREAD. Stroehmann Brothers Company, Harrisburg, Pa.
Filed August 29, 1935. Serial No. 368,825. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,839. BREAD. Stroehmann Brothers Company, Harrisburg, Pa.
Filed August 29, 1935. Serial No. 368,822. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,840. BREAD. Stroehmann Brothers Company, Harrisburg, Pa.
Filed August 29, 1935. Serial No. 368,821. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,841. BREAD. Stroehmann Brothers Company, Harrisburg, Pa.
Filed August 29, 1935. Serial No. 368,820. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,842. PRODUCT OF A PROCESS OF PRINTING OR LITHOGRAPHY—VIZ., POSTERS. The Forbes Lithograph Manufacturing Company, Chelsea, Mass.
Filed August 29, 1935. Serial No. 368,803. PUBLISHED NOVEMBER 12, 1935. Class 38.

331,843. ELECTRIC SIGNS. Biolite, Inc., New York, N. Y.
Filed August 29, 1935. Serial No. 368,797. PUBLISHED NOVEMBER 12, 1935. Class 21.

331,844. WRENCHES, WRENCH HANDLES, SCREW DRIVERS, VALVE SPRING COMPRESSING TOOLS, CHISELS, WRENCH SOCKETS, AND SOCKET WRENCHES. Snap-On Tools, Inc., Kenosha, Wis.
Filed August 26, 1935. Serial No. 368,782. PUBLISHED NOVEMBER 12, 1935. Class 23.

331,845. MEDICINAL HERB BEVERAGE AND HERB SALVE USED FOR THE RELIEF OF ECZEMA, SORES, AND ITCHING, FOR EXTERNAL USE, PREPARED FROM CERTAIN HERBS. Michal J. Manowicz, doing business as M. J. M. Herbs Company, Buffalo, N. Y.
Filed August 27, 1935. Serial No. 368,751. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,846. PRESSURE RESPONSIVE ELECTRICAL CONTROL APPARATUS FOR HEATING OR OTHER AIR CONDITION CHANGING SYSTEMS. Minneapolis-Honeywell Regulator Company, Minneapolis, Minn.
Filed August 26, 1935. Serial No. 368,701. PUBLISHED NOVEMBER 12, 1935. Class 26.

331,847. MOTION PICTURE FILMS, MOTION SOUND FILMS AND MOTION PICTURE AND SOUND FILMS. American International Distributing Corporation, Los Angeles, Calif.
Filed August 26, 1935. Serial No. 368,675. PUBLISHED NOVEMBER 12, 1935. Class 38.

331,848. DUPLICATING MACHINES. Speed-O-Print Corporation, Chicago, Ill.
Filed August 24, 1935. Serial No. 368,670. PUBLISHED NOVEMBER 12, 1935. Class 38.

331,849. LUMBER, TIMBER PREPARED FOR CONSTRUCTION MATERIAL, WALLBOARDS, PLYWOOD, COMPOSITION ROOFING, THERMAL INSULATION, AND ALL MILLWORK ITEMS. Bishop Lumber Company, Chicago, Ill.
Filed August 24, 1935. Serial No. 368,655. PUBLISHED NOVEMBER 12, 1935. Class 12.

331,850. ZINC SULFIDE FOR USE AS PAINT PIGMENT. American Zinc Sales Company, St. Louis, Mo.
Filed May 18, 1935. Serial No. 364,848. PUBLISHED NOVEMBER 12, 1935. Class 16.

331,851. GOLF CLUBS AND GOLF SHAFTS. THE HOSTON MANUFACTURING COMPANY, Bristol, Conn.
Filed October 8, 1935. Serial No. 370,143. PUBLISHED NOVEMBER 12, 1935. Class 22.

331,852. WHISKEY. HUNTER BALTIMORE RYE DISTILLERY, INC., Baltimore, Md.
Filed October 8, 1935. Serial No. 370,145. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,853. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JOSEPHSON BROS., INC., Ashland, Ky.
Filed October 7, 1935. Serial No. 370,162. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,854. PHONOGRAPHS, MACHINES FOR PHONOGRAPHICALLY RECORDING, MACHINES FOR PHONOGRAPHICALLY REPRODUCING, ETC. DICTAPHONE CORPORATION, Bridgeport, Conn.
Filed October 10, 1935. Serial No. 370,215. PUBLISHED NOVEMBER 26, 1935. Class 36.

331,855. SCOTCH WHISKEY. WILLIAM GRIGOR & SON, Inverness, Scotland.
Filed October 10, 1935. Serial No. 370,216. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,856. ALE. PEORIA-PABST CORPORATION, Peoria Heights, Ill.
Filed October 10, 1935. Serial No. 370,227. PUBLISHED NOVEMBER 19, 1935. Class 43.

331,857. GIN, WHISKEY, AND BRANDY. WALKER'S OF BOSTON, INC., Boston, Mass.
Filed October 10, 1935. Serial No. 370,231. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,858. SCOTCH WHISKEY. PHILIP BLUM & COMPANY, Inc., Chicago, Ill.
Filed October 11, 1935. Serial No. 370,242. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,859. WHISKEY. ESTHER L. CARTER, doing business as Carter Liquor & Wine Co., Prestonsburg, Ky.
Filed October 11, 1935. Serial No. 370,244. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,860. COIN CONTROLLED AMUSEMENT APPARATUS. Genco, Inc., Chicago, Ill.
Filed October 11, 1935. Serial No. 370,254. PUBLISHED NOVEMBER 19, 1935. Class 22.

331,861. WHISKEY, GIN, RUM, BRANDY AND ALCOHOLIC CORDIALS. NUSSBAUM LIQUOR STORE, INC., New York, N. Y.
Filed October 11, 1935. Serial No. 370,269. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,862. WHISKEY. OLDETYME DISTILLERS, INC., New York, N. Y.
Filed October 11, 1935. Serial No. 370,271. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,863. BEER. THE OERTEL COMPANY, INCORPORATED, Louisville, Ky.
Filed October 11, 1935. Serial No. 370,272. PUBLISHED NOVEMBER 19, 1935. Class 43.

331,864. WHISKEY, GIN, BRANDY, COGNAC, RUM, AND ALCOHOLIC CORDIALS. THE FRANK L. WEBER DISTILLING COMPANY, Baltimore, Md.
Filed October 11, 1935. Serial No. 370,284. PUBLISHED NOVEMBER 19, 1935. Class 49.

331,865. WHISKEY. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky.
Filed October 14, 1935. Serial No. 370,343. PUBLISHED NOVEMBER 19, 1935. Class 49.

331,866. DRY GIN. FINE WORSTEINER, INCORPORATED, Kansas City, Mo.
Filed October 14, 1935. Serial No. 370,372. PUBLISHED NOVEMBER 19, 1935. Class 49.

331,867. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE NEW ENGLAND DISTILLING COMPANY, Covington, Ky.
Filed October 16, 1935. Serial No. 370,419. PUBLISHED NOVEMBER 19, 1935. Class 49.

331,868. ROLLER SKATES. THE PEDE, SHOW & WHEEL COMPANY, Southington, Conn.
Filed October 16, 1935. Serial No. 370,427. PUBLISHED NOVEMBER 19, 1935. Class 21.

331,869. DRY CLEANING APPARATUS PARTICULARLY FILTERING UNITS AND STILLS FOR DRY CLEANING SYSTEMS. THE BAND BOX CORPORATION, St. Louis, Mo.
Filed October 16, 1935. Serial No. 370,443. PUBLISHED NOVEMBER 19, 1935. Class 24.

331,870. WHISKEY, GIN, RUM, BRANDY AND ALCOHOLIC CORDIALS. INTERSTATE DISTILLERS, Inc., Baltimore, Md.
Filed October 16, 1935. Serial No. 370,511. PUBLISHED NOVEMBER 19, 1935. Class 49.

331,871. CLOSURES FOR BOTTLES AND CONTAINERS. ARMSTRONG CORK PRODUCTS COMPANY, Lancaster, Pa.
Filed September 27, 1935. Serial No. 369,761. PUBLISHED NOVEMBER 12, 1935. Class 50.

331,872. PREPARATION FOR SECURING DENTAL PLATES IN PLACE. FASTENDEN INCORPORATED, Binghamton, N. Y.
Filed September 27, 1935. Serial No. 369,764. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,873. BOARD GAME PLAYED WITH MOVABLE PIECES. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed October 4, 1935. Serial No. 370,014. PUBLISHED NOVEMBER 12, 1935. Class 22.

331,874. TOOTH BRUSHES. WALDORF CO., Chicago, Ill.
Filed February 25, 1935. Serial No. 361,329. PUBLISHED NOVEMBER 5, 1935. Class 23.

331,875. POLISHING, GRINDING, STONE BLASTING, AND REFRACTORY ABRASIVE MATERIAL, ABRASIVE WHEELS, ABRASIVE PAPER AND CLOTH. THE JOHN W. HINMAN COMPANY, New York, N. Y.
Filed February 27, 1935. Serial No. 361,936. PUBLISHED NOVEMBER 12, 1935. Class 4.

331,876. POLISHING, GRINDING, STONE BLASTING, AND REFRACTORY ABRASIVE MATERIAL, ABRASIVE WHEELS, ABRASIVE PAPER AND CLOTH. THE JOHN W. HINMAN COMPANY, New York, N. Y.
Filed February 27, 1935. Serial No. 361,940. PUBLISHED NOVEMBER 12, 1935. Class 4.

331,877. FURNITURE AND AUTOMOBILE POLISH. WILBERT PRODUCTS CO., INC., New York, N. Y.
Filed March 21, 1935. Serial No. 362,858. PUBLISHED NOVEMBER 19, 1935. Class 16.

331,878. CIRCULARS, BULLETINS, OR PAMPHLETS. MARKET TRENDS, Inc., Denver, Colo.
Filed May 11, 1935. Serial No. 364,837. PUBLISHED OCTOBER 29, 1935. Class 35.

331,879. WHISKY. OLD KENTUCKY DISTILLERY, INCORPORATED, Louisville, Ky.
Filed October 7, 1935. Serial No. 370,117. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,880. FACIAL TISSUE ROLLS. THE KIMBERLY-CLARK CO., INC., Brooklyn, N. Y.
Filed September 28, 1935. Serial No. 369,831. PUBLISHED NOVEMBER 5, 1935. Class 37.

331,881. DETERGENT COMPOUND FOR GENERAL WASHING AND CLEANSING. LEVER BROTHERS COMPANY, Cambridge, Mass.
Filed September 28, 1935. Serial No. 369,818. PUBLISHED NOVEMBER 12, 1935. Class 4.

331,882. HEATING BOILERS. THEIM HEATER BOILER WORKS COMPANY, Terre Haute, Ind.
Filed September 30, 1935. Serial No. 369,880. PUBLISHED NOVEMBER 12, 1935. Class 34.

331,883. NON-ALCOHOLIC MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SYRUPS, AND EXTRACTS FOR MAKING THE SAME. PEPSTO, INC., Detroit, Mich.
Filed September 15, 1935. Serial No. 369,874. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,884. BURIAL VAULTS, MAUSOLEUMS, AND CASKET CONTAINERS. EDWIN F. NICKOL, INC., Versailles, Ohio.
Filed September 16, 1935. Serial No. 369,370. PUBLISHED NOVEMBER 19, 1935. Class 2.

331,885. ARTICLES OF JEWELRY—NAMELY, NECKLACES, BRACELETS, FINGER RINGS, BUCKLES, PINS, BROOCHES, EAR RINGS, PENDANTS, AND THE LIKE, NOT INCLUDING WATCHES MADE WHOLLY OR IN PART OF PRECIOUS METALS OR PLATED WHOLLY OR IN PART WITH PRECIOUS METALS. FORSTNER CHAIN CORPORATION, Irvington, N. J.
Filed September 16, 1935. Serial No. 369,348. PUBLISHED NOVEMBER 19, 1935. Class 28.

331,886. LUBRICATING OILS AND GREASES. AMERICAN PRIDE OIL CO., Chicago, Ill.
Filed September 16, 1935. Serial No. 369,320. PUBLISHED NOVEMBER 12, 1935. Class 15.

331,887. YARN, THREAD, TWINE, AND CORD FOR NEEDLEWORK AND STITCHING PURPOSES. TEXTILE THREAD COMPANY, Boston, Mass.
Filed January 31, 1935. Serial No. 360,915. PUBLISHED NOVEMBER 5, 1935. Class 48.

331,888. PIPE-TONGS, JAW-VICES, JAW-VICES FOR PIPES, TOOLS AND IMPLEMENTS FOR THREADING SCREWS, FLANGING TOOLS, TOOLS AND IMPLEMENTS FOR CUTTING AND THREADING PIPES, ETC. AKTIENGESELLSCHAFT DER EISEN- UND STAHLWERKE VORMALS GEORG FISCHER, Schaffhausen, Switzerland.
Filed January 21, 1935. Serial No. 360,450. PUBLISHED NOVEMBER 12, 1935. Class 23.

331,889. FRESH HOGS. GEORGE A. KING, New London, Ohio.
Filed January 18, 1935. Serial No. 360,224. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,890. BRANDY. ALBERT FOURNIER, Barbezieux, France.
Filed December 22, 1934. Serial No. 359,580. PUBLISHED NOVEMBER 19, 1935. Class 49.

331,891. IRON AND STEEL STRAPPING EMPLOYED IN REENFORCING BOXES, CRATES, BALES, AND PACKAGES, AND IN LOADING FREIGHT CARS AND OTHER CARRIERS. ACME STEEL COMPANY, Chicago, Ill.
Filed December 22, 1934. Serial No. 359,562. PUBLISHED NOVEMBER 12, 1935. Class 18.

331,892. IRON AND STEEL STRAPPING EMPLOYED IN REENFORCING BOXES, CRATES, BALES, AND PACKAGES, AND IN LOADING FREIGHT CARS AND OTHER CARRIERS. ACME STEEL COMPANY, Chicago, Ill.
Filed December 22, 1934. Serial No. 359,569. PUBLISHED NOVEMBER 12, 1935. Class 18.

331,893. BRANDY. JANNEAU FILS & CIE, Condeo, France.
Filed November 30, 1934. Serial No. 358,332. PUBLISHED NOVEMBER 12, 1935. Class 49.

331,894. ABRASIVE WHEELS FOR GRINDING AND SHARPENING USES. UNITED ABRASIVE SUPPLY COMPANY, New York, N. Y.
Filed November 13, 1934. Serial No. 358,191. PUBLISHED NOVEMBER 12, 1935. Class 4.

331,895. VERMOUTH. MELQUIADES SAENZ RODRIGUEZ, Magner-Huelva, Spain.
Filed October 22, 1934. Serial No. 357,442. PUBLISHED NOVEMBER 12, 1935. Class 47.

331,896. BICYCLES. THE WESTFIELD MANUFACTURING COMPANY, Westfield, Mass.
Filed October 18, 1934. Serial No. 357,267. PUBLISHED NOVEMBER 12, 1935. Class 19.

331,897. BICYCLES. THE WESTFIELD MANUFACTURING COMPANY, Westfield, Mass.
Filed October 18, 1934. Serial No. 357,266. PUBLISHED NOVEMBER 12, 1935. Class 19.

331,898. SELF-RISING FLOUR PREPARED WITH UHOSPHATE LEAVENING. YUKON MILL AND GRAIN COMPANY, Yukon, Okla.
Filed October 11, 1934. Serial No. 357,081. PUBLISHED FEBRUARY 19, 1935. Class 46.

331,899. KIT CONTAINING AN ICE TONG AND AN ICE PICK FOR GENERAL HOUSEHOLD USES. JOSEPH A. MARTOCELLO, doing business as Jos. A. Martocello & Co., Philadelphia, Pa.
Filed September 4, 1935. Serial No. 368,984. PUBLISHED NOVEMBER 12, 1935. Class 28.

331,900. CANNED PEELED CHILI PEPPERS, CANNED PIMIENTOS. B. C. ORTEGA COMPANY, INC., Los Angeles, Calif.
Filed September 3, 1935. Serial No. 368,944. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,901. CANNED PIMIENTOS. B. C. ORTEGA COMPANY, INC., Los Angeles, Calif.
Filed September 3, 1935. Serial No. 368,943. PUBLISHED NOVEMBER 12, 1935. Class 46.

331,902. CLEANING FLUID DISPENSING DEVICE USED TO CLEAN RUGS, CARPETS, UPHOLSTERY, AND OTHER FABRICS, AND COMPRISING A FLUID CONTAINER AND STAND THEREFOR, AND HOSE, AND AN APPLICATOR. THE KESTONE CHEMICAL CO., Inc., Cleveland, Ohio.
Filed April 1, 1935. Serial No. 363,286. PUBLISHED NOVEMBER 12, 1935. Class 23.

331,903. GOLF PRACTICE DEVICE. WILLIAM STERNBERG, Minneapolis, Minn.
Filed April 1, 1935. Serial No. 363,276. PUBLISHED NOVEMBER 12, 1935. Class 22.

331,904. SANITARY NAPKINS. KOTEX COMPANY, Chicago, Ill., assignor to International Cellucotton Products Company, of Chicago, Ill., a corporation of Delaware.
Filed September 8, 1934. Serial No. 355,843. PUBLISHED OCTOBER 29, 1935. Class 44.

331,905. VINEGAR, CATSUP, RICE, CANNED TUNA, SHRIMP, EVAPORATED MILK, FRUITS FOR SALAD, CORN, PINEAPPLE, MIXED VEGETABLES, PEAS, STRINGLESS BEANS, ETC. PERLOFF BROS., doing business as Chester Wholesale Grocery Co., Philadelphia, Pa.
Filed August 15, 1934. Serial No. 355,037. PUBLISHED NOVEMBER 12, 1935. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

331,906. (CLASS 19. PAINTS AND PAINTERS' MATERIALS.) HANCOCK PAINT & VARNISH CO., North Quincy, Mass. Filed Dec. 28, 1934. Serial No. 360,035.

HANCOCK

SOFT-SHEEN

For Paint Enamels.
Claims use since November, 1934.

331,907. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) NEEDLECRAFT SERVICE INC., New York, N. Y. Filed Nov. 28, 1934. Serial No. 356,745.

Laura Wheeler

For Paper Patterns for Needlework Articles in the Nature of Towels, Quilts, Pillows, Etc.
Claims use since Apr. 10, 1933.

331,908. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARRY ESSER, New York, N. Y. Filed Dec. 5, 1934. Serial No. 358,914.

RUXTON

For Razor Blades.
Claims use since Nov. 19, 1934.

331,909. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COOPER & COOPER, INC., Brooklyn, N. Y. Filed Dec. 19, 1934. Serial No. 359,461.

DIXON

For Safety Razor Blades.
Claims use since Dec. 4, 1934.

331,910. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHEBOYGAN DAIRY PRODUCTS COMPANY, doing business as Verifine Dairy Products Company, Sheboygan, Wis. Filed Apr. 17, 1935. Serial No. 362,990.

Verifine

SHEBOYGAN DAIRY PRODUCTS CO.

Applicant is the owner of trade-mark registration No. 281,435.
For Powdered Skimmed Milk.
Claims use since Jan. 7, 1930.

331,911. (CLASS 37. PAPER AND STATIONERY.) MANHATTAN STATIONERY CO., INC., New York, N. Y. Filed May 21, 1935. Serial No. 365,826.

MADISON

For Lead Pencils.
Claims use since Oct. 11, 1926.

331,912. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) CLAUDE G. WATSON, Los Angeles, Calif. Filed June 17, 1935. Serial No. 366,909.

"ROL-DRI"

For Mops.
Claims use since June 1, 1932.

331,913. (CLASS 37. PAPER AND STATIONERY.) CAREY GARFIELD GREGORY, doing business as Gregory Ink Company, Los Angeles, Calif. Filed June 22, 1935. Serial No. 366,814.

FOUNT-O-INK

For Ink Stands and Desk Sets.
Claims use since Dec. 15, 1934.

331,914. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VINCENZO L. CAVANNA, Philadelphia, Pa. Filed Sept. 17, 1935. Serial No. 369,207.

Ann Newton

For Home-Made Food Products—Namely, Marmalade, Fruit Cake.
Claims use since April, 1934.

331,915. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) TOWER PRODUCTS CO., Chicago, Ill. Filed Oct. 24, 1935. Serial No. 370,786.

HOOK-ON

For Paper, Cardboard, Composition, Fabric, and Metal Cutouts for Dolls.
Claims use since Oct. 4, 1934.

331,916. (CLASS 19. PAINTS AND PAINTERS' MATERIALS.) ILLINOIS FARM SUPPLY COMPANY, Chicago, Ill. Filed Nov. 16, 1935. Serial No. 371,031.

SOYOIL

For Ready-Mixed Paints and Paint Enamels.
Claims use since October, 1931.

331,917. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ERNSTMEYER & CLOTHIER, Philadelphia, Pa. Filed Nov. 12, 1935. Serial No. 371,478.

WINDHAM

For Radio Receiving Sets.
Claims use since Dec. 1, 1928.

331,918. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COMBS PHARMACEUTICAL CO., Chicago, Ill. Filed Oct. 26, 1935. Serial No. 370,525.

Urolithia

For Medicine Comprising a Combination of Methenamine, Sodium Benzoate, Lithium Benzoate, and Glycerine, Combined in Substantially Equal Parts of Triticum and Zea, for Use as a Genito-Urinary, Gastro-Intestinal Antiseptic, Diuretic, and Eliminant.
Claims use since Mar. 11, 1914.

331,919. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) GLASS COFFEE BREWER CORP., Chicago, Ill. Filed Oct. 31, 1935. Serial No. 371,027.

CORY

For Coffee Making Apparatus—viz., Glass Coffee Brewers Including Funnels, Together with Associated Filters and Strainers, and also Decanters and Covers and Handles Therefor.
Claims use since May 20, 1934.

331,920. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GREAT SEUFF PRODUCTS CO., INC., West New York, N. J. Filed Nov. 5, 1935. Serial No. 371,211.

Spray-On

For Window Cleaning Solution.
Claims use since Dec. 8, 1932.

TRADE-MARK REGISTRATIONS RENEWED

105,981. CLOTH FOR POLISHING GLASSES. Registered September 7, 1915. KLEENO-GLASS-KLOTH MFG. CO., St. Louis, Mo. Renewed September 7, 1935, to Kleeno Manufacturing Company, St. Louis, Mo., a corporation of Missouri, successor.

106,807. CANNED SALMON. Registered October 19, 1915. EVERETT PACKING CO., Everett, Wash. Renewed October 19, 1935, to Fishermen's Packing Corporation, Everett, Wash., a corporation of Washington, assignee.

106,884. PEAT. Registered October 26, 1915. EDUARD DICKERHOFF, doing business as Torfverwertung "Fegefeuermoor" Eduard Dyckerhoff, Neustadt, near Ribbensen, Hanover, Germany. Renewed October 26, 1935.

107,133. WOOLEN PIECE GOODS. Registered November 9, 1915. WOOL PRODUCTS CO. INC., Watertown, N. Y. Renewed November 9, 1935, to Max Stubins, doing business as Kumfy Woolen Mills, New York, N. Y., successor.

107,206. CATARRHAL JELLY. Registered November 16, 1915. BERT SEWELL & CO., doing business as Sewell Supreme Catarrhal Jelly Company, Kansas City, Mo., a firm. Renewed November 16, 1935.

107,334. PERIODICAL PUBLICATIONS. Registered November 16, 1915. BABSON'S STATISTICAL ORGANIZATION, Incorporated, Wellesley, Mass. Renewed November 16, 1935, to Babson's Reports, Incorporated, Wellesley Hills, Mass., a corporation of Massachusetts, assignee.

107,521. CANNED SALMON. Registered November 23, 1915. EVERETT PACKING CO. Renewed November 23, 1935, to Fishermen's Packing Corporation, Everett, Wash., a corporation of Washington, assignee.

107,522. CANNED SALMON. Registered November 23, 1915. EVERETT PACKING CO. Renewed November 23, 1935, to Fishermen's Packing Corporation, Everett, Wash., a corporation of Washington, assignee.

107,823. CANNED SALMON. Registered November 23, 1915. EVERETT PACKING CO. Renewed November 23, 1935, to Fishermen's Packing Corporation, Everett, Wash., a corporation of Washington, assignee.

107,368. INSECTICIDES AND RODENT-POISONS. Registered November 23, 1915. JOHN OPITZ, INC., New York, N. Y. Renewed November 23, 1935, to John Opitz, Inc., Long Island City, N. Y., a corporation of New York.

107,635. HOSIERY. Registered December 14, 1915. RICHMOND HOSIERY MILLS, Rossville, Ga., a corporation of Georgia. Renewed December 14, 1935.

107,676. DOG-BISCUIT. Registered December 21, 1915. CHAMPION ANIMAL FOOD COMPANY, St. Paul, Minn. Renewed December 21, 1935, to Champion Animal Food Company, Minneapolis, Minn., a corporation of Minnesota, assignee.

107,709. BABBITT METAL. Registered December 28, 1915. WOODWARD, WIGHT & CO., LTD., New Orleans, La., a corporation of Louisiana. Renewed December 28, 1935.

107,857. INSECTICIDES AND RODENT-POISONS. Registered December 28, 1915. JOHN OPITZ, INC., New York, N. Y. Renewed December 28, 1935, to John Opitz, Inc., Long Island City, N. Y., a corporation of New York.

107,935. CANNED FRUITS. Registered January 4, 1916. PACIFIC COAST CANNING CO. Renewed January 4, 1936, to Pacific Coast Canners, Inc., Oakland, Calif., a corporation of California, assignee.

108,066. MIXED FEEDS FOR HORSE, MULE, AND DAIRY USE. Registered January 18, 1916. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Renewed January 18, 1936.

108,135. CANNED FRUITS AND CANNED VEGETABLES. Registered January 18, 1916. PACIFIC COAST CANNING CO. Renewed January 18, 1936, to Pacific Coast Canners, Inc., Oakland, Calif., a corporation of California, assignee.

108,449. VENTILATING-SHADES FOR CONTROLLING THE ENTRY OF LIGHT AND AIR INTO BUILDINGS. Registered February 8, 1916. SIMON VENTILIGHTER CO., INC., New York, N. Y., a corporation of New York. Renewed February 8, 1936.

108,722. FURNITURE, FLOOR, AND AUTOMOBILE POLISH. Registered February 22, 1916. MIRROLIKE MFG. CO., a firm composed of Karl A. Sandhop and Hugo Kiel, as assignee of Karl A. Sandhop, New York, N. Y. Renewed February 22, 1936, to Mirrolike Manufacturing Company, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

108,734. A PLASTIC COMPOUND FOR WATERPROOFING SURFACES. Registered February 22, 1916. THE ARCO COMPANY. Renewed February 22, 1936, to The Arco Company, Cleveland, Ohio, a corporation of Ohio, assignee.

108,840. BOOTS AND SHOES MADE OF LEATHER. Registered February 29, 1916. J. E. WINCHELL & CO. INC., Haverhill, Mass. Renewed February 29, 1936, to Winchell Shoe Manufacturing Co., Natick and Boston, Mass., a corporation of Massachusetts, assignee.

109,214. A HORSE FEED. Registered March 28, 1916. INTERNATIONAL SUGAR FEED CO., Minneapolis, Minn., a corporation of Minnesota. Renewed March 28, 1936.

109,215. A HORSE FEED. Registered March 28, 1916. INTERNATIONAL SUGAR FEED NO. TWO CO., Minneapolis, Minn. Renewed March 28, 1936, to International Sugar Feed No. Two Co., Memphis, Tenn., a corporation of Minnesota.

109,348. A MONTHLY PERIODICAL. Registered April 4, 1916. INTERNATIONAL HARVESTER COMPANY OF AMERICA, Chicago, Ill., a corporation of Wisconsin. Renewed April 4, 1936.

109,459. SOIL-TILLING MACHINES—NAMELY, SOIL-PULVERIZERS AND CORRUGATED ROLLERS. Registered April 11, 1916. THE DUNHAM COMPANY. Renewed April 11, 1936, to The Dunham Company, Berea, Ohio, a corporation of Ohio, assignee by mesne assignments.

109,607. CERTAIN NAMED OILS, OILS USED IN DISINFECTANTS, WOOD-ACIDS, AND PINE-CREOSOTE. Registered April 11, 1916. [illegible] Co., Jacksonville, Fla. Renewed April 11, 1936, to Southern Pine Chemical Company, Jacksonville, Fla., and Cleveland, Ohio, a corporation of Ohio, successor.

109,656. WOMEN'S BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER AND CLOTH. Registered April 11, 1916. J. J. GROVER'S SONS, Lynn, Mass. Renewed April 11, 1936, to J. J. Grover Shoe Company, Stoneham, Mass., a corporation of Massachusetts, assignee by mesne assignments.

109,679. ENGRAVERS' PLATES OF CERTAIN NAMED METALS AND PHOTO-ENGRAVERS' COPPER AND ZINC. Registered April 11, 1916. WILLIAM F. MAILOT. Renewed April 11, 1936, to Atlantic Zinc Works, Inc., New York, N. Y., a corporation of New York, assignee.

109,712. CERTAIN NAMED FOODS. Registered April 18, 1916. THE J. S. BROWN MERCANTILE CO., Denver, Colo., a corporation of Colorado. Renewed April 18, 1936.

109,734. CARBONATED WATER. Registered April 18, 1916. THE CALSO CO., Vallejo, Calif. Renewed April 18, 1936, to The Calso Co., San Francisco, Calif., a corporation of California.

109,841. BOND-PAPERS, LEDGER-PAPERS, BOOK-PAPERS, AND LINEN WRITING-PAPERS. Registered April 18, 1916. NEENAH PAPER COMPANY, Neenah, Wis., a corporation of Wisconsin. Renewed April 18, 1936.

109,899. WRENCHES, CLIPPERS, PUNCHES, DRILLS, HAMMERS, GRINDING-MACHINES, FLUE-EXPANDERS, WIRE-CUTTERS, SEAMERS, SHEARS, AND PRESSES. Registered April 25, 1916. HELWIG MANUFACTURING COMPANY. Renewed April 25, 1936, to Helwig Manufacturing Company, St. Paul, Minn., a [illegible], successor.

110,030. BRACELETS. Registered May 2, 1916. COHN & ROSENBERGER, INC., New York, N. Y., and Providence, R. I. Renewed May 2, 1936, to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York.

110,220. SHEET-METAL PARTITIONS. Registered May 9, 1916. ROBERT F. CARPENTER. Renewed May 9, 1936, to The Sanymetal Products Company, Inc., Cleveland, Ohio, a corporation of Ohio, successor.

110,248. CERTAIN YEAST FOOD. Registered May 9, 1916. WARD BAKING COMPANY. Renewed May 9, 1936, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

110,297. KID AND GLAZED KID. Registered May 9, 1916. RUBY KID COMPANY, Camden, N. J., a corporation of New Jersey. Renewed May 9, 1936.

110,276. VINEGAR AND EVAPORATED FRUITS. Registered May 9, 1916. HOOD RIVER APPLE VINEGAR CO. Renewed May 9, 1936, to Apple Growers Association, Hood River, Oreg., a corporation of Oregon, successor.

110,367. CERTAIN NAMED FOODS. Registered May 16, 1916. THE J. S. BROWN MERCANTILE CO., Denver, Colo., a corporation of Colorado. Renewed May 16, 1936.

LABELS

REGISTERED JANUARY 21, 1936

46,980.—*Title:* BADGER CLUB CHEESE FOOD. For a Cheese Food. ALTMANN-HACKBARTH DAIRY COMPANY, Black Creek, Wis. Published November 15, 1935.

46,981.—*Title:* DR. DICK. For Straight Bourbon Whiskey. CENTURY DISTILLING CO., Peoria, Ill. Published April 23, 1934.

46,982.—*Title:* QUICK SERVE. For Beans. CLINE-JOHNSTON, INC., Owosso, Mich. Published November 6, 1935.

46,983.—*Title:* FEHR'S X. L. For Lager Beer. FRANK FEHR BREWING CO. INC., Louisville, Ky. Published October 8, 1935.

46,984.—*Title:* MISSOURI RIVER CROOKS. For Cigars. AUGUSTUS J. GOLDEN, Baltimore, Md. Published October 3, 1935.

46,985.—*Title:* IMPRUVED. For Hair Nets. IMPROVED HAIR NET CO., New York, N. Y. Published March 5, 1935.

46,986.—*Title:* NEW! CHOCOLATE COATED ICE CREAM BAR. For Confection. INDUSTRIAL APPLIANCES, INC., Sandusky, Ohio, assignee to Vogt Processes, Inc., Louisville, Ky., a corporation of Delaware. Published September 30, 1935.

46,987.—*Title:* JOHNSON'S AUTOMOBILE CLEANER & POLISH. For Automobile Cleaner and Polish. S. C. JOHNSON & SON, INC., Racine, Wis. Published December 2, 1935.

46,988.—*Title:* TRAFFIC WAX (LIQUID). For Prepared Liquid Wax. S. C. JOHNSON & SON, INC., Racine, Wis. Published December 2, 1935.

46,989.—*Title:* GOLD BEBIDA REAL. For Rum. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn. Published August 3, 1934.

46,990.—*Title:* WHITE BEBIDA REAL. For Rum. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn. Published August 3, 1934.

46,991.—*Title:* PRIDO. For Shortening. JOHN MORRELL & CO., Ottumwa, Iowa. Published November 14, 1935.

46,992.—*Title:* SAVOGRAN WOOD PUTTY. For Wood Putty. THE SAVOGRAN COMPANY, Boston, Mass. Published October 28, 1935.

46,993.—*Title:* THE CHAMPION OF CHAMPIONS. For Bread. WILLIAM A. SCHAUTZ, doing business as William A. Schautz Advertising Agency, Scranton, Pa. Published November 5, 1935.

46,994.—*Title:* PASTRAWS. For Sanitary Straws for Testing Cakes and Pastries. PAUL T. STOCKDALE, Detroit, Mich. Published July 22, 1935.

46,995.—*Title:* DIXIE LEADER. For Straight Rye Whiskey. HARRY WALTERS, doing business as Superior Drug Co., Kansas City, Mo. Published December 14, 1935.

46,996.—*Title:* HETTY HARPER'S MIX MAKES DELICIOUS GINGER-BREAD. For Prepared Mixture for Making Ginger-Bread. WARD BAKING COMPANY, New York, N. Y. Published December 9, 1935.

46,997.—*Title:* HETTY HARPER'S MIX MAKES DELICIOUS CORN MUFFINS. For Preparation for Making of Corn Muffins. WARD BAKING COMPANY, New York, N. Y. Published December 9, 1935.

46,998.—*Title:* HETTY HARPER'S MIX MAKES DELICIOUS DEVIL'S FOOD. For Prepared Mixture for the Making of Devil's Food Cake. WARD BAKING COMPANY, New York, N. Y. Published December 9, 1935.

PRINTS

REGISTERED JANUARY 21, 1936

15,554.—*Title:* REFRESHMENT TIME. For a Beverage. COCA-COLA COMPANY, Atlanta, Ga. Published October 30, 1935.

15,555.—*Title:* CHANGES THE WHOLE APPEARANCE OF YOUR SMILE. For Dental Cream. THE KOLYNOS COMPANY, New Haven, Conn. Published December 12, 1935.

15,556.—*Title:* PAT'S SANITARY CAN HOOD CO. For Sanitary Milk Can Hoods. LLOYD ALBERT MORRIS, doing business as Sanitary Hood Co., Pueblo, Colo. Published July 29, 1935.

15,557.—*Title:* ENJOY PABST PURE, WHOLESOME DELICIOUS . . . IN THE NON-REFILLABLE KEGLINED TAPACAN, AD. NO. 2337. For Beer. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published November 30, 1935.

15,558.—*Title:* DELICIOUS OLD TANKARD ALE SEALED IN NON-REFILLABLE KEGLINED TAPACAN, AD. NO. 2405. For Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published November 7, 1935.

15,559.—*Title:* ENJOY BREWERY FLAVOR OLD TANKARD ALE SEALED IN NON-REFILLABLE KEGLINED TAPACAN, AD. NO. 2406. For Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published November 18, 1935.

15,560.—*Title:* DELICIOUS MELLOW OLD TANKARD ALE IN NON-REFILLABLE KEGLINED TAPACAN, AD. NO. 2407. For Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published November 21, 1935.

15,561.—*Title:* DELICIOUS OLD TANKARD ALE FROM BREWERY TO YOU SEALED IN THE NON-REFILLABLE KEGLINED TAPACAN, AD. NO. 2408. For Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published November 25, 1935.

15,562.—*Title:* MELLOW, DELICIOUS OLD TANKARD ALE BREWERY FLAVOR SEALED IN YOUR PERSONAL NON-REFILLABLE KEGLINED TAPACAN, AD. NO. 2409. For Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published December 4, 1935.

15,563.—*Title:* OLD TANKARD ALE IN YOUR OWN PERSONAL, NON-REFILLABLE KEGLINED TAPACAN, AD. NO. 4402. For Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published November 7, 1935.

15,564.—*Title:* THE WILTSHIRE CASE. For Suit Cases. WILT TRUNK COMPANY, Chicago, Ill. Published December 3, 1935.

REISSUES

JANUARY 21, 1936

19,826
PRINT

Michael D. Mesrobian, Berkeley, Calif., assignor to United Iron Works, Oakland, Calif., a cooperation of California.
Original No. 1,940,814, dated March 14, 1933, Serial No. 418,624, January 4, 1930. Application for reissue September 10, 1932, Serial No. 632,143



8 Claims. (Cl. 103—108)

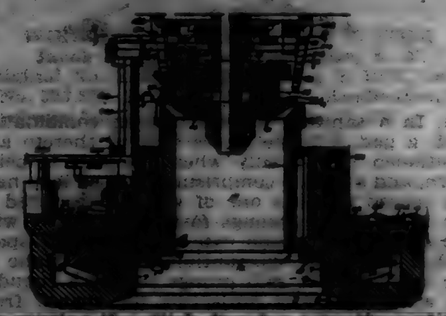
8. A multi-stage fluid pressure pump including an impeller shaft, an inner casing mounted about the same, an outer casing surrounding the inner casing, said inner and outer casings having cooperating inlet and discharge openings, said casings having cooperating shoulders and flanges defining chambers spaced radially and longitudinally of the shaft and arranged to receive fluids under different pressures, one of said chambers having means for conducting fluids from the first stage of the pump to said chamber, the last chamber being in direct communication with the discharge opening of said pump, resilient compressible gaskets located at the ends of the chambers and between the shoulders and flanges, positive means passing through one flange and its cooperating gasket and threaded for engaging the adjacent shoulder to draw all of said flanges, shoulders and gaskets into sealing condition and thereby simultaneously finally secure said inner and outer casings against angular displacement, the other gaskets forming means to retard the longitudinal expansion of the inner casing relative to the outer casing when the former casing is heated in advance of the outer casing.

19,827
PRINTING MACHINE

Walter Larkin, Westbrook, Me., assignor to Addressing Machine Company, Portland, Me., a corporation of Delaware.
Original application Serial No. 131,567, filed September 2, 1926, Serial No. 625,979. Patent No. 1,667,413, dated November 6, 1928. Divisional application for reissue November 6, 1934, Serial No. 751,704

16 Claims. (Cl. 95—64)

8. In a circular rib knitting machine comprising a stationary circular cylinder bodies, a rotary cylinder cam ring operating said cylinder needles, stationary cams, fingers circularly arranged above the cylinder needles in predetermined lateral relation to each other, according to a predetermined design, stationary dial needles arranged in a circle at right angles to the axis of the cylinder needles and wrap finger circles with portions of said dial needles extending inside said circles, a rotary dial cap within the wrap finger circle, a swing cam carried by said cap

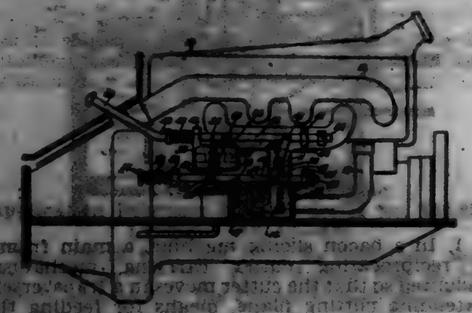


for varying the stitch-forming actuation of the dial needles, and stationary means for actuating the swing cam.

19,828
ATTACHMENT FOR INTERNAL COMBUSTION ENGINES

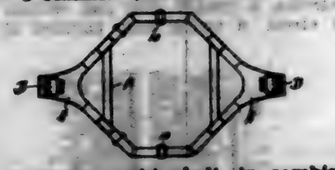
Lester H. Messinger, Jr., Trumbull, Conn., and Andrew L. Riker, deceased, late of Fairfield, Conn., by A. Lawrence Riker, assignee, Fairfield, Conn.; said Messinger assignee to Messinger Devices, Incorporated, a corporation of Connecticut.
Original No. 1,906,791, dated December 13, 1932, Serial No. 175,604, March 15, 1927. Application for reissue April 1, 1934, Serial No. 718,159

27 Claims. (Cl. 123—97)



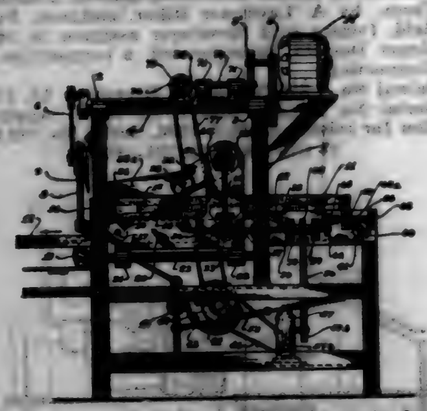
1. In an internal combustion engine, a carburetor including a fuel supply line and an air inlet, a cylinder, an intake manifold between said carburetor and cylinder, a fuel control valve in said fuel supply line, a throttle valve in said intake manifold between said carburetor and cylinder, means for holding said fuel control valve to open said fuel supply line, throttle actuating means for manipulating said throttle valve when said fuel supply line is open to cause a feed of explosive mixture to said cylinder, and means for moving said fuel control valve to close said fuel supply line and for simultaneously moving said throttle valve to open position,

19,329
SANITARY NAPKIN BELT
Estella E. Statler, Sioux City, Iowa, assignor to Humphrey Statler Jr., Sioux City, Iowa
Original No. 1,782,152, dated November 18, 1930, Serial No. 345,689, March 9, 1929. Application for reissue November 18, 1932, Serial No. 642,256
5 Claims. (Cl. 128—291)



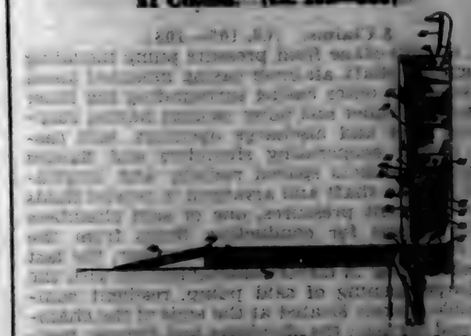
1. In a sanitary napkin belt, in combination with a pad, a hinge sleeve secured thereto and positioned horizontally when the belt is being worn, and a buckle comprising a closed loop having spaced portions one of which is received in the hinge sleeve, prongs formed integrally with the other portion and extending into the space within the loop, substantially in the plane of the loop, each of said prongs having a rounded tip and a laterally projecting lug spaced from said tip.

19,330
SLICING MACHINE
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Original No. 1,942,981, dated January 9, 1934, Serial No. 638,945, October 21, 1932. Application for reissue June 5, 1935, Serial No. 25,188
13 Claims. (Cl. 146—155)



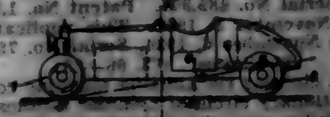
1. In a bacon slicing machine, a main frame, a reciprocating cutter carrying mechanism mounted so that the cutter moves in a transversely extending cutting plane, means for feeding the bacon slabs along a longitudinally extending path in respect to the cutter, common operating means carried by the frame, means for continuously reciprocating the cutter from and by said common operating means, said feeding means comprising a longitudinally movable frame slidably supported on the main frame, cam mechanism carried by the main frame, means for continuously operating said cam mechanism and by said common operating means, means under the control of said cam mechanism for successively positioning said longitudinally movable frame, during one period in a forward direction relative to the cutter according to a certain number of reciprocative movements of the cutter and during the next period in a reverse direction relative to the cutter for holding in retracted position in respect to the cutter the movable frame and bacon slab thereupon for a certain number of reciprocative movements of the cutter, feeding means carried by but movable relative to said longitudinally movable frame and cooperating by engaging slabs of bacon in the controlling of the feeding and positioning of the bacon in respect to the cutter, and means operated by said common operating means for imparting movement to said feeding means as and in respect to said longitudinally movable frame, said slicing machine having at the delivery end thereof a continuously moving receiving conveyor upon which the slices severed by the slicing machine are delivered to the endless conveyor in a manner whereby spaced groups are formed with the slices in each group arranged in a relatively uniform manner in respect to each other.

19,331
DROP SIDE CONTAINER CAR
Graham C. Woodruff, Brownville, N. Y., assignor to The L. C. L. Corporation, a corporation of Delaware
Original No. 1,947,302, dated March 1, 1934, Serial No. 354,526, April 13, 1929. Reissue No. 18,877, dated August 23, 1932, Serial No. 597,580, March 9, 1932. This application for reissue August 11, 1933, Serial No. 684,772
21 Claims. (Cl. 105—368)



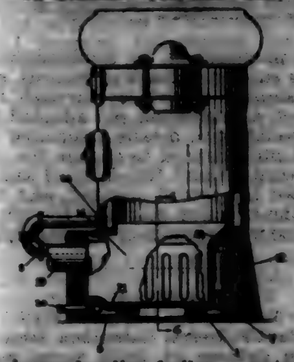
20. The combination with a container carrier of paralleling attachments affording elevated and longitudinal movement preventing support for the container, and gravity-influenced movable means at the ends of such attachments effective to prevent lateral shifting of the container.

19,332
MOTOR VEHICLE PROVIDED WITH FOUR INDEPENDENT WHEELS
René Jean Devilliers, Paris, France, assignor, by mesne assignments, to Daimler-Benz Aktiengesellschaft, Stuttgart-Untertürkheim, Germany, a corporation of Germany
Original No. 1,911,646, dated June 30, 1933, Serial No. 335,694, January 25, 1929. Application for reissue June 22, 1935, Serial No. 27,675. In France January 27, 1928
13 Claims. (Cl. 280—124)



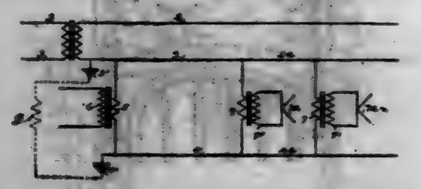
1. A motor vehicle comprising an underframe having front and rear pairs of wheels, the wheels independently connected to the underframe and spring-supported for individual movement, the front wheels having substantially vertical pivots providing for steering movement and each being mounted to move up and down with successive positions of its pivot substantially parallel and substantially equidistant from the central longitudinal plane of the vehicle whereby to define a swinging center for the body at the ground and the rear wheels each being mounted to permit angular swinging movement of their planes relative to such central plane whereby to define an elevated swinging center for the body, the two centers defining an inclined axis of oscillation for the body as a whole.

19,333
COMBUSTION CHAMBER-HEATING DEVICE
Mora S. Hall, Baltimore, Md., assignor to May Oil Burner Corporation, a corporation of Maryland
Original No. 2,001,731, dated May 21, 1935, Serial No. 636,542, August 24, 1932. Application for reissue June 25, 1935, Serial No. 28,261
11 Claims. (Cl. 122—318)



2. In a house heating boiler, a water compartment, a fire pot, a fluid fuel burner in said fire pot, a water lining for said fire pot comprising a vertical wall section and a separate bottom wall section, said wall sections and said water compartment being connected together for fluid circulation, and a coating of plastic refractory material attached to said wall sections, said coating being of adequate thickness to absorb heat and to radiate heat back to the flame of the burner and sufficiently thin to transfer heat therethrough to the fluid in the wall sections.

19,334
WIRELESS TRANSMISSION SYSTEM
Jacob H. Rubenstein, Syracuse, N. Y.
Original No. 1,966,769, dated May 2, 1933, Serial No. 583,819, February 18, 1932. Application for reissue April 26, 1935, Serial No. 18,423
7 Claims. (Cl. 179—2)



1. A transmission system having in combination with the grounded conductor of an electric lighting system and an auxiliary ground, an audio amplifier including an output primary coil, a low impedance secondary coil connected across said grounds and coupled with said output primary coil, a plurality of low impedance coils connected across said grounds in parallel, a plurality of loud speakers, and secondary coils coupled with the plurality of low impedance coils to transmit audible frequency currents from said grounds to the loud speakers.

PLANT PATENTS
GRANTED JANUARY 21, 1936

162
ROSE
Archibald Flint Watkins, Tyler, Tex., assignor to Dixie Rose Nursery, Tyler, Tex.
Application August 22, 1935, Serial No. 37,468
1 Claim. (Cl. 47—61)

A new and distinct hybrid tea rose plant, characterized by the red color of its flower as shown and described.

163
ROSE
Archibald Flint Watkins, Tyler, Tex., assignor of one-half to Jackson & Perkins Company, Newark, N. J., and one-half to Dixie Rose Nursery, Tyler, Tex.
Application August 22, 1935, Serial No. 37,469
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant as herein shown and described, characterized by its climbing habit and unusual hardiness for a rose of its class.

164
CHERRY VARIETY
Menno Gerber, Orrville, Ohio
Application February 5, 1934, Serial No. 710,231
1 Claim. (Cl. 47—62)

The cherry tree and fruit as described, said tree ripening its fruit from August first to fifteenth, and having the characteristics stated.

PATENTS

GRANTED JANUARY 31, 1928

2,662,125
CHAIR STRUCTURE

Frederick W. Branch, Sheboygan, Wis., assignor to Sheboygan Chair Company, Sheboygan, Wis., a corporation of Wisconsin

Application November 17, 1924, Serial No. 753,426
3 Claims. (Cl. 155—126)

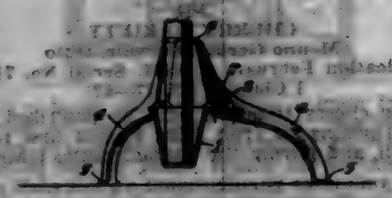


1. In combination with a chair having side arms, a table adapted to rest upon said arms forwardly of the occupant of the chair and having transverse sockets therein and slots communicating with said sockets, side rods pivotally connected at one pair of ends with portions of the chair and having their other end portions extended into said table transverse sockets, there being relative sliding movement between the table and the latter rod end portions for table adjustments, studs carried by said latter rod end portions and projecting thru said slots, and latch plates pivotally mounted on the table and having means for selectively engaging projecting portions of said studs.

2,662,126
HOLDER FOR CHRISTMAS TREES OR OTHER OBJECTS

Warren E. Allerton, Benton Harbor, Mich.

Application April 16, 1924, Serial No. 706,763
4 Claims. (Cl. 248—47)



2. A holder for an upright object, comprising a downwardly tapered cup to support said upright object, and removable legs fulcrumed on projecting rim portions of the cup, each leg having an inwardly projecting lug for engagement with the rim of the cup, to limit the movement of the lower ends of the legs away from each other, preventing the upper ends of the legs from engaging each other and collapse of the structure when said object is not in the cup, and said legs having upper end portions for engagement with said object.

2,662,129
PHONOGRAPH

Edward F. Andrews, Chicago, Ill.

Application April 12, 1921, Serial No. 521,800
46 Claims. (Cl. 274—10)

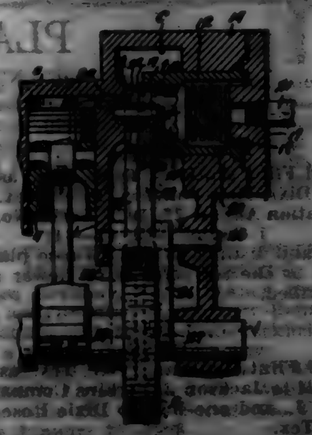


6. In a phonograph, in combination, a table adapted to support a stack of records, a depressible pin adapted to project through the openings thereof, a depressing pin adapted to engage said depressible pin, means associated with said depressing pin adapted to engage the surface of the top record to limit the entry of said depressing pin into the record opening, and means for affecting the effective length of the pin to adapt same for use with records of varying thickness.

2,662,131
VALVE CONSTRUCTION

Paul F. Berry, Columbus, Ohio

Application October 27, 1923, Serial No. 670,901
Renewed June 12, 1926
4 Claims. (Cl. 236—23)



1. In a [illegible] a pair of rotary valves arranged side by side and a seat for each of the valves, said seat having a port, means for axially supporting the valves, elastic means for urging the valves one toward the other and toward the valve seat, means for reversely rotating the valves in timed sequence, said valves having ports in register with each other and with the ports of the valve seat upon rocking movement of the valves in one direction, said ports being out of register upon movement of the valves in the opposite directions whereby flow through the ports is closed, one of said valves having a [illegible]

passageway registering with the port of the valve seat when the ports of the valves are out of register, said passageway also communicating with the port of the second valve when the ports in both of the valves are out of register, and an inlet passageway carried by said second valve registering with the port of the first valve when the ports of both valves are out of register.

2,662,132
PROCESS FOR RECOVERING PURE GERMINAL SUBSTANCE FROM SEED KERNELS

Mórits Simonstsch, Budapest, Hungary

No Drawing. Application April 4, 1924, Serial No. 719,444. In Hungary May 11, 1923
8 Claims. (Cl. 99—13)

1. A process for recovering the germinal substance from a mixture obtained on mechanically degerminating seed kernels of plants of the class consisting of Cucurbita pepo and related plants of the families of the Cucurbitaceae and Solanaceae, which comprises removing the main portion of the endosperm of the said seed kernels from said mixture, incorporating the remaining mixture containing the germinal substance and other constituents of the said kernels into a liquid medium which dissolves fatty substances and has a specific gravity lying under working conditions between the specific gravities of the germinal substance and the said other constituents respectively, and which behaves indifferently in relation to the gluten-forming proteins of the said germinal substance, whereby the said remaining mixture separates into two layers, the upper layer of which contains the germinal substance, reducing the temperature of the liquid medium in accordance with the lowering of the specific gravity produced by fatty substances contained in the germinal substance and dissolved out by the liquid medium, so as to restore the required specific gravity, and finally removing separately the two layers from said liquid medium.

2,662,133
HAND TRUCK

Towner Leigh Bowers, Waco, Tex.

Application September 17, 1924, Serial No. 743,770
2 Claims. (Cl. 254—3)

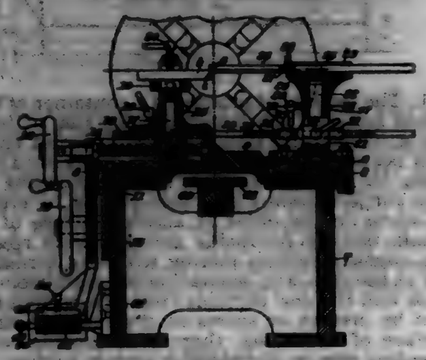


1. In a truck for moving bulky and heavy objects, a mobile frame having pairs of front and rear corner posts, a platform [illegible] to the front corner posts and rear corner posts being extended substantially thereabove the height of the front corner posts and being located in the path of travel of said platform, a rest for the platform, a combined platform extending and control lever hinged adjacent the forward end thereof to said frame and having a handle portion extending between the rear corner posts and terminating beyond the same, a rigid one-piece link connected to the forward portion of said lever and to the forward portion of said platform, the connection between said link and said platform being between the hinge mounting of said platform and the forward end of the platform.

2,662,134
MECHANISM FOR MECHANICAL MEASUREMENTS

John T. Brubaker, Wilkinsburg, Pa.

Application June 15, 1915, Serial No. 34,250
20 Claims. (Cl. 82—34)

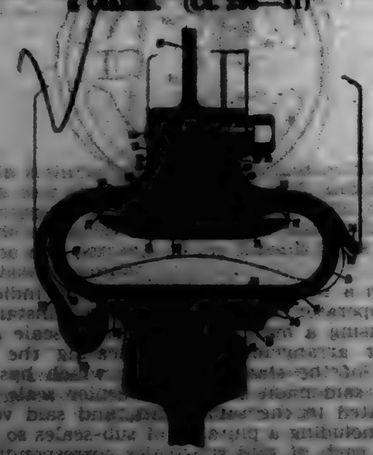


1. In a machine tool, the combination with a cutting element and means for locating it at a neutral position and a cutting position, of a slidable member having a series of selectively usable stop elements providing a limiting abutment for the locating means at both positions.

2,662,135
PNEUMATIC TIRE

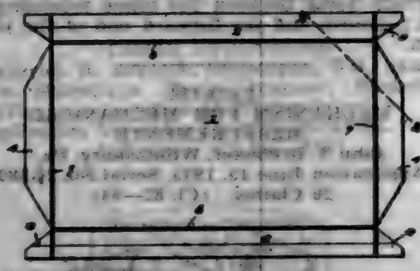
Edward G. Budd, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 12, 1923, Serial No. 618,505
4 Claims. (Cl. 295—31)



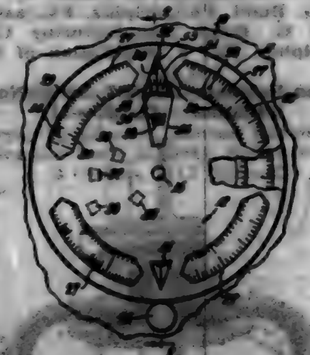
6. A pneumatic tire for railway vehicles comprising a flexible pneumatic tire shoe and a one-piece annulus of relatively high heat conducting material extending into the air space in the tire and having an axial width greater than that of the normal tread surface of the tire.

2,028,136
BOX AND METHOD OF MAKING THE SAME
Chester E. Claff, Randolph, Mass.
Application July 24, 1934, Serial No. 736,770
3 Claims. (Cl. 229—14)



1. The method of producing a container of boxboard material which includes the step of forming a blank with side, end, bottom, and corner flap portions, said flap portions being separated from the end portions by slits, separating the side portions from the bottom portion by creases or scores in the outer or bottom surface of the blank, thereby producing corresponding ribs on the opposite surface aliining with and terminating at the slits, and separating the sides from the flaps and the end portions from the bottom portion by creases or scores in the inner or upper surface of the blank, thereby to provide corresponding ribs on the outer or bottom surface.

2,028,137
TUNING ARRANGEMENT FOR RADIO RECEIVING SETS
Virgil D. Collins, Colwick, N. J.
Application October 24, 1934, Serial No. 749,747
5 Claims. (Cl. 116—124.4)



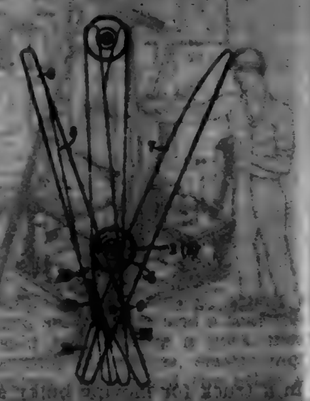
1. In a radio receiver set, a visual indicating and operator controlling tuning installation comprising a main scale, a vernier scale and a pointer arrangement for indicating the wave length of the station to be or which has been tuned, said main scale and vernier scale being graduated in the same units, and said vernier scale including a plurality of sub-scales so graduated, each of said sub-scales corresponding to a range of wave length on the main scale and said vernier scale being connected to said main scale so that the pointer arrangement will relatively move over said vernier scale a much greater distance for each unit movement over the main scale.

2,028,138
INTERNAL COMBUSTION ENGINE VALVE MECHANISM
Harry M. Cushing, Baltimore, Md., assignor of one-fourth to Benjamin Pierpont, Baltimore, Md.
Application May 1, 1934, Serial No. 723,388
8 Claims. (Cl. 123—190)



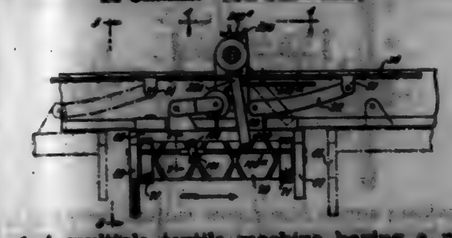
1. A valve mechanism for an internal combustion engine comprising a cylinder head having a valve chamber of substantially rectangular shape in cross section and provided with ports in opposite walls thereof, said valve chamber opening outwardly through opposite sides of the head, a plate removably secured to one side of the head and closing one end of the valve chamber, guides integral with the head and aligning with the open end of the chamber, ribs integral with opposite walls of the chamber and extending the full length of the latter, a valve element shaped to engage all walls of the chamber and slidable therein and provided with a port, said valve element having grooves in opposite walls to receive the ribs, extensions at one end of the valve element and slidably supported by the guides, wear plates removably secured to the valve element, and means for reciprocating the valve element and connected to the extensions.

2,028,139
TOY AND GAME APPARATUS
Richard Cramp, Richard George Wightman Cramp, and Benjamin Cramp, Barkingside, Ilford, England
Application March 28, 1935, Serial No. 13,539
In Great Britain April 25, 1934
6 Claims. (Cl. 46—90)



1. Game apparatus comprising a bowling carrying an idle roller disposed substantially centrally between the ends, in combination with a pair of pivoted blades, the opposed edges of which can engage respectively with the periphery of the bowling and the roller, to grip, spin and drop the same.

2,028,140
WINDING MACHINE
Edward J. Abbott, Wilton, N. H., assignor to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire
Application November 24, 1931, Serial No. 577,055
14 Claims. (Cl. 242—35.5)



1. A multiple textile machine having a plurality of winding units, a traverse device for each winding unit, a lubricator adapted to supply lubricant to a traverse device, and means for automatically causing said lubricator to act successively on the traverse devices of the several winding units.

2,028,141
PROCESS FOR DYEING OR COLORING CELLULOSE ESTERS AND CELLULOSE ETHERS
Franz Ackermann, Muttenz, near Basel, Switzerland, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application May 16, 1932, Serial No. 611,782. In Switzerland May 23, 1931
9 Claims. (Cl. 8—5)

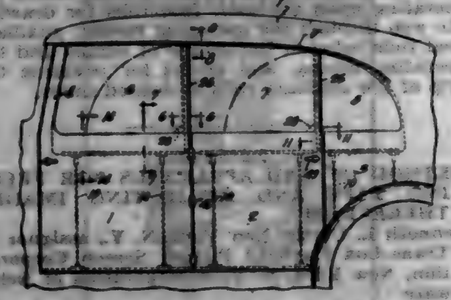
1. A process for dyeing or coloring cellulose esters or cellulose ethers, consisting in dyeing or coloring the material by means of a colored product which can be obtained by condensing an aromatic para-dialkylamine-aldehyde with aliphatic compounds containing a reactive methylene group, the double linkage thus formed playing the part of the main chromophore.

2,028,142
ARMOR BLOCK FOR WATER WALLS AND THE LIKE
John Blizard, Garden City, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application April 8, 1932, Serial No. 604,318
25 Claims. (Cl. 122—4)



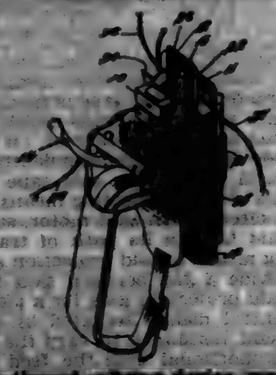
1. The combination with spaced tubes, of a block unit supported thereon and therebetween comprising two refractory members, said members having curved tube recesses and curved contacting surfaces eccentric thereto, a third member, and tensile means engaging the refractory members and the third member for clamping the block unit to the tubes.

2,028,143
VEHICLE BODY
Raymond L. Carr, Berlin, Mass.
Application May 11, 1929, Serial No. 362,483
21 Claims. (Cl. 296—45)



1. A vehicle body comprising a body wall including adjoining sections having pockets therein, panels movable upwardly out of the respective sections to a raised position thereabove, said panels in their raised positions having juxtaposed adjoining edges spaced laterally from each other, and a filler strip movable independently of the panels and irrespective of the positioning thereof into the space between the adjoining panel edges, said filler strip being movable in the plane of the body wall.

2,028,144
THREAD SPLICING DEVICE
John F. Cavanagh, Providence, R. I.
Application April 12, 1921, Serial No. 462,351
Renewed April 19, 1923
17 Claims. (Cl. 117—6)



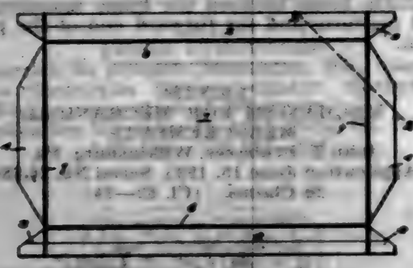
1. In a thread splicing device, means for gripping a pair of ends at spaced points and moving the gripping points apart to break the ends to provide a frayed condition, and means for rolling the end portions of the threads to be joined one about the other.

2,028,145
TUBER
Thomas Earl Coty, Watertown, N. Y.
Application June 1, 1932, Serial No. 614,528
31 Claims. (Cl. 29—12)



1. In a machine for forming a tube for multi-wall bags, means for supplying a plurality of blast means for separating the inner plies from

2,028,136
BOX AND METHOD OF MAKING THE SAME
Chester R. Claff, Randolph, Mass.
Application July 24, 1934, Serial No. 736,770
3 Claims. (Cl. 229—16)



1. The method of producing a container of boxboard material which includes the step of forming a blank with side, end, bottom, and corner flap portions, said flap portions being separated from the end portions by slits, separating the side portions from the bottom portion by creases or scores in the outer or bottom surface of the blank, thereby producing corresponding ribs on the opposite surface alining with and terminating at the slits, and separating the sides from the flaps and the end portions from the bottom portion by creases or scores in the inner or upper surface of the blank, thereby to provide corresponding ribs on the outer or bottom surface.

2,028,137
TUNING ARRANGEMENT FOR RADIO RECEIVING SETS
Virgil D. Collins, Calwick, N. J.
Application October 24, 1934, Serial No. 749,747
5 Claims. (Cl. 116—124.4)



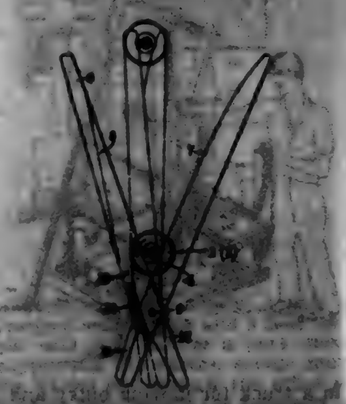
1. In a radio receiver set, a visual indicating and operator controllable tuning installation comprising a main scale, a vernier scale and a pointer arrangement for indicating the wave length of the station to be or which has been tuned, said main scale and vernier scale being graduated in the same units, and said vernier scale including a plurality of sub-scales so graduated, each of said sub-scales corresponding to a range of wave length on the main scale and said vernier scale being connected to said main scale so that the pointer arrangement will relatively move over said vernier scale a much greater distance for each unit movement over the main scale.

2,028,138
INTERNAL COMBUSTION ENGINE VALVE MECHANISM
Harry M. Cowling, Baltimore, Md., assignor of one-fourth to Benjamin Pierpont, Baltimore, Md.
Application May 1, 1934, Serial No. 723,122
3 Claims. (Cl. 123—188)



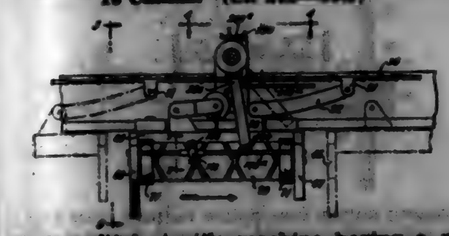
1. A valve mechanism for an internal combustion engine comprising a cylinder head having a valve chamber of substantially rectangular shape in cross section and provided with ports in opposite walls thereof, said valve chamber opening outwardly through opposite sides of the head, a plate removably secured to one side of the head and closing one end of the valve chamber, guides integral with the head and aligning with the open end of the chamber, ribs integral with opposite walls of the chamber and extending the full length of the latter, a valve element shaped to engage all walls of the chamber and slidable therein and provided with a port, said valve element having grooves in opposite walls to receive the ribs, extensions at one end of the valve element and slidably supported by the guides, wear plates removably secured to the valve element, and means for reciprocating the valve element and connected to the extensions.

2,028,139
TOY AND GAME APPARATUS
Richard Cramp, Richard George Wightman Cramp, and Benjamin Cramp, Barkingside, Ilford, England
Application March 27, 1933, Serial No. 13,158
In Great Britain April 25, 1934
6 Claims. (Cl. 46—94)



1. Game apparatus comprising a bobbin carrying an idle roller disposed substantially centrally between the ends, in combination with a pair of pivoted blades, the opposed edges of which can engage respectively with the periphery of the bobbin and its roller, to grip, spin and eject the same.

2,028,140
WINDING MACHINE
Edward J. Abbott, Wilton, N. H., assignor to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire
Application November 24, 1931, Serial No. 577,855
16 Claims. (Cl. 242—35.5)



1. A multiple textile machine having a plurality of winding units, a traverse device for each winding unit, a lubricator adapted to supply lubricant to a traverse device, and means for automatically causing said lubricator to act successively on the traverse devices of the several winding units.

2,028,141
PROCESS FOR DYEING OR COLORING CELLULOSE ESTERS AND CELLULOSE ETHERS
Franz Ackermann, Binningen, near Basel, Switzerland, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application May 16, 1932, Serial No. 611,753. In Switzerland May 22, 1931
9 Claims. (Cl. 8—5)

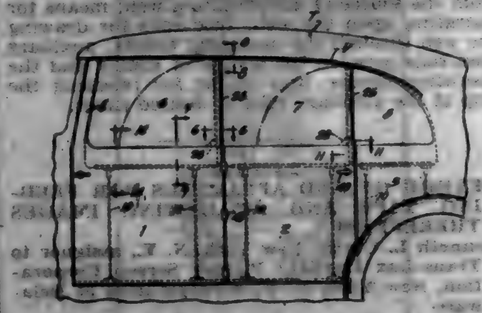
1. A process for dyeing or coloring cellulose esters or cellulose ethers, consisting in dyeing or coloring the material by means of a colored product which can be obtained by condensing an aromatic para-dialkylamino-aldehyde with aliphatic compounds containing a reactive methylene group, the double linkage thus formed playing the part of the main chromophore.

2,028,142
ARMOR BLOCK FOR WATER WALLS AND THE LIKE
John Blizard, Garden City, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application April 2, 1930, Serial No. 443,919
25 Claims. (Cl. 122—6)



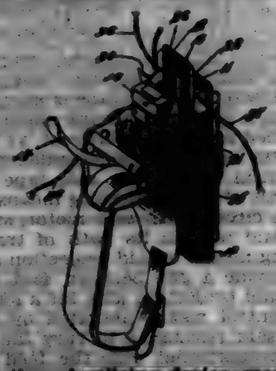
1. The combination with spaced tubes, of a block unit, supported thereon and therebetween comprising two refractory members, said members having curved tube recesses and curved contacting surfaces eccentric thereto, a third member, and tension means securing the refractory members and the third member for clamping the block unit to the tubes.

2,028,143
VEHICLE BODY
Raymond L. Carr, Boston, Mass.
Application May 11, 1932, Serial No. 610,453
21 Claims. (Cl. 296—45)



1. A vehicle body comprising a body wall including adjoining sections having pockets therein, panels movable upwardly out of the respective sections to a raised position thereabove, said panels in their raised positions having juxtaposed adjoining edges spaced laterally from each other, and a filler strip movable independently of the panels and irrespective of the positioning thereof into the space between the adjoining panel edges, said filler strip being movable in the plane of the body wall.

2,028,144
THREAD SPLICING DEVICE
John F. Cavanagh, Providence, R. I.
Application April 23, 1931, Serial No. 532,351
Renewed April 19, 1933
17 Claims. (Cl. 117—6)



1. In a thread splicing device, means for gripping a pair of ends at spaced points and moving the gripping points apart to break the ends to provide a frayed condition, and means for rolling the end portions of the threads to be joined one about the other.

2,028,145
TUBER
Thomas Earl Coty, Watertown, N. Y.
Application June 1, 1932, Serial No. 614,339
21 Claims. (Cl. 82—19)



1. In a machine for forming a tube for multi-wall bags, means for supplying a plurality of plies, means for separating the inner plies from

the outer ones; means for cutting out portions of the inner plies; and means for assembling the plies into a web.

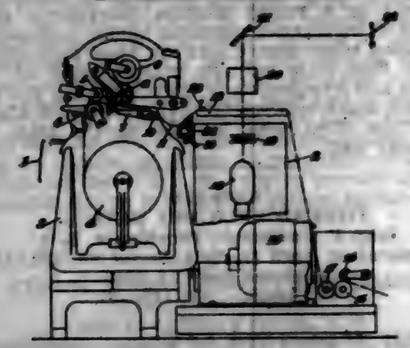
7. In a tuber for paper bags, a source of supply; means for assembling the plies of paper from the source of supply into a web; means for operating upon the web; feed-rolls for drawing the web through the operating means; auxiliary feed-rolls between the source of supply and the operating means; and means for releasing the grip of the auxiliary rolls at desired times.

2,028,146

METHOD OF AND APPARATUS FOR FEEDING TAPE AND PROJECTING IMAGES THEREFROM

Kenneth L. Curtis, New York, N. Y., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y., a corporation of Delaware

Application March 30, 1929, Serial No. 352,570
Renewed June 20, 1934
10 Claims. (Cl. 88—24)



1. In a device of the character described, the combination with a projection means toward which a character-bearing tape is movable after ejection from a recording means under the control of the feed mechanism thereof, an electrical take-up motor operating independently of said feed mechanism for moving said tape past the projection axis of said projecting means, variable resistance in circuit with said motor, supporting means for said tape in its path of travel from said recording means to said projection axis positioned to provide a gap between said recording means and said projection axis for a loop of said tape, and control means actuated by said loop for varying said resistance to vary the speed of said motor proportional with the feed speed of the tape whereby the speed of tape movement past said projection axis is decreased while increasing the duration of the periods during which tape is moved past said axis, said control means comprising a switch contact member having an actuating member connected thereto for moving said contact member in either of opposite directions to change the speed of said motor.

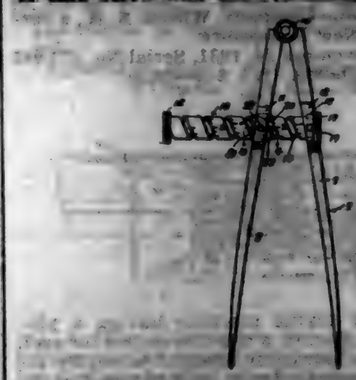
2,028,147

MICROMETRIC COMPASS

William Dunkhoff, deceased, late of Falls Creek, Pa., by Laurel C. Frey, administrator, Grafton, W. Va.

Application March 13, 1931, Serial No. 518,369
3 Claims. (Cl. 33—154)

1. A structure of the class described comprising an instrument embodying a pair of legs one of which is adjustable toward and from the other, a feed nut carried by one of said legs, an adjusting screw operatively connected with said feed nut, a swivel connection between one end of said screw and the [illegible] leg, said screw



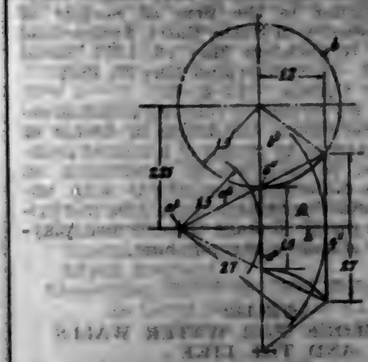
being provided with an indicating pointer, and said feed screw being provided with graduations with which said pointer is co-operable.

2,028,148

ARCUATE PITCH CONE GEARING

Frank V. Ellwein, Lake Orion, Mich.

Application January 18, 1934, Serial No. 706,512
21 Claims. (Cl. 74—458.5)



1. In gearing assemblies wherein two or more rotating elements co-operate in drive relation through co-operative tooth or thread action, an arcuate pitch cone gear having the pitch circle of its tooth or thread zone arcuate in the direction of length of the gear, and a companion element having an annular tooth zone presenting a plurality of teeth on a radius of the element, said element tooth zone being such that when assembled with the gear, the teeth of the element tooth zone will co-operate with the gear teeth or threads to combinedly produce the characteristics of engaging teeth throughout the length of the arcuate pitch circle of the gear presented on the line of drive activity of the assembled gear and companion element.

2,028,149

SAFETY DEVICE

Lester H. Goldsmith, Philadelphia, Pa.

Application May 22, 1934, Serial No. 726,369
9 Claims. (Cl. 137—168)

2. In combination, a valve casing having a valve seat, a valve head assembly normally adapted for movement as a unit with respect to said casing, which comprises a valve stem co-operating with said valve seat, a tubular member co-operating with said casing and manually movable with respect thereto, a valve stem extending from said valve head into one end of said tubular member, a spring normally under substantially its maximum compression, interposed between the tubular member and a portion of the stem contained therewithin, an abutment



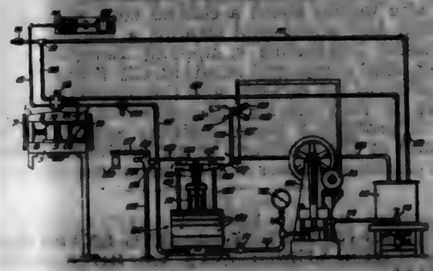
on said stem against which said spring presses, a fusible member arranged adjacent the other end of the tubular member, said spring urging said stem in the direction of said fusible member, whereby upon fusion of said fusible member said spring functions to move said valve head and stem independently of said tubular member.

2,028,150

MEANS FOR CORRUGATING TUBES

William H. Grant, Cleveland, Ohio, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application April 19, 1933, Serial No. 666,117
Renewed October 11, 1934
17 Claims. (Cl. 153—71)



1. In a machine of the character stated, means for supporting a tubular metal blank and for subjecting it to internal pressure and to endwise pressure, slidably mounted die carriers movable into and out of operative relation to the blank, and sectional die rings mounted in the carriers and free from each other for independent relative movement toward and away from each other and disposed to be positioned about the blank in spaced relation lengthwise thereof when said carriers are in operative relation to the blank.

2,028,151

METHOD OF CORRUGATING TUBES

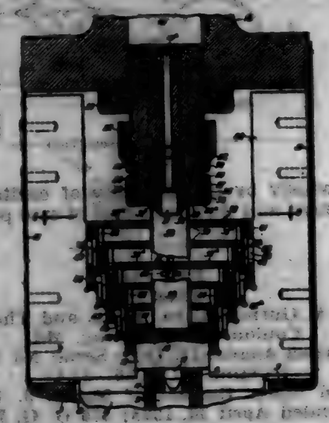
William H. Grant, Cleveland, Ohio, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Original application April 19, 1933, Serial No. 666,117. Divided and this application January 9, 1933, Serial No. 650,297

6 Claims. (Cl. 153—71)

1. The method of producing metal bellows, which comprises first subjecting a tubular metal blank to internal pressure only while disposed within spaced die rings and of proper value to bulge the blank radially and outwardly between the rings while permitting relative movement of said rings one toward the other to accommodate shortening of the blank to compensate for the

radial extension thereof, and then compressing the blank axially and further extending it radially while positively moving the rings one toward the



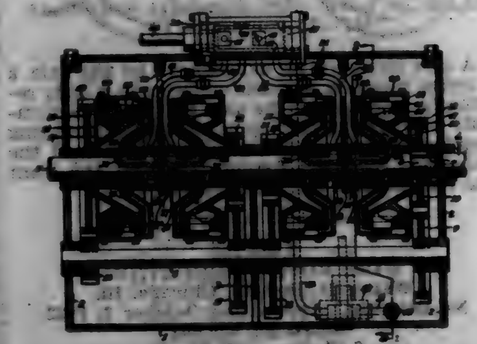
other, thereby forming a corrugation in the blank, as a continuous operation.

2,028,152

HYDRAULIC TRANSMISSION

Edward Gray, Detroit, Mich.

Application May 15, 1933, Serial No. 671,160
5 Claims. (Cl. 192—57)



1. A transmission clutch comprising a drum formed with a circumferential V-shaped groove, an annular spider member, said spider being formed with a plurality of closely clustered cylinders, piston shoes slidably received in said cylinders and having their ends shaped to fit said groove, and means for supplying fluid under pressure into said cylinders to move said piston shoes into engagement with said drum.

2,028,153

RADIATION DETECTOR

Ross Gunn, Washington, D. C.

Application November 12, 1931, Serial No. 574,571
17 Claims. (Cl. 250—41.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

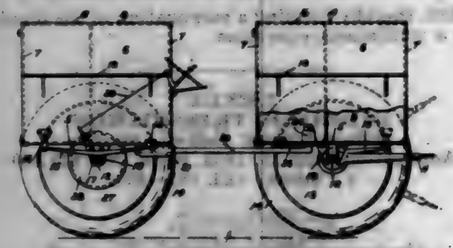
15. An apparatus for measuring light intensities, comprising a photo-excited source of electrons wherein the electron emission is proportional to the intensity of light falling thereon, an element having a characteristic variable proportionately to electron impact thereon disposed to intercept electrons from said source, means to set up a potential difference between said source and

said element and means to measure changes in such characteristic, the electron flow being con-



trolled wholly by the intensity of excitation of said element and the magnitude of said potential.

2,028,154
CART
Dayton A. Gurney, Caro, Mich., and Thomas A. Conlen, Silver Spring, Md.
Application August 18, 1933, Serial No. 685,768
1 Claim. (Cl. 280—33.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

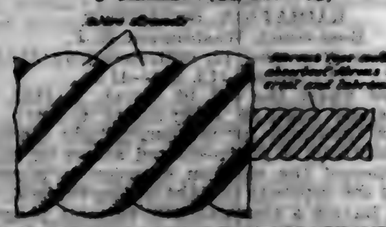


A cart including an axle, wheels on the axle, a drawbar pivotally movable on the axle, a body resiliently mounted on the axle and movable vertically with respect thereto and draft-transmitting members rigidly fixed on the under side of the body, said members slidably engaging the front and rear sides of the axle.

2,028,155
WIRE ROPE LUBRICATION
Walter D. Hedson, Chicago, Ill.
No Drawing. Application October 3, 1932, Serial No. 636,694
6 Claims. (Cl. 87—9)

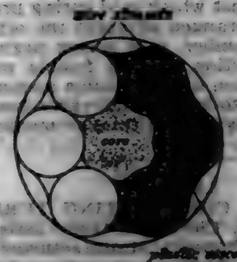
1. As a composition of matter, a plastic, jelly-like adhesive lubricant including a top drier in proportions to produce a tough, leathery surface on exposure of the lubricant to air, without affecting the body of the lubricant.

2,028,156
WIRE ROPE
Walter D. Hedson, Chicago, Ill.
Application September 14, 1934, Serial No. 744,861
5 Claims. (Cl. 117—53)



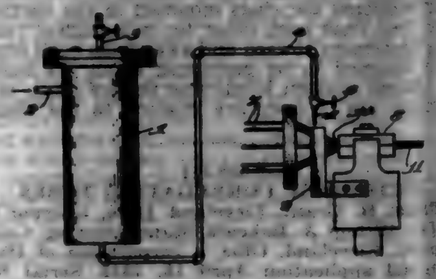
1. A wire rope comprising a plurality of strands of wire wound about and pressing upon a fibrous core, said core comprising fibrous rope strands having finely divided asbestos loosely permeated throughout the interstices of the rope strands and having a lubricant distributed throughout said core and asbestos, the amount of said lubricant being substantially less than the absorbing capacity of the asbestos, and said asbestos being composed of a major proportion of coarsely ground asbestos, and a minor proportion of extremely finely ground asbestos.

2,028,157
WIRE ROPE
Walter D. Hedson, Chicago, Ill.
Application September 17, 1934, Serial No. 744,425
5 Claims. (Cl. 117—53)



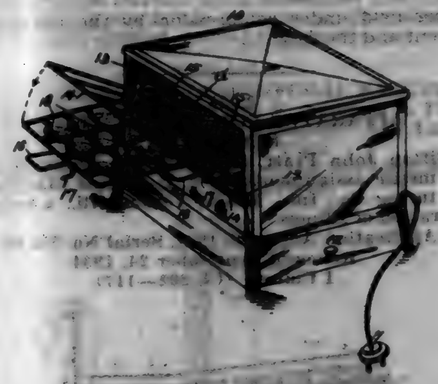
1. A wire rope comprising a plurality of strands of wire wound about a central core, and having within and about said strands a viscous plastic adhesive lubricating compound including a top drier, said compound substantially filling the interstices of the strands, and the proportion of top drier in said lubricating compound being such as to produce a tough leathery surface on exposure of the lubricant to air, without affecting the plastic character of the body of the lubricant.

2,028,158
METHOD OF INCORPORATING EXTREMELY VISCOUS LUBRICANTS IN ROPE MATERIAL
Walter D. Hedson, Beverly Hills, Ill.
Application November 2, 1934, Serial No. 751,545
2 Claims. (Cl. 117—2)



1. The method of applying a viscous, tenacious, fibre-containing adhesive lubricant unable to seek its own level by gravity to rope material, which comprises forcing the lubricant under high fluid pressure onto moving rope fibres while rapidly drawing the fibres together, and correlating the rate of flow of lubricant and the speed of the fibres to maintain a continuous body of lubricant under pressure through which the rope fibres are forced to pass.

2,028,159
TOASTER FOR CANAPÉS FOR HORS D'OEUVRES
Caroline Kemp, Clayton, N. Y.
Application March 12, 1934, Serial No. 715,269
6 Claims. (Cl. 53—5)



1. A toaster having a chamber adapted to receive toasting heat from a suitable source and a removable and replaceable holder for bread to be toasted in the form of thin small pieces, said holder comprising top and bottom members adapted to exert clamping contact upon opposite sides of the pieces of bread said holder having a large number of individual cells that are open towards the heating means of the toaster to give direct access of toasting heat to the individual small pieces of bread in the cells the bread pieces contacting portions of the top and bottom members being spaced apart a distance corresponding substantially with the thickness of the pieces.

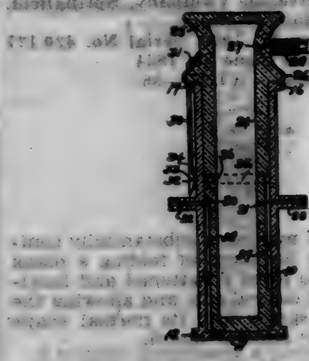
2,028,160
PROTECTIVE COVERING FOR TUBES
Howard J. Kerr, Westfield, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application February 8, 1929, Serial No. 338,689
26 Claims. (Cl. 122—6)



13. In a furnace, a row of spaced wall cooling tubes, and preformed and separate plano-concave wall blocks cemented to the tubes with each tube independently carrying its own row of complete blocks.

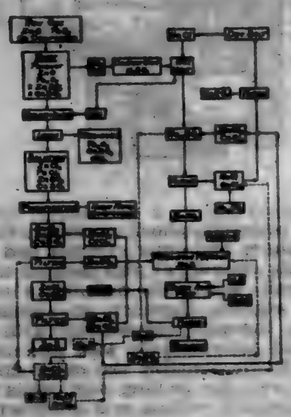
2,028,161
SYRINGE FOR BLOOD TRANSFUSIONS
Robert Mann, Memphis, Tenn.
Application February 6, 1933, Serial No. 655,225
14 Claims. (Cl. 128—214)

1. An instrument of the character described, comprising a hollow, cylindrical barrel, a piston reciprocable therein; said barrel having an inlet port and an outlet port, said piston having a circumferential groove so disposed as to communicate alternately with each of said ports in predetermined positions of said piston, and independent means maintaining communication be-



tween said groove and the exterior of said instrument.

2,028,162
METHOD OF MAKING ZINC SULFHIDE
Thomas A. Mitchell and Royal L. Sessions, Denver, Colo., assignors, by mesne assignments, to Hughes-Mitchell Processes Incorporated, Denver, Colo., a corporation of Wyoming
Application January 8, 1932, Serial No. 585,633
15 Claims. (Cl. 23—135)



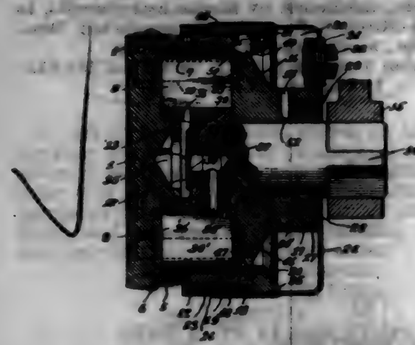
1. The method of making zinc sulphide characterized by the cyclic use of the elements of sodium chloride and barium sulphate and comprising the chlorine cycle of treating a zinc compound with hydrochloric acid to form zinc chloride, treating the latter in solution with sodium sulphide to precipitate the zinc as a sulphide, removing the resultant sodium chloride solution and producing said hydrochloric acid from the chloridion thereof, and the barium cycle of treating a barium compound with the sodium sulphate, which has been developed in the formation of said hydrochloric acid by the reaction of sulphuric acid and sodium chloride, to form barium sulphate and heating the latter with a reducing agent to form barium sulphide for use in the process.

2,028,163
PROCESS AND APPARATUS FOR MANUFACTURING PAPER CUPS
Abraham Novick, Flushing, N. Y., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application January 11, 1930, Serial No. 420,127
Renewed June 20, 1934
52 Claims. (Cl. 93—36)



1. The process of making a substantially conical cup comprising the steps of folding a blank of sheet material to form a flattened and longitudinally uncreased conical cup, and allowing the so formed cup to spring into its normal shape with a substantially circular mouth.

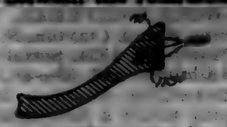
2,028,164
HYDRAULIC SHOCK ABSORBER
Ralph F. Poe, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application July 10, 1933, Serial No. 679,845
15 Claims. (Cl. 188—89)



1. In a hydraulic shock absorber, the combination of inner and outer circular end walls, an intermediate cylindrical wall secured to said inner end wall, said walls defining a cylindrical hydraulic working chamber, an annular thrust nut having threaded engagement with the outside of said intermediate wall and having an abutment flange abutting the outer side of said outer end wall for locking said walls together, a piston operable within said chamber, a sheet metal cup intimately receiving and surrounding said thrust nut and forming with said outer end wall and said nut a fluid reservoir for replenishing said working chamber, the end of said cup being deflected around the inner end of said nut, an annular locking nut threading on said intermediate wall, and packing material clamped between said nut and against the deflected end of said cup.

2,028,165
TIRE AND METHOD OF MAKING THE SAME
Robert G. Pierce, Niles, Mich., assignor to National-Standard Company, Niles, Mich., a corporation of Michigan
Application July 31, 1934, Serial No. 736,415
6 Claims. (Cl. 154—14)

2. A tire formed with a bead containing a metallic annular reinforcement and having an internal metallic ring, and having the material of the bead between the reinforcement and the



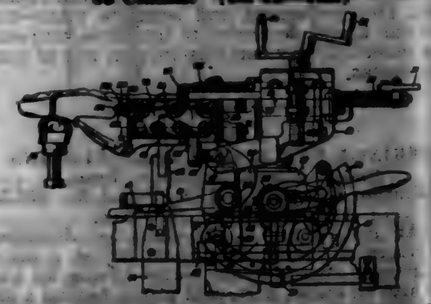
ring held under compression by the reinforcement and the ring.

2,028,166
APPARATUS FOR COKING LIQUID RESIDUUMS
Clifton John Pratt, St. Louis, Mo., assignor, by mesne assignments, to J. F. Devine Manufacturing Co., Inc., Mount Vernon, Ill., a corporation of Illinois
Application August 6, 1931, Serial No. 555,481
Renewed September 24, 1934
1 Claim. (Cl. 202—117)



Apparatus for coking relatively heavy liquid residuums comprising a distilling chamber having a stationary heated floor, means introducing said liquid residuums into said chamber so as to fall upon said floor, means within said chamber continuously scraping the residuums from said floor and pushing the residuums in a direction towards the end of said chamber, a coking chamber receiving the residuums from the end of said distilling chamber, said coking chamber having as a floor a continuously moving grate on to which the residuums fall as they enter said coking chamber, and which carries the residuums through the length of the said coking chamber, and furnaces below the residuum-receiving portion of said grate, said furnaces exteriorly heating both of said chambers, but maintaining said coking chamber at a temperature higher than that of the distilling chamber.

2,028,167
MACHINE FOR SHAPING SHOE UPPERS
Arthur F. Pym, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 31, 1934, Serial No. 759,858
38 Claims. (Cl. 12—14.1)



1. In a lasting machine, a support for a last, and means for pressing a shoe upper on said last into conformity to the contour thereof, said support and pressing means being relatively movable into and out of pressing relation, said pressing means comprising a plurality of pressing members arranged in series extending horizontally from one side of the last to the other about the heel end, the ends of said members being directed toward the last and being expansible into contact with one another in response to upper shaping pressure exerted thereagainst by the last.

2,028,168
GRID LINING FOR CENTRIFUGAL BASKETS
Eugene Roberts, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah, a corporation of Utah
Application April 24, 1934, Serial No. 721,616
7 Claims. (Cl. 210—76)



1. A filter supporting and spacing grid for a centrifugal basket lining comprising a metallic sheet formed with spaced rows of perforations, and intervening rows of spaced depressed dome-like hollow bosses projecting from the back of the sheet to form a multiplicity of firm supports spacing the sheet from the basket wall and providing unobstructed passages for the flow of liquid in a circumferential direction to the outlet holes in the basket wall.

2,028,169
COMPOSITE BEAM
Rolf K. O. Sahlberg, New York, N. Y.
Application July 9, 1934, Serial No. 734,876
7 Claims. (Cl. 72—61)



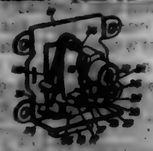
1. An improved composite beam supported at its ends and comprising a steel member with tension and compression members, an intermediate web for resisting vertical bending moments, and a slab for resisting compressive stresses, embedding the steel member in compression and anchored to the steel member by means of a series of projections integral with the steel member, with sufficient rigidity as to form, in cooperation with said compression member, the zone in compression of the composite beam.

2,028,170
SPARK PLUG SCRAPER
Walter L. Scott and Lillian H. Foster, New Orleans, La.
Application July 24, 1934, Serial No. 736,743
1 Claim. (Cl. 15—104.01)



A scraper comprising a plate providing a finger piece, parallel spaced shanks integral with the plate and formed to provide recesses offset from the plane of the shanks and in the same direction to receive a grounded electrode of a spark plug, and flat spaced prongs integral with and extending in the same direction as the shanks with the outer edges thereof substantially parallel and each tapering towards its free end and having inner and outer cutting edges, said shanks and prongs defining a space to receive an insulator of the spark plug.

2,028,171
LOCK
Oscar A. Shamn, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 12, 1935, Serial No. 1,069
10 Claims. (Cl. 70—73)



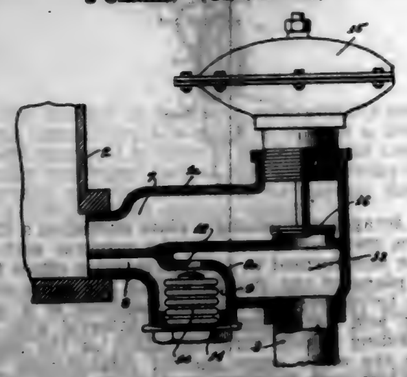
1. A lock comprising a casing having a hole therein, a barrel having a slot therein for reception of a key, a bolt, a plurality of key operated tumblers for controlling the retraction of the bolt, one of said tumblers having a notch on its key operative face of sufficient width to receive the edge of the proper operating key, said notch being so located that the key is engaged thereby and held from further rotation before sufficient rotation thereof to cause retraction of the bolt, and an arm on said tumbler extending through said hole in the casing whereby the tumbler may be manipulated independently of the key action.

2,028,172
ART OF IRRIGATING AND FERTILIZING PLANTS
William Oscar Swook, Phoenix, Ariz., assignor of one-fifth to William Thomas McGeorge, Tucson, Ariz., one-fifth to Julius S. Bemroth, Phoenix, Ariz., one-fifth to James A. Saunders, Washington, D. C., and one-fifth to Herbert H. Porter, Clarendon, Va.
No Drawing. Application June 22, 1934, Serial No. 731,972
13 Claims. (Cl. 47—58)

1. The method of irrigating alkaline soils which comprises storing water at a level above the soil to be irrigated, employing a part of the energy of the stored water to generate electricity, em-

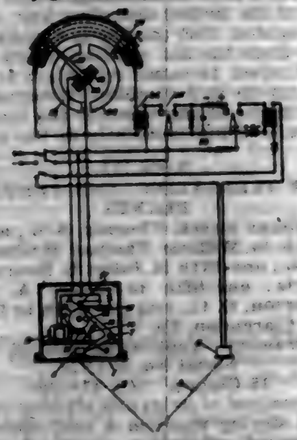
ploying the electricity to produce nitrogen oxides, absorbing the nitrogen oxides into a part of the water, and moving the charged water to the soil by another part of the energy thereof.

2,028,173
CONTROL FOR RADIATORS
Richard H. Thomas, Oak Park, Ill., assignor to Lurielle A. Thomas, Oak Park, Ill.
Application January 27, 1934, Serial No. 708,580
3 Claims. (Cl. 237—67)



1. In a single pipe heating system, the combination with a radiator, of a steam supply pipe, a single connection between said pipe and radiator, said connection having an upper steam passage leading to the radiator and a lower condensate return passage leading from said radiator to said steam supply pipe, said condensate return passage having an intermediate chamber and a barrier between said chamber and said steam supply pipe, said barrier having a port and a thermostatically controlled valve in said chamber for controlling the flow of condensate through said port, said condensate return passage being unobstructed between said chamber and radiator to permit said condensate to continually escape from said radiator into said chamber for influencing said thermostatically controlled valve.

2,028,174
DISTANCE AND DEPTH FINDING
Edwin R. Turner, Jr., West Roxbury, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application July 29, 1929, Serial No. 381,971
7 Claims. (Cl. 177—386)



1. In a system for determining depths or distances in combination a sound producer, an electrical switch, a measuring scale having an initial position, an indicator, means for moving the indicator uniformly with respect to the scale from the initial position, means operable by the electrical switch to restore and hold the indicator in its initial position, and means operable by the sound producer to operate the electrical switch whereby the closing of the switch takes place just before the sound production and the release of the indicator simultaneously with the sound production.

2,028,175
DISPENSING TUBE
Sheridan C. Waite, Springville, N. Y.
Application February 14, 1934, Serial No. 711,210
Renewed April 16, 1935
3 Claims. (Cl. 221—69)



1. In a dispensing tube, a discharge nozzle having a normally closed bottom wall, and a valve closure associated with the nozzle and having a cutting blade at its inner end for cutting an opening in the bottom wall of the nozzle, an external shoulder intermediate the ends of the closure member and a disk head at the outer end of the closure member having a curved bottom surface adapted to spin the outer end of the nozzle inwardly to form a flange for abutting engagement with the shoulder to prevent accidental displacement of the closure member relative to the nozzle.

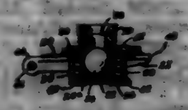
2,028,176
BRUSH RIGGING AND END CAP ASSEMBLY FOR SURGICAL MOTORS AND THE LIKE
Howard A. Whiteside, New York, N. Y.
Application July 26, 1932, Serial No. 624,121
Renewed March 13, 1935
26 Claims. (Cl. 171—234)



10. In a miniature motor, the combination with a stationary motor casing made of frangible insulating material, and a revolvable armature shaft carrying a commutator, of a combined brush rigging and end cap assembly, comprising a brush carrying disk made of frangible insulating material and having a reduced portion slidably received within the motor casing and firedly secured to the motor casing across the end thereof and in position to hold brushes carried thereby on the commutator, a cup-shaped end cap, also made of frangible insulating material and slidably received about the periphery of the disk, means to secure the end cap to the brush carrying disk with the end cap surrounding the disk and having its edge abutting the end of the casing, the inner surfaces of the end cap and casing adjacent the edges being in con-

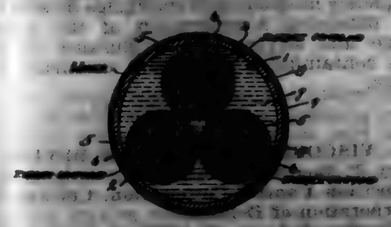
with and reinforced by the disk, and a bearing carried by one of said parts for supporting one end of the armature shaft.

2,028,177
VALVE OR DRAIN PLUG
James Howard Williams, Providence, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a corporation of Delaware
Application October 28, 1933, Serial No. 695,618
1 Claim. (Cl. 251—56)



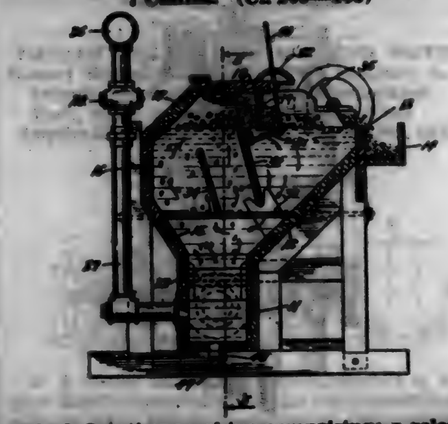
A device of the character described comprising a stem adapted to be connected with a drain hole of a container and having a passageway therethrough; a plate member associated with said stem having parallel depending guideways along opposite edges; a slide member movable along said guideways transversely to the axis of said passageway, having a depending socket with an inturned flange and outturned lugs at the bottom; a cup member arranged in said socket and having an outturned flange at its upper end; a spring coiled around said cup member and engaging the said flanges and tending to move the cup member toward the plate member; and a ball seated in said cup member and arranged to be seated on the edge of the passageway to close the same; the said spring yielding to permit the ball to be withdrawn from the passageway and move along said plate member as the slide member moves along said guideways; and means for moving said slide member comprising a rod having a hooked end adapted to slip by said outturned lugs and engage the depending socket of the slide; the said lugs preventing downward dislodgment of the rod from the slide during the moving thereof.

2,028,178
ELECTRIC CABLE
Robert J. Wiseman, Paterson, N. J., assignor to The Okonite Company, Passaic, N. J., a corporation of New Jersey
Application June 22, 1916, Serial No. 723,159
4 Claims. (Cl. 173—264)



1. An electric cable for the transmission of high tension electrical energy comprising in combination a flexible imperforate enclosing casing, a conductor insulated with a solid water impervious material of high dielectric strength which is capable of being improved by the application of pressure thereto loosely enclosed within the said casing, and water under super-atmospheric pressure sufficiently high materially to increase the dielectric strength of the said conductor insulation filling the space within the casing unoccupied by the conductor and its insulation and in direct contact with the surface of the conductor insulation.

2,028,179
FLOTATION MACHINE
Randall P. Akins, Denver, Colo.
Application November 7, 1933, Serial No. 696,829
7 Claims. (Cl. 209—168)



1. A flotation machine comprising: a relatively long tank; a longitudinal air channel in the bottom of said tank; a series of air partitions dividing said air channel into a series of air chambers; a perforated member covering each of said chambers; a forwardly inclined front wall in said tank above said channel terminating below the solution line in said tank; a rear wall in said tank formed to extend in a general forward direction, said rear wall terminating above the solution line in said tank; and a baffle board positioned above said perforated medium and below the solution level in said tank, said baffle board being inclined so as to direct rising material toward said rear wall, said baffle board being hingedly supported so that its angular position may be varied at will.

2,028,180
ACOUSTIC MATERIALS
Harold D. Arnold, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 13, 1930, Serial No. 482,478
2 Claims. (Cl. 154—44)

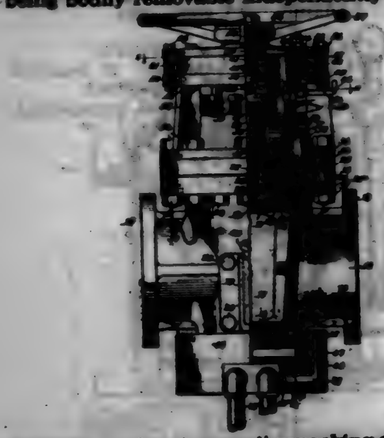


1. A partition or wall covering for the acoustic treatment of rooms comprising a thick, porous and easily compressible layer of low density material adapted to readily absorb energy from air waves of the lower frequencies, and an exposed, thin layer of high density non-porous material covering the porous material to prevent excessive absorption of energy from air waves of the higher frequencies.

2,028,181
PLUG VALVE
Francis N. Bard, Highland Park, Ill., assignor to Walworth Patents, Inc., Boston, Mass., a corporation of Massachusetts
Application August 20, 1931, Serial No. 560,266
16 Claims. (Cl. 251—91)

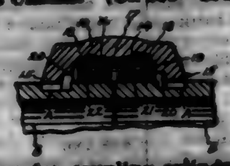
1. In a valve, a body or housing, a valve member moving therein, a valve retaining member on the housing, a packing for the valve adjacent to said retaining member, a gland engaging said packing, a bonnet for the housing overlying said

gland, common means for securing the retaining member and bonnet to said housing, means for compressing the gland and packing, said bonnet being bodily removable independently of said re-



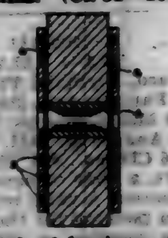
taining member, to permit repacking of said valve, and means for securing the retaining member to the housing independently of the bonnet whereby said retaining member is adapted to hold the valve in the body during the repacking.

2,028,182
COUPLING
Ford Earnickel, Jr., Tulsa, Okla.
Application April 28, 1933, Serial No. 667,967
8 Claims. (Cl. 285—194)



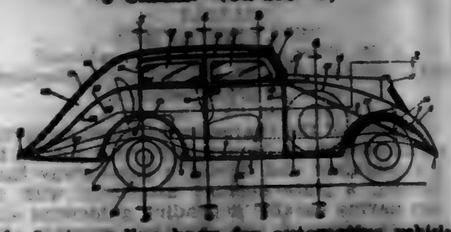
1. A housing for coupling cylindrical members including, a pair of substantially semi-circular members having cavities therein extending from end to end thereof and provided with a rib and seats on each side of said rib, the ends of said members having their cavity portions flared outwardly, and ears on the ends of the members for securing them together.

2,028,183
ABRASIVE WHEEL AND METHOD OF MAKING THE SAME
Raymond Calvin Benner and William George Seley, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania
Application April 18, 1930, Serial No. 445,267
In Canada June 7, 1929
16 Claims. (Cl. 51—168)



9. An abrasive wheel having a metal disk attached to each lateral face thereof by cement containing a phenolic condensation resin and granulated filler in sufficient proportion to modify the character of the resin whereby the said cement has a higher modulus of elasticity than the said abrasive wheel.

2,028,184
AUTOMOBILE
Fred B. Berghoff, Minneapolis, Minn.
Application June 7, 1934, Serial No. 729,468
5 Claims. (Cl. 296—1)



1. A streamline body for automotive vehicles having substantially smooth unbroken side walls, an elongated downwardly and rearwardly extending rear wall, and a top whose width is less than the tread of the vehicle, said rear wall forming in effect a continuation of said top and extending downwardly and rearwardly in relatively smooth unbroken lines to the lower peripheral edge of the body, said side walls being sloped inwardly from a width greater than the tread of the vehicle at the lower peripheral edge of the body to said top and rear wall, thereby to provide a body, the shape of which reduces wind resistance and increases the stability of the vehicle on the road of relatively high speeds.

2,028,185
PROCESS FOR OBTAINING VALUABLE PRODUCTS FROM ACID SLUDGE
John C. Bird, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 9, 1932, Serial No. 585,767
22 Claims. (Cl. 260—159)

1. A process for obtaining a separation of components of acid sludge comprising contacting the sludge with an oxygenated organic solvent not completely miscible with the sludge or with water, and obtaining a separation of the contacted sludge and solvent into a plurality of phases each containing a component originally in the sludge.

2,028,186
VISCOSITY-RESPONSIVE DEVICE
Harry T. Booth, Detroit, Mich., assignor to Lubrication Control Corporation, Chicago, Ill., a corporation of Delaware
Application February 7, 1933, Serial No. 655,576
17 Claims. (Cl. 137—155)



1. In a fluid system, two fluid paths, a heat exchange device in one path, a conduit with which said paths communicate, valve means for controlling flow through said paths, a chamber having in-

let and outlet passages, one of said passages comprising a friction tube and the other passage comprising an orifice, said inlet passage being in communication with said conduit, means for maintaining constant pressure differential across said inlet passage, and means for actuating said valve means in response to pressure variations at one side of said inlet passage.

2,028,187
VISCOSITY-RESPONSIVE DEVICE
Harry T. Booth, Detroit, Mich., assignor to Lubrication Control Corporation, Chicago, Ill., a corporation of Delaware
Application February 7, 1933, Serial No. 655,576
7 Claims. (Cl. 137—155)



1. In a fluid system, two fluid paths, a conduit with which said paths communicate, a heat exchange device in one path, a chamber having a port comprising a friction tube and another port comprising an orifice, means for supplying fluid from said conduit to one of said ports, means for regulating the pressure of the supplied fluid to maintain constant pressure within said chamber, and valve means responsive to the pressure of the fluid supplied to the inlet port of said chamber for controlling flow through said paths.

2,028,188
VISCOSIMETER
Harry T. Booth, Detroit, Mich., assignor to Lubrication Control Corporation, Chicago, Ill., a corporation of Delaware
Application February 7, 1933, Serial No. 655,580
11 Claims. (Cl. 265—11)

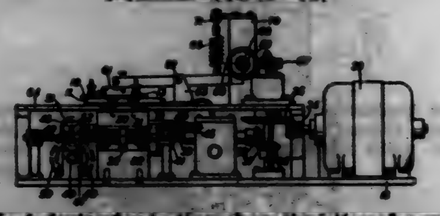


6. In a viscosimeter, a casing, a hollow piston mounted in said casing, a spring opposing movement of the piston in one direction, said casing and hollow piston having cooperating ports to control fluid flow into the piston, a friction tube extending through the end of said hollow piston, said casing having an outlet orifice, and a pressure actuated viscosity indicator connecting with the interior of said piston.

2,028,189
UNDERCOAT FOR LACQUERS AND LACQUERED MATERIAL
Walter D. Bowlby, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 12, 1931, Serial No. 577,523
9 Claims. (Cl. 91—68)

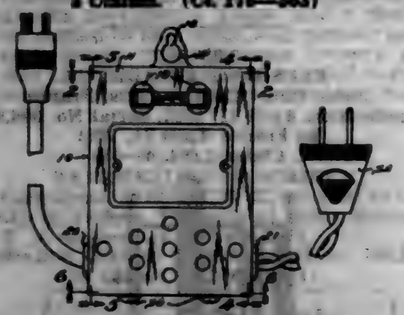
1. A waterproof, greaseproof and odorless packaging material comprising paper having a surface thereof coated with starch and having a nitrocellulose coating superimposed on said starch coating.

2,028,190
IMPACT TESTING DEVICE AND METHOD
Robert Burns, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 21, 1932, Serial No. 600,151
8 Claims. (Cl. 73—51)



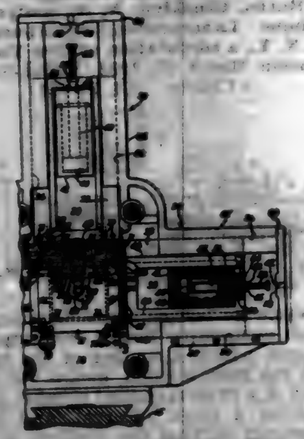
5. A device for testing characteristics of a surface finish comprising means for supporting the sample upon which a coating of the material to be tested has been applied, means for subjecting said finish to a predetermined number of uniform blows during a given interval, and means for simultaneously varying the position of the sample holder with respect to the impact means, said varying means comprising a cam arranged to vary the position of the sample holder in one direction and a second cam for varying the position of the sample holder in a direction at right angles to the direction of movement caused by said first cam.

2,028,191
ALTERNATING CURRENT TO DIRECT CURRENT CONVERTER
Avery B. Chereton, Detroit, Mich., assignor to E. S. Evans & Sons Company, a corporation of Michigan
Application October 5, 1926, Serial No. 744,557
3 Claims. (Cl. 175—363)



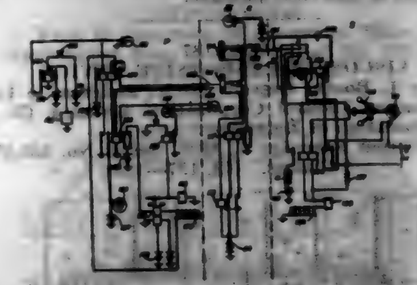
1. Current rectifying and transforming apparatus including a casing having an opening in one wall for accommodating the passage of said apparatus therein and spaced openings in an opposite wall, a combined transformer and rectifier unit having all portions fixed in assembled relationship independently of said casing and removably insertable in the latter through the opening in said first mentioned casing wall, spaced fuse coupling elements mounted on said unit, each of said elements being registerable with one of said openings of said second mentioned casing wall respectively and adapted to extend therethrough during insertion of said unit into said casing, and a fuse engaged in said casing and located externally of said casing.

2,028,193
DIE CASTING MACHINE
George L. Cherry, Western Springs, Ill., assignor to Western Electric Company, Incorporated, a corporation of New York
Application January 11, 1934, Serial No. 706,194
2 Claims. (Cl. 22—93)



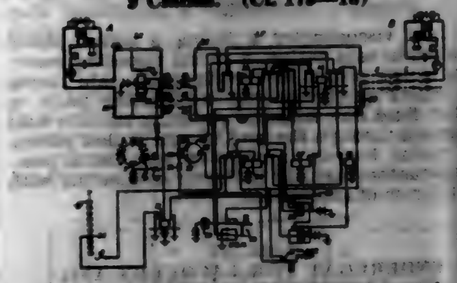
1. In a die casting machine, a die supporting plate for interchangeably supporting a plurality of different dies having variously arranged cores for movement into and out of the corresponding die cavities, and core actuating means comprising a hollow slide mounted directly on said die supporting plate for movement toward and away from the die, elongated slideways on the supporting plate extending substantially the full length of said slide for guiding the same in its movements, a motive fluid cylinder attached directly to the supporting plate within the hollow of said slide, a piston in said cylinder connected for actuating the slide, and a readily replaceable adaptor plate on the slide for connecting the slide interchangeably with variously arranged cores of the different dies.

2,028,194
PRINTING TELEGRAPH SYSTEM
Thomas L. Corwin, Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 14, 1934, Serial No. 735,172
1 Claim. (Cl. 178—4.1)



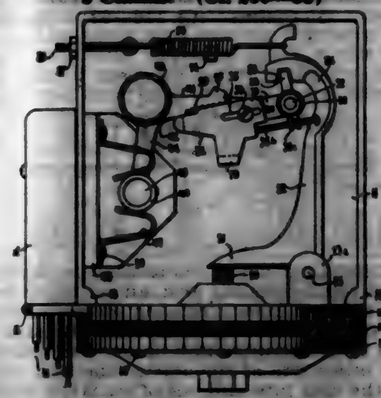
A teletypewriter system having a central teletypewriter office with a concentration board, a subscriber's teletypewriter connectable to the concentration board by only a single wire telegraph line, said line being normally closed to alternating current and normally open to direct current, a normally unoperated teletypewriter motor located at the subscriber's station, motor starting means at the subscriber's station for starting the motor, control means at the concentration board for applying alternating current to the line to operate the motor starting means for starting the motor, a normally unoperated instrumentality for varying the direct current resistance of the line, said instrumentality being operated only by the teletypewriter motor and only when the motor has attained its full operating speed, and a normally unoperated indicating device at the central office operating in response to the variation in direct current resistance of the line for giving an operator at the central office an invariably correct indication that the teletypewriter motor at the subscriber's station has attained its full operating speed.

2,028,195
TELEPHONE SYSTEM
Thomas L. Dimond, Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 18, 1934, Serial No. 735,758
9 Claims. (Cl. 179—18)



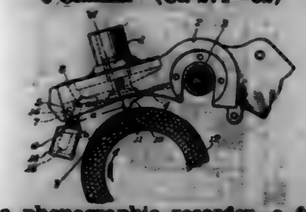
6. The combination in a selective switch of a terminal bank and a set of brushes including a test brush, a magnet for stepping said brushes over said terminals, a stepping relay, an energizing circuit for said magnet extending through a normal contact of said relay, a space discharge device connected to said test brush, and a circuit through said discharge device for operating said relay.

2,028,196
SWITCH
Stanley R. Du Brie, Detroit, Mich.
Application October 2, 1934, Serial No. 747,413
5 Claims. (Cl. 200—83)



1. A pressure switch means comprising an operating bell crank, means tending to rotate the same in one direction on an increase in pressure, adjustable resilient means tending to rotate the same in the opposite direction, the two means being in opposition, a contact making bell crank, and a connecter bell crank having one arm operatively connected to an arm of the operating bell crank through a positive connection and having another arm operatively connected to an arm of the contact making bell crank through an adjustable resilient connection which provides an over center snap action for the contact carrying bell crank.

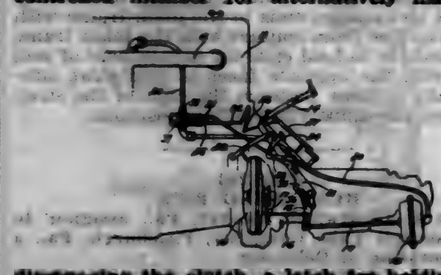
2,028,197
PHONOGRAPHIC RECORDER
Orville M. Dunning, East Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application March 6, 1933, Serial No. 659,743
6 Claims. (Cl. 274—32)



2. In a phonographic recorder, a frame substantially stationary as to vibration, a sound box comprising a casing and a vibratile element carried by said casing, said sound box being mounted for movement relatively to said frame, and sound box stabilizing means comprising a plurality of relatively movable surfaces and a viscous fluid intervening said surfaces and arranged for viscosity reaction therewith, said surfaces being provided in part on said frame and in part on said sound box casing.

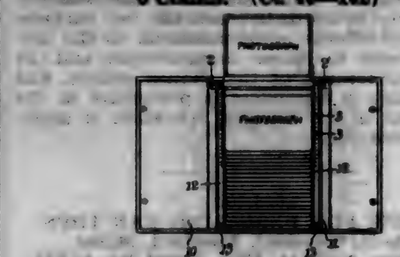
2,028,198
AUTOMATIC CLUTCH CONTROL
Harold F. Elliott, Palo Alto, Calif.
Application February 23, 1933, Serial No. 657,345
6 Claims. (Cl. 192—91)

1. In a control mechanism for power transmission to an engine operated vehicle, a clutch, power means for operating the clutch including a manually controlled member which when operated causes the clutch to be released, a manually controlled member for alternatively manually



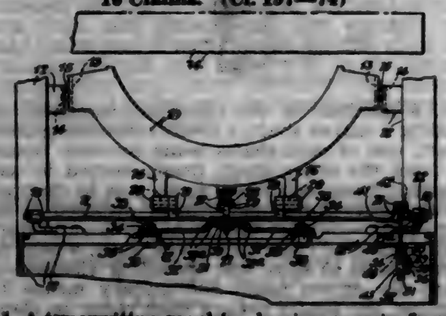
disengaging the clutch, a latch for holding the member that operates the power means, and means whereby the latch is released when the manual disengaging means is moved.

2,028,199
APPARATUS FOR DISPLAYING PHOTOGRAPHS
Herman Fabry, Evanston, Ill.
Application May 13, 1935, Serial No. 21,099
6 Claims. (Cl. 40—102)



1. In combination a support, a pair of spaced, parallel walls secured to the support and each provided with openings, a pair of photographs or similar objects adhesively joined in back-to-back relation, means at the top edge of said joined photographs providing a hinge, and a flexible member carried by said hinge, said member being of greater length than the space between said walls and the ends of which are adapted to enter the openings therein only by flexure of said member.

2,028,200
TYPEWRITING MACHINE
Carl Gabrielson, Syracuse, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application October 5, 1934, Serial No. 746,949
10 Claims. (Cl. 197—74)



1. A typewriting machine having a main frame, a support mounted in the main frame for shift-

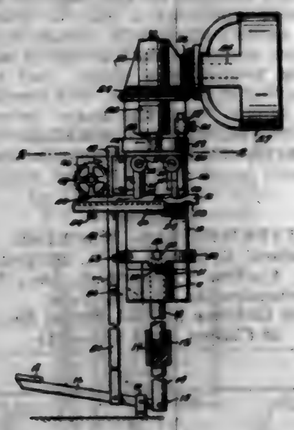
ing movement from one to the other of two positions to condition the machine for printing upper and lower case characters, two spaced stops movable with said support, and a resilient metal strap held at its opposite ends to the main frame with the strap free from contact with the main frame intermediate its held ends for engagement of said stops with the opposite faces of said strap substantially midway between the ends of the strap to arrest the support in said two positions.

2,028,281
BUTT-WELD PIPE
Robert L. Gangwisch, Beaver, Pa., assignor to Pittsburgh Tube Company, Pittsburgh, Pa., a corporation of Delaware
Application September 11, 1935, Serial No. 40,668
2 Claims. (Cl. 266—12)



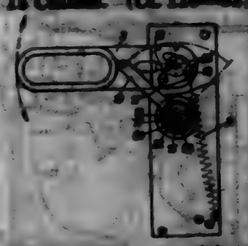
2. In the production of butt-weld pipe the method of procedure herein described which consists in shaping to tubular form and welding in a welding bell a skelp with oppositely beveled and convex edges and with opposite surfaces of unequal width, the wider surface of the skelp being the outer surface of the shaped article, whereby the disparity in width between the two surfaces of the skelp affords accommodation to the disparity between the inner circumference and the outer circumference of the shaped article, and the convexity of the edges is preventive of the development in the bending operation of scale-lodging concavities.

2,028,282
MACHINE FOR UNSEALING CAN TOPS
Emile N. Gauthier, Rumford, Maine
Application April 11, 1935, Serial No. 15,923
4 Claims. (Cl. 113—1)



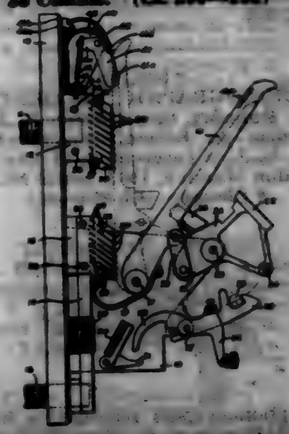
2. A machine of the character described, including a driven shaft, a freely rotatable opposed shaft, one of said shafts being movable toward or from the other shaft, heads carried by said shafts and between which a can may be clamped, a can flange-spreading element disposed in the path of movement of the rim of the can and shiftable toward or from the driven head, a cam reciprocatable to shift said spreading element toward the driven head, and unitary means for shifting the shafts toward each other to clamp a can between said heads and simultaneously shift said cam to its operative position.

2,028,283
VISUAL SIGNALING DEVICE
Ernst Görler and Henry Fruhn, Berlin, Germany
Application November 15, 1932, Serial No. 643,262
In Germany November 23, 1931
15 Claims. (Cl. 116—62)



1. A signaling device comprising in combination a pivoted signaling arm, an actuating member for the arm, means causing successive movements of the actuating member in the same direction to be operative first on one side and then on the other side of the axis of the said arm to swing the arm into and out of signaling position alternately, and means causing an automatic retraction of the said actuating member after each movement thereof.

2,028,284
ELECTRIC CIRCUIT INTERRUPTER
Herbert C. Graves, Jr., East Bradford Township, Chester County, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey
Application May 15, 1934, Serial No. 725,731
25 Claims. (Cl. 200—166)

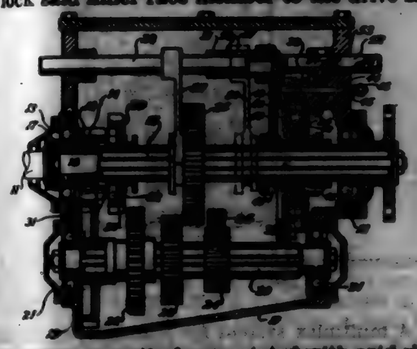


1. In an electric circuit interrupter, cooperating relatively movable contact structures having opposed substantially plane contact surfaces, a rigid conducting element disposed between said opposed surfaces to engage both in circuit-closing position of said interrupter, and resilient means for pressing said conducting element against both of said opposed contact surfaces when said interrupter is in circuit-closing position.

2,028,285
AUTOMATIC AUTOMOBILE BRAKE
Clair F. Hahn, Alliance, Ohio
Application March 25, 1935, Serial No. 12,455
10 Claims. (Cl. 188—4)

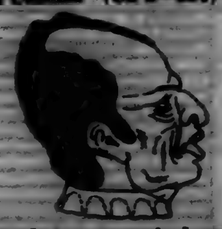
1. A transmission mechanism including a driv[ing] shaft, shifter rod means for causing a reverse rotation of said shaft and forward rotation of

the shaft at several speeds including a low speed and for shifting to a neutral position from each of said reverse and forward speeds, an automatic brake for preventing reverse rotation of said shaft and comprising an overrunning clutch including a normally stationary outer race member and an inner race member rotatable therein and surrounding the drive shaft, a sleeve slidably splined upon the drive shaft and adapted to lock said inner race member to the drive shaft



and means operatively associated with said sleeve and operatively associated with the shifter rod means so as to permit a certain amount of lost motion between said means and the shifter rod means for moving said sleeve to locking position when the shifter rod means is shifted to low speed and for moving said sleeve to unlocking position when the shifter rod means is shifted to reverse and for retaining the sleeve in unlocked position when the shifter rod means is shifted to neutral from reverse.

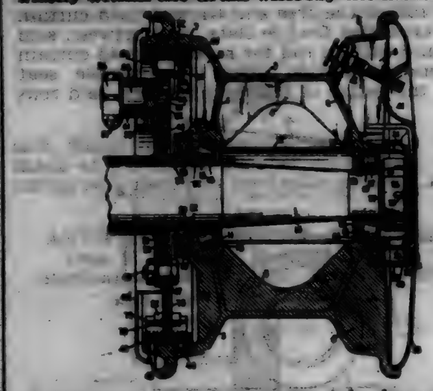
2,028,286
DISGUISE
William A. Hall, Los Angeles, Calif., assignor to Max Factor & Co., Los Angeles, Calif., a corporation of Delaware
Application May 31, 1932, Serial No. 614,455
2 Claims. (Cl. 2—224)



1. A disguise for a muscularly actuated part of a wearer comprising a thin resilient layer for closely contacting with the part of the wearer to be disguised, and a supplemental yielding layer joined to the resilient layer at places corresponding to little or no muscular movement.

2,028,287
WHEEL AND BRAKE THEREFOR
Alexander C. Hamilton, Pleasant Ridge, Mich., assignor, by mesne assignments, to Hayes Industries, Inc., Jackson, Mich., a corporation of Michigan
Application June 5, 1931, Serial No. 542,208
24 Claims. (Cl. 188—78)

1. In brakes, a brake drum, an anchor within the drum, a flexible band having one end secured to the anchor, and means to move the other end within a circle having its axis substantially parallel to the axis of the drum, said circle being wholly within the drum whereby the movable end



of the band and drum cannot be brought into contact.

2,028,288
HYDROCARBON ENGINE FUEL PUMP
Lewis H. Haney, Los Angeles, Calif.
Application July 28, 1930, Serial No. 471,167
Renewed April 9, 1935
1 Claim. (Cl. 103—154)

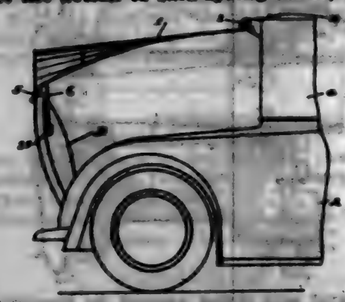


In a fuel pump, a cylinder having an inlet, a valve for controlling said inlet, said cylinder having an outlet, said cylinder including a pair of spaced openings in communication with each other, a hollow piston in said cylinder, said piston being closed at the portion adjacent to said cylinder inlet, said piston having an outlet port communicating with the interior thereof and adapted in one position of said piston to register with said outlet of said cylinder, a second port in said piston communicating with the interior thereof, said second port in one position of said piston being adapted to register with one of said spaced openings, the other of said openings being near the end of said cylinder, a plunger in said piston adapted to first reduce the volume between the top of said piston and said plunger and when said piston outlet port registers with said outlet port of said cylinder to first allow free passage through said outlet port at the time of compression and then obstruct the passage through said outlet port, and means to move said piston and said plunger.

2,028,289
REMOVABLE HOOD FOR THE RUMBLE SEAT OF AUTOMOBILES
Lawrence F. C. Hart, Ottawa, Ontario, Canada
Application July 27, 1934, Serial No. 737,289
In Canada July 29, 1933
7 Claims. (Cl. 296—63)

1. In combination with an automobile having a rumble seat, a casing adapted to be secured to

the top, a spring roller journalled in said casing, a curtain wound on said roller having a flexible rod at the free end thereof, said curtain having crosswise flexible slats, rods between said casing and curtain rod for retaining said curtain in extended position above the rumble seat against the action of said spring roller, said rods



being disposed inwardly of the side edges of said curtain, a strut between the automobile and said curtain rod disposed intermediately of the length thereof, and means on each side of said strut between the automobile and said curtain rod tension means to flex said curtain rod to thereby impart a curved or arched shape to said curtain.

2,023,210

COIN COLLECTING APPARATUS

William H. Harvey, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 16, 1935, Serial No. 21,780

3 Claims. (Cl. 232—57.5)



1. In a coin collector, a coin trap, a pivoted vane for supporting said trap, a refund chute, a pivoted shutter in said refund chute, and a latch member for said vane controlled by said shutter.

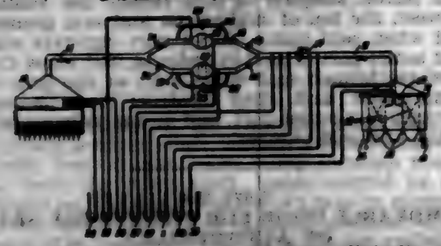
2,023,211

FLUID STREAM CONTROL

Mack E. Haworth, Pittsburgh, Pa., assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application February 18, 1931, Serial No. 516,632

9 Claims. (Cl. 266—582)



1. A main duct, branched intermediate its ends to contain a plurality of blower means, a blower means in each branch, a main damper in said duct, by-pass ducts in said branches extending from the pressure to the suction side of said blower means, and valves in said by-pass ducts.

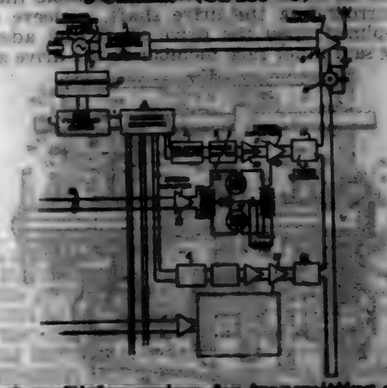
2,023,212

RADIO TRANSMITTING SYSTEM

Raymond A. Heising, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 22, 1932, Serial No. 708,314

9 Claims. (Cl. 250—9)



1. A multiplex system for transmitting signals comprising a plurality of channels, a power amplifier common thereto and means for applying to each of said channels signals of a frequency individual to the respective channel and in such phase relationship as to cause their aggregate magnitude to remain at all times much less than the sum of their individual peak magnitudes.

2,023,213

HEAT EXCHANGER OR COOLER

Arthur E. Hemphill, Egg Harbor City, N. J.

Application April 21, 1933, Serial No. 667,167

3 Claims. (Cl. 62—126)



1. A cooler for use with a compressor and with a volatile liquid refrigerant, comprising in combination vertical unobstructed headers of which one receives liquid refrigerant through an inlet provided near its base and discharges comparatively dry gas from an outlet provided near its top to the compressor and of which both provide free paths for the upward escape of gas from the liquid as it is liberated, horizontal tubes communicating at their ends with the headers and from the ends of which gas generated in any one of the tubes rises through the headers without passing through other tubes whereby said tubes are flooded with liquid, and a partition near the top of the header first above referred to for directing gas therefrom in series through tubes located above the liquid level in the other header, whereby the gas is dried in the upper tubes on its way to the compressor.

2,023,214

SOAP EJECTING SPRAY HEAD

Mark M. Hennessy, Wauwatosa, Wis., assignor to Durant Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin

Application May 31, 1934, Serial No. 728,371

9 Claims. (Cl. 299—84)



1. A soap ejecting spray head comprising a casing having one end apertured, means for admitting water to the casing for discharge in the form of a spray from said apertures, a soap nozzle in the apertured end of the casing, a soap storage chamber in the casing, a conduit between the soap nozzle and the soap storage chamber, a pressure actuated valve controlling the flow of soap from said conduit to the nozzle, and a piston movable in said conduit to cause pressure upon the soap therein to open said valve and permit ejection of said soap.

2,023,215

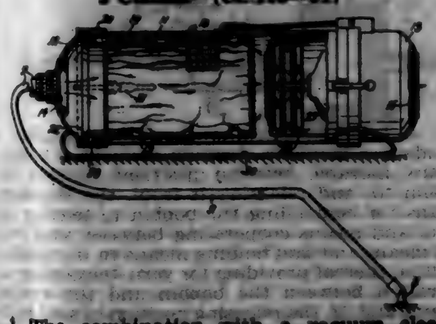
VACUUM CLEANER

Joseph Friedrich Hemberger, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application December 23, 1932, Serial No. 648,297

In Germany December 24, 1931

5 Claims. (Cl. 183—51)



1. The combination with a vacuum cleaner unit including a casing and air flow producing means in said casing, of an open-work bag-shaped structure in said casing, and a seamless paper dust bag adapted to fit into said open-work structure and be supported throughout substantially its entire length thereby, said dust bag having a folded wall, said open-work structure preventing complete lengthwise and crosswise expansion of the dust bag.

2,023,216

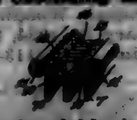
BAG FRAME

William C. Hiering, Newark, N. J., assignor to The J. E. Meyer & Company, Newark, N. J., a corporation of Delaware

Application December 15, 1934, Serial No. 757,708

2 Claims. (Cl. 150—39)

2. In combination with a handbag frame member, a clamping member for holding tops of a slide fastening device, said clamping member comprising an open cylindrical tube having a continuous flange extending the length thereof,



said flange being bendable to conform to the shape of the frame member, and means for securing said flange to the frame member.

2,023,217

ANTIPARASITIC AGENT AND AGENCY

Otto V. Huffman, Bedford Hills, N. Y.

Application July 11, 1933, Serial No. 679,837

3 Claims. (Cl. 102—15)



1. An anti-parasitic charge for a gun cartridge comprising an intermixture of an explosive, a non-fluid anti-parasitic agent and a binder whereby said explosive and said agent are held together in one unitary mass.

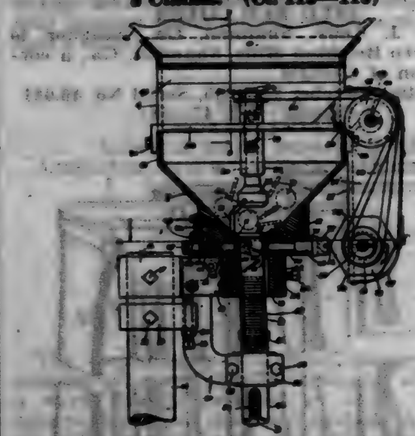
2,023,218

FEEDING MEANS FOR SEALING PADS FOR RECEPTACLE CLOSURE CAPS

John A. Johnson, Woodhaven, N. Y.

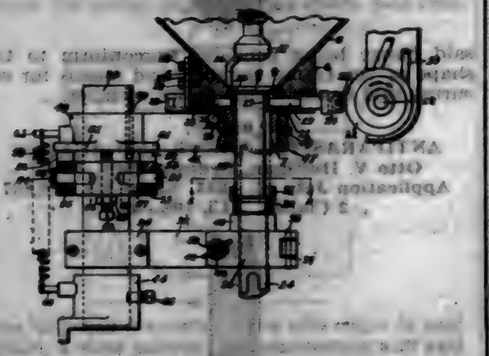
Application March 15, 1933, Serial No. 660,863

5 Claims. (Cl. 112—113)



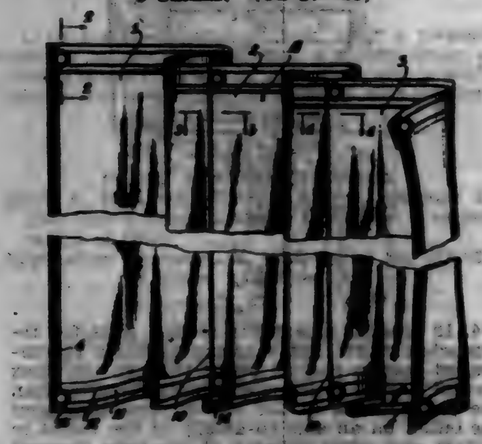
4. In feeding means for sealing pads for receptacle closure caps, a casing having a funnel-shaped bottom and an outlet through the apex thereof having a diameter slightly greater than the pads, means in the casing revolvable about the outlet on an axis co-axially of the outlet to agitate and cause delivery of the pads through the outlet, a tube supported to have movement at one end co-axially of the outlet with the opposite end juxtaposed to the casing outlet to receive the pads therefrom, means to yieldingly urge said end of the tube in a direction laterally of the outlet, and means to intermittently impart movement to the tube against said yielding means in the opposite direction laterally of the outlet to vibrate the tube and thereby effect a stacking of the pads therein.

2,028,219
FEEDING MEANS FOR SEALING PADS FOR RECEPTACLE CLOSURE CAPS
John A. Johnson, Woodhaven, N. Y.
Application February 15, 1934, Serial No. 711,268
13 Claims. (Cl. 113—115)



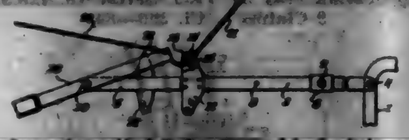
1. In feeding means for sealing pads for receptacle closure caps, a hopper having an outlet, a tube movably carried in the hopper outlet to have lateral movement relative to the vertical axis thereof, a second tube mounted in alinement with the hopper outlet, means to normally support the hopper with the first tube in communication with the second tube, and means adapted to move the hopper away from the supporting means and position the first tube in spaced relation with said second tube to permit removal of the second tube from its mounting.

2,028,220
SEED BED COVER
Timothy J. Kelly, Shannon, Ga., assignor to Southern Brighton Mills, Shannon, Ga., a corporation of Georgia
Application October 22, 1935, Serial No. 46,061
9 Claims. (Cl. 47—33)



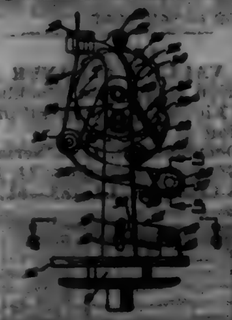
1. A net for covering seed and plant beds, comprising a plurality of strips of netted material, having at least one wire selvage, said strips being connected at their adjacent edges by narrow seams made up of overedged wire selvages of adjacent strips forming a single wide strip of said netted material, the seams being alternately on opposite sides of the net, and said seams being substantially only the width of the overedge stitching.

2,028,221
AUTOMATIC HITCH
Arthur L. Klenig, Manitowoc County, Wis.
Application November 14, 1935, Serial No. 49,884
10 Claims. (Cl. 280—33.5)



1. An automatic hitch adapted to be interposed between a draft device and a drawn implement, said hitch comprising a body portion, a draft link slidably guided on said body portion and normally occupying an extended forward position with reference to said body portion, a tongue member pivotally mounted adjacent the rear end of said body portion, and automatically acting means for rocking said tongue member about its pivot on said body portion when said draft link is slid backwardly with respect to said body portion.

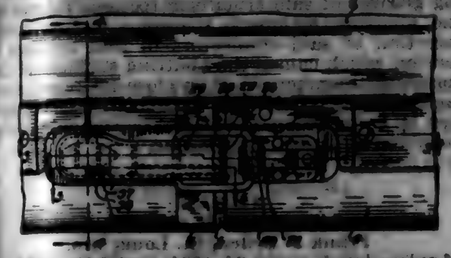
2,028,224
BRAIDING CARRIER
Max Krieger, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application February 13, 1935, Serial No. 6,379
14 Claims. (Cl. 66—13)



1. A braiding-machine carrier comprising a standard, a machine-stopping member, a bobbin, means movable between positions holding the bobbin to, and releasing it from, the standard, means for controlling the bobbin to tension the yarn, and means cooperating between said control means and said holding means in the holding position thereof providing for yarn-tensioning cooperation between the bobbin and the control means, and, in the releasing position of said holding means, to prevent tensioning of the yarn and to maintain the stopping member in position to prevent operation of the machine.

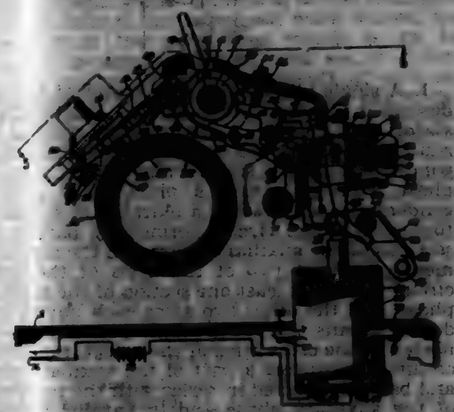
2,028,225
COVER LOCK
Charles F. Lambert, Grosse Pointe Farms, Mich., assignor to Clayton and Lambert Manufacturing Company, Detroit, Mich., a corporation of Delaware
Application April 17, 1933, Serial No. 666,523
4 Claims. (Cl. 70—60)

1. A lock structure for a tire cover having a cover member in the form of a split ring, comprising a toggle lever pivoted to one end of the ring, a link connecting the lever to the opposite end of the ring, a holding member secured to the first mentioned ring end, said member provided with an aperture, a key operated lock device carried by the lever, an eccentric lock member movable into



the aperture upon actuation of the lock adapted to urge the lever toward the ring member in the turning of the lock.

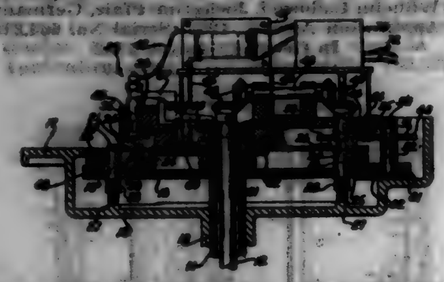
2,028,226
PHONOGRAPH
Sam G. Langley, Maplewood, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application February 4, 1932, Serial No. 591,511
12 Claims. (Cl. 274—21)



6. In a phonograph, a frame, a carriage supported thereon for traversing movement, a sound box mounted on the carriage and having a stylus movable relatively thereto, means for moving the carriage in its advancing direction, and means to back space the carriage comprising a gear wheel rotatively mounted thereon, a rack mounted on said frame and constantly meshing with said gear wheel, and means to lock the gear wheel against rotary motion, to simultaneously center and hold said stylus with respect to the carriage and render said carriage advancing means inoperative, and to thereafter move said gear wheel transversely of said rack and at an angle to the teeth thereof.

2,028,235
WELDING APPARATUS
Homer W. Larson, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 26, 1934, Serial No. 727,923
10 Claims. (Cl. 219—4)

1. In an apparatus for welding, means for continuously advancing work pieces along a predetermined path, means carried by said work piece advancing means for holding the work pieces thereon, and a device for welding successive work



pieces while being advanced, said device having a to and fro movement along said path.

2,028,236
PROCESS FOR SULPHATING OLEFINES
Robert F. La Baron, New York, N. Y., assignor, by mesne assignments, to Standard Alcohol Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 4, 1933, Serial No. 441,623
7 Claims. (Cl. 260—98.15)

1. Process of sulphating secondary butene contained in a mixture of hydrocarbons produced by cracking petroleum oil, which comprises separating from said mixture by distillation a fraction, the olefine content of which consists predominantly of a mixture of branched and straight chain olefines having four carbon atoms to the molecule, and admixing said fraction in liquid phase with aqueous sulphuric acid of from 50–60% H_2SO_4 content, removing the aqueous acid layer and admixing the residual hydrocarbons in liquid phase with aqueous sulphuric acid of from 65 to 70%, H_2SO_4 content.

2,028,237
MOTOR TRUCK
Robert J. Lewis, Baltimore, Md.
Application June 23, 1933, Serial No. 677,293
1 Claim. (Cl. 214—83)



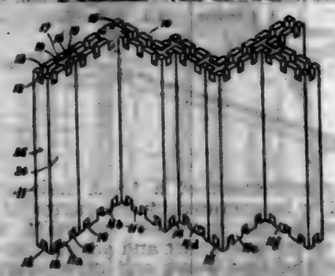
The combination of a truck having a shaft adapted to be operated by the engine of a truck, a worm loosely mounted on shaft, a clutch splined to the said shaft and adapted to co-operate with the said worm and drive shaft, means for operating said clutch, a shaft extending across the front of the truck and having a worm wheel rigidly fixed thereon and in mesh with the said worm and having a beveled gear wheel on one end thereof, a shaft extending along one side of the truck and having a beveled gear on its front end in mesh with the beveled gear on the shaft at the front of the truck, a number of gear wheels rigidly fixed to the shaft at the side of the truck, a conveyor adapted to be removably connected to and slidable along the shaft at the side of the truck and having a shaft rotatably mounted in one end thereof, and a gear wheel secured to the outer end of the conveyor shaft and adapted to mesh with any one of the gear wheels on the shaft at the side of the truck.

2,028,228
ROOFING TILE
Wilhelm Ludewici, Jockgrim/Pfalz, Germany
Application April 2, 1932, Serial No. 604,218
In Germany July 4, 1932
12 Claims. (Cl. 189—19)



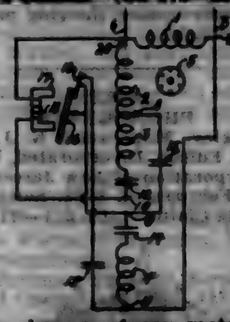
1. A roofing tile comprising a main surface and dovetailing of the top face of said main surface along two adjoining sides at right angles, corresponding dovetailing of the underneath face of the said main surface along the two opposite sides, whereby four of such tiles may be laid together in overlapping relation, and ribs across the dovetailing of each longitudinal side of the top and under faces of the said surface, the said ribs of overlapping sides co-operating to deflect the water on to the main surface through slots adjacent said ribs in the longitudinal dovetailing, said dovetailing on the top face having the inner outer portion thereof offset towards the centre of the tile, and an end piece of the diagonally opposite corner of the tile to said offset, said end piece being of such a shape as to close completely over the offset portion of the dovetailing of the tile next below.

2,028,229
MINIATURE BUILDING STRUCTURE
Hans P. Luhn, New York, N. Y.
Application January 24, 1934, Serial No. 708,027
3 Claims. (Cl. 46—26)



2. In combination, a plurality of structural members arranged in abutting relationship to form a portion of a building structure, each of said members having a longitudinal groove and a plurality of spaced cross grooves in at least one end of said member and forming substantially cruciform shaped depressions therein, the abutting members being so positioned that the adjacent cross and longitudinal grooves of each pair of abutting members cooperate to form at their junction cruciform recesses for receiving similarly shaped connecting members therein, and a plurality of resilient substantially I-shaped connecting members, the cross pieces of which are of suitable dimensions to fit in said cross and longitudinal grooves and the shanks of which are sufficiently short to necessitate longitudinal stretching of said connecting members in order to locate the cross bars of said members in the receiving grooves of said cruciform recesses formed by the abutting members, thereby creating, upon insertion of said connectors in said recesses, a tension which causes the abutting surfaces of the connected members to be in close frictional contact such that the joined members resist separation by transverse and vertical movements of the members in opposite directions.

2,028,230
CONDENSER MOTOR
Frank J. Lyden, St. Louis, Mo.
Application January 22, 1934, Serial No. 707,724
12 Claims. (Cl. 175—323)



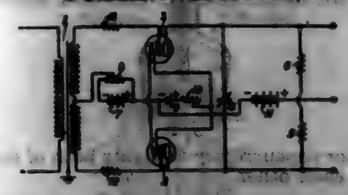
1. A single phase condenser motor of the class described, having two members constituting a stator and a rotor, a main phase winding for connection to a power line and an auxiliary phase winding on one of said members, said auxiliary phase winding having a plurality of sections, condenser means having a plurality of sections, a four-arm bridge circuit formed by part of the sections of the auxiliary phase and the condenser means, each of two of the arms of the bridge circuit having at least one section of the auxiliary phase, and the other two arms each having condenser means therein, a single pole switch connected to the cross arms of the bridge, said bridge circuit constituting a part of the auxiliary phase and being connected in series with the remainder of the auxiliary phase and in parallel with the main phase, said switch having a closed circuit and an open circuit position, said switch in closed circuit position producing one effect of the turns of the auxiliary phase and a certain effective condenser capacity, and when in open circuit position decreasing the effect of the turns in the auxiliary phase and the effective condenser capacity.

2,028,231
BELT CONVEYER
Walter Jacob Mann, Plainfield, N. J., assignor to General Conveyors Limited, Montreal, Quebec, Canada, a corporation of Canada
Application February 2, 1931, Serial No. 513,814
Renewed June 11, 1935
22 Claims. (Cl. 198—197)



1. In a drag belt conveyer system, a pair of parallel belt tracks disposed side by side; a pair of transversely spaced, companion drag belts trained to slide along said tracks and drag an interposed sheet along both tracks with the medial portion of the sheet bridging the space between the belts; and means between the belts and extending along them to engage the medial portion of the sheet and hold it flexed to prevent lateral displacement of the sheet and maintain it in frictional holding engagement with the belts for positive conveyance along the tracks.

2,028,232
SUBMULTIPLE FREQUENCY GENERATOR
Ralph L. Miller, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 5, 1934, Serial No. 733,791
4 Claims. (Cl. 250—36)



1. A frequency changer comprising, a Wheatstone bridge two legs of which are constituted by impedance controllable gas-filled electric discharge devices and the other two legs of which are constituted substantially wholly by resistances and said bridge having a condenser and a direct current source connected across conjugate pairs of corners, an impressed wave source, the frequency of the wave from which is to be changed, means connecting said source differentially to the controlling elements of said devices whereby to cyclically unbalance the bridge by relative control of the impedances of said devices to permit the source to charge the condenser and to rebalance said bridge to permit the condenser to discharge, the interval between unbalance and rebalance and therefore the frequency of charge and discharge of said condenser being determined by the relative values of the constants of said condenser and said resistances, and an output circuit for the changed frequency wave connected across said condenser.

2,028,233
WELDING
Maurice Nalder, Paris, France
Application March 14, 1935, Serial No. 11,046
In Germany March 20, 1934
1 Claim. (Cl. 113—115)



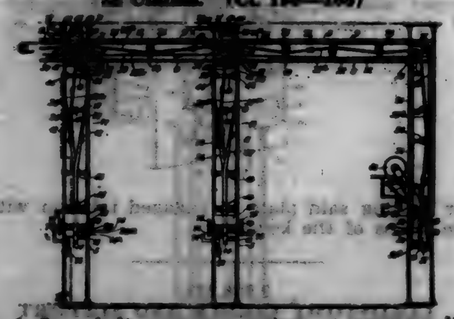
The method of butt-welding metal sheets, consisting in placing welding strips of U-shaped cross-section astride on each of the edges of the parts to be welded, moving said parts towards each other until the welding strips abut, and then performing the welding operation.

2,028,234
HAIR CURLER
Harry Nathid and Henry Engelke, New York, N. Y.
Application August 26, 1932, Serial No. 630,292
2 Claims. (Cl. 132—42)



1. A hair curler comprising a U-shaped piece of resilient material one of the legs of which is shorter than the other, said shorter leg provided with a socket adjacent the end that is joined to the longer leg, and said longer leg having a member at the end thereof adapted to be held in said socket with both of said members bent in the form of a loop.

2,028,235
BELT CONVEYER SYSTEM
John T. Needham, North Plainfield, N. J., assignor to General Conveyors Limited, Montreal, Quebec, Canada, a corporation of Canada
Application June 8, 1932, Serial No. 616,507
Renewed July 8, 1933
22 Claims. (Cl. 198—165)



1. In a belt conveyer system, a conveyer line comprising a plurality of endless conveyer belts, and pulleys training said belts to present cooperating strands arranged in opposed relation for holding articles therebetween and conveying them along the line; means to drive said belts and move the cooperating strands in the same direction and at the same speed; a plurality of relatively small pulleys driven with the first mentioned pulleys of said conveyer belts at the discharge end of the line; a plurality of larger pulleys spaced from the discharge end; and endless belts trained around said small and large pulleys and adapted to receive articles, therebetween from the discharge end of the line, deflect them from said conveyer belts and discharge them from between the larger pulleys at a speed slower than their rate of travel along the conveyer line.

2,028,236
BELT CONVEYER
John T. Needham, North Plainfield, N. J.
Application September 2, 1933, Serial No. 687,947
12 Claims. (Cl. 198—189)

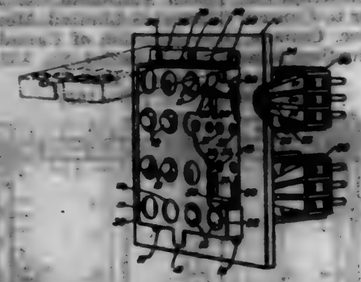


4. A drag belt sheet conveyer line comprising a track extending along the line and having longitudinal track ribs, a drag conveyer belt trained along said track and having a conveyer face directly opposed to the crests of said ribs to convey an interposed sheet along the rib crests, the crests being narrow in comparison with the width of said belt face, and the line being laterally open along and across an outer side edge thereof in the plane of the belt for access to the rib crests beneath the belt to clean the crests.

2,028,237
LOCKING DEVICE
Henry G. Goh, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 31, 1934, Serial No. 708,659
3 Claims. (Cl. 250—27)

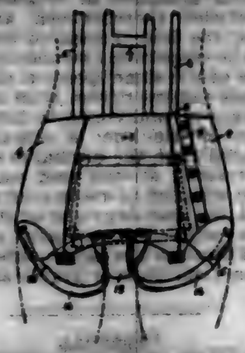
1. In a locking device, a supporting member, a group of switch keys disposed in rows on said supporting member and having operating knobs, a plate pivotally mounted on said supporting member, means carried by said plate for engag-

ing the knobs of the keys for holding them in any of a number of contacting positions, and means



for holding said plate in engaged relation with the knobs of the keys.

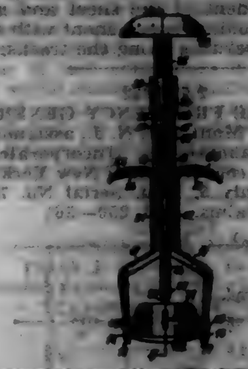
2,568,228
COLOSTOMY GIRDLE AND SUPPORT
Florence M. Olver, Youngstown, Ohio
Application September 16, 1925, Serial No. 56,711
5 Claims. (Cl. 128—282)



1. A colostomy girdle formed with a front and back panel and back and front side panels, fastening means for said girdle, shoulder straps secured to said girdle, leg straps attached to said girdle in order to hold said girdle firm against body and to prevent slipping, a shield secured to said front panel, and a dressing shield secured to lower edge of said front panel for holding dressings in place, said dressing shield extending below the curved lower edge of said front panel to prevent soiling of said girdle, an extended member on said back panel, a crotch strap attached to said front panel and to said extended member on back panel for the purpose of holding rectal dressings in place.

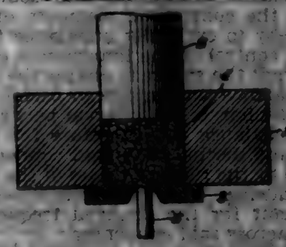
2,568,239
COVER FOR GRAPEFRUIT, ETC.
Peter J. Olin, West Haven, Conn.
Application February 17, 1922, Serial No. 582,582
5 Claims. (Cl. 146—3)

1. In a cover, the combination with a frame having a tube-like upper portion of a pair of transversely-curved cutters pivotally secured to the lower end of the said frame and adapted to swing transversely with respect thereto toward each other; a reciprocating operating-member projecting from the tube-like upper portion of the said frame with capacity for reciprocating movement therein; a downwardly-yielding compression-spring housed in the tube-like portion of the said frame; and a pair of pivotal thrust-transmitting links connecting the said reciprocating operating-member to the said pivotal



blades for concurrently swinging both of the same toward each other.

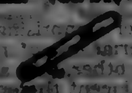
2,568,240
METALLIC PACKING AND METHOD OF PRODUCING THE SAME
Sidney L. Palmer, San Francisco, Calif., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application July 14, 1922, Serial No. 575,041
6 Claims. (Cl. 15—88)



1. As an article of manufacture, a relatively soft, readily deformable core of metallic packing material surrounded by a more dense surface layer, both core and surface layer being formed from a common source of material.

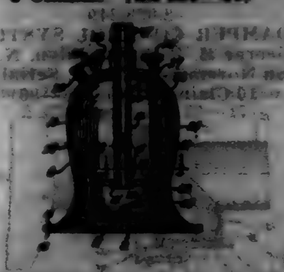
9. The method of producing metallic packing which comprises extruding a mixture of a soft metal selected from the class comprising lead, antimony and antimonial lead, and other packing materials through a rite of suitable cross section with sufficient pressure to weld the metallic constituents of the mixture and cause the walls into a form-retaining skin on the surface of the material being extruded.

2,568,241
METHOD OF MAKING SELF-LUMINOUS ELEMENT
John K. Paul, Newark, N. J., assignor to United States Radium Corporation, New York, N. Y., a corporation of Delaware
Application June 15, 1924, Serial No. 720,765
4 Claims. (Cl. 240—8.25)



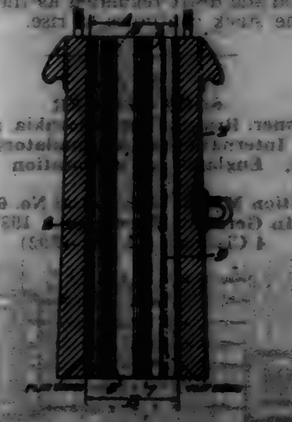
1. The method of making self-luminous elements, which comprises filling an elongated glass tube with self-luminous material, said tube being closed at one end, expelling surplus air from the tube by passing the tube through a flame from the closed end to the open end, and sealing the open end by fusion in the flame without withdrawing the tube from the flame after the air expelling operation.

2,568,242
SOAP EJECTING SPRAY HEAD
Frank E. Pearl, Neenah, Wis., assignor to Durant Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin
Application February 24, 1924, Serial No. 713,782
3 Claims. (Cl. 239—84)



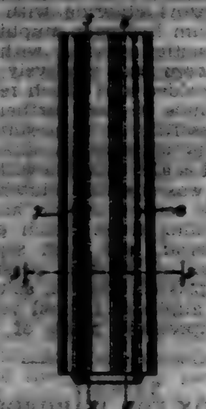
1. A soap ejecting spray head comprising a casing having an apertured lower end, a partition within the casing spaced from said end and forming a chamber for liquid soap therebelow, means for admitting water to the space between said partition and the apertured end for discharge in the form of a spray, a conduit extending from the soap chamber to the apertured end of the casing and communicating with the exterior, and means independent of the flow of water for controlling the flow of soap thru said conduit.

2,568,243
INGOT MOLD FOR STEEL INGOTS
John E. Perry, Youngstown, and William Haig Ramage, Girard, Ohio, assignors to Valley Mould and Iron Corporation, Hubbard, Ohio, a corporation of New York
Application July 5, 1922, Serial No. 569,230
12 Claims. (Cl. 22—120)



1. In a vertical ingot mold, a matrix having salient recesses and non-salient ribs in the side wall thereof, said recesses extending longitudinally of said matrix and being of uniform width throughout the length of the mold, and with one end of said matrix being of larger cross sectional area than the other end.

2,568,244
STEEL INGOT
John E. Perry, Youngstown, and William Haig Ramage, Girard, Ohio, assignors to Valley Mould and Iron Corporation, Hubbard, Ohio, a corporation of New York
Original application July 5, 1922, Serial No. 569,230. Divided and this application August 24, 1923, Serial No. 659,502. In Canada July 14, 1923
9 Claims. (Cl. 22—215)



1. An article of manufacture comprising an ingot of steel tapering from one end toward the other and having salient portions on the longitudinal surfaces thereof, said salient portions on each side being parallel to salient portions on the same side and extending the full length of said ingot, said salient portions being remote from the corners of said ingot.

2,568,245
MANUFACTURE OF SHOES
Charles F. Fyan, deceased, late of Beverly, Mass., by Arthur F. Fyan, executor, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 20, 1925, Serial No. 7,431
9 Claims. (Cl. 12—146)

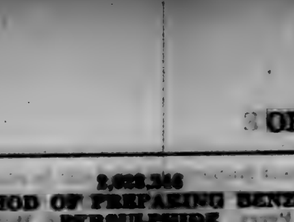


1. That improvement in methods of making shoes which consists in applying a thermoplastic adhesive to at least one of the parts of a shoe comprising an upper and a sole for use in fastening the upper in lasted relation to the sole, beginning the lasting of the portion of the upper to be fastened by said adhesive while the adhesive is in a nontacky condition, and before disposing the upper in final lasted position upon the sole applying a hot gaseous medium in contact with the adhesive to render it tacky.

2,028,246
METHOD OF PREPARING BENZOYL PERSULPHIDE
Theodore H. Rider and Robert Shelton, Mariemont, Ohio, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application August 1, 1934, Serial No. 738,110
8 Claims. (Cl. 260—16)

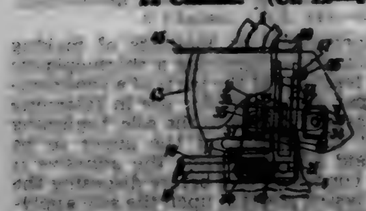
1. The method of preparing medicinally pure benzoyl persulphide which consists in the steps of reacting benzoyl chloride with an aqueous solution of sodium hydrogen sulphide, oxidizing the resultant reaction mixture with a mild oxidizing agent whereupon a relatively pure benzoyl persulphide is yielded and which relatively pure benzoyl persulphide is then further purified by the steps of dissolving it in a suitable organic solvent which is effective to dissolve benzoyl persulphide and is also miscible with alcohol but not with water, washing this solution with dilute aqueous alkali to remove benzoic acid and other impurities including those which give color to the crude material, and then separating the organic solution of benzoyl persulphide and throwing this product out of solution by the addition of an aliphatic alcohol vaporizing below the decomposition point of the benzoyl persulphide.

2,028,247
MAN'S HAT BOX FOR WARDROBE TRUNKS
Julius Ritter, Jr., Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a corporation of Wisconsin
Application June 17, 1935, Serial No. 26,961
3 Claims. (Cl. 206—8)



1. A hat container, comprising a box member, a panel, a sheet-like, one-piece flexible member carried by the panel to releasably engage the brim of a hat to hold the hat against a surface of the panel, and means for removably mounting said panel within the box with its other surface against a wall thereof.

2,028,248
LASTING MACHINE
William Thomas Buckingham Roberts, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 28, 1934, Serial No. 712,914
In Great Britain March 24, 1933
22 Claims. (Cl. 12—4)



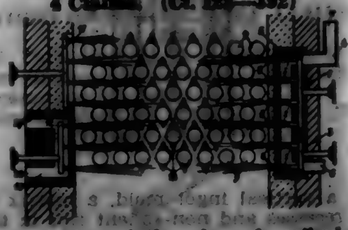
1. In a lasting machine, the combination with heel-end-lasting mechanism including means for clamping an upper about the heel end of a last and a work support movable to present a last and shoe to said lasting mechanism of means movable automatically into position to hold the upper materials in proper relation to the last in locations adjacent to the opposite side edges of the shoe bottom approximately at the forward end of the heel portion of the last after the work support has received its shoe-presenting movement but prior to any substantial clamping action of said clamping means on the opposite sides of the heel end of the upper.

2,028,249
DAMPER CONTROL SYSTEM
George H. Kent, Kenmore, N. Y.
Application November 10, 1932, Serial No. 742,431
10 Claims. (Cl. 236—86)



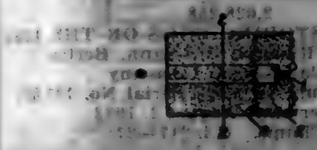
1. In a device having a furnace, a stack therefor having an opening in communication with the atmosphere, and a damper for said opening movable between open and closed positions and adapted, in the closed position, to cause the stack to exert a maximum draft in the furnace for the rapid starting of a fire therein, the combination with said stack and damper, of metallic means expansibly responsive to the temperature in the stack, and actuator means controlled by the temperature responsive means to move the damper from the closed position to an open position thereof, and the actuator means having means to cause a rapid initial opening movement of the damper for an initial relatively low rise in temperature from cold in the stack, and a subsequent opening movement of the damper at a decreased rate for a further rise in temperature in the stack, whereby the maximum draft is rapidly reduced as combustion is initiated, and the draft regulated as the temperature in the stack continues to rise.

2,028,250
SOOT BLOWER
Alois Riesner, Brunn, Czechoslovakia, assignor to Ruths International Accumulators Limited, London, England, a corporation of Great Britain
Application May 1, 1933, Serial No. 668,679
In Germany December 1, 1932
4 Claims. (Cl. 122—392)



1. In a device of the class described, means comprising a wall of heat-resisting material forming a heating chamber, tubes within said chamber, a conduit extending within said wall and having its open ends in communication with the atmosphere outside said chamber at different elevations, said wall and said conduit being formed with narrow aligned slits extending from said conduit to said chamber and directed toward said tubes, nozzles located within said conduit in alignment with said slits so as to project jets of fluid therethrough and against said tubes, a distributing pipe for supplying fluid under pressure to said nozzles, and heat insulating material surrounding and embedding said conduit and said distributing pipe, said insulating material being formed with narrow slits in alignment with the slits in said wall and said conduit.

2,028,251
WRAPPING TAPE
George Sinz, Columbus, Ohio
Application July 11, 1932, Serial No. 621,819
3 Claims. (Cl. 24—17)



3. A flexible bundle wrapping tape comprising tensilly strong flexible uninterrupted securing means of indefinite length and a flexible strip of indefinite length connected with said securing means against relative bodily movement so as to constitute a composite wrapping tape adapted to be wrapped about an object, said flexible strip constituting an anchoring means for said securing means and being provided with an adhesive coating whereby said flexible strip may be adhesively secured to the face of said object to anchor said securing means against movement relative to said object.

2,028,252
ROTATION MECHANISM
Fred M. Slater, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application December 19, 1934, Serial No. 758,172
4 Claims. (Cl. 121—7)



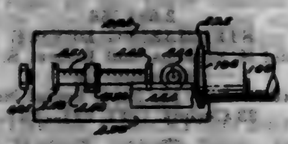
1. A rotation mechanism, comprising a reciprocatory rifle bar, an abutment therefor, clutch members on the rifle bar and the abutment adapted to engage each other, a pressure surface on the rifle bar constantly exposed to pressure fluid tending to actuate the rifle bar for bringing the clutch members into engagement with each other, an opposed pressure surface on the rifle bar of greater area than the first said surface, and means for selectively exposing the pressure surface of greater area to pressure fluid to actuate the rifle bar for disengaging the clutch members.

2,028,253
INSULATION PAD AND CONSTRUCTION
Allen L. Spafford, Cloquet, Minn., assignor to The Weld Conversion Company, Cloquet, Minn., a corporation of Delaware
Application September 15, 1930, Serial No. 481,830
13 Claims. (Cl. 154—44)



1. Insulation comprising in combination a flexible flat core of insulating material, a liner cemented to one face of the core, and a liner cemented to and covering the other face of the core, one liner being wider than the core and projecting beyond two opposite edges of the core, each of the projecting parts of said liner being folded upon itself along a line intermediate the bounds of the projecting portion to provide a flange, and the extreme edge of each projecting portion passing across the edge of the core and being cemented to the other liner.

2,028,254
APPARATUS FOR BALANCING PROPELLER BLADES
John Squires, Hagerstown, Md.
Application July 3, 1933, Serial No. 679,135
9 Claims. (Cl. 73—51)

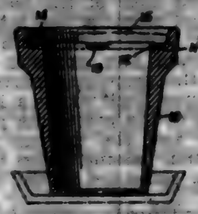


1. Apparatus for balancing propeller blades including a pivotally mounted member having a standard moment differential on one side of its pivotal axis, means on said member for receiving a flange of a propeller blade and detachably supporting the latter on the other side of said pivotal axis with its longitudinal axis in a plane substantially normal to the pivotal axis of said member, including a reference surface engageable with one side of said flange for predetermining the distance of said side of said flange from said axis and including means for positively urging said flange into engagement with said reference surface, and means for varying the moment differential of the respectively opposite sides of said member by known increments so as to determine the amount the moment of said blade varies from said standard moment, said last mentioned means including a scale and a shiftable weight constructed, arranged and calibrated so as to indicate in units of thickness, the correction required in the thickness of said flange to bring said blade to said predetermined standard.

3. Apparatus for balancing propeller blades including a pivotally mounted block having a

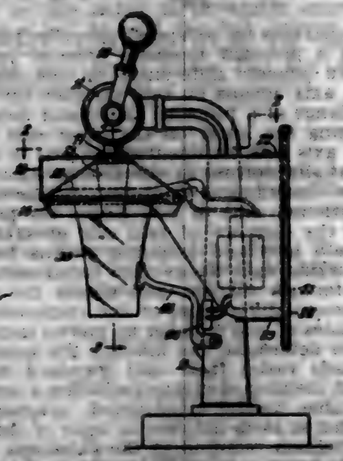
standard moment differential about its pivotal axis, means on that end of said block of lower moment for receiving arcuately spaced portions of a flange of the hub end of a propeller blade so as to detachably support the latter in perpendicular relationship to said pivotal axis and including reference surfaces engageable with arcuately spaced portions of a side of said flange for predetermining the location thereof with respect to said axis, and variable balancing mechanism on said block for determining the difference in the moment of said blade and said standard moment differential and including a scale calibrated to indicate the change in the thickness of said flange required to shift the center of mass of said blade sufficiently to equalize the moment of said blade with the moment differential of said block.

2,028,205
SELF-FERTILIZING FLOWERPOT
Harry Steinbach, Sunnyside, N. Y., assignor to Rex Beach, New York, N. Y.
Application August 22, 1934, Serial No. 741,075
2 Claims. (Cl. 47—34)



1. A flower pot having a fertilizer receiving recess near the upper edge of the pot, and a solid cake of soluble fertilizer in the recess adapted, when the pot is filled with soil, to be dissolved by moisture in the soil.

2,028,206
STERILIZING DEVICE
Daniel S. Stevens and Robert S. Wolf, Chicago, Ill.
Application July 12, 1934, Serial No. 734,769
23 Claims. (Cl. 225—23)

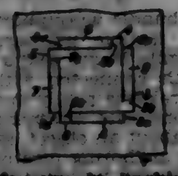


1. The combination of a dispensing device having a nozzle and a germ destroying sterilizing device operable to sterilize a glass or similar vessel adjacent the nozzle.

2,028,207
MINERAL OIL COMPOSITION
Bertrand W. Story, Pittsburgh, and Everett W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Corporation, New York, N. Y., a corporation of New York
No Drawing. Application September 7, 1933, Serial No. 688,836
1 Claim. (Cl. 87—9)

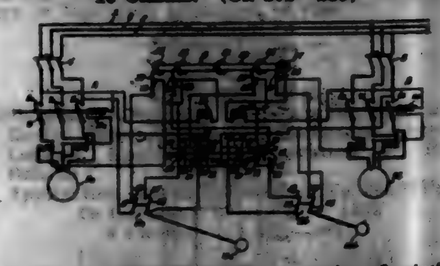
This combination, with a highly refined viscous mineral oil, of an addition of not over 0.1% thereof dimethide and of substantially .005 to 0.015% of a substance of the class consisting of monosulfide of m-cresol, monosulfide of thymol, 2,2' dihydroxy, 1,1' dinaphthyl sulfide and 4,4' dihydroxy diphenyl sulfide, said addition being effective to stabilize said oil in a substantial degree, against acid formation.

2,028,258
DEVICE FOR STORING EGGS OR THE LIKE
Johannes Rudolph Surmann, Berlin-Schlachtensee, Germany
Application July 26, 1934, Serial No. 737,811
In Germany August 2, 1933
12 Claims. (Cl. 217—37)



1. A device for use in packing eggs and in like comprising a rim element of pasteboard, a single unitary supporting element located substantially centrally of said rim, and a plurality of stays connecting said rim to said supporting element.

2,028,259
AUTOMATIC CONTROL SYSTEM FOR ELECTRIC MOTORS
Herman L. Van Valkenburg, Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich.
Application January 11, 1934, Serial No. 706,165
10 Claims. (Cl. 172—239)



1. In a control system, a pair of electric motors, a source of power for said motors, a pair of fluid condition responsive means respectively controlling said motors, an alternator switch for alternating the respective control of said motors with respect to said fluid condition responsive means, and a transfer switch for stopping the alternation of control, said transfer switch allowing the free mechanical operation of said alternator switch but preventing said alternator switch from altering the control for said motors, said transfer switch transferring the control of one motor or one of said fluid condition responsive means, and the control of the other of said motors to the other

of said fluid condition responsive means irrespective of the position of said alternator switch, whereby when the transfer switch stops the alternation of control, a given motor is always controlled by a given fluid condition responsive means.

2,028,260
CAR HEATER
Sergius Vernet, Brooklyn, N. Y., assignor to Foster-Vernay Corporation, Pittsburgh, Pa., a corporation of New York
Application August 8, 1933, Serial No. 684,542
Renewed September 20, 1935
2 Claims. (Cl. 237—12.3)

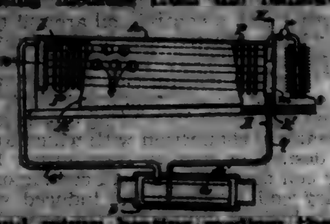


1. In combination, a radiator condenser, a vaporizer, conducting means uniting the vaporizer and the radiator condenser as a closed system for the flow of vaporized heating medium from the vaporizer to the radiator condenser and the return of condensate from the radiator condenser to the vaporizer, and control means automatically responsive to a plus or minus variation in a physical characteristic imparted by the vaporizer to the heating medium in the radiator condenser for trapping and withholding respectively more or less condensate from circulation before flowing back from the radiator condenser, said control means including a receptacle communicating with the radiator condenser for receiving heating medium therefrom and returning heating medium thereto in response to variations in said physical characteristics.

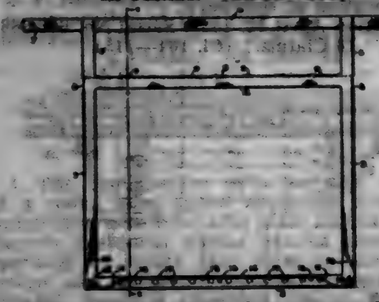
2. In combination, a radiator condenser, a vaporizer, conducting means uniting the vaporizer and the radiator condenser as a closed system for the flow of vaporized heating medium from the vaporizer to the radiator condenser, and means automatically responsive to increases and decreases in the pressure of the heating medium in the radiator condenser for trapping and withholding respectively more or less condensate from circulation before flowing back from the radiator condenser.

2,028,261
AUTOMATIC CONTROL FOR VAPOR HEATING SYSTEMS
Sergius Vernet, Brooklyn, N. Y., assignor to Foster-Vernay Corporation, Pittsburgh, Pa., a corporation of New York
Substitute of application Serial No. 415,712, December 21, 1929, and Serial No. 560,906, September 2, 1931. This application July 31, 1934, Serial No. 737,791
13 Claims. (Cl. 237—12.3)

11. In combination, a radiator condenser, a vaporizer, conducting means uniting the vaporizer and the radiator condenser as a closed system for the flow of vaporized heating medium from the vaporizer to the radiator condenser and the return of condensate from the radiator condenser to the vaporizer, and a control receptacle communicating with a portion of the radiator condenser remote from said conducting means so as to accumulate non-condensing gas contained in said system and to receive vaporized heating medium from the radiator condenser said return heating medium thereto as the pressure in said receptacle is less or greater than the pressure in the system.

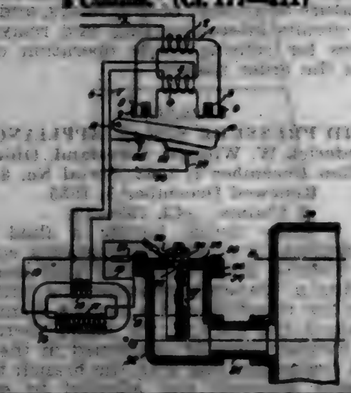


2,028,262
FILM HOLDER AND HANGER
Antonino J. Vicari, Manhasset, N. Y.
Application December 7, 1934, Serial No. 756,415
12 Claims. (Cl. 95—100)



1. In a film hanger a frame comprising four internally channeled members rigidly joined at their corners, the space between the bases of each pair of opposite channels being slightly greater than the film to be held therein, means for sliding a film thereinto at the bottom, and the outer edge of the lower channel member being slightly lower than the inner edge of the same, and means for suspending said frame.

2,028,263
ELECTRICAL INDICATING DEVICE
Charles F. Warrick, Detroit, Mich., assignor to Bendix Warrick Corporation, Detroit, Mich., a corporation of Michigan
Application February 9, 1934, Serial No. 710,414
5 Claims. (Cl. 177—311)



1. An electrical indicating device comprising in combination, an exciting coil to be perma-

nently connected to a source of alternating current, a core therefor, an armature, said core having a shunt for the magnetic flux set up by the exciting coil, a control coil around the shunt to control the effectiveness of the shunt and in turn control armature movements, conductors leading from the control coil, the voltage in the control coil and in said conductors being relatively low and said conductors being extended to a remote means in connection with which an indication is desired, a step-up transformer having a primary coil connected to said conductors, and a secondary coil in which the induced voltage is relatively high, a circuit for the secondary coil, and an electrode in said circuit to be positioned in a container of liquid to be engaged by high liquid level to close the circuit and to be disengaged at low liquid level to break the circuit.

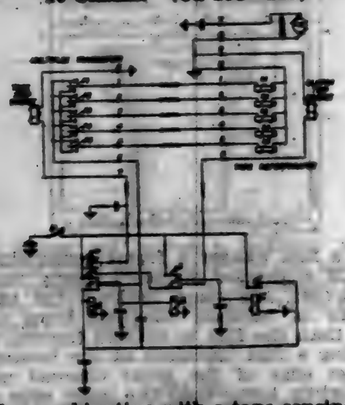
2,022,264

PERFORATOR

Charles S. Whitney, Brooklyn, N. Y., assignor to The Teleregister Corporation, New York, N. Y., a corporation of Delaware

Application April 22, 1932, Serial No. 606,963

10 Claims. (Cl. 164—115)



1. The combination with a tape sensing mechanism and a reperforator for duplicating perforated tapes, of a system of relays for controlling the coordinated operation of said sensing mechanism and reperforator during a continued series of operating cycles, said system of relays comprising a first relay, a second relay and a third relay, each of said relays having an armature for controlling the operation of another of said relays and each relay being controlled by the armature of another of said relays, and relay control circuits interconnecting said relays and armatures for causing cyclic operation of the relays in the order named.

2,022,265

FLUID PRESSURE SPRAY APPLIANCE

Frederick W. Winnen, Cleveland, Ohio

Application December 2, 1932, Serial No. 645,429

Renewed December 5, 1935

3 Claims. (Cl. 299—89)

2. In a spray device having a fluid tight liquid reservoir for forming the spray, a conduit running from a point outside of said reservoir and having a branch communicating with the liquid in the reservoir and a branch communicating above the level of the liquid therein, a tubular member slidably positioned in the conduit and communicating with the branch to the air in said reservoir and adapted to extend across and cut off the liquid-communicating branch of the conduit, resilient means for normally urging said member toward the outer end of said conduit and to the limit of opening of position, said tubular member being cushioned with a valve seat at its outer end, and a valve member loosely located in said conduit between, and adapted alternatively for cooperation with, said valve seat and the outer end of said conduit,



whereby upon the introduction of pressure fluid into said conduit said valve will act to close the outer end of said tubular member and the latter will be moved away from its liquid branch cutting off position against the action of said resilient means and the pressure fluid will pass into the liquid communicating portion of said conduit.

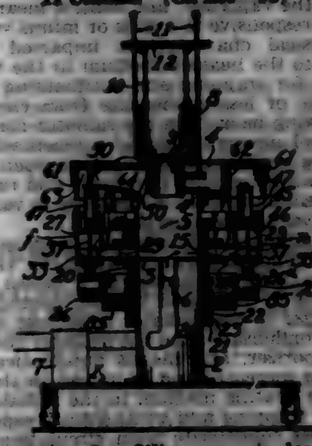
2,022,266

APPARATUS FOR FILLING RECEPTACLES

Richard D. Anderson, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application January 28, 1931, Serial No. 511,978

11 Claims. (Cl. 226—26)



1. Apparatus for filling receptacles, comprising a tubular bracket mounted for rotation, a table for spaced receptacles extending around and carried by the bracket, a plurality of measuring cylinders extending around and carried by the bracket over and opening toward the receptacles, means for rotating the bracket, means including a pump and piston for successively injecting fluid into each cylinder, and means for successively ejecting the fluid from the cylinders into the receptacles.

2,022,267

MANUFACTURING KETONES

Francis M. Archibald and Clinton M. Reamer, Elizabeth, N. J., assignors to Standard Alcohol Company, a corporation of Delaware

No Drawing. Application April 5, 1933, Serial No. 664,556

3 Claims. (Cl. 260—134)

1. The improved process for the manufacture of ketones, which comprises subjecting the vapors of aliphatic secondary alcohols to a catalyst consisting essentially of copper, zinc, and tin.

2,022,268

ELECTRICAL CONTACT RECEPTACLE

Alan L. Probst, East Orange, N. J.

Application July 6, 1929, Serial No. 377,030

12 Claims. (Cl. 173—343)



7. A slotted contact receptacle, contacts in said receptacle cooperating with flat prong contacts, ribs on the outside of said first contacts bounding a circle whose plane is at substantially right angles to said flat prong contacts, and holes in said flat contacts cooperating with said ribs.

2,022,269

ATTACHMENT FOR CLOSING DEVICES

Harry M. Bishop, Schenectady, N. Y.

Application November 27, 1934, Serial No. 754,963

2 Claims. (Cl. 20—67)



1. An attachment to a member for closing an opening having a stop, comprising a sealing member, means for attaching said sealing member to said closing member comprising a hook member secured to said closing member and an eye member secured to said sealing member and cooperating with said hook member to provide movement of said sealing member with respect to said closing member, a spring member for moving said sealing member along the shank of said hook member and biasing said sealing member out of engagement with said closing member and with a part forming said opening and a member secured to said sealing member at one extremity thereof and arranged to engage said stop in response to the closing movement of said closing member for effecting rotary movement of said sealing member into engagement with said closing member and said part.

2,022,270

HAT BLOCKING AND STOKING DEVICE

Thomas A. Brennan, Washington, D. C.

Application August 5, 1932, Serial No. 627,884

5 Claims. (Cl. 223—24)



1. A hat cleaning and pressing device comprising a ring member of sheet metal, having the general contour of a rim of a hat, said member being adapted to support the rim of a hat in inverted position, the outer periphery of said member terminating in a substantially vertical flange, said member having an upper substantially horizontal surface with a curved surface connecting said horizontal surface and said vertical flange.

2,022,271

MANUFACTURE OF PARA-CYCLOHEXYLPHENOLS

Karl Brodersen and Hermann Behncke, Dessau in Anhalt, and Ernst Kerten, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 15, 1933, Serial No. 702,845. In Germany December 20, 1932

2 Claims. (Cl. 260—154)

1. The process for manufacturing para-cyclohexylphenols which comprises heating to a temperature of about 280 to about 300° C. a pasty, homogeneous mass consisting of a sodium hydroxide solution of 50 per cent. strength and sodium para-cyclohexylbenzene sulfonate.

2,022,272

SOUND ABSORBING CONSTRUCTION

Charles F. Burgess, Belleville, Fla., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis., a corporation of Delaware

Application December 19, 1930, Serial No. 503,542

5 Claims. (Cl. 189—33)



1. The combination with the wall or ceiling of a room, of a sound absorbing construction comprising a stiff metallic plate having openings therein, fastening means passing through said openings to secure said plate to said wall or ceiling and to permit removal thereof, spaced, parallel, laterally extended ribs on said plate, projecting into the room bounded by said construction, and slabs of preformed sound absorbing units mounted between said ribs with a clearance between said slabs and said plate, and held against outward movement by the extended portions of said ribs, but not confined against inward movement thereby.

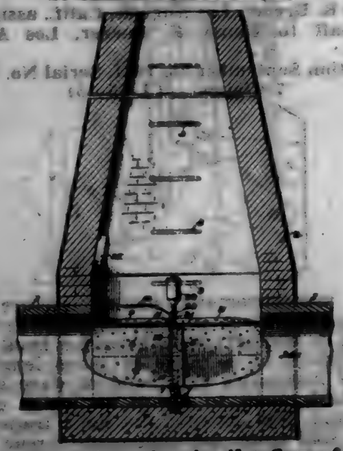
2,022,273

FLOW MEASURING DEVICE

Ingard M. Clausen, Phoenix, Ariz.

Application October 2, 1931, Serial No. 567,021

20 Claims. (Cl. 73—167)



1. An apparatus whereby the flow of a liquid flowing freely by gravity in a pipe normally run-

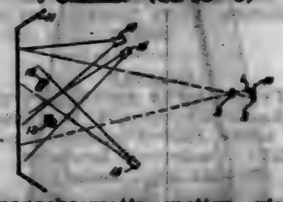
ning less than full and not under pressure may be measured comprising, in combination with said pipe, means therein forming a weir of the submerged type and including a weir member positioned in the bottom of the pipe and shaped to provide a weir crest conforming to the shape of the adjacent bottom surface of the pipe, and vertical walls at the ends of said weir member, said member being of such limited extent in a direction normal to said surface as substantially to prevent the deposition of solid matter in said pipe.

2,028,276
COAL STOKER
Walter M. Cress, Jr., Charles G. Ruder, and Victor C. Norquist, Kansas City, Mo., assignors, by direct and mesne assignments, of one-half to Mid-Continent Investment Company, Kansas City, Mo., a corporation of Missouri, and one-half to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application June 9, 1933, Serial No. 675,255
3 Claims. (Cl. 110—101)



1. A coal stoker including in combination a coal hopper, a coal duct communicating therewith, means for conveying coal therealong, an air duct adapted to supply air for coal being burned, a fan for blowing air through said air duct, an ejector device having a suction leg, means for supplying air from said air duct to said ejector device as the ejecting medium, and means for placing the suction leg in communication with said coal duct, the construction being such that smoke and gas in said coal duct will be entrained in the ejecting medium, and prevented from escaping from said hopper.

2,028,275
MOTION PICTURE FILM AND METHOD OF PHOTOGRAPHY
Charles R. Dreyer, Los Angeles, Calif., assignor of one-half to Henry F. Reeger, Los Angeles, Calif.
Application September 25, 1934, Serial No. 745,442
7 Claims. (Cl. 95—5)



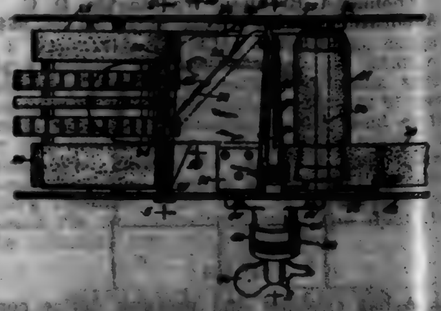
1. In monochromatic motion picture photography, the steps of passing light from an object to be photographed through a front emulsion sensitive to a range of wave lengths of light but insensitive to a band of wave lengths within said range, to record an image of said object, and then passing the light transmitted through said front emulsion upon a rear emulsion preferentially sensitive to wave lengths of light including said band to which the front emulsion is not sensitive and illuminating those portions of the object being photographed which it is desired to correlate with light-containing wave lengths to which both emulsions are sensitive while eliminating the remainder of the scene with light composed essentially of wave lengths to which only one of the emulsions is preferentially sensitive.

2,028,516
BOX
Edward R. Evans, Los Angeles, Calif., assignor to Angeles Paper Box Co., Los Angeles, Calif., a corporation of California
Application August 30, 1934, Serial No. 740,883
5 Claims. (Cl. 229—34)



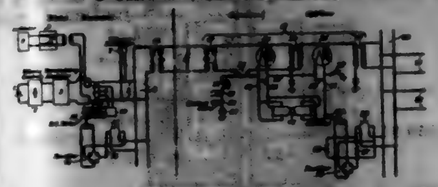
1. In a polygonal paper box, the combination of an outer bottom of relatively thin cardboard of polygonal form, an inner bottom of relatively thick stiff material also of polygonal form lying on the outer bottom and conforming thereto, a forming ring consisting of a flat board with its flat faces lying in a horizontal plane, and of relatively stiff material, also of polygonal form and with a polygonal opening therethrough, said forming ring lying on the inner bottom and conforming thereto, said outer bottom having a plurality of integral extensions extending upwardly above the forming ring and constituting the outer side walls of the box, said outer walls with extensions extending downwardly and engaging the inner edge of the forming ring, and a holding member of polygonal form fitting into the opening in said forming ring and securing the vertical extensions in position.

2,028,577
ENVELOPE FLAP OPENING AND MOISTENING DEVICE
John Quincy Pimbrook, Los Angeles, Calif., assignor to National Postal Meter Company, Los Angeles, Calif., a corporation of California
Application July 17, 1934, Serial No. 735,573
3 Claims. (Cl. 91—43)



1. In a moistening device for an envelope sealing machine, a flap opening blade operatively mounted for movement to or from its active position, a moistening tube mounted independently of said blade and also operable to or from its operative position, a source of fluid supply for the tube, unitary means operable for simultaneously placing said blade, tube and fluid supply into or out of service.

2,028,575
VACUUM TUBE TESTING SYSTEMS
Danforth King Gannett, Jackson Heights, and Benjamin E. Lewis, Flushing, N. Y., assignors to American Telephone and Telegraph Company, a corporation of New York
Application August 10, 1934, Serial No. 740,418
5 Claims. (Cl. 179—175)



1. In a time announcement system in which a signal impulse of given voltage and duration is transmitted to subscribers over lines containing amplifiers to indicate a given instant of time, the method of determining the electrical condition of each of two vacuum tubes of an amplifier which consists in activating the filaments of both tubes by causing the normal currents to flow therethrough and measuring the transmission level at the output of said amplifier upon the transmission of one of said signal impulses, then changing by a known percentage the filament activating current of the first of said tubes and again measuring the transmission level at the amplifier output upon the transmission of another of said signal impulses.

2,028,579
PHOTOGRAPHIC MATERIAL
Béla Gaspar, Berlin, Germany
Application December 1, 1932, Serial No. 645,312
In Germany December 2, 1931
7 Claims. (Cl. 95—8)



1. A color-photographic material, comprising a silver halide emulsion having incorporated therein differently colored dyestuffs having varying powers of resistance to the effect of the agent serving locally to discharge the said dyestuffs for production of the color image.

2,028,230
TYPEWRITING MACHINE
George F. Handley, Glendale, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application December 29, 1934, Serial No. 759,778
6 Claims. (Cl. 197—145)



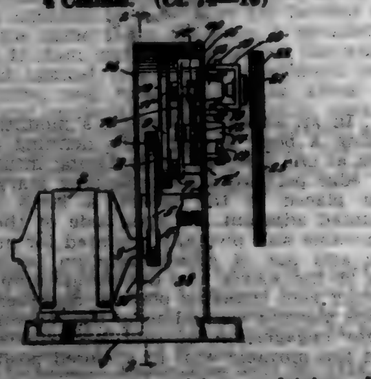
1. In a typewriting or like machine, the combination with a typewriter carriage having end plates, one of said plates having a bearing opening therein, a pinion having one end removably supported by the other side plate, a retractible bearing shaft for the opposite end of the pinion mounted in said side plate opening, and a releasable latch mounted on the bearing shaft for normally coupling the shaft and pinion.

2,028,251
BURNER
Lillard B. Hancock, Humble, Tex.
Application February 20, 1933, Serial No. 657,434
2 Claims. (Cl. 158—56)



1. A burner comprising an outer shell, concentric outer and inner jackets spaced apart to form a steam chamber between them and being arranged within the outer shell, the outer jacket being spaced from the shell to form a fuel chamber between said shell and outer jacket, a steam nozzle pipe within and spaced from the inner jacket and forming an air chamber between them said fuel and steam chambers being closed at both ends and said air chamber being closed at its outer end and open at its inner, or nozzle, end, a fuel nozzle pipe arranged within and spaced from said steam nozzle pipe, a fuel line entering the outer end of the fuel chamber and a fuel pipe leading from the outer end of said last mentioned chamber and entering the outer end of the fuel nozzle pipe, a steam line entering the outer end of the steam chamber and a steam pipe leading from said last mentioned end of the steam chamber and entering the outer end of the steam nozzle pipe.

2,028,252
POWER UNIT
Robert Hoe, Hyde Park, N. Y.
Application January 4, 1934, Serial No. 705,230
4 Claims. (Cl. 74—16)



1. A power unit comprising a driving shaft having a clutch element on the end thereof, a second driving shaft parallel to the first shaft and likewise having a clutch element on the end thereof, a pinion on the first shaft meshing with a gear on the second shaft whereby said shafts rotate in opposite directions at different speeds, a large-diameter pulley secured to said first shaft, a motor having a shaft parallel to

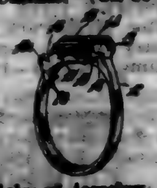
both of said first and second shafts, a shaft intermediate said motor shaft and said first shaft and having a small-diameter pulley in line with the pulley on said first shaft, a belt connecting said pulleys, a small-diameter pulley on said motor shaft, a large-diameter pulley on said intermediate shaft, and a belt connecting said two last-named pulleys.

2,028,282
FOAM CONTROLLING BEER FAUCET
Jules Heward, New Rochelle, N. Y., and Sanford E. Richmond, Jersey City, N. J.
Application December 14, 1934, Serial No. 757,568
9 Claims. (Cl. 226—9)



1. In a foam controlling beer faucet, a faucet body adapted to receive a receptacle in sealed relation thereagainst and having a beer supply passage, a vent passage and a third passage, a foam recapture tank connected to said third passage, and valve means for controlling the beer supply passage and the third passage for venting the glass upon return of beer from the tank and for controlling admission of the beer from the supply passage.

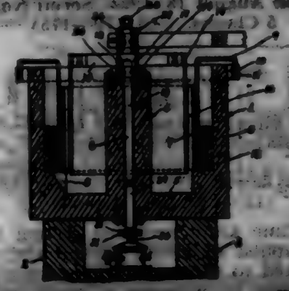
2,028,284
GEM OR LIKE SETTINGS IN JEWELRY
Sarah Jackson, London, England
Application September 28, 1934, Serial No. 745,997
In Great Britain September 28, 1933
3 Claims. (Cl. 63—26)



1. In an article of jewelry, a mounting comprising a body having walls defining a socket open at one side, the walls having inturned upper edge portions for overlapping margins of a gem placed in the socket, a latch pivotally mounted adjacent the open side of the socket, a movable wall pivotally mounted for movement into and out of closing relation to the open side of the socket and having an inwardly extending gem engaging portion, and lugs carried by the movable wall adjacent the free end thereof for engagement by said latch to releasably hold the movable wall in a closed position.

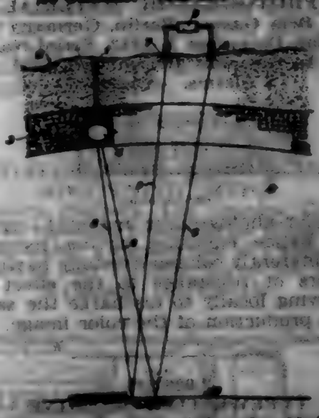
2,028,285
CATHODE FOR ELECTROLYTIC CELLS
Allen C. Jephson and Ernest B. Custer, Johnstown, Pa., assignors to National Radiator Corporation, a corporation of Maryland
Application July 25, 1934, Serial No. 736,897
1 Claim. (Cl. 204—6)

A rotatable cathode for an electrolytic cell including a hub of electrically conducting material provided with a cylindrical surface adapted to be engaged by contact blocks in an engagement permissive of rotation, conducting arms electrically united with and extending from said hub, an expansible and contractible cylindrical shell of conducting material electrically united



with and borne by said arms, an endless band of conducting material adapted to be secured in electrical union upon said shell by the expansion thereof, and a shaft integral with said hub and extending concentrically within said shell and shaped at its free end to the form of one element of a rotation-imparting shaft-coupling.

2,028,286
SEISMIC SURVEYING
Earle W. Johnson, Dallas, Tex., assignor to Western Geophysical Company, Tulsa, Okla., a corporation of Delaware
Application July 26, 1935, Serial No. 33,307
20 Claims. (Cl. 181)—0.5)

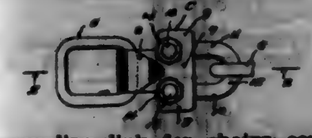


1. A method of determining an underground geological structure comprising drilling a small hole from the surface of the ground into a formation, forming an enlarged cavity in said formation at the base of said hole, thereafter detonating an explosive charge within said cavity and receiving and recording the resulting seismic waves after said waves have penetrated to said structure.

2,028,287
PROCESS OF MAKING GLUED UP PLYWOOD
William F. Leicester, Hackensack, N. J.
No Drawing. Application January 2, 1931, Serial No. 506,221
1 Claim. (Cl. 154—139)

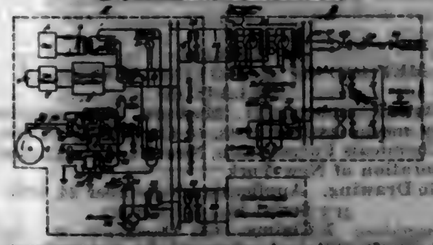
A process of gluing together pieces of wood, more particularly for the manufacture of plywood and for veneering, comprising the use of a glue which when dry is liquefiable by heating to a low temperature, applying said glue when in liquid form to a piece of wood, immediately subjecting the piece of wood to artificial and rapid drying to prevent the liquid of the glue from soaking into the wood and to obtain a practically liquid-free glue film on the piece of wood, and then hot pressing the piece of wood to the piece of wood to which it is to be joined to unite the pieces together.

2,028,288
CROSS-CHAIN COUPLING
Edward H. Lenz, Yeddera, Wis.
Application April 4, 1935, Serial No. 14,650
2 Claims. (Cl. 24—231)



1. A coupling link for chains comprising a plate having a malleable hook-shaped tongue for receiving one link of a chain and laterally extending apertured ears, an open U-shaped link for receiving another link of the chain, angularly extending threaded legs formed on the ends of the U-shaped link detachably received in the apertures of the ears, and means detachably connecting the legs with said ears.

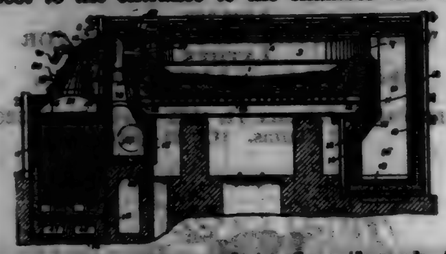
2,028,289
TIME ANNOUNCEMENT SYSTEM
Benjamin F. Lewis, Flushing, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 15, 1934, Serial No. 740,497
5 Claims. (Cl. 179—1.75)



1. In a time announcement system characterized by an oral announcement of the time, followed by the transmission of a tone indicating the exact second, the method which consists in listening in upon the system at various points thereof during the making of the oral announcements, and, at the termination thereof, connecting transmission level measuring apparatus to the system at the said points and noting the level at the said points resulting from the transmission of the signal tone over said system.

2,028,290
NONREVERSING OPEN-HEARTH FURNACE
Fred H. Lofton, Mount Lebanon, Pa.
Application January 30, 1932, Serial No. 589,935
11 Claims. (Cl. 263—15)

1. In a uni-directional open-hearth furnace, the combination of a port at one end of the furnace designed solely for the introduction of combustion-sustaining fluid, and a port at the opposite end of the furnace designed solely for the escape of waste gases, a waste gas system associated with said furnace, which system includes a primary waste gas cleansing chamber, a downtake connecting the outlet port of the furnace with said primary chamber, said primary chamber being of large effective area as compared with said downtake, whereby gases enter said primary chamber from said downtake at greatly reduced velocity, an outlet from said chamber, which outlet is so disposed with respect to the entrance to the chamber that the



waste gases are caused to flow through the chamber and to flow angularly therefrom, a secondary cleansing chamber, an upwardly-extending passage connecting the primary and secondary cleansing chambers, said secondary chamber being of relatively large effective area with respect to said passage, a uni-directional hollow tile heat exchanger, and a passage for the waste gases from said secondary chamber to said heat exchanger.

2,028,291
IMPLEMENT HANDLE
Albert Alfred MacPherson, Five Dock, near Sydney, New South Wales, Australia
Application September 12, 1935, Serial No. 40,240
In Australia June 6, 1934
5 Claims. (Cl. 273—75)



1. An implement having a handle provided with a bore extending longitudinally thereof, a weight within said bore having means to be detachably engaged by a member for forcibly adjusting the same along the bore, a member of resilient friction material carried by the weight and held against longitudinal movement relative thereto, and means extending along the handle and resiliently and frictionally engaged by said member to hold the weight against accidental longitudinal movement along the bore from any position to which it may be forcibly adjusted by said adjusting member.

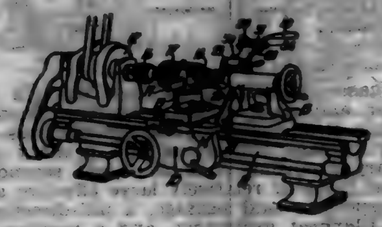
2,028,292
METHOD OF MAKING TITANIUM DIOXIDE
Reginald Hill Menk and Archibald Stewart Ross, Montreal, Quebec, Canada, assignors to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine
No Drawing. Application July 12, 1934, Serial No. 734,879
23 Claims. (Cl. 23—202)

1. The method of providing titanium dioxide which consists in diluting with water a solution of a hydrolyzable salt of titanium in the presence of a protective colloid.

23. In a method of producing titanium dioxide the step which comprises adding two volumes of titanium sulphate solution containing 100 to 200

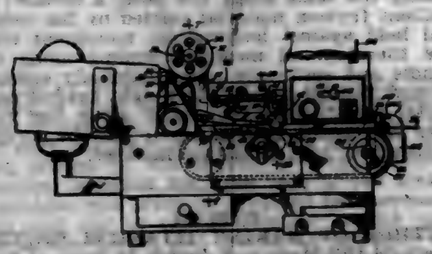
grams of titanium dioxide per liter and two volumes of a solution containing approximately 0.15% of a complex polysaccharide in one volume of water under agitation, the two solutions being added at a rate to constantly maintain an excess of the polysaccharide, and then converting the polysaccharide into sugar by boiling.

2,028,282
UNDERCUTTING ATTACHMENT FOR LATHES
John J. O'Brien and Miles W. O'Brien, South Bend, Ind.
Application January 11, 1935, Serial No. 1,325
11 Claims. (Cl. 82—34)



1. A device for undercutting work mounted on a lathe, comprising a support secured to the lathe beneath the work and extending upwardly to a position spaced rearwardly of the work, an arm pivoted to said support about an axis parallel to the work and normally extending forwardly therefrom to a position above the work, a reciprocable member guided by said arm, a cutter carried by said member and engaging the work, and manually operated means for simultaneously reciprocating said member relative to said arm and downwardly pivoting said arm.

2,028,284
PRINTING MACHINE
Commodore D. Ryan, Los Angeles, Calif., assignor to National Postal Meter Company, Los Angeles, Calif., a corporation of California
Application April 13, 1935, Serial No. 16,214
9 Claims. (Cl. 271—3.4)



1. In a tape handling device, a supporting frame, a tape guideway having tape treating and severing portions, a tape feeding roller operatively carried by the frame in tape engaging relation with said guideway, means for turning the roller for advancing or retracting the tape along said guideway, and means associated with the turning means operative only during the action of said turning means to retract the tape for predetermining the withdrawal of the tape end from its severing to its treating position in the guideway.

2,028,285
FOAM RETARDING TUBE
Lee W. Schrader, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 6, 1933, Serial No. 659,613
5 Claims. (Cl. 169—4)



4. In an apparatus for delivering fire foam, a conduit comprising a series of flexible slotted passageways for the foam having a common longitudinal axis and a series of hollow inverted frusto conical foam retarding members of a depth substantially less than the length of the passageways and of which members the lower ends are of substantially smaller diameter and the upper ends of substantially greater diameter than the diameter of the passageways, secured between said passageways and separating one passageway from the other.

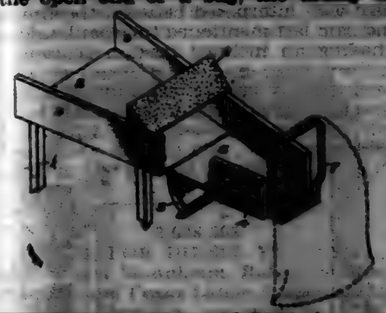
2,028,286
METHOD OF REMOVING WATER OF GELATION
Milton J. Shoemaker, Madison, Wis., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 24, 1931, Serial No. 577,158
7 Claims. (Cl. 18—57)

1. The method of substantially decreasing the water content of a cellulosic film which has been coagulated from aqueous solution and which contains non-constraint water of gelation, which comprises immersing said film in an aqueous refrigerating solution of a salt which is at a temperature below the freezing point of water, keeping said film in said liquid until said non-constraint water of gelation freezes and diffuses into said refrigerating solution.

2,028,287
APPARATUS FOR BAGGING ROLLABLE ARTICLES
Harry C. Stockdale, Ravenna, Ohio, assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application March 19, 1932, Serial No. 599,291
8 Claims. (Cl. 226—47)

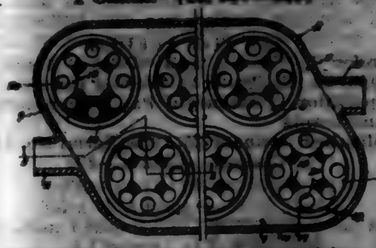
1. An apparatus for bagging potatoes or any rollable articles comprising an inclined chute to receive a stream of potatoes, a tiltable member at the discharge end of said chute having a depending flange to stop the stream of potatoes

and means on said tiltable member for positioning the open end of a bag, the tilting of said



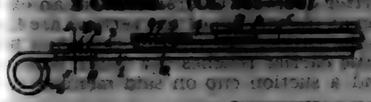
tiltable member moving said flange to permit potatoes to flow into said positioned bag.

2,028,288
RADIATOR
Chester J. Pasciutti, South Milwaukee, and Arthur W. Lenz, Racine, Wis.
Application November 16, 1934, Serial No. 753,234
1 Claim. (Cl. 257—136)



A core unit for radiators comprising a plurality of interfitting rings, each ring including a body having an annular, outstanding flange formed at one end and an inwardly directed flange formed at the opposite end, means carried by said body forming a stop for the adjacent ring to equidistantly space said flanges, the inner flanges of the rings being staggeredly related to one another and provided with aligned openings.

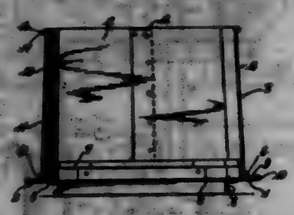
2,028,289
SPRING LEAF SPACER
David R. Swinfen, Detroit, Mich., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a corporation of Ohio
Application June 30, 1933, Serial No. 678,494
2 Claims. (Cl. 267—50)



1. In a spacer for spring leaves, the combination of a self-lubricating bearing plate adapted to be inserted between adjacent spring leaf surfaces, said plate having a plurality of recesses in its surface, graphitic material filling said recesses, and laterally-extending flanges on said plate projecting above and below said plate and adapted to engage with the sides of the adjacent spring leaves.

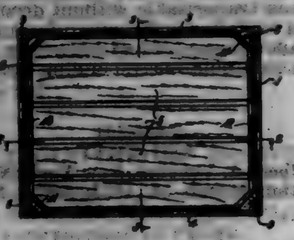
2,028,290
APPLE PACKING DEVICE
Charles L. Taylor, Bigbyville, Pa.
Application May 14, 1935, Serial No. 21,456
1 Claim. (Cl. 226—37)

In an apparatus for packing fruit, a footing plate comprising a flat sheet metal member, an upstanding octagonal member carried by said flat sheet metal member, said upstanding member having a lower marginal flange projecting therefrom and secured to said flat sheet metal member, the marginal edges of said flat sheet metal member being rolled around the marginal edge of said flange to form a smooth gripping finished bead extending substantially entirely



around the marginal edge of said facing plate, a rectangular supporting wall secured to the lower side of said flat sheet metal member through the medium of a second horizontally extending flange, said last-mentioned flange terminating in substantial alinement with the inner surface of said upstanding member whereby the base of said upstanding member is rigidly supported on said flat sheet metal member.

2,028,291
SHIPPING CRATE
Charles L. Taylor, Bigbyville, Pa.
Application May 14, 1935, Serial No. 21,457
3 Claims. (Cl. 217—56)

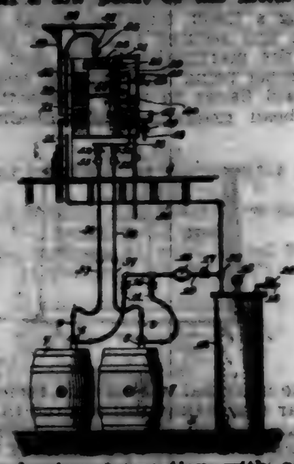


1. A shipping crate for apples and the like comprising a rectangular bottom, quadrangular complementary side walls, and quadrangular complementary end walls, with the base of each of said walls being of less linear extent than the top thereof, and reinforcing corner posts disposed in the four corners of the crate, said posts being triangular in cross-section and of less cross-sectional area at the base than at the top.

2,028,292
LIQUID DISPENSING APPARATUS
John Thomsen, Buffalo, N. Y.
Application September 27, 1933, Serial No. 691,167
11 Claims. (Cl. 226—1)

1. The combination with a barrel containing a liquid and a compressed-air tank connected to said barrel under reduced pressure, of a liquid container having manually-controllable connection with said compressed-air tank under the normal pressure within the latter, a liquid-supply pipe connecting said barrel with said liquid container at a high point, means to control the supply of liquid from said liquid-supply pipe into said liquid container according to the level of the liquid therein, and a return pipe con-

necting said liquid supply pipe with said container with a low point of the latter, said re-



turn pipe having connection with said barrel through said liquid-supply pipe.

2,028,303

PRODUCTION OF ORGANIC DISULPHIDES

Luther B. Turner, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 29, 1932, Serial No. 640,342

13 Claims. (Cl. 260—16)

1. The process which comprises subjecting mercaptans (vaporizable without decomposition) to limited oxidation sufficient to form disulphides in the vapor phase and withdrawing a reaction product containing corresponding disulphides.

2,028,304

ASH TRAY

Albert A. Vaccino, New York, N. Y.

Application March 18, 1935, Serial No. 11,700

9 Claims. (Cl. 131—61)



1. In a device of the class described, a body member, a reservoir for holding a supply of water, and an oscillating trough associated with said body member, one end of said trough normally submerged in said reservoir, the other end raised above the water line, whereby when said second mentioned end is depressed water is caused to flow to said second mentioned end.

2,028,305

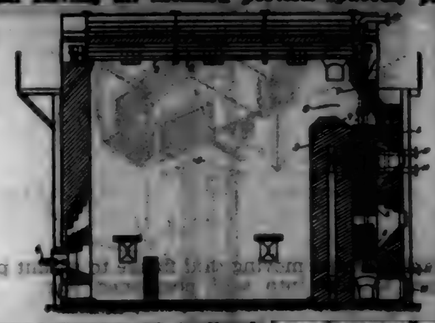
TUBE STILL AND FURNACE CONSTRUCTION

John S. Wallis and Stephen B. de Bence, New York, N. Y., assignors to Alco Products, Incorporated, New York, N. Y., a corporation of Delaware

Application August 31, 1931, Serial No. 560,438

2 Claims. (Cl. 196—116)

1. In a tube still of the character described having a boundary wall having a bare interior surface downwardly inclined to the horizontal, a fire chamber, a roof tube bank adapted to be heated mainly by radiant heat, a tube bank adapted to be heated mainly by convection heat, a bridge wall interposed between the fire chamber and said last mentioned tube bank said bridge wall having an inclined portion spacedly positioned from said inclined boundary wall and adapted to form a downwardly converging passageway therewith leading from said fire chamber to said tube bank adapted to absorb convection heat



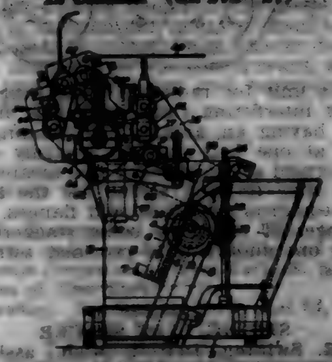
2,028,306

TIN POT FEEDER

Alexander E. Weibel and William Jones, Aliquippa, Pa., assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application January 25, 1926, Serial No. 3,461

12 Claims. (Cl. 271—27)



1. In a tin pot feeder a suction cup mechanism comprising a carrier arranged to oscillate in a vertical arc, a radially movable member on the carrier operable by gravity from an extended position at the bottom of the vertical arc through which the carrier moves to a retracted position when the carrier reaches the upper limit of said arc, and a suction cup on said member.

2,028,307

PROCESS FOR TESTARING CERESIN

Peter J. Wiezevich, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application June 13, 1932, Serial No. 617,665

2 Claims. (Cl. 196—13)

1. Process for obtaining ceresin from ceresin which comprises treating the ceresin at a temperature above its melting point with a light hydrocarbon solvent consisting essentially of a mixture of hydrocarbons having between 3 and 5 carbon atoms, and under a pressure sufficient to retain the light hydrocarbons in liquid phase at the temperature of working, removing any material remaining undissolved at this temperature, heating the solution without substantial intermediate cooling to a temperature close to the critical temperature of the solvent whereby a portion of the ceresin is precipitated and carries with it a substantial proportion of the colored material contained therein, removing this precipitated material, filtering the remaining solution through a bed of finely divided clay, and recovering the ceresin from the filtered solution.

2,028,308

FUEL FOR DIESEL ENGINES

Wilhelm Wilke, Mannheim, Robert Stadler, Hegelhausen, and Franz Leppla, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application November 28, 1932, Serial No. 644,238. In Germany December 5, 1931

4 Claims. (Cl. 44—8)

1. A fuel suitable for use in Diesel motors comprising a hydrocarbon oil heavier than naphtha containing an addition of a sufficient amount, not exceeding 20%, of a solid aliphatic hydrocarbon, containing more than 7 carbon atoms and having more than one multiple carbon bond, to reduce the pressure at which spontaneous combustion of the hydrocarbon oil would normally occur.

2,028,309

SPRING CLOSING DEVICE

John H. Adams, Seattle, Wash.

Application February 17, 1932, Serial No. 593,643

5 Claims. (Cl. 150—18)



1. The combination with a flexible container, of a closure therefor comprising a pair of bowed springs secured around the mouth of the container, each said spring having a beaked end overlapping a plane end of the other spring, and complementary filling pieces attached to adjoining faces of said springs.

2,028,310

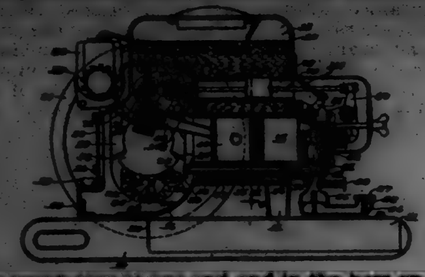
ENGINE

William Otto Beckman, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application November 10, 1934, Serial No. 752,419

9 Claims. (Cl. 123—188)

1. In an internal combustion engine and in combination, a unitary casting embodying a cylinder, a cooling jacket and a crank case, one side of said crank case being open and formed around the opening with an attaching flange, a side plate fitted over the opening and secured rigidly in position against the attaching flange, inwardly projecting aligned bosses on the side plate and on the closed side of the crank case, and a crank shaft, said shaft being journaled in the boss on



the crank case at one end and in the boss on the side plate at the other end.

2,028,311

FISHING REEL

Joseph Calvin Berry, Seattle, Wash., assignor to Utility Electric and Machine Works, Inc., Wheeler, Oreg.

Application June 12, 1933, Serial No. 675,421

4 Claims. (Cl. 43—20)



1. The combination with a fishing rod and reel, a tubular slotted shaft for the reel, a release rod and a rigid cross pin reciprocable in said shaft, and means for operating the shaft, of a clutch-head forming part of the reel, a clutch plate rigid with said pin, a spring device for holding said plate in engagement with the clutch-head, a pivoted lever mounted in the fishing rod, and a pivotal connection between said lever and the release rod.

2,028,312

ELECTROPLATING OF ALUMINIUM

Oscar Bernhauser, Strasbourg, France, assignor to Société d'Electrochimie, d'Electrometallurgie et des Aciéries Electriques d'Ugine, Paris, France, a corporation of France

No Drawing. Application July 28, 1933, Serial No. 682,704. In France July 29, 1932

1 Claim. (Cl. 204—3)

In the electro-plating of articles of aluminium and its alloys the preliminary treatment which comprises heating the article to a temperature above 100° C., plunging it into a concentrated bath of basic aluminium chloride brought to the same temperature and then withdrawing from the bath when a violent reaction with attack of the metal is produced.

2,028,313

MANUFACTURE OF CEMENT

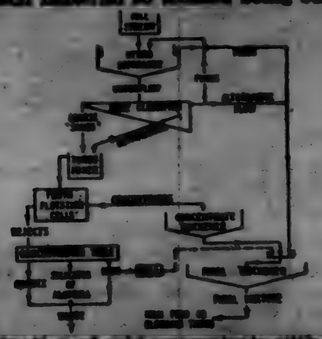
Charles H. Steerwood, Narberth, Pa., assignor to Valley Forge Cement Company, a corporation of Pennsylvania

Application July 24, 1934, Serial No. 735,664

11 Claims. (Cl. 106—85)

1. The method of treating lime-bearing cement raw materials containing an undesirable quantity of at least one constituent and in which the calcium carbonate value varies from time to time as received for treatment, which comprises separating from each material the sands from the fine particles, separating an additional quantity of the coarser particles from the fines and combining them with the sands, subjecting the combined

coarse particles to froth flotation, conducting the flotation operation so that the concentrate is maintained substantially at a desired calcium carbonate value and the rejects include the undesirable quantity of said constituent, combining the concentrate from the flotation operation with the untreated fines, the relative quantity of the part of each material so treated being such that



the combination of said concentrate with the untreated fines will provide a mixture of the desired calcium carbonate value and maintaining this value substantially constant continuously by varying the quantity of the coarser particles separated from the fines and added to the mixture, whereby the combined quantity is varied inversely as the calcium carbonate value of the materials varies in the materials received.

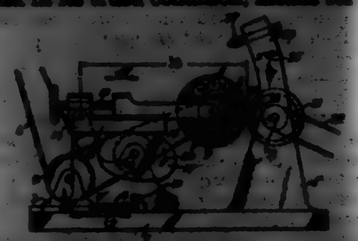
2,028,314
SWITCH-TYPE PLUG ATTACHMENT DEVICE
Joseph D. Brown, New York, N. Y., assignor to Raylite Trading Company, Inc., a corporation of New York
Application March 6, 1934, Serial No. 714,548
8 Claims. (Cl. 200—51)



1. In a switch-type plug attachment, an insulating case having a circular groove and a recess concentric with said groove, an element having a curved edge wall fitted to rotate in said groove and an opening concentric with said wall, a circuit closer having trunnion portions journalled in said opening and recess, and a spring mounted between an end of said closer and a part of said element at a spaced distance from the opening thereof.

2,028,315
GRINDING MACHINE
Paul Brühl and Franz Neugart, Berlin, Germany
Application April 14, 1933, Serial No. 666,186
In Germany April 20, 1932
5 Claims. (Cl. 51—105)

1. In a grinding machine, an arm adapted to swing between two given positions, a grinding disk mounted at the end of the said arm, a diamond and a work-holder disposed substantially in a plane with the said disk on either side thereof and so positioned that the extreme points of the said diamond and the piece of work on the said holder situated towards the axis of oscillation of the said arm are located exactly in the arc described by the extreme outer point of the said disk in the trued condition, means for swing-



ing the said disk to and fro for operative engagement with the piece of work and the said diamond, and means for advancing the said disk in a direction away from the said axis during the movement of the said disk from the piece of work to the said diamond by an amount which is at least greater than the depth of wear of the said disk incurred during the preceding grinding operation.

2,028,316
HOSE FITTING
Albert Brunner, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application October 16, 1931, Serial No. 569,711
2 Claims. (Cl. 285—84)

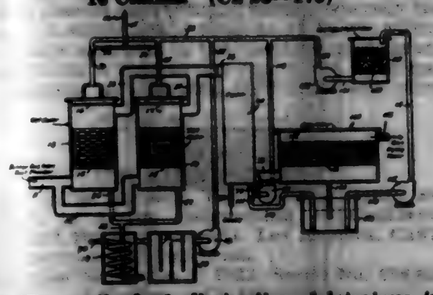


1. In combination, a coupling member adapted to be attached to the end of a hose, comprising a body portion and a tubular extension to receive the hose end, the bore of said extension being of substantially the same diameter as the external diameter of the hose, a nipple extending into the hose and having a flanged end interposed between the body portion and the hose end and said tubular extension being adapted, when it is deformed by being radially contracted from adjacent its open end to a point adjacent the flange of the nipple, to form an integral shoulder engaging the rear of the flange of the nipple and holding the flange in pressure engagement with the body portion of the coupling member.

2,028,317
WELDING ROD ALLOY
Homer W. Rattenbaugh, Kenosha, Wis., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Application March 5, 1935, Serial No. 9,321
2 Claims. (Cl. 219—8)

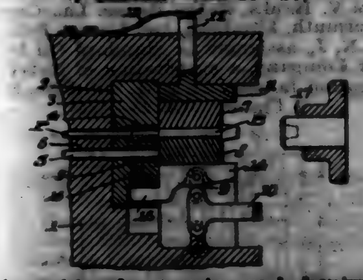
1. Filler material for welding composed of an alloy of approximately 58% to 60% copper, 0.1% to 2% nickel, 0.03% to 0.75% silicon and 31.25% to 44.83% zinc.

2,028,318
PURIFICATION OF GASES
Bernard M. Carter, Montclair, N. J., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application February 3, 1931, Serial No. 513,123
16 Claims. (Cl. 23—178)



1. The method of eliminating deleterious impurities from hot burner gases in the contact sulfuric acid process which comprises cooling the hot gas containing water vapor in stages to cause condensation of the water vapor together with impurities and sulfuric acid contained in the gas, separately collecting condensate from an initial and a subsequent stage of said cooling operation, discarding initial condensate while retaining subsequent condensate whereby impurities are eliminated from the system in the initial condensate, whereas sulfuric acid condensed from the gas is segregated in the subsequent condensate.

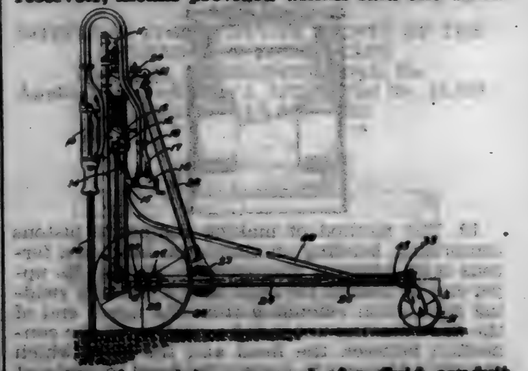
2,028,319
METHOD OF AND MEANS FOR PRODUCING BOLTS AND THE LIKE
William L. Clouse, Tiffin, Ohio, assignor to National Machinery Co., Tiffin, Ohio
Application June 1, 1934, Serial No. 729,497
7 Claims. (Cl. 10—27)



1. A machine for pressing and shaping metal including an extrusion die having limited sliding movement, gripping dies for holding a blank in correct position relative to the extrusion die, means for holding the extrusion die in correct position to receive metal while being extruded, and means for shaping the metal within the dies thereby to provide means for transmitting motion from one of the gripping dies while "breathing" during its release from pressure, to the extrusion die.

2,028,320
ROCK DRILL SUPPORTING FRAME
John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application December 6, 1934, Serial No. 756,394
4 Claims. (Cl. 255—51)

1. In a drilling apparatus, a substantially U-shaped hollow frame supporting a fluid actuable drill movable relatively thereto, the interior of said frame constituting a fluid tight reservoir, hollow braces welded to said frame across the inner corners thereof, the interior of at least one of said braces constituting a fluid tight chamber, an inlet port leading from said chamber into said reservoir, means provided within said one brace



capable of receiving one end of a fluid conduit for admitting fluid into said reservoir via said chamber and inlet port, and an outlet port leading from the interior of said reservoir adapted to receive one end of a conduit through which fluid from said reservoir may be admitted to the drill for actuating the latter.

2,028,321
SHOE RESHAPING DEVICE
Michael K. Dun, Forest Hills, N. Y.
Application October 5, 1934, Serial No. 746,954
6 Claims. (Cl. 12—51)



1. In a device for treating shoes, a support, a mandrel fixed in said support, a second mandrel mounted therein for movement relative to the first mandrel, pressure means bearing against said second mandrel in the direction of the first mandrel, shoe-engaging members rotatably mounted upon said mandrels, and means within said mandrels for heating members.

2,028,322
COMPOSITE PISTON
John Flammang, University City, Percy L. Bowser, St. Louis, and Herman Ernst, Pine Lawn, Mo., assignors to The Sterling Corporation, St. Louis, Mo., a corporation of Delaware
Application July 25, 1932, Serial No. 624,498
14 Claims. (Cl. 92—222)

1. A composite piston comprising, an aluminum head, a ferrous skirt which is diametrically

rigid at its upper end, and a connection from the upper end of said skirt and integrally bonded to said head, said connection having a portion thereof between the bond and the skirt which can yield in order to permit said head to expand relative to said skirt.



10. The method of making composite pistons comprising, bonding an aluminum head to a ferrous skirt which is diametrically rigid at its upper end, by casting the head on to a part of a yielding connection extending from the upper end of the skirt, leaving unbonded a portion of the connection between the head and the skirt which can yield in order to permit the head to contract relative to the skirt.

2,028,323

SAVINGS BANK ATTACHMENT

Harry S. Goodman, Chicago, Ill., assignor to Jerome H. Arneson, Chicago, Ill.

Application May 2, 1934, Serial No. 723,623

5 Claims. (Cl. 40—62)



1. An information giving attachment for savings bank containers and the like comprising a thin plate having two opposite side edges formed with grooves opening toward each other, the surface between said grooves having a chart of information thereon, a slide having portions fitting in said grooves to guide the slide in movement and having a transverse slot therein for facilitating reading of the chart information, said plate having clip means for temporarily fastening the plate to the containers, said clip means comprising integral portions of said plate at opposite ends thereof bent over to snap onto the edges of the containers.

2,028,324

SHOE POLISH

Hugh P. Griffin and Robert P. Richardson, Reidsville, N. C.

No Drawing. Application June 27, 1934, Serial No. 732,715

8 Claims. (Cl. 134—7)

1. Dry composition for white shoe polish comprising a substance selected from the following group; lithopone, or barium sulphate and zinc sulphide, in mixture with talc and trisodium phosphate.

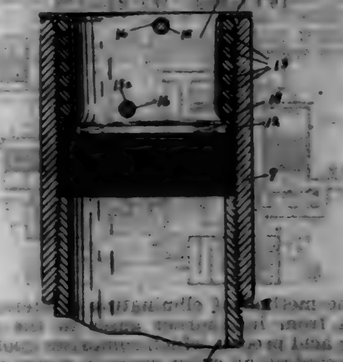
2,028,325

PIPE THREAD PROTECTOR

Lester S. Gunderman, Pittsburgh, Pa.

Application November 19, 1934, Serial No. 753,571

8 Claims. (Cl. 138—96)



1. A pipe thread protector comprising a substantial collar having a right angle flange at one edge thereof for contacting with the end of a pipe, fibrous resilient means wound on the body of said collar and arranged to contact with the thread of the pipe when mounted thereon, means on the opposite edge of said collar to force the resilient member against the said thread for frictionally locking the protector in the pipe, said resilient means being wound on the collar before being inserted in the pipe and said flange having recesses thereon for receiving a wrench for the removal of the protector.

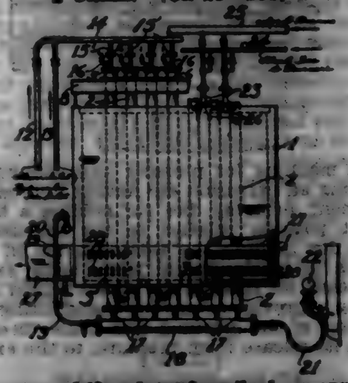
2,028,326

APPARATUS FOR THE PRODUCTION OF HYDROGEN

William V. Hanks, Baton Rouge, La., George H. Freyermuth, Elizabeth, and George Potts, Irvington, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application January 23, 1931, Serial No. 510,066

1 Claim. (Cl. 23—208)



Apparatus of the class described, comprising a furnace of refractory material and a plurality of reaction tubes supported at the upper end outside the furnace and arranged in two rows along the sides and passing freely through the roof and floor of said furnace, means permitting free expansive movement of the tubes below the point of support, means for firing the furnace at the upper end between the rows of tubes, means for withdrawing the combustion gases comprising a flue at the bottom of the furnace between said rows of tubes, a plurality of openings from the flue into the bottom of the furnace between said rows, the area of said openings being graduated with regard to their distance from the point of offtake to an outer stack from the flue and being smallest nearest said point of offtake whereby the pressure is substantially equal at all points within the furnace adjacent to the openings, and means for admitting a fluid to one end of the tubes and for removing said treated fluid from the other end.

2,028,327

ORCHARD HEATER

Wayne A. S. Harmon, Los Angeles, Calif., assignor, by mesne assignments, to California Orchard Heater Company, Los Angeles, Calif., a corporation of California

Application November 6, 1933, Serial No. 696,650

6 Claims. (Cl. 158—91)



1. In a heater, a combustion chamber member having a fuel inlet at one end, air inlet ports in the side wall thereof and an outlet at the opposite end, said ports being constructed to direct air into the combustion chamber member at progressively increasing angles to the general direction of flow of the burning gases from said inlet towards the outlet of the combustion chamber member.

2,028,328

EXPANSION INSERT OR CASTER SOCKET FOR TUBULAR LEGS OR THE LIKE

Walter F. Harold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut

Application August 15, 1933, Serial No. 684,619

7 Claims. (Cl. 16—39)



7. An expansion insert for tubular legs or the like, comprising a body, gripping means carried outwardly thereof having longitudinal and lateral movement relative to said body, and camming means cooperating between said body and gripping means adapted to impart outward lateral movement to the latter as said gripping means is moved relatively to said body in the direction of insertion in said tubular leg or the like, and spring means acting between said body and said gripping means normally pressing said gripping means in said direction of insertion.

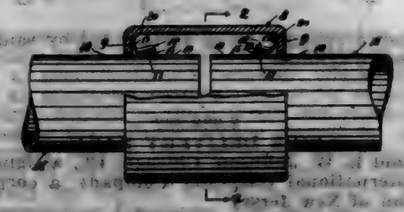
2,028,329

COUPLING FOR TUBULAR JOINTS OF THE EXPANSION JOINT TYPE

Claude M. Houston, Pittsburgh, Pa.

Application November 4, 1935, Serial No. 48,199

6 Claims. (Cl. 285—193)



1. In an expansion joint for a pipe line, a cylindrical housing enclosing the juxtaposed ends of the tubes to be connected, a flexible ring positioned at each end of the housing, each ring being of substantially L-shape cross section comprising a flange and a sleeve element, the flange of each ring being secured to the housing and each sleeve surrounding its corresponding pipe end in spaced relation, and a gasket of yielding material inserted between each sleeve and tube end.

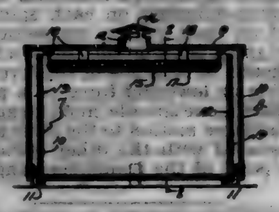
2,028,330

VENTILATED AND HUMIDIFIED STORAGE RECEPTACLE

David W. Hudson, Green Bay, Wis.

Application February 3, 1933, Serial No. 655,004

6 Claims. (Cl. 45—113)



1. In a device of the character described, the combination with a receptacle and a shell having walls spaced from said receptacle, and a cover spaced above said receptacle, the space within the walls comprising an air inlet and the upper portion of said shell being vented to provide an air outlet, of a pad disposed above the receptacle, and means connecting said pad with the cover whereby the contents of the receptacle are accessible upon removal of the cover.

2,028,331

FREE PISTON ENGINE COMPRESSOR

Hermann Jüttche, Dessau, Germany, assignor to Hugo Junkers, Bayrisch-Zell, Oberbayern, Germany

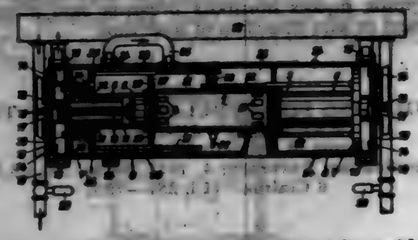
Application May 15, 1934, Serial No. 725,748

In Germany May 24, 1933

13 Claims. (Cl. 230—56)

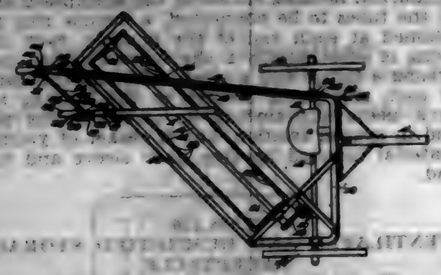
1. In a free piston motor-compressor in combination, a motor cylinder, a free piston arranged in said cylinder, and a multistage compressor comprising a low pressure cylinder, a

high pressure cylinder and pistons arranged for reciprocation in said two cylinders, said high



pressure cylinder being surrounded by said low pressure cylinder.

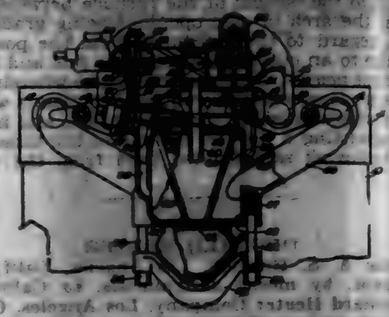
2,028,223
SIDE DELIVERY RAKE
Arnold E. W. Johnson, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application February 4, 1935, Serial No. 4,789
9 Claims. (Cl. 56—377)



1. A side delivery hay rake having a frame carried at its rear end on a pair of offset spaced ground engaging supports including upright spindles, a collar mounted on each spindle, a lever fulcrumed on each collar, connections between each lever and a point on the frame adjacent each spindle, means to rock one of the levers to transmit a lifting or lowering force to a point on the frame adjacent one spindle, and linkage for transmitting the same motion to the lever and connections associated with the other spindle to move the other point of the frame conjointly.

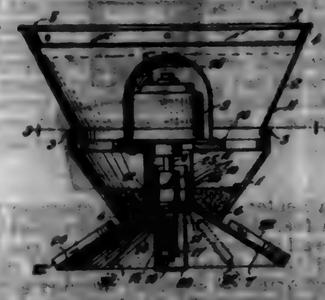
2,028,231
HEAVY FUEL VAPORIZER
Edward A. Johnston, Harry F. Bryan, and Harold H. Turner, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application October 16, 1933, Serial No. 693,726
9 Claims. (Cl. 261—18)

1. A heavy fuel vaporizer and carburetor for internal combustion engines comprising an intake manifold, an inlet to said manifold, throttling means in said inlet, a Venturi throat anterior to said means, an air inlet conduit communicating with said throat, a vaporizing chamber, an outlet conduit from said chamber communicating with a low pressure area in the Venturi throat, a heating jacket surrounding said chamber, means for supplying exhaust gas from the engine to said jacket, an inlet conduit communicating at one end with the chamber, means for supplying exhaust gas from the engine to the other end of said conduit at substantially the exhaust pressure, a Venturi throat in said conduit, a fuel supply, a conduit connecting said fuel supply with a low pressure area in said last mentioned Venturi throat, means for metering the fuel supplied to



said conduit, and an air bleed communicating with said fuel supply.

2,028,234
SAND DISTRIBUTOR FOR AUTOMOBILES
Fred G. Kocsh, Newark, and Adolph Markovits, Bloomfield, N. J.
Application December 15, 1934, Serial No. 757,832
8 Claims. (Cl. 291—32)

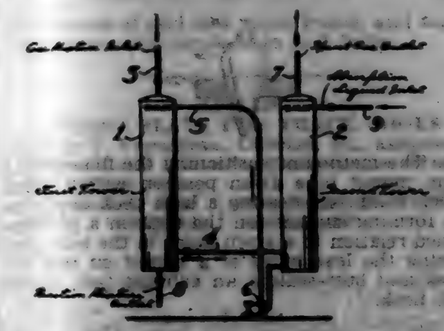


1. A spreader for granular material comprising a box having an outlet to discharge the material by gravity, a combined revoluble distributor and outlet valve for said box which is also movable coaxially of said outlet to open and close the same, a drive shaft and means connecting said distributor and valve to said shaft so that said valve is opened by rotation of said shaft for simultaneously opening said outlet of the box and rotating said distributor to centrifugally spread the material and closing said outlet and stopping rotation of said distributor, upon starting and stopping of rotation of said shaft respectively.

2,028,235
PROCESS FOR DESULPHURIZING A PETROLEUM OIL DISTILLATE
Vladimir Kalichevsky, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 10, 1931, Serial No. 529,202
5 Claims. (Cl. 196—22)

3. A process for desulphurizing a petroleum oil distillate which comprises treating said distillate with a substantially anhydrous mixture of sodium and potassium hydroxides containing about 1¼ lbs. of sodium hydroxide per pound of sour sulphur in the distillate and approximately from ⅛ to ⅜ lbs. of potassium hydroxide per pound of corrosive sulphur in the distillate.

2,028,236
METHOD OF CARRYING OUT CHEMICAL REACTIONS
Paul E. Kuhl, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 5, 1932, Serial No. 636,845
6 Claims. (Cl. 23—2)



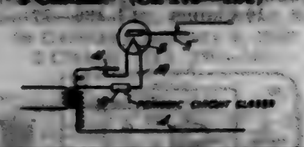
1. The method of removing H_2S from a gaseous mixture by carrying out a chemical reaction in two reaction zones between two gases one of which is H_2S and which are able to react chemically when simultaneously present in solution in a liquid medium and one of which is more readily soluble in the liquid medium than the other one, which comprises, passing a gas mixture containing the two reacting gases through the first reaction zone concurrently with liquid medium containing gases absorbed in the second reaction zone, removing the liquid medium and the reaction product from said first zone, and passing unabsorbed gases into the second reaction zone countercurrently to fresh liquid medium to obtain the liquid medium containing absorbed gases.

2,028,237
HOLDER FOR UMBRELLAS
Jean P. Lane, Seattle, Wash.
Application November 2, 1934, Serial No. 751,220
6 Claims. (Cl. 211—63)



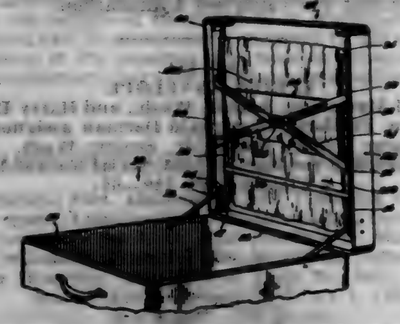
1. In a collapsible container having flexible, foldable walls, the combination with a base secured to said walls and forming an interior cup, of an open neck-portion for the container, said walls adapted to fold within the interior of the cup and said neck adapted to enclose the folded walls and cup when the container is in collapsed condition, and means attached to the neck portion for suspending the extended container.

2,028,238
ELECTRICAL APPARATUS
Clarence J. Le Bel, Lynn, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application October 30, 1933, Serial No. 695,899
9 Claims. (Cl. 176—126)



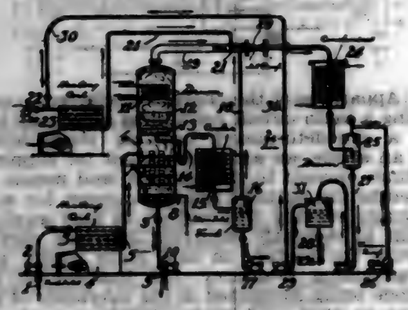
1. Apparatus of the character referred to comprising a main circuit containing a cathode having a pre-determined heat-lag characteristic and an anode, an auxiliary circuit for supplying heating current to the cathode, and means operated by the cathode heating current for automatically varying the current in said auxiliary circuit at regularly recurrent intervals, thereby to vary the current in said main circuit at a corresponding frequency, the heat-lag of said cathode being correlated to the operation of said means so that said main circuit current consists of regularly recurrent waves having similar slowly rising wave fronts.

2,028,239
BAGGAGE
Abraham Levine, Elizabeth, and Harry Kaufman, West Orange, N. J.
Application February 15, 1932, Serial No. 593,930
19 Claims. (Cl. 190—41)



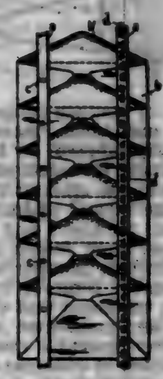
3. In an article of luggage comprising complementary bottom and cover members pivotally united along one side thereof by hinge means, a foldable rack pivotally mounted within the cover member to swing about an axis parallel to and adjacent said hinge means within the limits set by the walls of said members and to nest within said cover member when folded and to extend outwardly of the bottom member beyond the side of the bottom member removed from the hinge thereof when it is unfolded and extended to its maximum length and positioned so as to overlie said bottom member, movable means carried by said rack and adapted to cooperate with the side of said bottom member farthest removed from the hinge thereof, means on said rack cooperating with said movable means to support the rack above said body member and in overlying relation thereto, and to prevent movement of said rack therefrom, and garment-supporting means positioned on the free outer end of said rack adapted to receive garments thereover in pendent relation outside of the confines of said article of luggage when said rack is positioned in extended relation so as to overlie said bottom member.

2,028,240
METHOD FOR THE DISTILLATION OF EASILY DECOMPOSABLE MATERIALS
Warren K. Lewis, Newton, Mass., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 17, 1933, Serial No. 693,948
10 Claims. (Cl. 196—77)



1. An improved process for non-destructive distillation of easily decomposable materials which comprises evaporating such material in a distillation zone, withdrawing gases from said zone through a constricted outlet, discharging a stream of vaporized high boiling hydrocarbon material substantially free from constituents having a high vapor pressure through the constricted outlet whereby the distillation zone is maintained at a sub-atmospheric pressure and condensing the vaporized hydrocarbon.

2,028,341
SERIES ENVELOPE
Isobel Masterson, Seattle, Wash., and Harry Dorman, Portland, Oreg.; said Dorman assignor to George Willard Bowen, Jr., Seattle, Wash.
Application October 16, 1933, Serial No. 693,768
6 Claims. (Cl. 229—69)



2. A series of successive envelopes arranged in alinement, the envelopes in said series being joined to each other by a continuous strip of material having an adhesive substance located between said strip and said envelopes, said strip extending across one face of each of said envelopes and being lightly secured by adhesion to each envelope of said series thereby adapted to be easily removed therefrom.

2,028,342
METHOD OF BUTT-SEALING INCANDESCENT ELECTRIC LAMPS
Michael E. McGowan, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a corporation of Pennsylvania
Application January 28, 1936, Serial No. 761,611
9 Claims. (Cl. 49—78)



1. The method of positioning the filament of a lamp mount in a given position within a bulb which comprises heating a bulb neck until plastic, forming surfaces on the neck in a predetermined relation to a given point in the bulb, positioning the lead wires of a mount on said surfaces and butt-sealing an exhaust tube on said bulb neck.

2,028,343
METHOD AND MEANS FOR PROTECTING MAGNESIUM AND MAGNESIUM ALLOYS
Josef Martin Michel, Bitterfeld, Germany, assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application July 10, 1933, Serial No. 677,105. In Germany August 6, 1931
9 Claims. (Cl. 252—6)

1. A method of preventing the corroding action, upon magnesium and magnesium alloys, of a liquid consisting substantially of a polyhydric alcohol, which comprises incorporating in said liquid a minor quantity of an alkali fluoride.

2,028,344
SHIELD FOR TOOTHED SEPARATOR ELEMENTS
Melville J. Mitchell, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 18, 1934, Serial No. 748,811
7 Claims. (Cl. 130—23)



7. A rotary separator element having a row of spaced teeth thereon, a shield attachment for the teeth having a curled edge adapted to hook over the ends of said teeth, and an extension included in the shield adapted to be secured to the element.

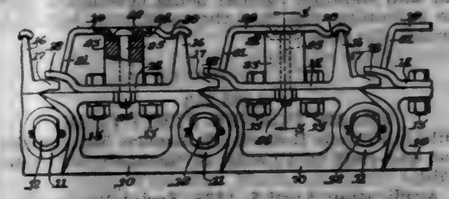
2,028,345
STOVE DOOR
Lewis Moore, Joliet, Ill., and Isaiah S. Hallowell, La Fayette, Ind.
Original application January 26, 1932, Serial No. 587,726. Divided and this application November 25, 1933, Serial No. 699,676
3 Claims. (Cl. 126—194)

1. A stove door, comprising a rectangular skeleton cast metal frame provided with marginal recesses, and a sheet metal door front, brackets welded to said door front for engagement within



the recesses of said cast metal frame, and means for securing said brackets to said frame.

2,028,346
STREET PLATE FOR TRACK SHOES
Norman O. Pannegren, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 5, 1935, Serial No. 25,947
10 Claims. (Cl. 305—16)



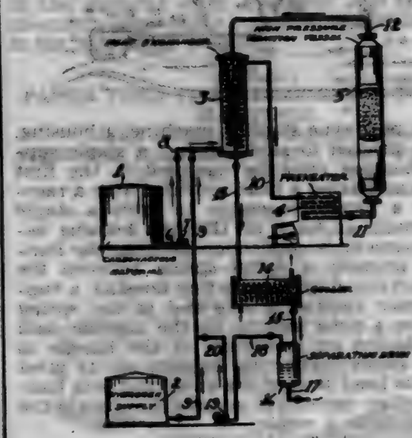
1. A street plate attachment for a track shoe having a transverse lug formed thereon adjacent one end, said plate embodying a flat portion having a spacer sleeve secured thereto between its ends and adapted to rest on the shoe over a hole formed in the shoe, a bolt passed through the plate, sleeve, and shoe opening, to secure the plate to the shoe, said plate having one end formed to fit over the lug on the shoe and having its other end bent at an angle to fit against the other end of said shoe.

2,028,347
HEATED BOOT
John M. Peloni, Brockton, Mass.
Application December 29, 1933, Serial No. 704,576
1 Claim. (Cl. 219—19)



In combination with a shoe having a main sole and an insole, asbestos sheets between the main sole and insole, a stiff reinforcing shank between the asbestos sheets extending from the rear end of the heel of the shoe and terminating at the junction of the front of the arch of the main sole with the ball portion thereof and conforming to the width and outline of the heel and arch portion of the main sole, said shank consisting of a hollow metal casing having upper and lower walls united along their marginal edges, a core in the hollow casing consisting of a sheet of insulation, a resistance coil about said core, sheets of insulation enclosing the core and coil with their marginal portions projecting therefrom secure along their edges, and conductors leading from said coil between marginal of the sheets of insulation and projecting outwardly from the casing for connection with a source of electric energy.

2,028,348
PROCESS FOR HYDROGENATING DISTILLABLE CARBONACEOUS MATERIALS
Mathias Pier, Heidelberg, and Walter Simon and Walter Kroenig, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J., a corporation of Delaware
Application December 23, 1932, Serial No. 648,435
In Germany January 2, 1932
2 Claims. (Cl. 196—53)



1. The process of destructively hydrogenating a middle oil which comprises subjecting said oil to the action of hydrogen at a temperature of about 440° C. and under a pressure of 200 atmospheres in the presence of a catalyst consisting of molybdenum bromide and tungsten sulfide.

2,028,349
LUBRICANT AND PROCESS OF MAKING SAME
Mathias Pier, Heidelberg, and Friedrich Christmann, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 28, 1933, Serial No. 678,054. In Germany July 1, 1932
3 Claims. (Cl. 87—9)

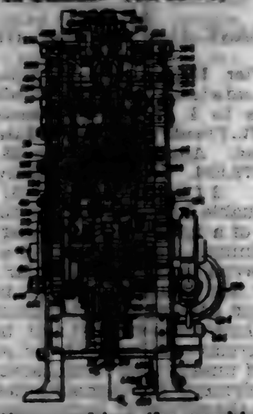
1. A valuable hydrocarbon mixture essentially consisting of a lubricant containing paraffin wax and containing a small amount of a hydrocarbon product having a mean molecular weight of at least 1000 and being capable of increasing the viscosity and flattening the temperature viscosity curve of hydrocarbon oils and being selected from the group consisting of the polymerization products of unsaturated hydrocarbons capable of forming polymeric homologous series, the products obtainable therefrom by hydrogenation, isomerization or isomerization and hydrogenation, hydrogenated rubber, hydrogenated resins soluble in high boiling oils, hydrogenated balata and hydrogenated gutta percha and a small amount of a substance different from the viscosity regulator capable of lowering the setting point of hydrocarbon oils and selected from the group consisting of high molecular weight volatilisation products of waxy hydrocarbons rich in hydrogen, condensation products of paraffinic hydrocarbons having a high molecular weight, both per se and in conjunction with cyclic hydrocarbons, and condensation products of high molecular weight aliphatic oxygen-containing compounds.

2,028,350
PLIER TYPE STAPLING MACHINE
Fridolin Polzer, South Norwalk, Conn.
Application November 10, 1934, Serial No. 752,491
8 Claims. (Cl. 1—49)



1. In a plier type stapling machine, a housing, a handle pivoted to said housing, a staple supporting housing pivotally mounted in the first housing and having a head provided with a raceway and a plunger operable to drive a staple therethrough, an anvil on the first housing below the raceway, a connection between the handle and plunger, a spiral spring between the handle and the staple supporting housing, a cup-like member embracing one end of the spring and having a pivot bearing on the housing, said spring adapted on movement of the handle to rock the staple supporting housing on its pivot to move its head toward the anvil, and said handle on further movement adapted to operate the plunger to drive a staple.

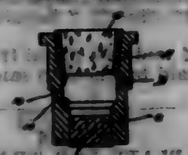
2,028,351
MACHINE FOR SHAPING UPPERS OVER LASTS
Arthur F. Pym, Swampscott, and William E. Scarlett, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 7, 1934, Serial No. 724,276
61 Claims. (Cl. 12—7)



1. In a lasting machine, the combination with shoe-positioning means, of means for shaping different layers of shoe upper materials separately to a last while working on the different layers simultaneously and for working the marginal portion of each layer into finally lasted relation to a sole.

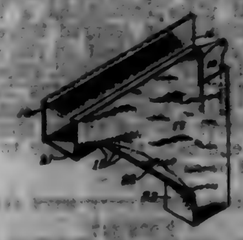
2,028,352
BUNG
Edward A. Rasbridge, Lebanon, Pa.
Application November 8, 1932, Serial No. 642,549
3 Claims. (Cl. 217—113)

1. A bung for kegs comprising a sleeve fitted into the bung opening of the keg and capable of receiving a tap device including a siphoning rod, the bore of said sleeve having a plurality of shoulders defining sections of successively reduced diameters, a packing washer fitted in said outermost section, a removable plug in the inner-



most section of the sleeve to be driven into the keg by the siphoning rod, one of said shoulders constituting a stop for the inner end of the tap and said shoulder further being bevelled to guide the siphoning rod into the innermost section in contact the plug.

2,028,353
FRAME CORNER STRUCTURE
William Francis Roberts, Baltimore, Md., assignor of one-half to Charles J. Seebach, Baltimore, Md.
Application April 6, 1935, Serial No. 15,331
1 Claim. (Cl. 156—44)

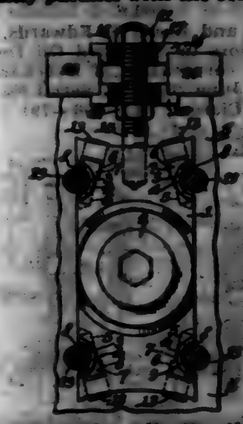


An article of manufacture and merchandise comprising a frame-corner-member of rigid sheet material constituting a channel-member having walls each including two securing-flanges disposed longitudinally at right angles to one another, each flange of one channel-wall being laterally disposed at right angles to the main part of this wall and projecting towards a similarly formed and arranged flange of the opposite channel-wall, said walls being connected by a channel-bottom which is laterally and longitudinally continuous and includes end portions substantially at right angles to one another and united with an intermediate portion that is substantially oblique to said end portions, whereby said walls are held in the maximum rigidity and stability with respect to one another.

2,028,354
ADJUSTABLE DIE HOLDER
Walter H. Rex, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio
Application September 8, 1932, Serial No. 632,214
6 Claims. (Cl. 78—69)

1. In a metal working machine a backing element, a die holder thereon, means normally spaced from the holder for fastening it to said element, wedges adjustably mounted within the holder and each having an obliquely disposed surface for contact with one of the fastening means,

the obliquely disposed portions of the wedges being constantly parallel with the center line of the



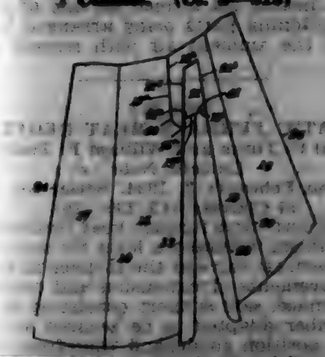
holder, and means for adjusting the holder in the direction of said center line.

2,028,355
BULB SPRAYING DEVICE
Joseph Rand, Peabody, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application June 7, 1935, Serial No. 25,374
3 Claims. (Cl. 91—45)



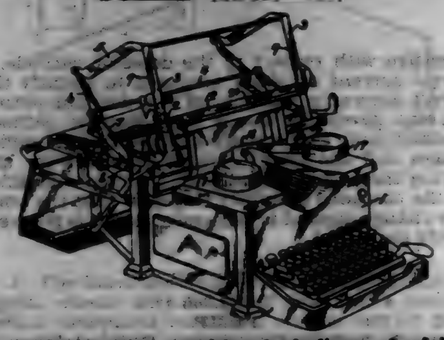
3. In combination, a spray gun for spraying the interior of a lamp bulb with a translucent refractory coat, and means to project a cleaning jet upon the nozzle of said gun at regularly recurrent intervals when said gun is removed from said bulb.

2,028,356
CONVERTIBLE GARMENT
Max L. Schreier, Brooklyn, N. Y.
Application July 10, 1933, Serial No. 679,758
7 Claims. (Cl. 2—213)



1. A convertible garment comprising front portions and back portions, the outer edges of each front portion being permanently secured to the outer edges of the back portions and means on each of the inner edges of the garment portions adapted to separably unite the respective inner edges of the front portions and the respective inner edges of the back portions when the garment is arranged as a shirt, said means being also adapted to separably unite the inner edges of the front portion to the respective inner edges of their respective back portions when arranged as trousers, and a trousers crotch portion formed from upper parts of the front portions and adapted to overlay an outer portion of the front of the garment when arranged as a shirt, and means to detachably retain said crotch portion in the mentioned position.

2,028,357
PAPER FEED FOR TYPEWRITER BILLING MACHINES
John Q. Sherman, Dayton, Ohio
Application December 21, 1931, Serial No. 582,379
2 Claims. (Cl. 197—133)



1. In a writing machine including a feed bar terminating in a pair of brackets extending at right angles thereto, said feed bar carrying a pair of studs for engaging record material, and a retainer terminating in a pair of brackets, said retainer being shorter than the feed bar but similar thereto, the brackets of the retainer being pivotally attached to the brackets of said feed bar.

2,028,358
HANDRAIL FOR MOVING STAIRWAYS
Harold W. Shennard, Montclair, N. J.
Application June 27, 1934, Serial No. 732,554
8 Claims. (Cl. 198—16)

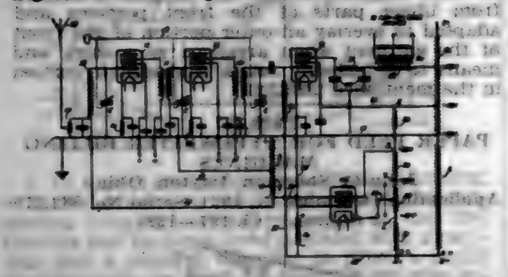


1. A hand rail for moving stairways comprising a flexible body having a central portion and channel shaped sides with inner surfaces adapted to slide on guides, and a frictional non-metallic traction member on the central portion of said body of a material having a higher coefficient of friction than that of said slidable surfaces.

2,028,359
AUTOMATIC VOLUME CONTROL CIRCUITS
Harold A. Snow, Mountain Lakes, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 12, 1935, Serial No. 44,353
13 Claims. (Cl. 250—20)

1. The combination with a plurality of cascaded amplifier stages whose input circuits are

maintained at a common carrier wave potential, of means for varying an amplification controlling voltage applied to each of said stages, said voltage variation means comprising a detector, an input circuit for said detector and shunted across the output of said amplifier stages, said detector being of the self-biased type and including a resistor in its cathode circuit, the detector grid being connected to a point on the resistor which is



negative with respect to the detector cathode, a direct current amplifier arranged to amplify the direct current component of the detector output current developed across said detector cathode resistor, and connections between the amplifier stages and the direct current amplifier for applying the output of said direct current amplifier to the cascaded amplifier stages so that the voltage change applied to successive stages is progressively decreased.

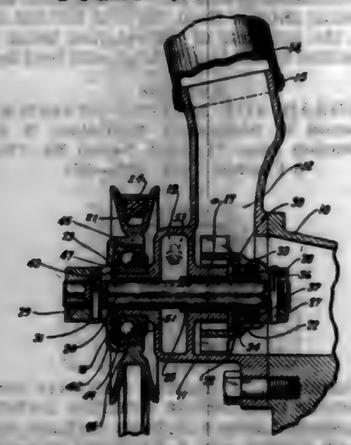
1,928,360

PUMP

Isaac W. Sprink, Whitehouse, Ohio, assignor to The Logan Gear Company, Toledo, Ohio, a corporation of Ohio

Application June 19, 1923, Serial No. 676,436

2 Claims. (Cl. 103—111)



1. In combination, a housing; a lubricant chamber in said housing; a shaft; a plurality of bosses projecting from said chamber having openings to accommodate the shaft; a pump impeller mounted on the shaft adjacent one of said bosses; fluid sealing means between said impeller and said boss; a driving pulley mounted on the shaft adjacent a second boss; an anti-friction bearing between said second boss and said pulley for supporting said shaft; the opening in said boss adjacent the anti-friction bearing being larger than the shaft to facilitate passage of lubricant from said chamber to the bearing.

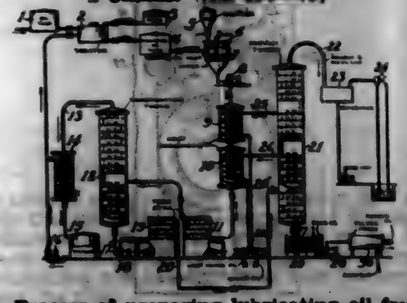
1,928,361

PROCESS FOR PRODUCING LUBRICATING OILS

John V. Starr and David F. Edwards, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application June 30, 1923, Serial No. 648,811

2 Claims. (Cl. 196—73)



1. Process of preparing lubricating oil from a lubricating oil stock which comprises agitating the stock with a selective solvent, separating the extract layer from the raffinate layer, subjecting the raffinate layer in the presence of the absorbed selective solvent which it contains at the time of its separation from the extract layer to fractional distillation in the presence of an absorbent clay, and removing the adsorbent clay from the distillation residue.

1,928,362

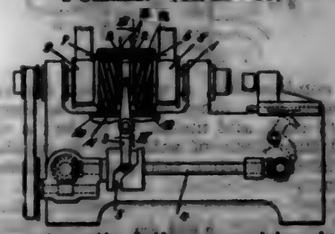
AUTOMATIC LATHE

Karl Teasky, Esslingen, Germany

Application November 29, 1923, Serial No. 678,254

In Germany December 19, 1922

4 Claims. (Cl. 29—53)



1. An automatic lathe comprising in combination, a lathe bed, a lathe spindle revoluble on said bed and a pair of revoluble clutching parts surrounding said spindle and forming a friction clutch, a helical rib formed on one of said revoluble clutching parts being arranged to effect a flow of the ambient air with respect to said parts.

1,928,363

AUTOMATIC FURNACE HEAT REGULATOR

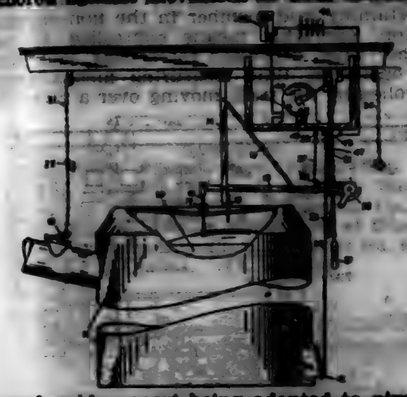
Paul C. Timm and William F. Timm, Lincoln, Nebr.

Application February 3, 1924, Serial No. 691,643

14 Claims. (Cl. 236—14)

1. A support for a furnace heat regulator having mechanism including a lever for opening and closing the draft valve of the furnace in response to the movements of expansion and contraction of the furnace, said support consisting of a vertical member adapted to be secured at a fixed overhead position to depend therefrom, a post for penetrating the furnace jacket, adjustable connections between said support and said post for adjustment of the over-all length of said support and said post, and means for maintaining

said support and said post in alignment, the arrangement being such that said support will be anchored against movement at both extremities



thereof, said support being adapted to pivotally support the lever of the mechanism for opening and closing the furnace draft valve.

1,928,364

PROCESS FOR PRODUCING ANTIRACHITIC SUBSTANCES

James Waddell, Metuchen, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Co., Wilmington, Del., a corporation of Delaware

No Drawing. Application May 16, 1923, Serial No. 677,267

4 Claims. (Cl. 167—81)

1. A process for producing antirachitic substances which comprises activating lipoid-containing compounds heated to a temperature above 100° C. in the presence of a quantity of water which is greater than the amount of lipoid-containing compounds, the period of heating being sufficient to increase the amount of activatable constituents present but so limited as to prevent substantial injury to such constituents.

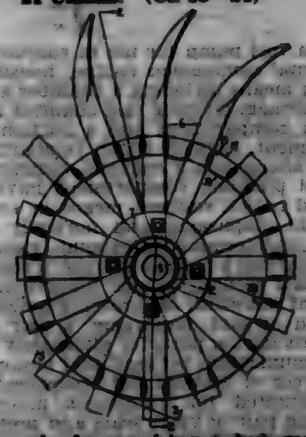
1,928,365

ROTARY HOE

Donald A. Wangelin, Rock Island, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application February 2, 1923, Serial No. 618,549

21 Claims. (Cl. 55—34)



1. A hoe wheel comprising a hub member, a plurality of teeth radiating from said hub member and adapted to be forced into wedging relation when shifted radially inwardly, the inner ends of the teeth having an oblique bend, said hub member being provided with means against which the obliquely bent ends of said teeth are received, and means cooperating with the teeth for clamping them to the hub member with the bent ends reacting against said first named means to force said teeth radially inwardly.

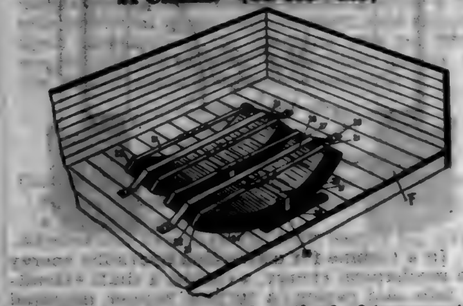
1,928,366

METHOD OF LOADING AND SHIPPING SHEET METAL

Jay Fred Warren, Detroit, Mich., assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application May 25, 1921, Serial No. 539,723

21 Claims. (Cl. 105—369)



1. The hereindescribed method of transporting metal sheets, such as sheet steel, on a carrier, which comprises mounting on the carrier floor a pack of sheets in bowed condition with the opposite ends of the pack free to rock upwardly and downwardly, and binding the sheets of the pack together.

1,928,367

ELECTRIC CONNECTER

Hugo H. Wermine, Villa Park, Ill., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application September 4, 1929, Serial No. 390,822

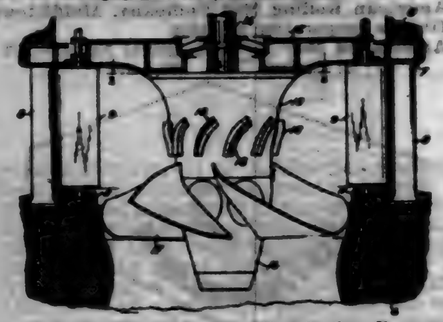
9 Claims. (Cl. 173—361)



1. In an electric connecter, the combination of inner and outer body parts, the outer part having a recess for receiving the inner part, said parts having interlocking engagement maintaining the same in assembled relation and one of said body parts being made of resilient material so as to be distortable to permit assembling of said parts in said interlocked relation, said inner body part

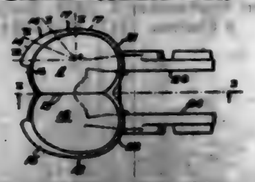
having a longitudinally extending recess in its inner end portion and an opening in its outer end portion communicating with said recess, and a contact member disposed in said recess and provided with means engaging said inner body part at the outer end of said recess and said outer body part at the bottom of the recess therein, thereby to prevent endwise displacement of the contact.

2,028,268
HYDRAULIC TURBINE
William M. White, Milwaukee, Wis.
Application March 21, 1934, Serial No. 716,250
5 Claims. (Cl. 253—146)



1. In a turbine for converting hydraulic energy into mechanical energy, a casing, a shaft extending into said casing, a turbine runner mounted on said shaft within said casing, a plurality of movable vanes forming a gate for said casing and guiding the flow of water to form a vortex, and vanes arranged between said runner and said guide vanes to control the velocity of vortex formed by the action of said guide vanes on the flow thereof.

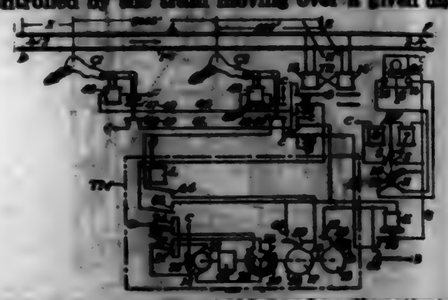
2,028,269
IMPULSE TURBINE BUCKET
William M. White, Milwaukee, Wis.
Application May 31, 1934, Serial No. 728,235
9 Claims. (Cl. 253—114)



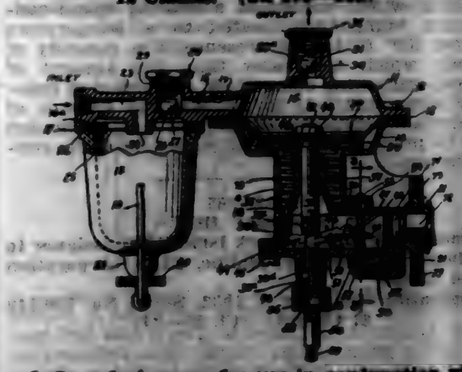
1. A bucket for hydraulic turbines of the impulse type comprising intersecting ellipsoids, and lugs extending therefrom, said ellipsoids having thickened lip and bottom portions and reduced thickness side portions whereby the angle of discharge is decreased.

2,028,270
APPARATUS FOR THE CONTROL OF HIGHWAY CROSSING SIGNALS
Arba G. Williamson, Carnegie, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 1, 1933, Serial No. 683,164
14 Claims. (Cl. 246—130)

1. In combination, a stretch of railway track intersected by a highway, a highway crossing signal located at the intersection, a track rail contactor located at a fixed point which a train passes in approaching the highway and which contactor includes a member adapted to be depressed from an engaging position to a non-engaging position by a wheel of the train, means for retaining said member in the non-engaging position, operating means controlled by said member when depressed for setting said signal into operation, time measuring means, means controlled by the train moving over a given distance in approaching said track rail contactor for operating said time measuring means, means controlled by said time measuring means for delaying the operating means from setting said signal into operation in accordance with the measured time, and means controlled by the train moving away from the intersection for restoring the member of said contactor to the engaging position.



2,028,271
FUEL PUMP
Sumner Wilbur, Dearborn, Mich.
Application January 25, 1933, Serial No. 653,734
12 Claims. (Cl. 103—152)



1. In a fuel pump for use in conjunction with an internal combustion engine, housing means, pumping means including a chamber and a flexible diaphragm dividing said chamber into a fuel pumping compartment and a suction receiving compartment, each of which compartments occupy in alternation a common volumetric space, said fuel pumping compartment having a fuel inlet and outlet, resilient means in engagement with said diaphragm and normally urging it with a predetermined maximum yielding pressure to perform a pumping stroke, a reciprocating guide shaft secured to said diaphragm in axial alignment therewith for preventing eccentric distortion of said diaphragm, a pair of spaced valve seats having ports for alternately establishing communication between said motor chamber and sources of vacuum and atmosphere, a valve freely mounted for frictionless movement between said pair of valve seats and provided with valve seating surfaces for engagement with said seats, and lost motion connections between said valve and guide shaft to cause said valve to be actuated into engagement with said seats in alternation as said diaphragm reaches the ends of said working chamber, said connections including a lever extending between said valve and shaft and spring means coacting with said lever normally to hold said valve in engagement with one or the other of said valve seats.

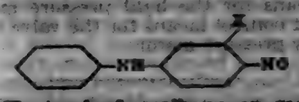
2,028,272
VAPOR STOVE CONSTRUCTION
Anton J. Yeager, Wisconsin Rapids, Wis., assignor to Pressing-Wickam Products Co., Wisconsin Rapids, Wis., a corporation of Wisconsin
Application November 23, 1932, Serial No. 644,914
5 Claims. (Cl. 158—21)



1. In a vapor stove or the like, a fixed stove structure, a generator tube having one portion fixedly secured to the fixed structure and another portion free to move relative to the fixed stove structure, a fuel valve assembly engaging the fixed structure, a member carried by the tube normally engaging the valve, the connection between the fixed structure and tube portion positively maintaining the valve closed, and permitting the valve to open upon predetermined expansion of the tube upon being heated.

2,028,273
MANUFACTURE OF 4-AMINODIPHENYLAMINE DERIVATIVES AND INTERMEDIATES OBTAINED THEREBY
Arthur Zitscher and Wilhelm Schlenfeden, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 10, 1933, Serial No. 660,206. In Germany March 10, 1932
9 Claims. (Cl. 260—62)

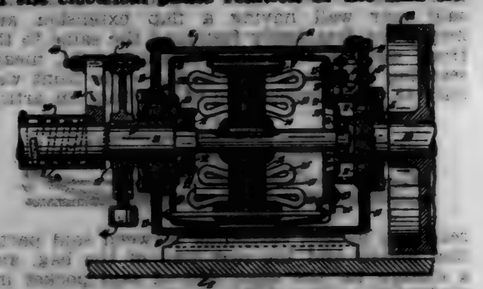
5. The compounds of the following general formula:



wherein X stands for alkoxy or methyl and wherein the benzene nuclei may be further substituted by methyl, alkoxy or chlorine, representing in crystalline form strongly colored bodies having metallic luster, capable of forming salts in the presence of acids and alkalies.

2,028,274
TORQUE TESTING APPARATUS
Gordon R. Anderson, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application September 16, 1931, Serial No. 563,159
15 Claims. (Cl. 265—28)

1. In a torque testing apparatus for rotary devices, inductively coupled electromagnetic elements mounted one within the other for concurrent rotation, means connecting one of said elements to a machine under test, a resilient member connecting said elements, means associated with the other of said elements constituting a loading therefor and tending to cause a change in the electrical phase relation of the said elements during test, means for indicating a variable electrical phase shift between said elements, upon operation of the machine, and an electric circuit connecting said indicating means with one of said electromagnetic elements.



2,028,275
ELECTRIC PLUG CONNECTER
Gustaf E. Andre, Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 25, 1930, Serial No. 431,595
4 Claims. (Cl. 173—341)



1. In an electric connecter of the class described, the combination of a resilient material body having a conductor-receiving opening extending therethrough, an elongated contact prong having an inner end portion extending longitudinally into the body portion alongside said opening, said inner end portion having an edgewise extension bent outwardly relative to the plane of said end portion and embedded away from said opening, an ear extending laterally from the upper edge of said extension and embedded in the front end of the body so as to have its top surface substantially flush with the front end surface of the body, said ear being adapted to have an electric conductor connected thereto, and a lipped flange of resilient material formed integral with and extending forwardly from the front end of said body to form, with said front end, a receptacle for the connection between the conductor and prong.

2,028,276
HAND BAG
William Benwer, Brooklyn, N. Y.
Application December 24, 1934, Serial No. 758,896
1 Claim. (Cl. 150—33)

A handbag comprising front and rear walls, partition means forming a plurality of com-

partments between said walls open at the top of the bag, means directly and permanently securing said partition means and said front and rear walls to each other at one end of the bag, said rear wall having a flap extension and means for detachably fastening the same to the front wall to close said compartments, means securing said partition means to the front wall only at the opposite end of the bag, an article



receiving pocket, extending between said partition means and the rear wall of the bag, and a closure for the open end of said pocket including two series of interlocking elements and a slide fastener, one series of said elements being attached to the latter end of the front wall of the bag by the means securing said wall to the partition means and the other series of interlocking elements being secured to the corresponding end edge of the rear wall of the bag.

2,028,277
TOY MENAGERIE CAGE
Adolphe Bernasconi, Rosebank, Richmond, N. Y., assignor to C. F. Mueller Company, Jersey City, N. J., a corporation of New Jersey
Application August 3, 1933, Serial No. 683,423
5 Claims. (Cl. 46—11)



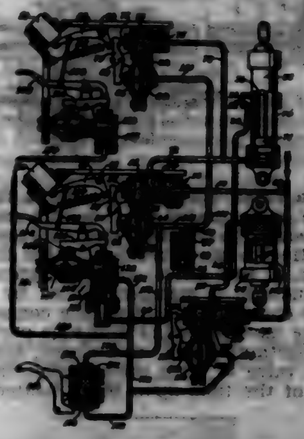
1. A device of the character described comprising an enclosure including a top, side walls, bottom and a false bottom above said bottom, the front wall having an opening therein, and said top and said false bottom having holes therein contiguous to the opening in the front wall for receiving members forming bars engaging said bottom at the lower ends thereof to be supported in position thereby.

2,028,278
ETHERIC VIBRATOR
Hiel Eugene Crum and Anna May Crum, Indianapolis, Ind.
Application February 6, 1935, Serial No. 5,264
2 Claims. (Cl. 176—177)



1. In an etheric vibrator, a box having a top, bottom, front and back sides, the front having a longitudinal slot and a longitudinal series of holes parallel with the slot with a transparent closure of a different color in each hole, a lamp housing in the box having a vertical wall spaced from the front of the housing, a lamp in the housing, a knob extending from the housing through the longitudinal slot for the manual moving of the housing to selectively illuminate one of the colored closures in the series of holes, the top of said box having a longitudinal slot sloping back toward the said vertical wall of the housing and a color strip inserted through the last slot into bending contact with the vertical wall and thence downwardly against said wall.

2,028,279
CONTROL MEANS FOR GARMENT OR BEDDING PRESSES
Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company Inc., Syracuse, N. Y., a corporation of New York
Application February 26, 1931, Serial No. 517,581
Renewed May 1, 1935
31 Claims. (Cl. 121—38)



1. In a garment or laundry pressing machine, in combination, cooperative pressing jaws one of which is movable with respect to the other; operating mechanism for the movable pressing jaw including, a fluid motor to bring the pressing jaws together under light pressure, and a fluid motor to apply heavy pressure to the pressing jaws; valve means to control the flow of working fluid to the light pressure motor; valve means rendered operative upon closing of the press to control the flow of working fluid to the heavy pressure motor; two-hand control means for the valve means for the light pressure motor; and two-hand control means for the valve means for the heavy pressure motor.

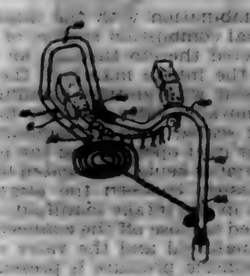
2,028,280
PENCIL
Frank C. Doll, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application December 7, 1934, Serial No. 756,438
9 Claims. (Cl. 120—18)



1. In a pencil of the "propel-repel" type, the combination of a barrel, and a relatively rotatable tip, a spiral fixed relative to the barrel, lead advancing mechanism operated by the tip and cooperating with said spiral, means in the barrel for deflecting the spiral away from the axis of the barrel to provide a reserve lead chamber alongside of said spiral, said means providing side walls for defining the lateral limits of said lead chamber.

8. In a pencil, the combination of a tubular barrel, a spiral anchored therein, a tip consisting of a metal terminal portion having a shank, and a non-metal portion mounted on said shank, a lead tube anchored in said shank, the tube being of full cylindrical form in substantially all of the portion engaging the shank and slotted throughout the remainder of its length, a portion of the metal of the end of shank being deflected into said slot to anchor the tube within the shank against relative longitudinal and angular motion, and lead advancing mechanism carried in said tube.

2,028,281
SALIVA EJECTOR
William P. De Witt, Auburndale, Mass.
Application May 26, 1932, Serial No. 613,631
8 Claims. (Cl. 32—33)

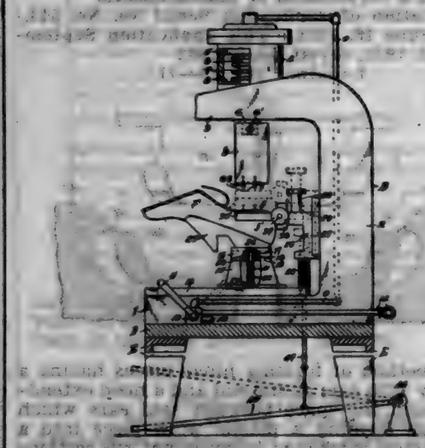


1. A saliva ejector comprising two intake sections, a connecting member, and a discharge section, the intake sections being spaced apart and one adapted to be positioned in and to drain the buccal cavity and the other the lingual cavity of the mouth, and provided with intake openings in the top thereof, a movable guard for the openings in the lingual section, the guard consisting of coils of wire, the end coils being tight and the intermediate coils being loose upon the section, the connecting member joining the rear ends of the intake sections and being arched to extend over the teeth at the back of the mouth, and the discharge section being connected to the front end of the lingual section and arched to extend over the teeth at the front of the mouth.

6. A saliva ejector comprising an intake section, a discharge section connected therewith and having an arched portion extending over the teeth at the bottom of the mouth, and a descending portion extending downwardly over the chin of the user, and means for holding the ejector in position, said means comprising a spring arm secured at one end to the descending portion and at the other end carrying a flat resilient coil of wire to engage beneath the chin of the user.

2,028,282
MACHINE FOR INSERTING FASTENERS AND FORMING THE HEEL AREA OF A SOLE
Frank E. Depp, St. Louis, Mo., assignor to Forma Corporation, a corporation of Illinois
Original application October 24, 1932, Serial No. 639,231. Divided and this application September 21, 1933, Serial No. 690,562
7 Claims. (Cl. 1—21)

1. In a machine for heeling shoes, a ram, a removable slotted holder on said ram for receiving the apertured ears of a pronged plate, yieldable retaining means on the holder for holding the plate against the holder and means for actu-



ating the ram to force the prongs of the plate through the heel seat material of the shoe for locking the plate against displacement on the heel seat of the shoe.

2,028,283
CHLORINATION OF PHTHALIC ANHYDRIDE
Michael N. Dvornikoff, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 15, 1933, Serial No. 675,463
5 Claims. (Cl. 260—123)

1. A method of chlorinating phthalic anhydride which consists in introducing elemental chlorine into molten phthalic anhydride containing an iron salt of a non-oxidising, strong mineral acid as a chlorinating catalyst.

2,028,284
VAT DYESTUFFS OF THE ANTHRACENE SERIES
Wilhelm Eckert and Otto Braunsdorf, Frankfort-on-the-Main-Hoechst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 16, 1933, Serial No. 657,102. In Germany February 22, 1932
4 Claims. (Cl. 260—44)

1. The vat dyestuffs which are identical with the products obtainable by condensation of an aromatic ortho-diamino compound of the benzene series with an anthracene-tetracarboxylic acid of the general formula:



wherein one X represents a carboxylic group and the other X hydrogen.

2,028,255

METHOD OF MAKING HINGE LEAVES

James A. Eden, Jr., Springfield, Mass., assignor to Moore Drop Forging Company, Springfield, Mass., a corporation of Massachusetts

Continuation of application Serial No. No. 543,319, June 10, 1931. This application September 12, 1933, Serial No. 632,852

1 Claim. (Cl. 29—11)



The method of forming hinge pieces having a flat body with ears at one end and a hood extending around the space between said ears which comprises forming a plastic work piece into a strip having thickened longitudinal rib sections along each edge thereof, the width of said strip being approximately twice the length of said body, the thickness of said strip between said ribs being approximately the thickness of said body and the length of said strip being at least several times the width of said body, shearing said strip transversely to form slugs having a width substantially equal to the width of said body, compressing and extruding the thickened rib sections of said slug in male and female dies adapted to shape the said ribs into said ears and hood portions of said hinge piece and severing the flattened body part of the thus shaped slug into two separate hinge pieces.

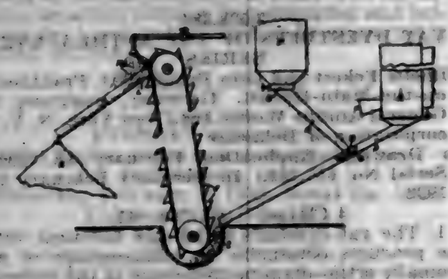
2,028,256

HIGH SILICA CEMENT

Frits A. B. Finkeldey, New York, N. Y.

Application January 24, 1934, Serial No. 708,071

5 Claims. (Cl. 106—25)



7. Improvements in the manufacture of cement which comprise mixing additional siliceous and calcareous materials with hot cement clinker as it comes from the clinkering kiln at a temperature ranging from about 700 to about 1060° C. and maintained in contact therewith for a time period to effect calcination of the calcareous material, the proportion of the added siliceous material being such as to equal up to about 24% of the combined materials when finished, and the calcareous material to yield an additional CaO content up to about 6% of the combined finished materials.

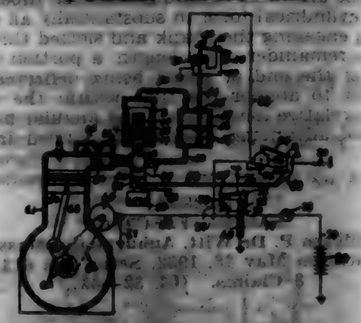
2,028,257

VALVE

Paris E. Forman, Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y., a corporation of West Virginia

Application June 7, 1932, Serial No. 616,433

9 Claims. (Cl. 121—163)



1. The combination with the intake manifold of an internal combustion engine, of an air inlet valve connected thereto through an aperture in the wall of the intake manifold, the inlet valve having a casing with an inlet opening and a seat therein, a movable valve member in the casing which when seated cuts off communication between the air inlet opening and the intake manifold, said member being lifted seated by the difference in pressure between the atmosphere and the pressure in the intake manifold, and a check valve mounted to close off the connection between the intake manifold and the valve casing when super-atmospheric pressure is present in the intake manifold.

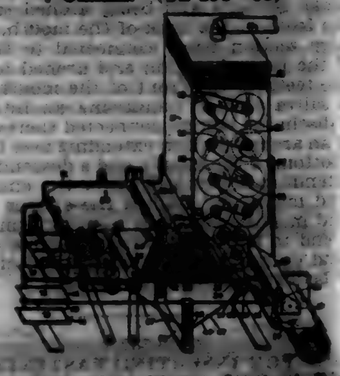
2,028,258

METHOD AND MACHINE FOR MAKING CUSHION PADS

August Gerard and George A. Gerard, Reading, Mass., assignors to Cotton-Wool Products, Inc., Reading, Mass., a corporation of Massachusetts

Original application January 16, 1930, Serial No. 422,022. Divided and this application October 10, 1932, Serial No. 637,940

7 Claims. (Cl. 154—33)



1. A method of making a laminated cushion pad which consists in laying on a continuous traveling sheet a layer of fibrous material in strips separated by spaces transverse to the direction of movement of the sheet, enclosing the separate portions of said layer between fabric sheets, cementing the sheets together in said spaces, and around the edges of the layer, and severing the sheet in said spaces.

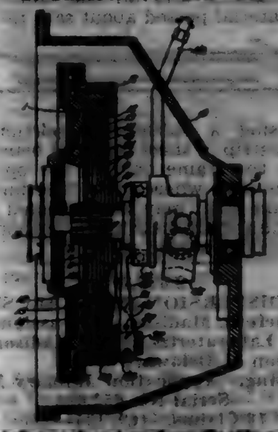
2,028,259

CLUTCH

George I. Goodwin, Detroit, Mich.

Application February 27, 1931, Serial No. 518,634

17 Claims. (Cl. 192—68)



1. A clutch mechanism for effecting driving engagement of a driven member relative to a driving member, comprising a pressure plate, levers thereon, abutment means therefor, said levers reacting directly against said driving member during the clutch disengaging action and directly against said abutment means during the clutch engaging action thereof.

2,028,260

METHOD OF PRODUCING THE ALKALI METALS

Miles G. Hanson, Flint, Mich.

Application September 29, 1933, Serial No. 691,491

4 Claims. (Cl. 75—17)



1. The process of producing lithium metal by the reduction of lithium oxide by metallic magnesium or aluminum, the reduction being carried out at a pressure below 6 mm. of mercury, and within a temperature range of 750-900 degrees centigrade, and the metal being recovered by condensation of the vapor on a cooled portion of the apparatus.

2,028,261

GARAGE

Henry Harnischfeger, Milwaukee, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application December 11, 1931, Serial No. 580,512

5 Claims. (Cl. 214—16.1)

1. A garage building having tiers of storage compartments and an elevator well adjacent the storage compartments, an elevator in the well, a transfer device mounted on the elevator and movable off of the elevator into the storage compartments and back from the storage compartments onto the elevator for transferring cars directly from the elevator to the storage compartments and from the storage compartments to the elevator, a motor for driving the transfer device and cooperating means on the transfer carriage



and elevator for preventing operation of the elevator at all times except when the transfer carriage is properly positioned thereon.

2,028,262

THREAD CLEARER

Samuel Hyslop, Newton, Mass.

Application December 8, 1934, Serial No. 754,636

4 Claims. (Cl. 28—63)



1. A thread clearer comprising a base member having means to secure it to a support; and a clearing plate member with a thread clearing slot, a fly-waste discharging pocket at its inner end, and an offset flanged portion at the inner end of the plate supporting the slotted member and secured to the base.

2,028,263

APPARATUS FOR FEEDING FUEL OIL TO BURNERS FOR BOILERS AND SIMILAR INSTALLATIONS

Jens C. Johnsen, Oakland, Calif.

Application December 15, 1934, Serial No. 757,712

5 Claims. (Cl. 137—78)



1. In an apparatus for feeding fuel oil, a multiple column stand-pipe comprising a base pro-

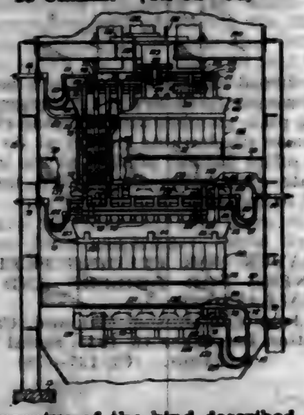
vided with an inlet chamber having an inlet opening, an outlet chamber having an outlet opening and an overflow chamber having an outlet opening, a supply conduit leading from said inlet chamber, a discharge conduit concentric with the first conduit and connected with the outlet chamber, an overflow conduit concentric with the other conduits and connected with the overflow chamber, said discharge conduit extending higher than the supply conduit but not so high as the overflow conduit, and means for venting said discharge conduit into said overflow conduit intermediate the ends of said discharge conduit.

2,028,394
AXLE
Lloyd D. Kay, San Marino, Calif., assignor to Kay-Brunner Steel Products Inc., a corporation
Application January 4, 1935, Serial No. 329
6 Claims. (Cl. 301—124)



1. An axle having a body with a longitudinal web, a spindle at the end of the body, said web having integral forks at its end integrally united to said spindle, the plane of said forks being substantially parallel with said web.

2,028,395
APPARATUS FOR DRYING SLUDGE
Lawrence M. Keoughan, Berwyn, Ill.
Application March 14, 1933, Serial No. 661,513
15 Claims. (Cl. 34—34)



1. In apparatus of the kind described, a tank, exhauster mechanism operable to maintain less than atmospheric pressure in the tank, a plurality of horizontally extending tubes positioned in the tank, said tubes being arranged in spaced apart vertical tiers, alternate rows of said tiers being stationary and the remaining tiers being movable, means operable to vertically reciprocate said movable tiers of tubes, means operable to deliver sludge into the tank above said tiers in a manner whereby the sludge is distributed between the uppermost tubes of said tiers, and means adapted to deliver steam into said tubes at selected pressures and corresponding temperatures.

2,028,396
CLOTH BOARD
Edward F. King, Cranston, R. I.
Application June 20, 1933, Serial No. 676,659
7 Claims. (Cl. 206—59)

4. A cloth board comprising a supporting frame having opposed tensioning rail members provided with resilient portions and a plurality of spacing members engaging said rail members, means for connecting the end portions of said rail members with portions of certain of said spacing members, and an end connected strip of sheet material passed about said rail members



and enclosing a substantial portion of said frame, said strip of sheet material being attached directly to the frame only at the opposite side edges of the strip whereby the intermediate portions of said strip may be subjected to a substantially uniformly distributed tension from the resilient portions of said rails.

2,028,397
RUBBER DISPERSION BY ALKALI SILICATES
Max H. Kliefoth, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis., a corporation of Delaware
No Drawing. Application January 25, 1933, Serial No. 653,256
13 Claims. (Cl. 134—17)

1. The method for dispersing rubber in a concentrated alkali silicate solution which comprises thoroughly mixing therewith less than 15 percent of rubber in the form of a rubber emulsion or suspension, and a silicofluoride which is slightly water soluble.

2,028,398
BELT CONNECTER
Edward H. Kramer, Dayton, Ohio, assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio, a corporation of Ohio
Application February 13, 1934, Serial No. 711,815
11 Claims. (Cl. 24—33)



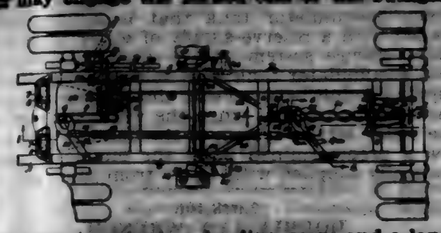
1. A belt connecter comprising clamping members having interlaced tongues with relatively-rocking paired pintle members therebetween, the tongues of one of said clamping members having inwardly projecting lugs on the inner surfaces thereof engaging the pintle member associated therewith, whereby to prevent the sliding-down of one pintle member relative to the other.

2,028,399
PLASTIC COMPOSITIONS AND METHOD OF MAKING THE SAME
Lucas P. Kyrides, Webster Groves, Mo., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application February 24, 1931, Serial No. 517,674
7 Claims. (Cl. 106—37)

1. A nitrocellulose composition embodying a neutral ester of a dicarboxylic acid containing a cyclohexylcyclohexanol residue in at least one ester group.

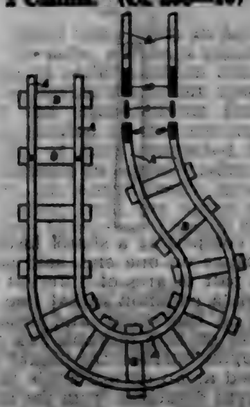
2,028,400
TRACTOR-TRAILER VEHICLE
Charles R. Land and William H. Wilson, Detroit, Mich.; said Land assignor to said Wilson
Application April 13, 1935, Serial No. 16,195
10 Claims. (Cl. 180—33)

1. In a tractor-trailer vehicle, a swinging lever arm forked at one end and pivoted to the trailer frame, adapted to receive a king-pin carried by the tractor, whereby upon backing the tractor into the trailer the king-pin carried by the tractor may engage the forked end of the swinging



lever arm to actuate a landing gear, and a landing gear carried by the trailer, adapted to support the latter when actuated through the operation of the swinging lever arm.

2,028,401
RAILWAY LINE
Mathew Ambrose Lord, Blackpool, England
Application October 9, 1933, Serial No. 692,813
In Great Britain October 22, 1932
2 Claims. (Cl. 238—10)

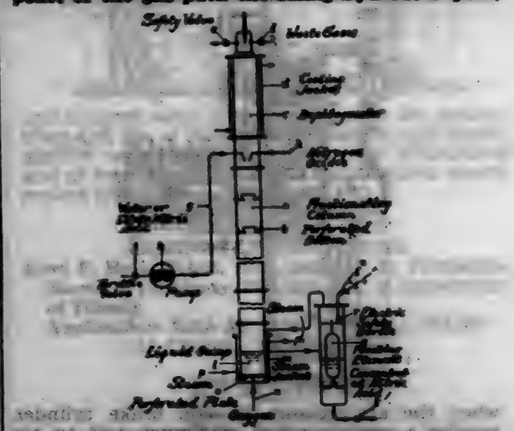


1. A railway track for toy, amusement or light railways comprising rails of rubber composition capable of assuming curvatures in a vertical plane and sleepers having grooves in which the rails are carried whereby by manipulation of the sleepers the rails are caused to slide in the grooves thereby enabling them to be positioned in any desired lateral curvature and retained in such position.

2,028,402
PROCESS FOR THE PRODUCTION OF CONCENTRATED NITRIC ACID
Emil Löscher, Basel, Switzerland, assignor to Lonza Elektrizitätswerke und Chemische Fabriken Aktiengesellschaft (Gampel), Basel, Switzerland
Application May 27, 1933, Serial No. 673,153
In Germany June 4, 1932
7 Claims. (Cl. 23—160)

1. Method of continuously producing concentrated nitric acid from water or dilute nitric acid, nitrogen oxides and oxygen at superatmospheric pressure which comprises bringing downwardly flowing liquid reaction components and reaction products in intimate contact with upwardly rising oxygen and with upwardly rising reaction products in the form of gases or vapors through a temperature gradient, said temperature gradient being obtained by heating

the acid accumulating at the lowest point of the path of the liquid enriched by the HNO_3 formed during its downward flow and containing an excess N_2O_4 to a temperature corresponding at the pressure used to the boiling temperature of an acid having the highest desired HNO_3 concentration and having a content of about 5 to 20% N_2O_4, and condensing by cooling at the highest point of the gas path the rising hydrous vapors,



whereby the reaction process is carried out in the form of a fractional distillation, the lower nitrogen oxides are continuously carried upwards and nitrogen tetroxide remains in such quantity in the liquid trickling downwards that fresh HNO_3 is constantly formed in said downwardly trickling liquid and the liquid nitric acid having the desired highest content of HNO_3 and a content of about 5 to 20% N_2O_4 is obtained at the lower end of its path and may be collected therefrom.

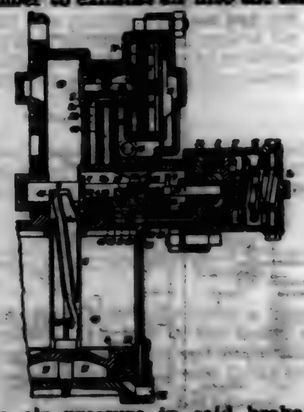
2,028,403
PLASTIC COMPOSITIONS OF MATTER
Joseph B. Marra, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 30, 1931, Serial No. 534,125
7 Claims. (Cl. 106—48)

1. A composition of matter comprising cellulose acetate admixed with a neutral ester of a carboxylic acid and an acetal of glycerol and acetaldehyde in an amount sufficient to plasticize the cellulose acetate.

2,028,404
RAILWAY BRAKE
Iwan Matrunoff, Leningrad, Union of Soviet Socialist Republics
Application December 21, 1929, Serial No. 505,843.
In Union of Soviet Socialist Republics June 25, 1929
14 Claims. (Cl. 303—59)

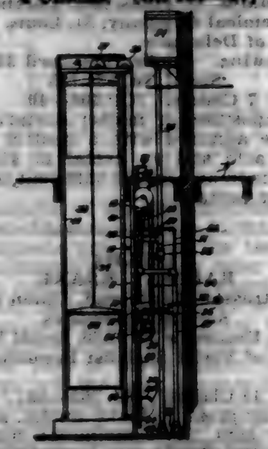
1. In an air pressure brake system, particularly for railway cars, the combination with a train pipe, of an air distributor comprising a casing having a working chamber, a passage in said casing connecting said working chamber with the train pipe in the release position of the brake system, a second passage connecting said working chamber with the brake cylinder and normally closed in said release position, means controlled by the compressed air in said train pipe for closing said first passage and opening said second passage when the air pressure in said

train pipe is decreased, a valve member controlling said second passage and adapted to feed air to said brake cylinder and exhaust the air therefrom, a main control piston in said working chamber acting upon said valve member to cause the same to feed air to said brake cylinder when the pressure in said train pipe decreases, an auxiliary valve member cooperating with said valve member to exhaust air into the atmosphere



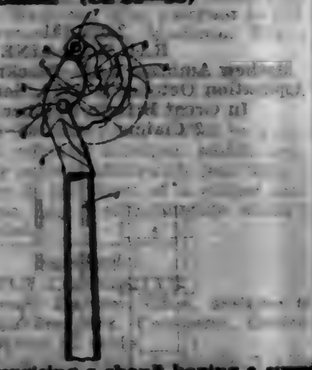
when the air pressure in said brake cylinder reaches a predetermined maximum, and an air reservoir adapted to be brought into communication with said working chamber when the latter is supplied with air from said train pipe, the air stored in said air reservoir being adapted to cause said main control piston to actuate said valve member and to force air into the said brake cylinder when the pressure in said train pipe decreases.

2,023,465
ELEVATOR APPARATUS
Martin B. McLenthlin, Malden, Mass.
Application May 14, 1932, Serial No. 611,299
4 Claims. (Cl. 187—17)



1. In a building, the combination with the gravity water service system thereof, of an elevator apparatus having, in combination, a vertically movable car; a hydraulic engine for operating said car disposed substantially below the level of the normal head of the water of said system so as to be operated thereby; a supply conduit through which water is delivered to said engine from the water service system of the building; valve means for controlling the passage of water to and from said engine and with which one end of said supply conduit is connected; a check valve in said supply conduit which closes toward said water system; an auxiliary emergency accumulator tank that is automatically loaded with a reserve supply of water from said water service system and a conduit connecting said accumulator tank with said first-mentioned supply conduit between said check valve and said valve means so that when the water pressure of the water service system of the building falls below a predetermined point the engine is automatically supplied with water from said tank.

2,023,496
DOUBLE JAW WRENCH
Homer A. Mead, Turlock, Calif., assignor to Masterneck Corporation, Turlock, Calif., a corporation
Application January 16, 1933, Serial No. 2,611
1 Claim. (Cl. 81—98)



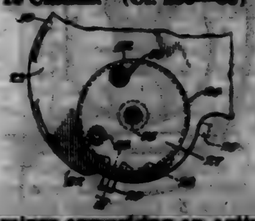
A wrench comprising a shank having a curved gripping surface on one end, said surface being formed of a pair of arcs of different radii whose centers lie on a common radial line, a swinging jaw pivoted on the shank and separate spaced gripping faces on said movable jaw to cooperate with the gripping surface, the planes of said faces being disposed at an obtuse angle to each other and at different distances from the gripping surface; the centers of curvature of said surface being so located that with the swinging of the movable jaw to any position both said faces will be substantially tangent at points intermediate their ends to strokes projected from the center of curvature of the corresponding portion of said gripping surface.

2,023,497
GEAR MECHANISM
René Joseph Louis Molineau, Paris, France
Application March 14, 1933, Serial No. 661,421
In France April 19, 1932
5 Claims. (Cl. 103—117)



1. A gear mechanism adapted for use as a pump, motor or the like comprising a casing, inlet and outlet conduits in said casing, a female helical gear element inside said casing and a male helical gear element located in this latter and always in contact therewith in any cross section, the number of threads of said female element exceeding by one unit the corresponding number of threads on the male element and one at least of said elements being deformable, thus ensuring a perfect tightness of the joints and providing for a closed tight axial space comprised between said male and female elements and wherein the fluid is contained, said space communicating with said outlet and inlet conduits, and driving means for the rotation of one of said gear elements.

2,023,498
FOOD MIXER
Edward Mross, Racine, Wis., assignor to Hamilton Beach Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application May 23, 1932, Serial No. 613,884
10 Claims. (Cl. 259—95)



1. A food mixer comprising an agitator, means for driving the same, a base, a support for holding the mixer in raised position relatively to the base, the base having a circular opening therein, a flange on the edge defining the opening, a shifter plate located in the opening, and comprising a pair of discs connected together and bearing marginally on opposite sides of the flange of the base, an eccentrically located bearing socket depending from the upper disc, and an actuating lever extending laterally from the lower disc.

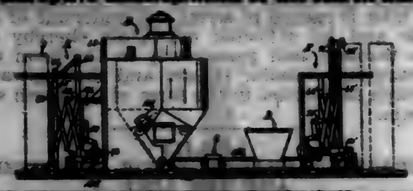
2,023,499
OIL WELL PUMPING APPARATUS
William F. Parker, Tulsa, Tex., assignor to Sinclair Prairie Oil Company, Tulsa, Okla., a corporation of Maine
Application July 26, 1934, Serial No. 737,886
7 Claims. (Cl. 74—822)



1. In a device of the character described, a driving member connected to a source of power, a driven member comprising a cross head arranged adjacent thereto, a rod line connected to said cross head to permit vertical movement of said rod line, a pivoted hook carried by said driven member and adapted to engage said driving member, and a pivoted plate adapted to be moved into the path of movement of said cross head to arrest its movement before the end of its stroke and cause said hook to disengage.

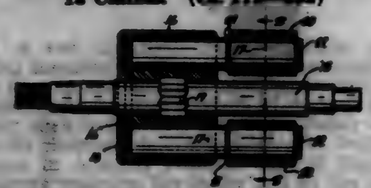
2,023,510
METHOD AND APPARATUS FOR HANDLING STARCH IN CONFECTIONERY MANUFACTURE
Edward D. Mastierdis, Agawam, Mass., assignor to National Equipment Company, Springfield, Mass., a corporation of Massachusetts
Application July 19, 1934, Serial No. 735,804
28 Claims. (Cl. 107—8)

28. A method of separating relatively heavier articles such as confections from a matrix of a relatively lighter material such as starch, which comprises subjecting the matrix progressively to the action of a portion of an air stream of sufficiently low pressure and high velocity to cause the disruptive disintegration of the starch matrix



and to carry away in suspension both the confections and the so disintegrated matrix, and subsequently segregating separately the confections and at least a portion of the disintegrated starch matrix from the air stream.

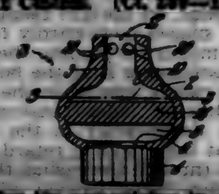
2,023,511
LAMINATED STRUCTURE
Curt F. Reis, Beloit, Wis., assignor to Fairbanks, Morse & Company, Chicago, Ill., a corporation of Illinois
Application June 25, 1934, Serial No. 732,296
13 Claims. (Cl. 171—252)



1. In a rotor for a magneto of the rotating field type, a shaft, a plurality of magnet bars, an assembly of laminations constituting pole shoes carried by the bars, the laminations being apertured, with the apertures receiving the ends of the bars, certain of the bar apertures each being extended in a direction away from the bar to form a slot.

7. A laminated pole shoe for assembly to bar magnets, consisting of a plurality of laminations each apertured so as substantially to surround at least a pair of the bars and characterized by a slit bridging at least a pair of the bar apertures.

2,023,512
BUBBLER TIP
Charles Reberge, Williamsburg, Mass.
Application March 20, 1935, Serial No. 11,999
2 Claims. (Cl. 299—18)

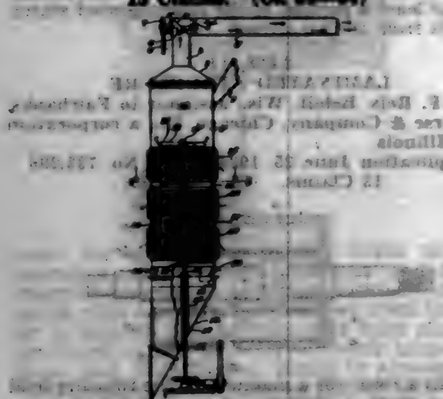


1. A bubbler tip comprising in combination, a body having a lower hub provided with an inlet opening therethrough and a side wall having inner sides which extend outwardly and upwardly from said hub and then inwardly and upwardly forming a relatively elongated outlet at the upper side of the bubbler and an enlarged chamber between said outlet and inlet of a diameter larger than said outlet, an imperforate disc-like baffle in said chamber below said outlet and above said inlet which is of less diameter than the chamber and having its edges spaced from said wall to provide a substantially ring-like water passageway between the edges of said baffle and said wall,

and a relatively narrow connecting member extending between the edge of said baffle and wall firmly holding the said baffle in the chamber at a distance above and below said inlet and outlet, all adapted and arranged whereby water entering the inlet is caused to strike the underside of said baffle and be deflected outwardly thereby and flow through said passageway in the form of a substantially tubular stream and then upwardly through said outlet in the form of a smooth solid stream.

2,028,413
AERATING APPARATUS FOR FERTILIZER AND THE LIKE

Augustus J. Seckett, Anne Arundel County, Md.
Application July 6, 1934, Serial No. 734,094
13 Claims. (Cl. 34—54)



1. The method of cooling and aerating comminuted fertilizer materials and the like after chemical combination thereof which consists in passing the comminuted solid materials in a continuous stream downwardly, successively retarding the downward passage of the comminuted solid by rotating and beating and tossing portions of the material upwardly and gathering the same into cyclonic form, introducing air in the direction of rotation and into the path of the comminuted solids and passing the air upwardly in the opposite direction to the passage of the comminuted solids, the time of passage of the solids and the amount and speed of the air draft being determined to give the desired degree of cooling and aeration.

3. In an apparatus for aerating and cooling comminuted solids, an upright casing having air inlet openings spaced downwardly from the top of the casing, means for feeding the material to the top and discharging it at the bottom, rotary beaters in said casing, spaced in the direction of its length and having blades transversely inclined forwardly and downwardly in the direction of rotation so that they tend to retard the passage of the material through the casing, the respective air inlet openings being located adjacent some of the respective beaters so that the beaters serve to draw the air inwardly and force it upwardly through the comminuted material in opposition to the general direction of motion of the same.

2,028,414
FLUID DISPLACEMENT DEVICE

Heinrich Schneider, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application May 19, 1933, Serial No. 671,529
7 Claims. (Cl. 230—141)

1. In combination in a compressor of the type noted, a case structure having a compression chamber of elliptical section, a chamber inlet port located centrally of one side of the chamber, a plate across the opposite side of the chamber, characterized by parallel, graduated discharge apertures, an inlet port in said case near one end of the elliptical chamber, means disposed across the last said port defining a plurality of parallel,



flat entering streams, a substantially curved passage formed in the case and connecting said ports, the passage extending along one end and one side of the chamber between said ports, and a baffle member extending within a portion of said curved passage substantially perpendicular to the entering streams and inwardly of the case ports.

2,028,415
FRUIT JAR HOLDER

Edward J. Schwartz, Wilkinsburg, Pa.
Application April 16, 1935, Serial No. 16,009
2 Claims. (Cl. 81—3)



1. A fruit jar holder comprising a base member of relatively light weight metal rubed to constitute a structural section having integral lugs for anchoring an end abutment thereon and having bent-over parallel portions forming ways for a movable clamp, a band of semi-circular form secured to said integral lugs and having a resilient liner thereon, a movable clamp disposed in the ways of the base member having clamping ears upstanding thereon constituting abutments that coact with the band to grippingly engage a jar or the like, and a lever having a fulcrum pin slidably mounted in said base member and having an eccentric portion for engaging the movable clamp, said lever being adjustable relative to the base to accommodate the clamp to different sized jars to be engaged thereby.

2,028,416
MANUFACTURE OF SULPHURIC ACID

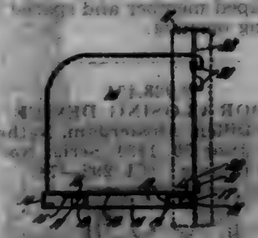
Charles Forbes Bixby, White Plains, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application May 4, 1933, Serial No. 669,291
2 Claims. (Cl. 23—175)



1. In the method of making sulphur trioxide by the roasting of sulphide ore and conversion of the sulphur dioxide produced to sulphur trioxide by the contact process in which method the sulphide ore falls in an uninterrupted drop through the roasting zone counter-current to a rising stream of air which supports the combustion of the sulphide ore, the improvement which comprises regulating the supply of air admitted to the roasting zone so that the concentration of free oxygen in the sulphur dioxide gas at the point of last contact with the ore is at least 5% and not more than about 8% and introducing the sulphide ore in the roasting zone containing at least 5% free oxygen and causing it to fall through said roasting zone from the said point of last contact through an active oxidation zone becoming gradually richer in oxygen in the direction of fall of the ore particles, whereby burning of the ore is promptly initiated upon introduction and substantially complete desulphurization of the ore is accomplished.

2,028,417
SHELF

John G. L. Shaw, Jamestown, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y.
Application May 18, 1932, Serial No. 612,432
7 Claims. (Cl. 211—115)



1. The combination of a shelf, a supporting bracket therefor having an integral hinge lug entering and shaped to turn in a slot in the shelf to permit the bracket to swing from a position substantially parallel with the shelf to a position substantially perpendicular to the shelf, said hinge lug being adapted to pass through said slot and having a notched end adapted by shifting the bracket relatively to the shelf to engage the adjacent edge of the slot to prevent withdrawal of the lug from the slot, and a retaining member on the structure arranged to prevent the bracket from being shifted to a position to disengage the notched end of said lug from the wall of the slot.

2,028,418
WELL CLEANOUT TOOL

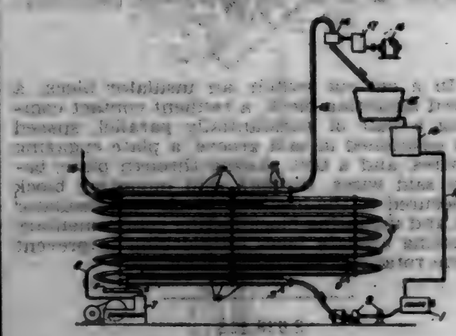
James C. Smith and James B. Taylor, Tulsa, Okla., assignors to Iverson Tool Company, Tulsa, Okla., a corporation of Oklahoma
Application May 15, 1934, Serial No. 725,164
13 Claims. (Cl. 166—19)



1. A well cleanout tool comprising an elongated member having a débris receiving chamber therein and adapted to receive and trap fluid under pressure, the lower end of said chamber being open to the well, a piston slidably mounted in said chamber, latching means for holding said piston in lowered position against fluid under pressure entering the lower end of the chamber and releasing means whereby said latching means will be released when the cleanout tool contacts the bottom of a well, whereby said piston may move upward under a hydrostatic pressure against atmospheric pressure within the chamber for a débris intaking operation.

2,028,419
APPARATUS FOR THE CONTINUOUS TREATMENT OF FIBROUS MATERIALS

Luke H. Sperry, Hopewell City, Va., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application May 21, 1934, Serial No. 726,300
4 Claims. (Cl. 92—7)



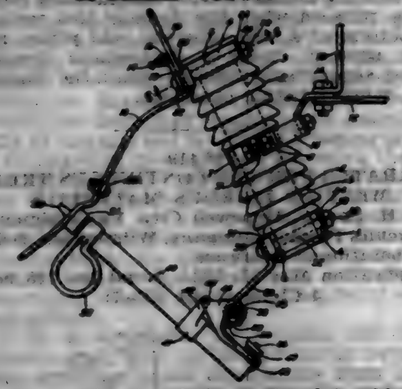
1. In apparatus for the continuous treatment of fibrous material comprising a treating chamber and means for passing a liquid suspension of fibrous material through said chamber; means for regulating the discharge of said suspension of fibrous material from said chamber, said means comprising a valve chamber having inlet

and outlet ports and means positioned in said chamber preventing at all times direct communication between said ports, said means comprising a rotor and vanes mounted thereon to give a running fit with the walls of said valve chamber and being adapted upon rotation to permit portions of said suspension entrapped between said vanes to pass from the inlet port to the outlet port, the edges of said vanes and said valve chamber walls being adapted to sever any fibrous material caught between them during rotation.

2,028,420
ARSENATE CEMENT OR CEMENT MIXTURE
Johan Bertil Stalhane, Stockholm, Sweden, assignor to Boliden Gruvaktiebolag, Stockholm, Sweden, a limited joint-stock company of Sweden
No Drawing. Application February 25, 1935, Serial No. 8,679. In Sweden January 13, 1934
4 Claims. (Cl. 106—24)

1. A cement mixture containing a calcium arsenate with a composition corresponding to one of the following: meta-arsenate ($CaO \cdot As_2O_5$) or pyroarsenate ($2CaO \cdot As_2O_5$), together with one of the following: lime, calcium silicate, Portland cement, aluminate cement.

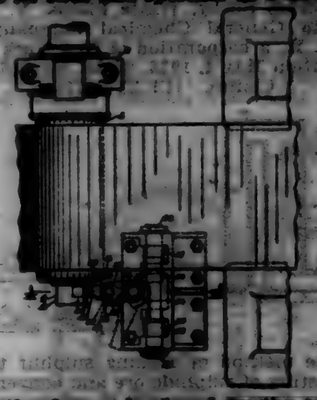
2,028,421
SINGLE INSULATOR FUSE MOUNTING
Alwin G. Stichmayer, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application June 9, 1934, Serial No. 729,985
13 Claims. (Cl. 200—123)



8. In a cut-out switch, an insulator block, a grooved mounting block, a resilient contact comprising a pair of substantially parallel, spaced wires positioned in said groove, a plate engaging the wires, and a bolt passing through plate, between said wires, through said mounting block and secured to the insulator block, said insulator block and mounting block having complementary contacting arcuate faces interlocking to prevent relative rotation.

2,028,422
REEL
Howard H. Talbot, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 12, 1934, Serial No. 757,154
13 Claims. (Cl. 242—78)

1. The combination with a cantilever type reel of a removable brace for the outboard end thereof which is provided with a hinged joint intermediate its ends and operable in a direction opposing the forces developed by the pull of the material being coiled on the reel.



2,028,423
NONSEPARABLE FASTENER
Gilbert R. Upham, Channahon, Pa., assignor to The De Long Hook and Eye Company, a corporation of Pennsylvania
Application December 3, 1932, Serial No. 646,473
8 Claims. (Cl. 292—307)



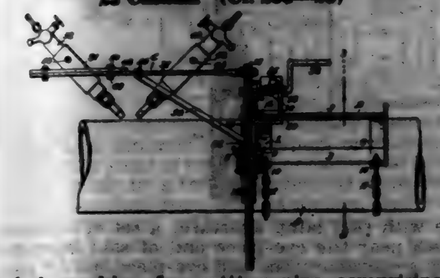
1. A socket member for a non-separable fastener comprising a dome-shaped member having a substantially flat marginal portion thereon, a plate dished substantially throughout its extent toward said dome-shaped member and having a transversely bent marginal flange the free edge of which is reversely bent into engagement with said flat marginal portion to secure said plate and said dome-shaped member together, and a plurality of resilient tongues formed on said plate and extending toward the center thereof with the free ends inclined outwardly toward said dome-shaped member and spaced to form a shank receiving opening.

2,028,424
DOOR-CLOSING DEVICE
Albert van Dillen, Amsterdam, Netherlands
Application June 20, 1934, Serial No. 731,218
3 Claims. (Cl. 292—73)



1. A closing device of the character described for double-swing doors, comprising a double-armed, forked lever mounted on the door frame in position to be swept by the free edge of the door, spring means tending to urge the lever into a central position except when the lever occupies a given position of obliquity in either direction, and a coupling member on the door normally engaging in the fork of said lever and adapted to leave and re-enter the fork after the lever has been turned by the door into one of its oblique positions.

2,028,425
METHOD AND APPARATUS FOR CUTTING METALS
Noah E. Wagner, Tulsa, Okla., assignor to The Linde Air Products Company, a corporation of Ohio
Application September 4, 1925, Serial No. 54,549
Renewed May 23, 1934
23 Claims. (Cl. 266—23)



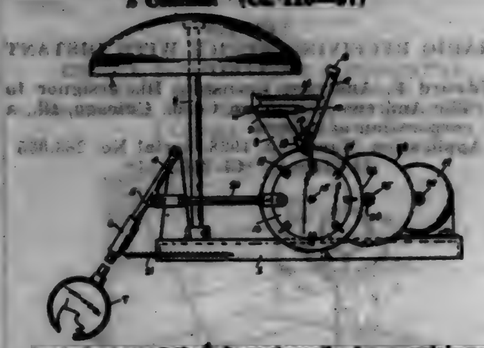
1. A machine for cutting pipe comprising a member rotatably mounted relative to the pipe, an arm connected to and rotatable with the member, cutting torches carried by the arm, one of the torches being adjustable relative to the other, and means for rotating the member and revolving the torches around the pipe.

2,028,426
BED DAVENPORT
William E. Wunderlich, Muncie, Ind., assignor to The Moore Company, Muncie, Ind., a corporation of Indiana
Application February 12, 1934, Serial No. 710,536
4 Claims. (Cl. 5—67)



1. A bed davenport, comprising a base, a back-frame, a seat-frame, means pivotally interconnecting said back-frame and seat-frame, means guiding said back-frame for movement between a generally vertical position at the rear of said base and a horizontal position, a link pivotally connected to said seat-frame near the rear thereof, a pair of spaced abutments on said link, an abutment on said back-frame normally receivable between the pair of abutments on said link to hold the seat-frame and back-frame in predetermined angular relationship, and means carried by said seat-frame for controlling said link, said means including an operating member normally positioned to permit engagement of the link-abutments with the abutment on said back-frame, said operating member being movable from its normal position to swing said link to disassociate the abutments thereon from the abutment on the back-frame and thereby to permit the back-frame and seat-frame to be swung into substantially co-planar relationship, and co-operating provisions on said link and back-frame for restoring said operating member to its normal position as said back-frame and seat-frame are swung into co-planar relationship.

2,028,427
SAFETY SIGNAL
Emil Zlendara, Green Bay, Wis.
Application November 2, 1934, Serial No. 751,339
2 Claims. (Cl. 116—67)



1. A device of the class described comprising a platform, an upright carried thereby, a bell supported at the upper end of the upright, a second upright on the platform, a hammer pivotally supported thereby, a spring for moving the hammer against the bell, a bumper for the hammer, a spring-actuated dog at the lower end of the hammer, a wheel rotatably supported by the platform and having projections for engaging the dog for operating the hammer, and means for rotating the wheel.

2,028,428
FLASHLIGHT DEVICE
Clement Albers, San Francisco, Calif.
Application March 27, 1933, Serial No. 662,864
3 Claims. (Cl. 67—23)



3. Apparatus of the kind described comprising a battery casing having a globe socket therein,

a tubular member having switch means therein, the said switch means being electrically connected to the socket, a spring pressed plunger in the tubular member, the said plunger being adapted to temporarily hold the switch means in an open position when the plunger is in a cocked position with the spring contracted, a second tubular member, a spring pressed plunger located in the second tubular member, trigger means for holding the second mentioned plunger in a cocked position with its associated spring compressed, cable release operating means adapted to be actuated by the second mentioned plunger when the latter is actuated by its spring, and means carried by the first mentioned plunger for releasing the trigger means, whereby the second mentioned plunger may be actuated by its associated spring to operate the cable release operating means.

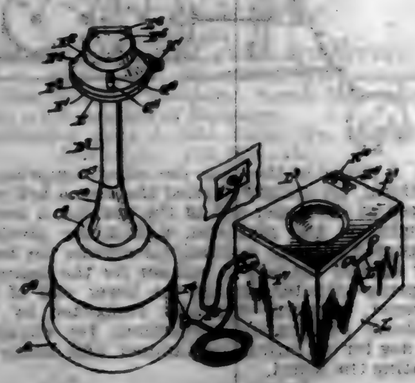
2,028,429

RADIO RECEIVING DEVICE WITH DISTANT CONTROL

Edward F. Andrews, Evanston, Ill., assignor to The Andrews-Hammond Corp., Chicago, Ill., a corporation of Illinois

Application March 20, 1933, Serial No. 661,065

18 Claims. (Cl. 250—14)



3. A radio receiving set comprising two relatively movable assemblies, thermionic tube means for amplifying and detecting signal current and, tuning mechanism in one assembly, and one or more audio frequency tubes in the other assembly, a single flexible cable extending to the first said assembly, said cable including a pair of alternating current power wires for furnishing filament power to said thermionic tube means and a conductor for conveying amplified detected currents from the first said assembly to the assembly containing one or more audio frequency tubes and a ground conductor and an antenna conductor, means associated with the last said assembly for connecting the ground conductor and antenna conductor to an external ground and to an external antenna respectively, and means to prevent amplified radio frequency currents from entering upon any conductor of said cable.

2,028,430

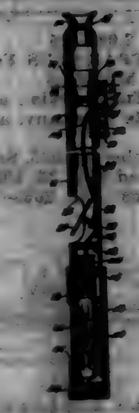
OIL TANK INSPECTION DEVICE

William A. Badderf and Roy E. Deimler, Harrisburg, Pa.

Application January 16, 1934, Serial No. 706,902

6 Claims. (Cl. 88—71)

1. An inspection implement for oil tanks and other interiors comprising: an elongated tube of small diameter adapted for insertion for a substantial part of its length through a small orifice into the enclosure to be inspected; an eye-piece at one end of said tube; a lamp enclosed in a compartment of said tube having a lateral aperture for emission of a beam of light; a reflector pivoted within said tube adjacent an aperture in



line with said lamp aperture; a set of telescopic lenses near the eye-piece end of said tube; and means operable from said eye-piece end for positioning said reflector at different angles, said means comprising connections which extend from said eye-piece end through said tube and engage said reflector.

2,028,431

METHOD OF COMPRESSING COMPRESSIBLE MATERIAL INTO A SOLID PACK

William R. Barber, Camas, Wash., assignor to Crown Willamette Paper Company, San Francisco, Calif., a corporation of Delaware

Application December 20, 1933, Serial No. 703,231

1 Claim. (Cl. 100—14)



In the method of compressing into a solid pack, by the aid of a press box, a package comprising a paper bag holding compressible material, the improvement which consists in preforming the walls of the paper bag, before filling and insertion of the package into the press box, with ridges and depressions extending transversely of the line of compression, force applied to the pack whereby the continuity of the surfaces of the walls of the paper bag opposed to the side walls of the press box will be broken and only a reduced portion of the paper bag surface will be brought into direct contact with the walls of the press box, facilitating the movement of the walls of the paper bag against the walls of the press box during the compression of the pack, and whereby the depressions furthermore will hold entrapped air thus aiding in the separation of a substantial portion of the walls of the paper bag from the walls of the press box.

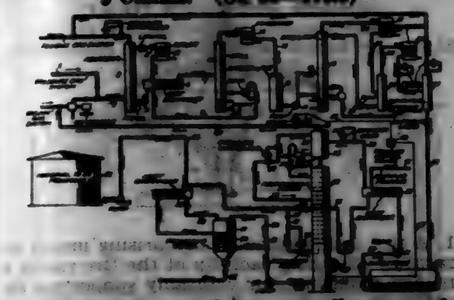
2,028,432

COMBINED RECTIFICATION AND REFRIGERATION PROCESS

Paul D. Barton, Scarsdale, N. Y., assignor to Alco Products Incorporated, New York, N. Y., a corporation of Delaware

Application March 19, 1934, Serial No. 716,281

5 Claims. (Cl. 62—175.5)



1. A process for rectifying normally gaseous hydrocarbons obtained from refinery operations including the steps of expanding compressed hydrocarbon fluids in a vertical condensing zone, introducing the fluid from said expansion step into a rectification zone, withdrawing a selected fraction from said rectification zone, supplying heat to the withdrawn fraction from a material being refrigerated and subsequently passing a portion of the thus heated hydrocarbon fraction into the rectification zone.

2,028,433

SHAKER CONVEYER

Ernst R. Bergmann, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application March 5, 1934, Serial No. 714,940

9 Claims. (Cl. 198—219)



1. A universal swivel for a shaker conveyer trough line including a trough section, another trough section adapted to discharge into said first-mentioned trough section, and a connection between said trough sections permitting said second-mentioned trough section to pivot about a vertical axis, a horizontal axis disposed forwardly of said vertical axis and transversely of said second-mentioned trough section, and a longitudinal axis pivotally movable about said transverse axis and disposed forwardly of and perpendicular to said transverse axis.

2,028,434

DEVICE FOR EFFECTIVELY DISSIPATING HEAT FROM MACHINE PARTS

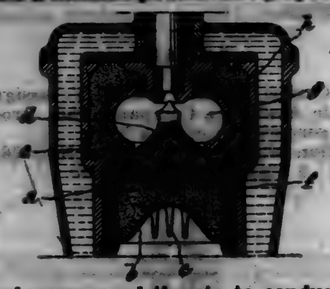
Auguste Louis René Bernard, deceased, late of Rueil-Malmaison, France, by Renée Bernard, née Bourmenville, executrix, Paris, France

Application December 17, 1934, Serial No. 757,878

In Belgium December 21, 1933

4 Claims. (Cl. 192—176)

3. A piston comprising in combination at least two parts made of materials having different respective coefficients of expansion and contacting one another, portions of the faces of said parts adjacent the joints between them constituting at least a portion of the walls of a closed chamber, and a metallic powder filling up said chamber and compressed therein to conduct heat off from said parts and to tighten the joints between them.



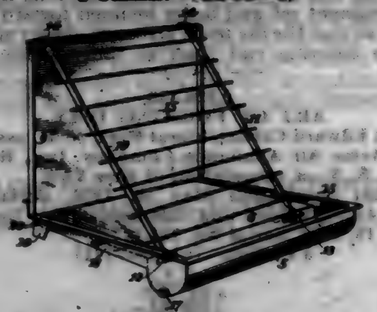
2,028,435

DEVICE FOR GLAZING DOUGHNUTS

Pearl B. Burns, Mentone, Ind.

Application June 19, 1935, Serial No. 27,249

2 Claims. (Cl. 91—4)



1. In a doughnut glazer, a trough having a rearwardly extending inclined drain, a back plate detachably connected to the said drain, racks supported in an inclined position with respect to the drain and the said trough, said racks having rod-retaining seats and rods adapted to receive doughnuts applied to said racks.

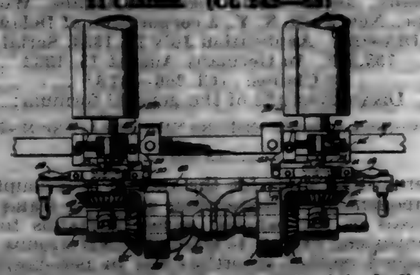
2,028,436

JIG FOR TREATING MATERIAL

George H. Cady, Providence, R. I., assignor to United States Finishing Company, Providence, R. I., a corporation of Connecticut

Application March 7, 1935, Serial No. 9,617

11 Claims. (Cl. 249—53)



1. A jigger of the class described including a beam roll shaft, a driven member normally rotatable on said shaft, a driving member arranged to be operatively connected to the driven member, means for operatively connecting the driven member to said shaft, means operatively con-

necting the driving member to the driven member, and means for preventing release of the driven member from said shaft when the latter is being driven.

2,028,427
DIE
Albert E. Carlin, Floral Park, N. Y., assignor to Acme Air Appliance Company, Inc., Brooklyn, N. Y., a corporation of New York
Application May 18, 1934, Serial No. 726,416
5 Claims. (Cl. 76—118)



1. A die comprising a cylindrical tube having notches opening at one end and leaving die sections, the walls of the tube and sections being of substantially uniform thickness throughout those portions where the sections appear, the sections being formed with die teeth converging toward the entering end of the die and the sections having a permanent set and being inclined toward each other so that the die teeth are more closely spaced at the entering end than at the opposite end.

2,028,428
ART OF FORMING DIES
Albert Edward Carlin, Floral Park, N. Y., assignor to Acme Air Appliance Company, Inc., Brooklyn, N. Y., a corporation of New York
Original application May 18, 1934, Serial No. 726,416. Divided and this application November 16, 1934, Serial No. 753,462
5 Claims. (Cl. 76—101)



1. In the art of forming a die, forming projections on a tube and forming die teeth on the projections, bending and twisting the projections to provide clearance, and then hardening the projections.

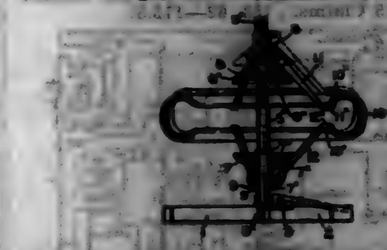
2,028,429
DISAZODYESTUFFS
Heinrich Clingestein, Cologne-on-the-Rhine, and Hans Rees and Carl Hentzner, Leverkusen, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 18, 1934, Serial No. 735,540. In Germany August 18, 1933
5 Claims. (Cl. 260—44.4)

1. Disazodyestuffs of the general formula:

Py—N=N—Ar—CO—NH—R—NH—CO—Ar—N=N—R'

wherein Py stands for the radical of a coupling component of the pyrazolone series, Ar stand for radicals of the benzene series, R stands for a naphthylene radical to which the NH-groups are attached neither in ortho- nor in peri-position to each other, R' stands for the radical of a yellow component suitable for preparing azodyestuffs, and n stands for one of the numbers one and two, dyeing the cellulosic fibre generally yellow to orange shades of good fastness properties.

2,028,440
TIRE SPREADER
William Henry Dalrymple, Brownfield, Ontario, Canada
Application September 28, 1935, Serial No. 42,190
In Canada May 8, 1935
4 Claims. (Cl. 154—9)



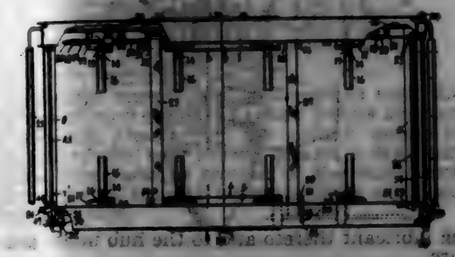
1. A tire casing spreader comprising means for separately engaging each lip of the tire casing, a threaded mounting for rotatably supporting the lip engaging means, and means operated by the thread of the mounting for automatically carrying the lip engaging means and lips apart as the tire is rotated around the mounting.

2,028,441
CLUTCH RELEASE FOR PORTABLE ELECTRIC WRENCHES
Alonzo G. Decker, Baltimore, Md., assignor to The Black & Decker Manufacturing Company, a corporation of Maryland
Application July 14, 1933, Serial No. 680,444
11 Claims. (Cl. 81—54)



1. The combination in a portable power driven manually controlled rotary tool having a source of power and a spindle with means for securing a socket wrench or screw driver thereto, to operate the same and means for transmitting rotary motion from said source to said spindle including an overload release with engaging means operable transversely to the axis of rotation of the spindle, and resilient means tending to hold said release in engaged position providing a definite positive driving connection up to a predetermined torque to be overcome and released when resistance at the tool equal to said torque is encountered, the spindle being mounted to shift in the direction of its axis, and a resilient member tending to advance the spindle in the direction of its axis and to be overcome by the pressure of the tool against the work, and retaining means operable by the motion of the spindle as it is advanced by said spring tending to release the spindle from said transmitting means so that the spindle remains stationary or may be rotated by hand to position for engagement with the work.

2,028,442
LOAD HANDLING DEVICE
Jay R. Dorman, St. Joseph, Mich.
Application August 11, 1933, Serial No. 684,667
12 Claims. (Cl. 87—32)



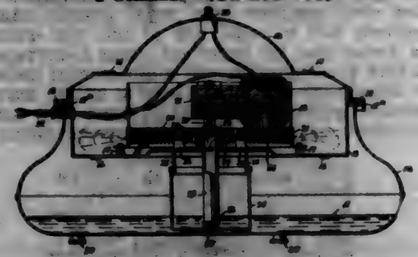
12. In a device of the class described, the combination of a frame, load supports pivoted to opposite sides of the frame for swinging movement in a common plane, actuators for collapsing said supports alongside of the opposite sides of the frame, and a unitary control for said actuators.

2,028,443
MOLD APPARATUS
Jay R. Dorman, St. Joseph, Mich.
Application August 11, 1933, Serial No. 684,668
4 Claims. (Cl. 25—111)



1. A mold comprising in combination side members of angle section arranged in rectangular end-to-side relation with their side walls vertical and their flanges projecting outwardly from the bottom edge of the side walls, the flanges having a series of holes near the outer ends of the side members, a bracket on the flange near the inner end of each side member and having a loop of inverted U-shape receiving the side wall of the adjacent side member and terminating in an end portion overlapping the flange of said adjacent side member and provided with a hole for registration with a selected one of the holes in the flange, a bolt arranged through each pair of registering holes for connecting the end portion of each bracket to its flange, a vertical supporting screw threaded to the flange near the outer end of each side member and having a handle at its upper end for adjusting the screw to change the vertical position of the mold, and a longitudinally and transversely adjustable mold bottom member consisting of four corrugated sections arranged in overlapping relation with the corrugations of the overlapping parts in registration.

2,028,444
HUMIDIFIER
William Feldermann, South Orange, N. J.
Application September 1, 1934, Serial No. 742,514
4 Claims. (Cl. 261—81)



1. A humidifier including in combination a container body, a support associated therewith, a motor mounted on said support with its axis in a vertical plane, a pump member coupled to said motor and extending downwardly therefrom, a disk secured to the upper end of said pump member and disposed in a horizontal plane, said disk being provided with an annular depressed ring portion adjacent its point of contact with said pump member and a passageway leading from the interior of said pump member to said ring portion, and a screen member secured to the upper surface of said disk and covering said annular ring portion thereof.

2,028,445
BRAKE FOR FOOT STEERED VEHICLES
Louis Geiberman, Yonkers, N. Y.
Application April 22, 1935, Serial No. 17,511
3 Claims. (Cl. 188—20)

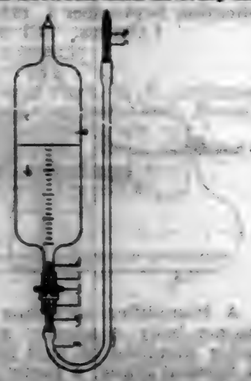


1. A brake for foot steered vehicles comprising a body, a front steering wheel swivelly mounted thereon and having a shank with straight sides, a transverse steering foot bar having a longitudinal opening engaging the straight sides of said shank for pivoting said shank in various longitudinal positions thereof, said transverse steering foot bar having a portion with a transverse opening, a rod slidably mounted on said body and having a portion engaging said transverse opening for unitary longitudinal motion with said transverse steering foot bar, a wheel for the body, and a brake associated therewith and having an operating arm connected with another portion of said rod.

2,028,446
APPARATUS FOR EFFECTING HYPODERMIC INJECTIONS
Felix Serrano Gallo, Gabriel Old Rodriguez, and Rafael Suárez de Deza Segata, Madrid, Spain
Application September 5, 1934, Serial No. 742,796
In Spain September 18, 1933
9 Claims. (Cl. 128—215)

1. A hypodermic injection apparatus comprising a container for liquid, a capillary tube forming an outlet from said container, a delivery

member having a passage therein for liquid discharging through said capillary tube, and a resilient closing means between said delivery mem-



ber and said capillary tube and means for adjusting said closing means toward and away from said capillary tube and maintaining it in adjusted position.

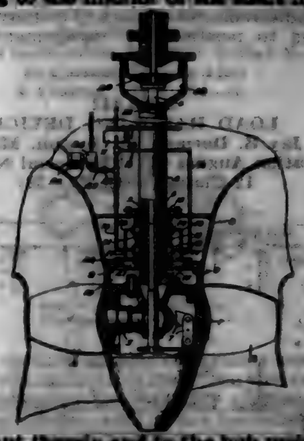
2,028,447
WELL POINT
Timothy G. Griffin, Yonkers, N. Y.
Application February 8, 1935, Serial No. 5,644
4 Claims. (Cl. 166—5)



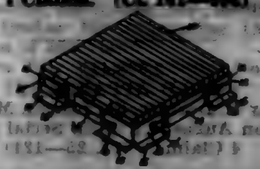
1. In a well point, a conical nozzle having a solid longitudinal center column and a plurality of longitudinal passages surrounding and parallel to said center column, the lower end portion of said nozzle including said passages as grooves; said grooves being throughout of the same width as that of said passages and having parallel inturned overhanging edge portions to thereby adapt the same to retain streams of water under pressure against scattering and to deliver said streams of water in solid formation immediately in advance of the lower end of said nozzle.

2,028,448
HYDRAULIC TURBINE
Leroy F. Harza, Ravinia, Ill.
Application April 8, 1935, Serial No. 14,415
7 Claims. (Cl. 253—160)

1. In a hydraulic turbine having a hollow hub and a hollow turbine shaft communicating therewith, a bearing for the shaft adjacent the hub, means for feeding a lubricant to the bearing under pressure, and a transfer opening from the bearing to the interior of the shaft for feeding lubricant thereto and to the hub under pressure.



2,028,449
TYPE FORM TIE
William F. Heinrich, North Bergen, N. J.
Application August 27, 1934, Serial No. 741,355
7 Claims. (Cl. 161—404)

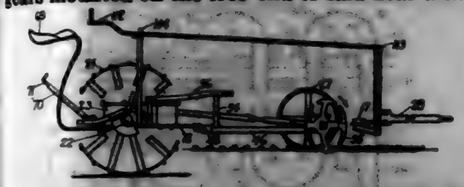


1. A type form tie, comprising a right angle member adapted to engage on one corner of the form, a string for engaging around the form, means for attaching the ends of the string on the arms of said angle member, whereby one end of the string may first be attached on one arm, then the string extended around the form, and finally the other end of the string attached upon the other arm, and flanges projecting at right angles from the bottoms of said arms for preventing said string from slipping beneath the type form.

2,028,450
PLANT THINNING IMPLEMENT
Albert Hilyard, Salinas, Calif.
Application November 8, 1934, Serial No. 751,170
8 Claims. (Cl. 97—14)

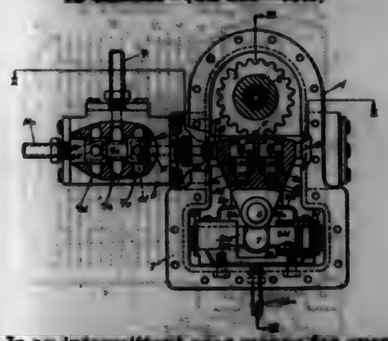
1. In an implement adapted to thin a double row of plants growing on a narrow mounded bed, a structural frame, a main axle journaled on the frame and carrying a pair of drive wheels, a driver fast to the axle intermediate said wheels, a pair of normally parallel forwardly-extended arms hingedly connected with a rearward portion of the frame and adapted for limited vertical movement of their respective free ends, said arms being disposed one on each side of the longitudinal axis of the frame, a pair of intermeshed gears mounted on the free end of the far arm, a pair of intermeshed gears mounted on the free end of the near arm, each pair of gears being adapted to revolve a rotary cutter; a train of gearing operably engaging said driver, one actuator of said train being adapted and arranged to distribute rotary power from the far side of said axis, and another actuator of said train

being adapted to distribute rotary power from the near side of said axis, a revoluble member driven by the far actuator and operably connected to drive said gears mounted on the free end of said far arm, a revoluble member driven by the near actuator and operably connected to drive said gears mounted on the free end of said near arm;



a supporting wheel operably connected with the free end of each said arm, crank means adapted to raise said wheels from the ground, means to lock and release said raising means, a draw-bar carried by a forward portion of the frame and adapted for its support when traveling with said wheels elevated.

2,028,451
AUXILIARY HYDRAULIC STEERING MECHANISM
Edwin T. Hodge and George F. McDougall, Portland, Oreg.; said McDougall assignor to said Hodge
Original application April 30, 1926, Serial No. 723,218. Divided and this application October 29, 1934, Serial No. 749,348
12 Claims. (Cl. 180—79.2)



1. In an intermittent gear means for operation of a valve, a revoluble pinion, an intermittent gear adapted to mesh with said pinion and having a tooth thereon, movable plungers abutting said tooth to cushion ratcheting offset of the tooth and pinion and hydraulic motors adapted to remesh the intermittent gear with the pinion.

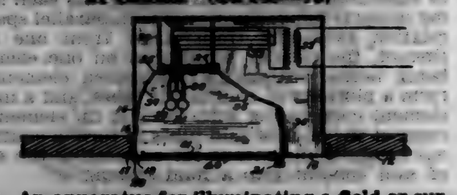
2,028,452
STOP WATCH
Henri Hefer, Geneva, Switzerland, assignor to firm Fabrique D'Ebauches Venus S. A., Moutier, Switzerland
Application December 28, 1934, Serial No. 759,505
In Switzerland January 25, 1934
2 Claims. (Cl. 58—76)

1. A spring driven stop watch having a chronograph wheel, a counter wheel indicating the number of revolutions of the chronograph wheel, a driving finger rigid with the chronograph wheel, an intermediate wheel meshing with said counter wheel and actuated by said driving finger, a wheelwork transmitting movement from the driving spring to the chronograph wheel, one of the wheels of said wheelwork being movable into and out of engagement with the chronograph wheel, a rocking lever carrying said intermediate wheel, a fulcrumed arbor carrying said movable wheel of the wheelwork and having one end journaled in said rocking lever, said rocking lever being movable into one or the other of two positions, an apertured plate traversed by said arbor and disposed intermediate the rocking lever and the fulcrum of the arbor, a collar on said arbor coacting with said plate for preventing substantial axial movement of the arbor but permitting



transverse movement thereof, a pillar wheel coacting with said rocking lever, and means for imparting a step by step movement to said pillar wheel to move said rocking lever into one or the other of its two positions, whereby in one position of the lever said movable wheel engages the chronograph wheel and said intermediate wheel projects into the path of said driving finger, whilst in the other position said movable wheel and said intermediate wheel are removed from the chronograph wheel and from the driving finger, respectively.

2,028,453
ILLUMINATING APPARATUS
Herbert Hoffman, Jackson Heights, N. Y.
Application October 25, 1930, Serial No. 491,170
21 Claims. (Cl. 240—78)



1. An apparatus for illuminating a field or surface by oblique projection from an offset position, comprising, the combination of a plurality of longitudinally elongated continuous illuminable tubes providing a light source substantially parallel to the field to be illuminated, at the offset position, said tubes being of a length corresponding substantially to that of said field, a longitudinally elongated prism plate having the prisms thereof disposed throughout one face thereof, arranged in parallelism and extending longitudinally of such face, said plate positioned between said tubes and the field, one or more non-flat longitudinally elongated asymmetric reflectors behind and arranged to distribute reflected light to the prism plate, said elements so combined and arranged as to distribute the obliquely projected light to afford substantially uniform illumination of the field in both longitudinal and transverse directions, and a slidable carriage for suspending and bodily adjusting simultaneously said tubes

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2,028,454
BATHTUB COVER
Audrey M. Johnson, St. Joseph, Mo.
Application November 21, 1934, Serial No. 754,115
2 Claims. (Cl. 4—173)

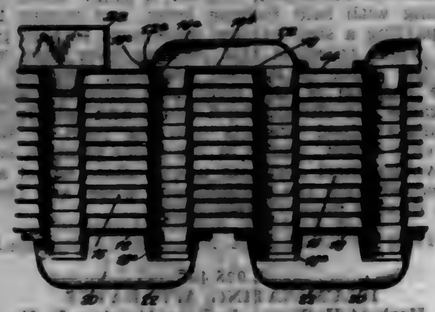
1. A bathtub cover comprising a sheet, a hem along the entire edge of the sheet, elastic strips

in the hem at the end portions of the sheet, and inelastic tapes in the hem at the side portions



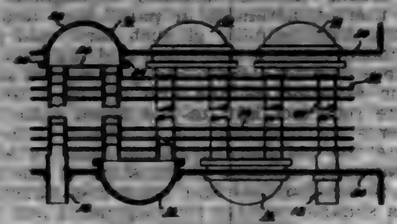
of the sheet, the ends of the tapes being attached to the ends of the strips.

2,028,435
HEADER CONSTRUCTION
John Karmazin, Huntington, Ind., assignor to Karmazin Engineering Company, a corporation of Michigan
Application November 14, 1933, Serial No. 697,956
15 Claims. (Cl. 257—148)



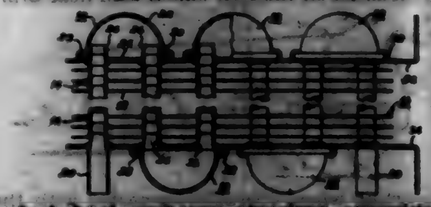
5. A heat exchange unit comprising a plurality of superposed sheet metal fin elements each having integral tubular projections in parallel spaced relation extending transversely from one side thereof, the tubular projections on one element being nested within the juxtaposed element to form a plurality of continuous tubes, and a metal element cooperating with the end fin element to connect the ends of said tubes to form a continuous conduit, and means for connecting the ends of said conduit into a fluid system.

2,028,436
REFRIGERATING APPARATUS
John Karmazin, Huntington, Ind., assignor to Karmazin Engineering Company, a corporation of Michigan
Application May 7, 1935, Serial No. 20,262
4 Claims. (Cl. 257—256)



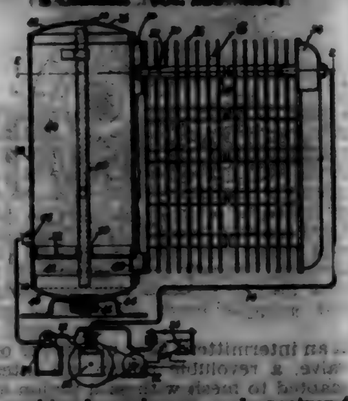
1. A header for a heat exchange device which includes a plurality of parallel tubes comprising a trough-like stamping having a flange extending around the open side thereof, a closure plate extending across the open side of the stamping and in crimped engagement with said flange, said closure plate having a plurality of openings therein having tubular walls for telescopically engaging a plurality of said parallel tubes.

2,028,437
REFRIGERATING APPARATUS
John Karmazin, Huntington, Ind., assignor to Karmazin Engineering Company, a corporation of Michigan
Application May 7, 1935, Serial No. 20,263
4 Claims. (Cl. 257—256)



1. A heat exchange structure comprising in combination means forming a plurality of parallel tubes and transverse fins, return bends connecting the ends of adjacent tubes, said return bends including a flatter member in the general form of a half cylinder, and a supporting frame for said structure comprising a plate extending adjacent said return bends and means formed in said plate engaging the walls of said return bends.

2,028,438
REFRIGERATING APPARATUS
John Karmazin, Huntington, Ind., assignor to Karmazin Engineering Company, a corporation of Michigan
Application May 7, 1935, Serial No. 20,264
6 Claims. (Cl. 257—256)



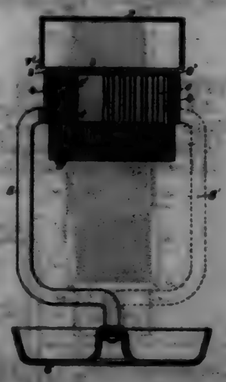
1. A combined condenser and receiver for refrigerating apparatus comprising in combination a fin and tube heat exchange device having vertically spaced horizontal tubes, a vertical inlet header connecting said tubes at one end thereof, means forming a vertical outlet header and receiver connecting said tubes at the other end, and including a passage communicating between said tubes and the interior of said means and arranged to deliver condensed refrigerant to the interior thereof for collection therein to a level above the lowermost horizontal tube.

2,028,439
DEVICE FOR REDUCING TORSIONAL VIBRATIONS IN SHAFTS
Viggo Axel Kjær, Copenhagen, Denmark
Application May 1, 1931, Serial No. [illegible]
In Denmark May 26, 1930
7 Claims. (Cl. 74—574)

5. A device of the character described, comprising in combination a rotatable shaft which is subject to torsional vibration, an inertia mass, an elastic connection between said mass and said shaft, said connection having a continuously variable degree of elasticity so as to avoid sharp and sudden alterations and insure gradual and smooth transitions, and means connected with the shaft and operated by the rotation of the same to influence said connection, so that the degree of elasticity of the connection is varied continuously and periodically with gradual transitions during the rotation of the shaft.



2,028,440
HOLDER FOR MATCH PACKAGES
Kurt Leuckner, Stuttgart, Germany
Application August 2, 1934, Serial No. 738,147
In Germany June 2, 1934
2 Claims. (Cl. 206—50)



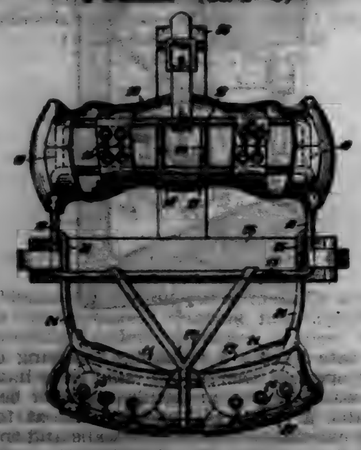
1. The combination of a pull-match package having a flange at the rim thereof, and a holder for said package consisting of a stand and a horizontal frame projecting from said stand, embracing said package and forming a seat on which said flange rests, the matches projecting downwards from said package for removal by downward pull.

2,028,461
SWIMMING GLOVE
Larkin C. Lindsey, Orully, N. Mex.
Application June 25, 1934, Serial No. 732,594
1 Claim. (Cl. 9—31)

A swimming glove comprising a body, hand receiving means secured to the body and including thumb and finger portions, said means being secured to the body in a manner to provide webs between the thumb and finger portions and laterally of said means, a wrist portion secured to the hand portion, a strap including a buckle and cooperating with the wrist portion for securing the glove to the hand of the user, a strip secured to the strap and having channeled end portions, and channeled means having one of their ends received in the channeled end portions for pivotal movement, and said channeled means receiving the inner free edges of the lateral webs in the channels thereof with the edges secured therein so that said channeled means will hold the lateral webs in spread or folded positions upon movement of the hand of the user accordingly.



2,028,462
MASK
Robert Malcom, Chicago, Ill.
Application January 17, 1935, Serial No. 2,187
4 Claims. (Cl. 2—9)

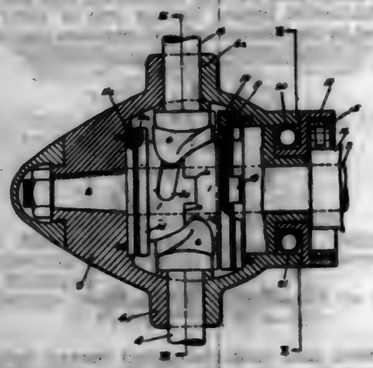


1. A mask of the character described comprising a single rod bent into a transversely disposed arcuate forehead section, a transversely disposed arcuate face guard section and side frame sections; a single rod bent into a transversely disposed arcuate chin protecting loop; and a nose guard bar rigidly secured to the face guard section and to the chin protecting loop.

2,028,463
CHANGE PITCH PROPELLER
George F. McDougall, Portland, Oreg., assignor to Edwin T. Hodge, Portland, Oreg.
Application January 7, 1935, Serial No. 657
15 Claims. (Cl. 170—163)

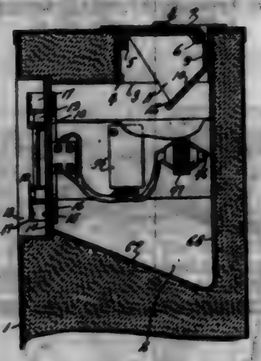
1. A change pitch propeller comprising in combination a blade, a blade shank that is rotatively mounted in a hub, a couple on the blade shank, an axially expansible two part cam rotatably mounted to co-operate with the couple with one element of the couple engaging one

part of the cam and the other element of the couple engaging the other part of said cam, and



means for shifting the cam to change the pitch of the blade.

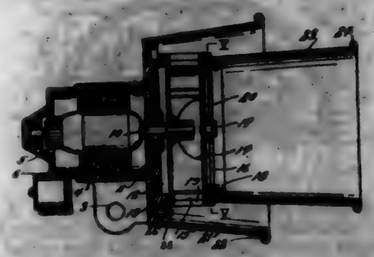
2,028,484
SECURITY DEPOSITORY
Charles F. Mellish, Toledo, Ohio
Application December 18, 1933, Serial No. 702,959
4 Claims. (Cl. 109—1)



1. A safe having a valuables receiving chamber, an opening thereabove, said safe having a double wall housing, an insulation filler between said walls, a reinforced metallic throat for the opening extending between the walls and through said filler, a pivot bearing providing bar anchored inside said throat in proximity to the outer wall, a closure plate for the opening hingedly mounted on the bar, there being ledge means at the throat to limit inward swinging of the closure to closure position, and a chute in the throat fixed to move with the closure and extending downward from the bearing, said chute at lifted position of the closure providing a receiving platform abutting the lower side of the ledge and at lowered position of the closure providing an inclined way into the chamber.

2,028,485
SOUND SIGNALING
Leslie H. Middleton, Adrian, Mich., assignor to Schwarze Electric Company, Adrian, Mich., a corporation of Michigan
Application October 11, 1930, Serial No. 482,004
3 Claims. (Cl. 177—7)

1. In a sound device a main mounting plate having a central perforation and an aperture, a minor annular flange on one side and a major annular flange forming a siren stator on the other, both being concentric with the perforation, a motor having a portion mounted in the minor flange with a shaft extending through the perforation into a chamber formed by the major flange, a siren rotor mounted on the shaft in said chamber,



an annular valve member fitting over the stator member, a projection on said member extending through the aperture in the plate, a solenoid mounted on the latter, a core for the solenoid, and means connecting the latter with the projection whereby the valve member may be rotated on energization of the solenoid.

2,028,486
FILTER LEAF
Matthew F. Moran, Kansas City, Mo.
Application May 14, 1934, Serial No. 725,558
4 Claims. (Cl. 210—181)

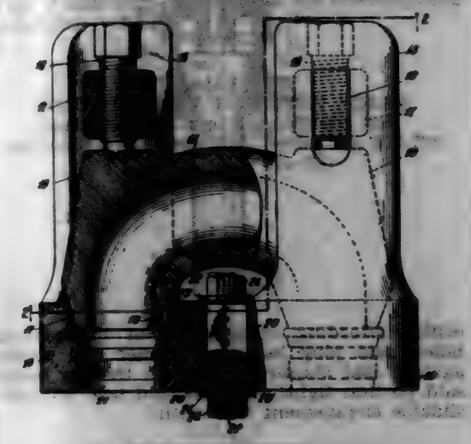


1. A filter leaf of the character described comprising a pair of articulated frames each having a screen across one side thereof; means for permitting the escape of material from within the filter leaf other than said screens; a pair of standards for supporting the filter leaf; and means on the said frames for slidably engaging the said standards, said means comprising a tube extending through each frame respectively from one end to the opposite end thereof.

2,028,487
RETURN BEND
Henry E. Machnic, Atchison, Kans., assignor to The Locomotive Finished Material Company, Atchison, Kans., a corporation of Kansas
Application January 17, 1933, Serial No. 651,881
5 Claims. (Cl. 285—39)

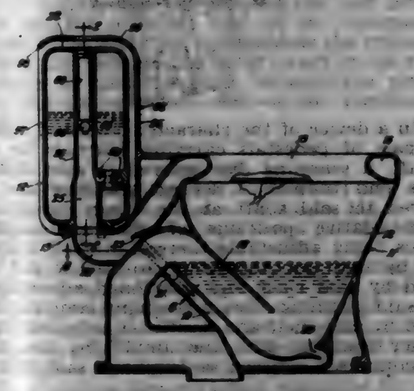
1. In a return bend structure of the character described, a pair of housing sections, each ad-

tured to receive an end of a U-bend section and the end of a tube, the juxtaposed sides of the sections being each provided with a dove-tailed slot; a double dove-tailed key member endwisely insertable in the matching slots of the housing sections, the cross sectional dimensions of said



key being less than the corresponding dimensions of the slots so as to permit a limited degree of independent movement of the housing sections relative to each other in any direction in a plane perpendicular to the tubes; and means for holding the U-bend section in contact with the housing sections.

2,028,468
WATER CLOSET CONSTRUCTION
John N. Murphy, Springfield, Ill., assignor of one-half to August F. Maurer, Springfield, Ill.
Application August 22, 1934, Serial No. 740,951
16 Claims. (Cl. 4—14)



1. An article of the class described comprising an integral structure having a bowl portion adapted to have a fluid retaining reservoir positioned and rigidly secured thereon in operative relation thereto, and a cover member formed integrally with said bowl and adapted to surround a substantial portion of the reservoir positioned on the bowl, said cover member having at least one permanently open side for permitting the insertion and positioning of the reservoir therein and in operative relation to said bowl.

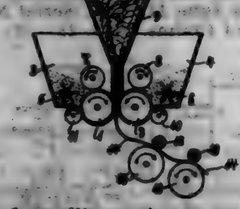
2,028,469
WATER-SOLUBLE AZODYESTUFFS DERIVED FROM BENZOCARBAZOLES
Wilhelm Neelmeier, Leverkusen-Weiderf, and Heinrich Mersshal, Cologne-Deutz, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 13, 1933, Serial No. 656,676. In Germany February 15, 1932
10 Claims. (Cl. 260—46.1)

1. Dyestuffs of the formula:



wherein R stands for a tetramethine chain linked to two vicinal carbon atoms of the benzene nucleus R', R'' stands for a non-sulfonated and non-carboxylated radical of the aromatic series, and R''' stands for the radical of a non-sulfonated and non-carboxylated diazotized component suitable for producing azodyestuffs, yielding, when produced on the fibre, various shades of good fastness properties.

2,028,470
ROLLING MACHINE
Emil Nordby, Hamar, Norway
Application January 9, 1935, Serial No. 1,038
In Germany March 5, 1934
7 Claims. (Cl. 107—12)



1. Means for rolling out a mass of dough between two oppositely rotating, non-sticking powder sprinkled rollers, arranged a short distance apart, comprising powder chambers through which the surfaces of the said rollers pass, rotatably mounted strickle devices at that point where the said surfaces leave the said chambers and means to rotate the said strickle devices with a surface speed less than the surface speed of the said rollers, but in the same direction as these latter.

2,028,471
APPARATUS FOR RECLAIMING WASTE HEAT
Emile J. Parent, Bloomfield, N. J., and John L. Krieg, Hollis, N. Y., assignors to Alco Products Incorporated, New York, N. Y., a corporation of Delaware
Application August 2, 1934, Serial No. 738,882
8 Claims. (Cl. 257—237)



1. A heat exchanger comprising in combination a first manifold, a first header communicat-

ing therewith, a second header, tubes providing communication between said headers and a second manifold communicating with said first header.

2,028,472

FLUORESCENT SUBSTANCE

Hans Rabe, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application November 28, 1933, Serial No. 700,069. In Germany December 2, 1932

7 Claims. (Cl. 260—168)

1. The process of producing a substance giving rise to fluorescence when dissolved in a hydrocarbon oil which comprises condensing a substance selected from the group consisting of liquid olefines of purely aliphatic nature and halogenated paraffin wax hydrocarbons with a polynuclear aromatic hydrocarbon in which none of the nuclei is saturated with hydrogen, by contacting said substances with a catalyst of the Friedel Crafts' type at a temperature between about 70° and about 250° C. in the presence of a halide of a metal selected from the 1st and 2nd groups of the periodic system which halide does not catalyze the Friedel Crafts' reaction.

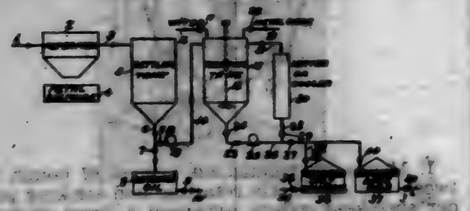
2,028,473

PROCESS OF TREATING METALLIC SALT SOLUTIONS

Paul C. Rich, Los Angeles, Calif., assignor to Vapor Treating Processes, Inc., Los Angeles, Calif., a corporation of California

Application June 11, 1934, Serial No. 730,146

14 Claims. (Cl. 23—50)



1. A process of revivifying used water solutions of heavy metal salts, containing nitrogen bases and other organic extracted constituents resulting from the treatment of hydrocarbon oil with a water solution of metal salt at temperatures ranging from about 300 to 450° F., comprising, commingling the used salt solution with a metallic base and then separating the liberated constituents from revivified salt solution.

2,028,474

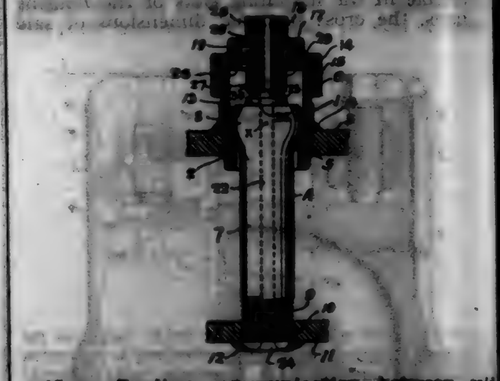
FLEXIBLE STAYBOLT CONSTRUCTION FOR BOILERS

Garland P. Robinson, Glen Ridge, N. J., assignor to American Locomotive Company, New York, N. Y., a corporation of New York

Application September 28, 1935, Serial No. 42,590

7 Claims. (Cl. 85—1.5)

1. The combination of a boiler wall member; a housing member, one of said members having a seat, said housing member comprising a sleeve secured to said wall member and a cap secured to said sleeve and provided with an opening; a plug secured in said opening, having a hole extending therethrough open at the outer end to the exterior; a bolt having a head in flexible engagement with said seat and a longitudinal hole open at said head end; and a diaphragm extending across said housing with its outer periphery sealed to the wall of said housing, its central portion engaging said bolt and provided with an



orifice affording communication between said holes, said plug having its inner end pressing against said diaphragm portion thereby holding said portion tightly against said bolt in relative slidable engagement therewith.

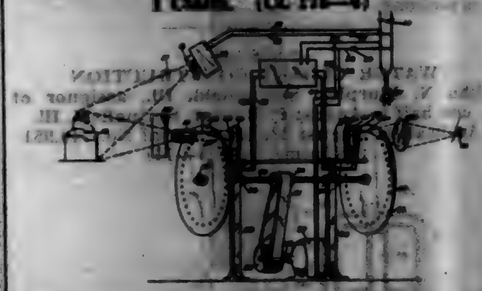
2,028,475

LIGHT CONVERSION SYSTEM

Edward A. Rockwell, Chicago, Ill., assignor to Patent Engineering Corporation, a corporation of Delaware

Application August 23, 1933, Serial No. 685,253

1 Claim. (Cl. 178—6)



In a device of the character described a shaft, a pair of pedestals carrying journals for said shaft, a scanning disc secured to said shaft at one end thereof, a second scanning disc secured to said shaft at the other end thereof, the relative positions of the two scanning discs being adjustable thereon, a shelf supported by said pedestals, a photo-electric cell carried by said shelf and positioned adjacent one of said scanning discs, a receiving lamp also carried by said shelf and positioned adjacent to the other scanning disc, and amplifying means interconnected between said cell and said lamp.

2,028,476

GARAGE FOR AUTOMOBILES AND THE LIKE

Jacques Rome and Karl Rubinstein, Paris, France

Application May 2, 1933, Serial No. 669,619

In Austria March 31, 1932

4 Claims. (Cl. 214—16.1)

1. In a storage garage, a series of platforms each adapted to support a vehicle, guiding and driving means for causing said platforms to travel in a closed horizontal loop-shaped path, and means for moving said platforms individually out of said loop-shaped path for receiving and discharging vehicles.



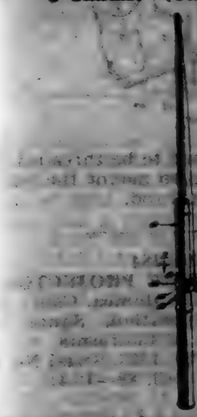
2,028,477

HOOK HOLDER FOR FISH POLES

Raymond C. Rapp, Kendallville, Ind.

Application July 10, 1933, Serial No. 679,799

2 Claims. (Cl. 43—23)



1. A fish pole attachment comprising the combination with a fish pole having a fish line and hook attached thereto of: a clamping member adapted to be attached to the fish pole and including a receptacle portion; a pinch plate slidably mounted in the said receptacle portion; and a resilient compressible material arranged between the said pinch plate and the adjacent wall of the fish pole; whereby the hook of the fish line may be readily inserted between the said pinch plate and the adjacent wall of the receptacle portion, thereby slightly compressing the resilient member and causing the latter to act by its own resiliency to bind the hook between the pinch plate and the adjacent wall of the receptacle portion.

2,028,478

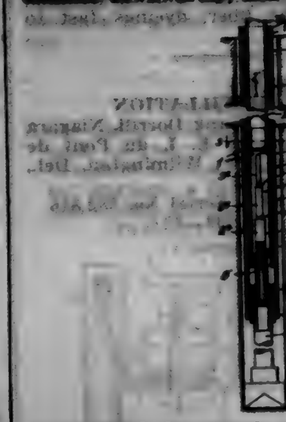
ROTARY DRILLING APPARATUS

Levyn Ray Salmaander, St. Louis, Mo.

Application August 6, 1934, Serial No. 738,543

6 Claims. (Cl. 255—72)

1. A drill stem comprising a pair of tubular members arranged in telescopic relation, means to restrict rotary movement of said tubular members with respect to each other, communicating passageways for fluid formed through said tubular members, a fluid-controlling element, said fluid-controlling element being supported by one of said tubular members and having a shank portion relative to which an open end of the other of said tubular members moves in a manner to cause said shank portion to be extended into said open end of said other tubular member and partially obstruct same, whereby passage of fluid through the open end of said other tubular member is restricted and the pressure of fluid adjacent to the open end of said other tubular member is increased, a pressure-receiving face formed on said shank portion and movable into and out of said open end of said other tubular member against which said increased fluid pressure acts to move said fluid-controlling element downwardly, and a drill bit to which is



transmitted downward movement imparted by said increased fluid pressure to said fluid-controlling element.

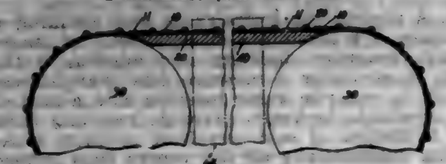
2,028,479

CONVEYER FOR HEAT TREATING FURNACES

Clarence Winfred Spicer, Toledo, Ohio

Application August 5, 1931, Serial No. 555,167

2 Claims. (Cl. 198—193)



1. In combination with a heat treating furnace, a table; a conveyer to pass over said table comprising a series of links of heat resistant material of substantially flat cross-section; and eyes formed in the ends of said links by bending portions of the material into contact with one another to form a substantially flat surface arranged to expose a maximum wear area to said table, said portions of the material being secured by welding.

2,028,480

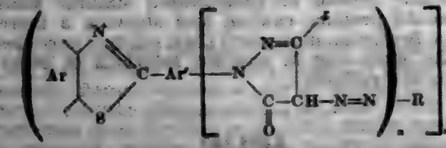
WATERINSOLUBLE AZODYESTUFFS

Richard Stässer, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application January 27, 1933, Serial No. 653,928. In Germany February 8, 1932

6 Claims. (Cl. 260—44.2)

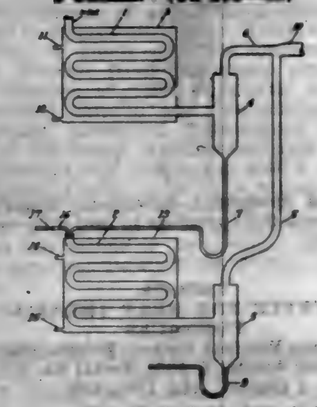
1. Water-insoluble azodyestuffs of the general formula:



wherein the nitrogen atom in the 1-position of the pyrazolone nucleus is attached to a carbon atom of Ar or Ar', Ar and Ar' stand for radicals of the benzene or naphthalene series, z stands for alkyl, a radical of the phenyl series or an esterified carboxylic acid group, R stands for the

radical of a diazotized aromatic amine, and wherein one a stands for the number 1 and the other a stands for the number 1 or 2, yielding, when produced on the fiber, dyeings fast to washing.

2,028,481
METHOD OF DISTILLATION
Carl William Tucker and Frank Derrill, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del., a corporation of Delaware
Application July 29, 1933, Serial No. 682,826
9 Claims. (Cl. 202—52)



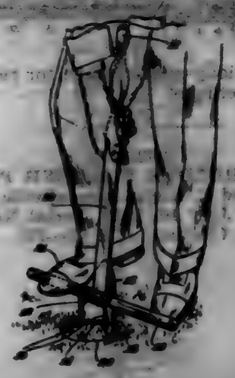
1. A process for hydrolyzing and distilling a solution of a persulfate in a plurality of stages which comprises distilling said solution in the first stage under a pressure less than atmospheric to vaporize water together with a part of the available hydrogen peroxide resulting from the hydrolysis of said persulfate solution, separating substantially all the vapors thus formed from the liquid residue, adding water to said liquid residue and distilling said diluted residue in a subsequent stage.

2,028,482
SULPHUR DISPERSION
George R. Tucker, North Andover, Mass., assignor to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application July 2, 1932, Serial No. 619,093
1 Claim. (Cl. 252—8)

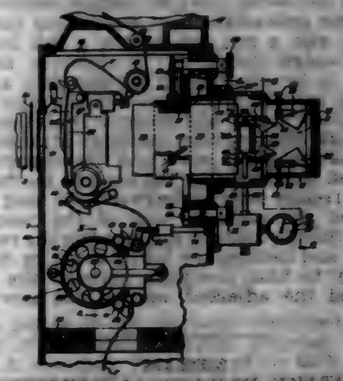
As a new composition of matter, an aqueous dispersion of sulphur which contains a soluble compound comprising the product obtained by condensing an aldehyde with a sulphonic acid of the napthalene series, said composition obtained by grinding the sulphur in an aqueous solution of the compound and being a stable fluid substantially devoid of precipitated sulphur such as would produce caking, and showing a more active Brownian movement than sulphur particles of the same size in aqueous solutions of other protective colloids.

2,028,483
TURF TOOL
George Van Yahres, Westbury, N. Y.
Application February 15, 1935, Serial No. 6,459
2 Claims. (Cl. 56—18)

1. A turf tool comprising a bar having one end bent into a transverse loop, a curved blade having lateral portions, said portions having openings adapted to be brought into alignment with said loop on opposite sides of the latter, respectively, and a rod adapted to be threaded through said openings and loop to mount the rod on the bar and the blade on said rod.

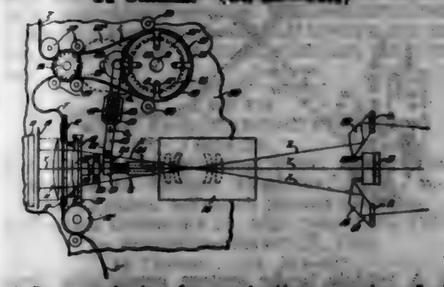


2,028,484
MOTION PICTURE PROJECTOR
Walter L. Wright, Santa Monica, Calif., assignor to Synchrome Corporation, Santa Monica, Calif., a corporation of California
Application November 20, 1933, Serial No. 698,361
20 Claims. (Cl. 88—16.4)



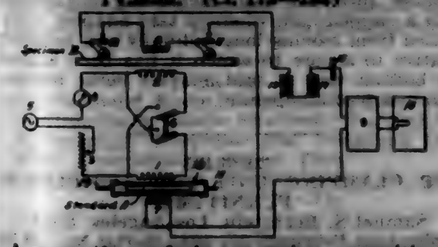
1. In a projector for handling film having longitudinally spaced perforations and bearing a plurality of series of pictures each series comprising a plurality of pictures arranged longitudinally of the film, means for constantly moving the film including moving parts cooperating with perforations spaced a substantial distance along the film, an optical system for projecting shafts of light through the pictures of each of the series to fall on a screen in register, the system including means for projecting light shafts through the pictures of a series, pivotally mounted elements for reflecting the shafts from the end pictures in cross, elements spaced forwardly from the first-named elements to reflect the said shafts to fall in register with the shaft from the center picture, a member bearing on the portion of film between said parts to move in response to variations in the length of the said portion, and a connection between the member and certain of said elements whereby the said elements are pivoted to compensate for such variations.

2,028,485
OPTICAL SYSTEM AND AUTOMATIC CONTROL FOR THE SAME
Walter L. Wright, Santa Monica, Calif., assignor to Synchrome Corporation, Santa Monica, Calif., a corporation of California
Application November 20, 1933, Serial No. 698,763
14 Claims. (Cl. 88—16.4)



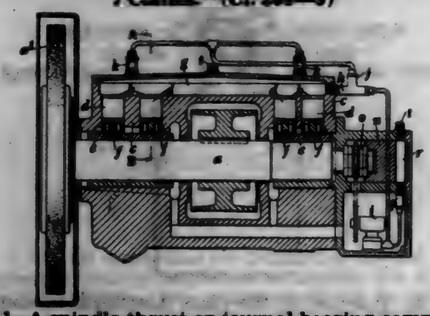
1. In a projector for projecting a series of pictures arranged longitudinally of a photographic film, an optical system including means for passing shafts of light through the several pictures of a series, and a plurality of optical elements operable to direct the said shafts of light so that their images fall into register on a screen, one of the optical elements being operable to direct a plurality of said shafts of light and being shiftable relative to the other elements to effect the registration of the images when there are variations in the length of the film, and a control for the optical system operable to move and position said optical element to compensate for variations in the length of a portion of the film, said control including means engaging the film at longitudinally spaced points and a shiftable member operatively associated with the said optical element and having engagement with the portion of film between said points to move in response to variations in its length.

2,028,486
MAGNETIC ANALYSIS
Theodor Zamboni, Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York
Application November 3, 1933, Serial No. 696,270
1 Claim. (Cl. 175—183)



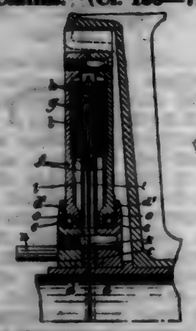
A magnetic analysis apparatus comprising a primary circuit connectible with a source of alternating current and containing two primary coils disposable in inductive relationship respectively with a magnetizable standard and a specimen, switching means whereby said primary coils may be connected in series or in parallel, cooling means adapted to maintain the magnetizable standard at a constant temperature, a secondary circuit containing two secondary coils connected in series opposition and disposed respectively in inductive relationship with said primary coils, a current indicating device associated with said secondary circuit, an eutectic filler adapted to pass current of one frequency only connected in said secondary circuit, and automatic switching means adapted to close the secondary circuit when a specimen is placed within the field of a primary coil.

2,028,487
SPINDLE BEARING
Harry Hales Ashbridge, Ashton-on-Mersey, England, assignor to The Churchill Machine Tool Company Limited, Broadheath near Manchester, England, a British company
Application March 1, 1934, Serial No. 713,595
In Great Britain April 18, 1933
7 Claims. (Cl. 308—9)



1. A spindle thrust or journal bearing comprising two portions, one portion being fixed and one movable towards and away from said fixed portion, together with means to apply a hydraulic load to said movable portion comprising a member movable with said movable portion adapted by its movements to vary the volume of a substantially fluid tight chamber, an orifice in said chamber adapted for admission of hydraulic fluid thereto, and a non-return valve in said orifice.

2,028,488
BRAKE
William Leicester Avery, Thorley, Bishop's Stortford, England
Application November 2, 1932, Serial No. 640,886
In Great Britain November 12, 1931
2 Claims. (Cl. 188—72)



1. A brake mechanism comprising in combination, a stationary hub having a radially projecting annular flange thereon, a pair of flexible annular metallic brake discs mounted at their inner peripheries upon the hub so that the flange thereon is disposed between the discs, a pair of annular clamping rings mounted upon the hub and adapted to clamp the inner peripheral surfaces of the discs against the said flange so that opposite surfaces of each disc are held by friction over a substantial area between the adjacent ring and the adjacent side wall of the flange, an expan-

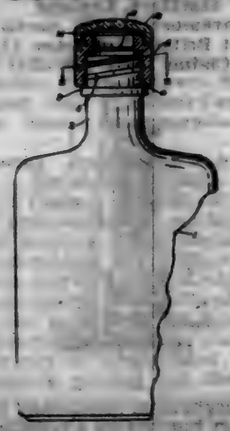
sible fluid capsule for actuating the brake discs, the capsule being mounted upon the hub and disposed between the discs, a hollow casing enclosing the discs and capsule and bearings rotatably supporting the casing upon the said rings, the annular side walls of the casing extending to the rings and being supported against lateral outward distortion at their inner peripheries by means of said bearings.

2,028,489
CLOSURE
William Baker, Toledo, Ohio
Application September 21, 1933, Serial No. 690,365
7 Claims. (Cl. 215—7)



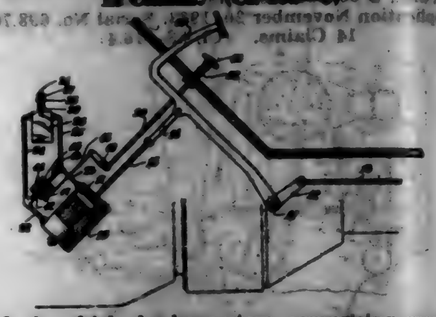
1. In a device of the class described, in combination, a container, a fitting therefor, a nonreplaceable diaphragm forming a part of said fitting extending across an opening in said fitting to prevent passage of the contents of said container, said diaphragm being adapted to be broken away to permit such passage, and a stopper within said opening and removable therefrom after the breaking away of said diaphragm.

2,028,490
CLOSURE
William Baker, Toledo, Ohio
Application September 29, 1933, Serial No. 691,429
8 Claims. (Cl. 215—9)



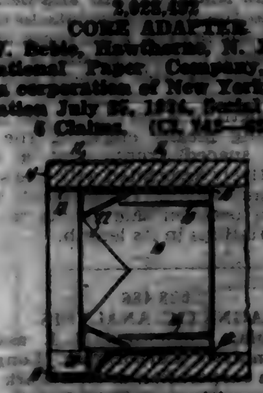
1. In a device of the class described, in combination, a container element, a fitting element, an inaccessible lock to prevent removal of said fitting element from said container element, an easily broken nonreplaceable diaphragm extending across an opening in said fitting element to prevent passage of the contents of said container element, and a removable and replaceable closure adapted for leak-proof application to said fitting element.

2,028,491
BRAKE MECHANISM
Burton A. Barrett, Tenafly, and George E. Perreault, Streamville, N. Y.
Application March 28, 1933, Serial No. 662,788
12 Claims. (Cl. 188—3)



1. A vehicle brake system comprising means under the control of the operator for applying and releasing the brakes, means automatically rendered effective by bringing the vehicle to a stop for holding the brakes applied, and means under the control of the operator for disabling said holding means at will.

2,028,492
CORE ADAPTER
Edwin W. Bebie, Hawthorne, N. J., assignor to International Paper Company, New York, N. Y., a corporation of New York
Application July 26, 1934, Serial No. 736,873
6 Claims. (Cl. 242—68)



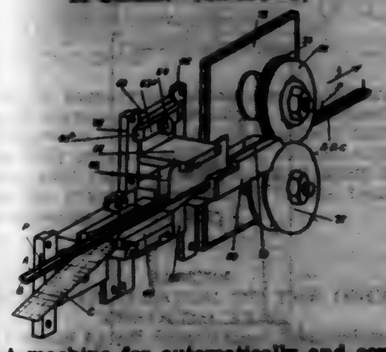
1. A core adapter comprising a cup-shaped member provided with means for engagement with a capped core whereby said adapter is prevented from moving longitudinally and rotatively relative to a core to which it has been applied, the bottom wall of said adapter being provided with a polygonal opening.

2,028,493
WEB CLAMPING UNIT FOR ARTICLES OF FURNITURE
Samuel S. Bernstein, Los Angeles, Calif.
Application February 27, 1933, Serial No. 658,701
4 Claims. (Cl. 155—179)



4. In an article of furniture having a [illegible] frame; a slotted flange member mounted on one side of said frame; a flexible strip having a loop fold on one end inserted through the slot in said flange member; retaining means in the loop of said fold for holding same against movement through said slot; and means for securing the other end of said strip to the opposite side of said frame, said last mentioned means comprising a slotted member, yieldable means securing said slotted member to said frame, a loose fold in the other end of said strip extending through the slot in said slotted member, and retaining means in said last mentioned fold for holding the strip against movement through said last mentioned slot.

2,028,494
MACHINE FOR MAKING FINISHING WELTS
Paul Blanchet and Gaston Tillie, Paris, France, assignors to Société Anonyme: F. A. C. A., Neuilly, France, a French limited company
Application December 14, 1934, Serial No. 757,577
In France December 21, 1933
18 Claims. (Cl. 154—1)



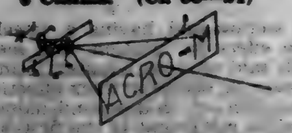
1. A machine for automatically and continuously making welts of the type formed of juxtaposed elements such as strips and cords, comprising an upstanding frame, dragging means on said frame for pulling each welt element from a separate feed, guiding means on said frame for causing the welt elements to travel along separate paths, cement applicators mounted on said frame and traversable by selected elements on their way from their feeds to the dragging means, a drying chamber located in the paths of the selected elements between the feeds and the dragging means, and means on the frame for juxtaposing and shaping the welt elements intermediate the drying chamber and dragging means.

2,028,495
LOCK
John Raymond Brook, Fairmont, and Arthur[illegible] S. Strassbeck, Castle Shannon, Pa., assignors to American Telephone and Telegraph Company, a corporation of New York
Application January 27, 1933, Serial No. 653,168
1 Claim. (Cl. 70—73)



A lock comprising a casing having an aperture therein, a bolt, a shoulder on said bolt, a barrel having a slot for the reception of a key, an extension on said barrel engaged with said shoulder for causing movement of said bolt as said barrel is rotated, said casing having a notch adjacent said barrel to permit the insertion of a key in said barrel only when said notch and said slot are in alignment, a key operated tumbler for controlling the retraction of the bolt and a spring member mounted on the exterior of the casing with one end thereof passing through said aperture, said spring member being biased to cause said one end to normally rest on the surface of the bolt, said bolt having a hole so located therein that after partial rotation of said barrel and partial retraction of the bolt said hole is brought into registry with the end of the spring member which thereupon enters the hole and prevents further movement of the bolt and further rotation of said barrel.

2,028,496
MOVING AND CHANGING SIGN
Areide Chiti, Turin, Italy
Application March 29, 1934, Serial No. 718,014
In Germany April 3, 1933
6 Claims. (Cl. 88—24)



1. In an apparatus for producing moving illuminated inscriptions, signs or designs for advertising purposes, the combination of an opaque film, in which the letters or signs are formed by a sequence of small holes, a source of light, a projector and a screen constituted by a double convex lens system, in which each lenticular element is in such relation with said holes that each luminous beam passing through each hole of the film reproduces a separate distinct and sharp image of said source of light.

2,028,497
RADIO SIGNALING SYSTEM
Leroy M. E. Clansing, Chicago, Ill., and Joseph Edwin Smith, Jr., Gary, Ind.
Application June 22, 1931, Serial No. 546,362
12 Claims. (Cl. 250—2)

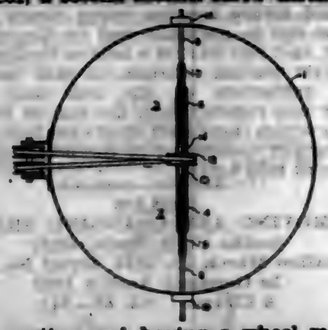


12. In a signaling arrangement, the combination with a radio receiver carried in a vehicle and having adjustable means to receive transmissions over a predetermined frequency range, and means for audibly indicating the same, and warning means useful in the manual operation of the vehicle and operable in response to a transmission signal outside of said frequency range, said warning means comprising coupling devices for so impressing the energy of said transmission signal upon the circuits of said receiver that the latter audibly produces a signal through its indicating means simultaneously with that received over any portion of the predetermined frequency range.

2,028,498
ANTENNA SYSTEM FOR MICROWAY SIGNALING
André G. Clavier, Glen Ridge, N. J., assignor to International Communications Laboratories, Inc., Newark, N. J., a corporation of New York
Application December 16, 1931, Serial No. 581,242
8 Claims. (Cl. 250—11)

1. In combination with a parabolic reflector, an antenna having two telescoping sections mounted

at the focal point of said reflector, a rectangular cross-sectioned insulation member fixedly secured at one end to one of said sections and at its other end to said reflector by means of a bearing permitting axial movement while preventing rotation thereof, a second section screw-threaded to



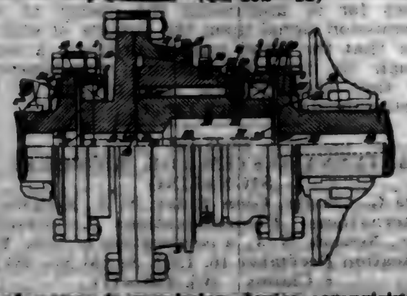
said first section and having a wheel mounted thereon to effect its rotation, and means associated with said sections adapted to micrometrically increase or decrease their effective lengths by the rotation of said second-named section effecting axial movement of the first-named section.

2,028,499
LIGHT BAFFLING SCREEN
Clarence W. Cole, Los Angeles, Calif.
Application January 4, 1935, Serial No. 2324
2 Claims. (Cl. 240—78)



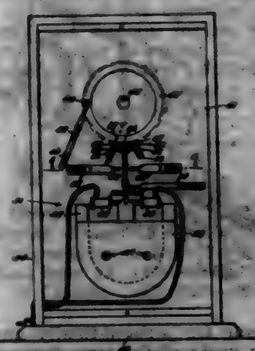
1. A light baffling screen comprising a rectangularly shaped frame including longitudinal channel shaped members having inwardly turned flanges formed thereon, a plurality of light baffling plates disposed in said frame with their opposite ends projecting into the side members thereof, and a plurality of channel shaped separators disposed between said light baffling plates and removably mounted in said frame.

2,028,500
POWER-TRANSMISSION COUPLING
Stanley Smith Cook and Louis Mortimer Douglas, Wallsend-on-Tyne, England, assignors to The Parsons Marine Steam Turbine Company, Limited, Wallsend-on-Tyne, England
Application June 8, 1934, Serial No. 725,684
In Great Britain June 8, 1933
7 Claims. (Cl. 192—41)



1. A power-transmission device comprising, in combination, a driving and a driven element subject to misalignment, each of said elements being provided with a set of dogs and an interposed coupling device in power-transmitting relation with said driving and driven elements and tiltable in relation thereto to accommodate said misalignment, said coupling device including coaxially-juxtaposed end members carrying sets of dogs engaging respectively with said sets of dogs on said driving and driven elements and including also an intermediate member in screw-threaded relation to one of said dog-carrying members and engageable in driving association with the other of said dog-carrying members.

2,028,501
ELECTRIC GAUGE
Rich Cowan, Cemya, Tex.
Application April 13, 1932, Serial No. 606,457
1 Claim. (Cl. 74—150)

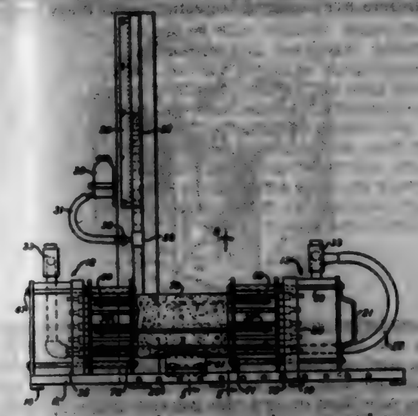


Feed means for ratchet wheels comprising a pair of pawls, means for swingably mounting the pawls adjacent a wheel for engagement therewith, adjustable fulcrums for the said pawls, said fulcrums each consisting of a slotted plate, a member disposed through the slot of the plate for tightening the plate against a suitable support, and a spring connecting said pawls together and tensionally urging the same toward the wheel, each of said plates being provided with a lug against which said pawls fulcrum.

2,028,502
SEASONING PLASTIC
Paul W. Crane, Riverside, and Reuben T. Fields, Arlington, N. J., assignors to Du Pont Viscoloid Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 27, 1933, Serial No. 668,922
5 Claims. (Cl. 18—51)

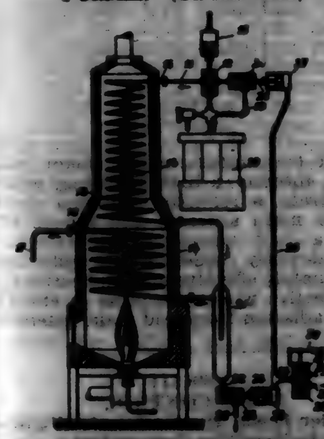
1. Method of seasoning extruded cellulose ester plastic sheeting comprising running the sheeting through sodium chloride brine, the temperature of said brine at the point where the sheeting is introduced therein being relatively low and the temperature of the brine progressively increasing along the path of travel of the sheeting at a rate correlated with the rate of decrease of solvent content in the sheeting as it travels through the brine so that the temperature of the sheeting does not rise sufficiently to cause distortion of the sheeting, and thereafter seasoning the sheeting further in air.

2,028,503
MEASURING APPARATUS
Walter G. Doherty, New York, N. Y.
Application November 13, 1933, Serial No. 697,824
21 Claims. (Cl. 33—147)



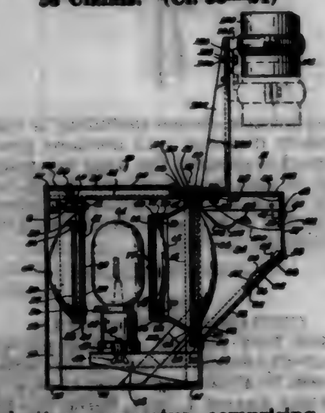
12. In a measuring apparatus, members for engaging therebetween an object to be measured, fluid reservoirs into which the members movably and variably project, and a fluid column communicating with the reservoirs for indicating by its length the average projections of the members when engaging the object.

2,028,504
STEAM GENERATOR OF THE ONCE THROUGH TYPE
Hans Conrad Egloff, Winterthur, Switzerland, assignor to the firm of Sulzer Frères Société Anonyme, Winterthur, Switzerland
Application January 24, 1934, Serial No. 708,035
In Switzerland November 15, 1932
4 Claims. (Cl. 122—379)



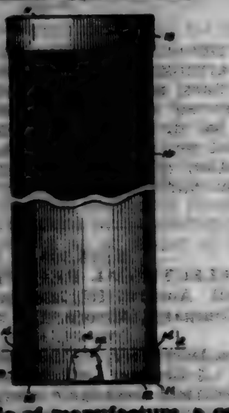
1. The method of removing impurities introduced in the tubes of steam generators of the once-through type by feed water, which comprises heating the water fed to the generator to the boiling point in a first zone of the tube, gradually converting the water to saturated steam in a second zone of the tube with resultant precipitation therein of impurities which tend to adhere to the walls of the tube, superheating the steam in a third zone of the tube, and periodically increasing the rate of feed of the liquid to the tube to advance along the tube the zone where said impurities normally tend to adhere, utilizing the flow of water during the period of increased feed to loosen said impurities from the tube walls, and removing loosened impurities from the working medium flowing through the tube.

2,028,505
LAMP AND LENS HOUSING FOR PROJECTORS
August D. Ritzau, Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York
Application May 31, 1930, Serial No. 457,880
Renewed September 25, 1934
58 Claims. (Cl. 88—24)



1. Projecting apparatus comprising a main housing, an extension housing having a light aperture, means providing a lens aperture between the housings, a lamp socket supported approximately centrally in the main housing, a lens mount in said main housing, a plurality of condensing lenses detachably secured in the mount, and cooperating means at spaced points on the mount and in the main housing for securing the mount detachably in position adjacent the lens aperture and in laterally and longitudinally centered relation to a determined light axis of the housing.

2,028,506
WINDOW DISPLAY DEVICE
Walter Enoch, New York, N. Y.
Application November 15, 1934, Serial No. 753,076
5 Claims. (Cl. 40—126)



1. In an article of manufacture, a cap for the end of a hollow column, comprising a cup shaped

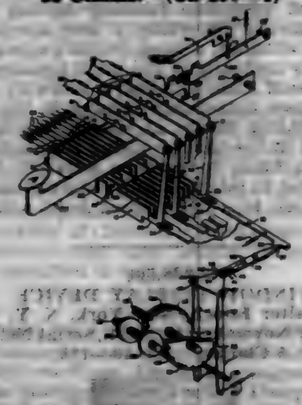
member having upstanding tabs provided with outwardly turned points and disposed inside the walls of the member to engage and hold the end of the column against the said wall.

2,028,507
PYROMETRIC DEVICE
Herbert B. Henderson and Edward O. Henderson, New Brighton, Pa.
Application April 28, 1933, Serial No. 668,123
5 Claims. (Cl. 73—32)



2. A pyrometric device including a body having angularly disposed wall portions providing a base adapted to support the body in upright position, one of said wall portions being thin and having its opposite major surfaces exposed to the free circulation of kiln gases thereabout when the body is disposed upright.

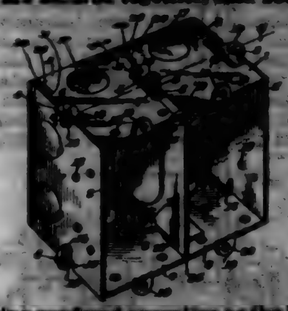
2,028,508
CIPHERING APPARATUS
Parker Hitt, New York, N. Y., assignor to International Communications Laboratories, Inc., New York, N. Y., a corporation of New York
Application August 7, 1931, Serial No. 555,649
15 Claims. (Cl. 197—4)



1. In a ciphering apparatus, a set of permutation bars arranged in pairs, a second set of permutation bars, means associated with each bar of said second set and adapted to co-operate with one bar or the other of each pair of bars of said first set, reversing means for controlling the operation of said first named means and means for variably operating said reversing means.

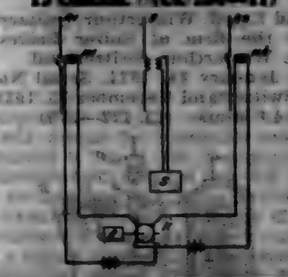
2,028,509
ELECTRICAL RECEPTACLE
John Knell, Aurora, Ill., assignor to All-Steel-Equip Company, Aurora, Ill., a corporation of Illinois
Application December 19, 1933, Serial No. 647,848
5 Claims. (Cl. 247—14)

5. An electrical receptacle comprising a plurality of box body members adapted to be arranged and secured together in juxtaposed position to form a gang receptacle, a barrier plate adapted to lie transversely within said receptacle between adjacent body members, cooperative interfitting means on the plate and body members to positively secure the plate in position when the body members are secured together, said body member



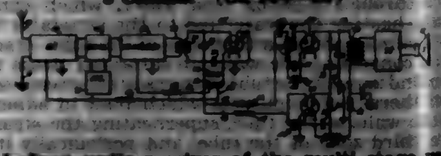
means being rendered operative as the body members are brought into operative juxtaposed position, and means on the body members to secure them together, said last named means being operative whether or not the barrier plate is in place between the body members.

2,028,510
TRANSMITTER FOR ELECTROMAGNETIC WAVES
Ernst Kramar, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany
Application October 22, 1932, Serial No. 638,907
In Germany April 16, 1932
15 Claims. (Cl. 250—11)



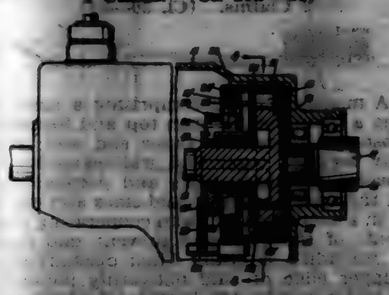
1. A radio transmitting arrangement comprising a main antenna, a high frequency generator coupled thereto, a reflecting antenna on either side of said main antenna and spaced in line therewith a half wavelength therefrom, and means for abruptly rendering said reflecting antenna alternately effective and ineffective so that one is ineffective whilst the other is effective to reflect the radiation from said main antenna.

2,028,511
TONE CONTROL
Harold Miller Lewis, Douglaston, N. Y., assignor to Hazeltine Corporation
Application August 28, 1933, Serial No. 686,681
3 Claims. (Cl. 250—20)



1. In a radio receiver of the multi-stage vacuum-tube type, a radio-frequency amplifying section, a detector, an audio-frequency amplifying section, a tone control circuit including a voltage responsive variable impedance device for controlling the fidelity of said audio-amplifying section, circuit means for causing said detector to develop audio-frequency voltages in accordance with the modulation of the carrier wave being received and a direct-current potential substantially proportional to the average amplitude of said carrier wave, means for applying said audio-frequency voltages to said audio-frequency amplifying section, and a plurality of means for applying said direct-current potential to said voltage responsive variable impedance device and to said radio-frequency amplifying section, whereby the fidelity and amplification of signals reproduced is controlled by the average amplitude of said carrier wave.

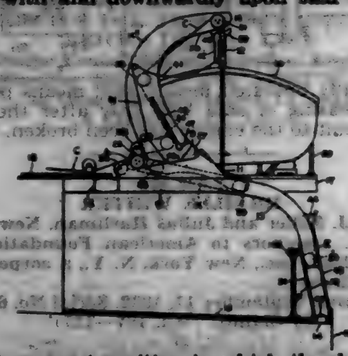
2,028,512
FREEWHEELING DEVICE FOR MOTOR VEHICLES
Albert Maier, Friedrichshafen, Germany, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen, Bodensee, Germany
Application January 30, 1934, Serial No. 708,947
In Germany February 14, 1933
1 Claim. (Cl. 192—48)



A device of the type comprising: two shafts substantially in alignment with each other; means for connecting both shafts in either direction of rotation; means for eliminating the connecting effect in one driving direction; a fixed friction surface; a rotating friction surface in fixed relation to one of said shafts; a shiftable rotatable member having two different friction surfaces, one of said latter surfaces being adapted to co-operate with said fixed friction surface and the other one being adapted to co-operate with said friction surface in fixed relation to one of said shafts; means for shifting said shiftable member alternately into and out of either operative position; and means for operating said connecting means between said two shafts; said operating means being in operative connection with said means for shifting said shiftable member.

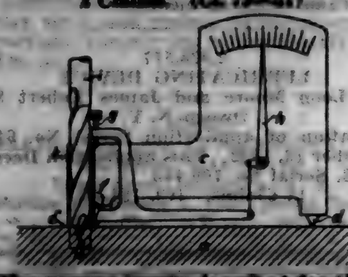
2,028,513
DAVIT MECHANISM DEVICE FOR LAUNCHING LIFEBOATS
Thomas H. Morton, Toronto, Ontario, Canada
Application August 13, 1931, Serial No. 557,757
22 Claims. (Cl. 9—27)

1. A davit structure comprising a movable supporting and guiding track member, track means normally supporting said movable supporting and guiding track member above a ship deck with its outward end adjacent the ship side and also guiding said movable supporting and guiding track member to move outward and downward with its outward end to a lowered position at the ship's side, a davit proper having an arm formation for boat suspension and movably mounted on said movable supporting and guiding track member for normal location inboard above the deck and for movement outward with and downwardly upon said member



to a lowermost position in which the davit arm projects outboard from the ship side, positioning the boat for lowering, and common means for limiting the respective extents of downward and upward movements of said movable supporting and guiding track member upon said supporting track means.

2,028,514
PROCESS FOR DETERMINING THE STRESSES IN STRUCTURAL ELEMENTS AND IN COMPLETED CONSTRUCTIONS
Josef Mather, Aachen, Germany, assignor of one-half to Schurmag Schumacher Metallwerke Aktiengesellschaft für Präzisionsmechanik, Aachen, Germany
Application August 18, 1932, Serial No. 628,241
In Germany August 17, 1931
2 Claims. (Cl. 73—41)

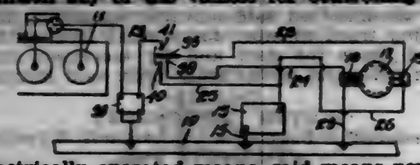


1. The process herein described for the determination of stresses in structural elements and completed constructional works which consists in marking two measuring points on the body under stress to be tested, destroying the equilibrium of the stresses present in the body by removing a minute part of the material at a spot in the immediate neighborhood of one of the measuring points, though without materially impairing the carrying capacity of the body, and measuring the alteration thus produced in the distance between the measuring points as an index of the stress prevalent at said spot in the body.

2,028,515
MECHANISM FOR LOCKING GAS TANK COVERS
Frederick C. McClanahan, Homer, La.
Application February 27, 1935, Serial No. 8,573
6 Claims. (Cl. 123—146.5)

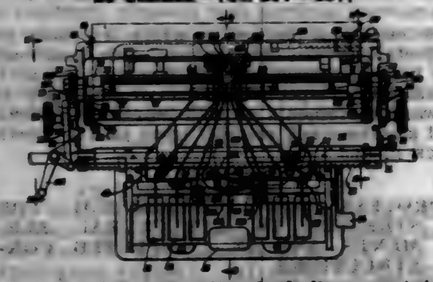
1. The combination with a gas tank cover of a lock for said cover, electrically operated means

for releasing said lock, means operated by the ignition key of the vehicle for controlling said



electrically operated means, said means permitting releasing of said lock only after the ignition circuit to the engine has been broken.

2,028,516
BRAILLE WRITER
George J. Miller and Julius Hurliman, New York, N. Y., assignors to American Foundation for the Blind, Inc., New York, N. Y., a corporation of Delaware
Application September 17, 1932, Serial No. 633,586
25 Claims. (Cl. 197—127)



1. An embossing writer including a rotatable drum for the paper, introductory feed rolls leading to the drum, a paper clamping jaw carried by the drum, means interlocking with the drum to stop its rotation at a predetermined point, and means for simultaneously retracting one of said rolls and said stopping means.

2,028,517
LUBRICATING DEVICE
George Leep Moore and James Robert Steele, Owego, N. Y.
Continuation of application Serial No. 646,983, December 12, 1932. This application December 1, 1933, Serial No. 700,486
12 Claims. (Cl. 184—3)



1. A lubricator adapted to be mounted adjacent a rail, said lubricator comprising a lubricant reservoir, a lubricant distributing member, and a chambered member associated with said reservoir and said distributing member having its chamber in communication with said reservoir and said distributing member, an expansible member connecting the chamber member and the reservoir, and a plunger member within said chambered member adapted, in service, to transmit a percussive action on the lubricant to force said lubricant from said distributing member, and means for automatically refilling said reservoir and said chambered member adapted to maintain a constant head of lubricant within said reservoir and said chambered member, whereby a predetermined quantity of lubricant is forced from the distributing member upon the operation of the plunger.

2,028,518
CELL OF THE SOLID ELECTROLYTE TYPE
René Oppenheim, Gennevilliers, France, assignor to Société Anonyme Le Carbone, Gennevilliers, France
No Drawing. Application November 28, 1933, Serial No. 700,248. In France December 5, 1932
4 Claims. (Cl. 136—153)

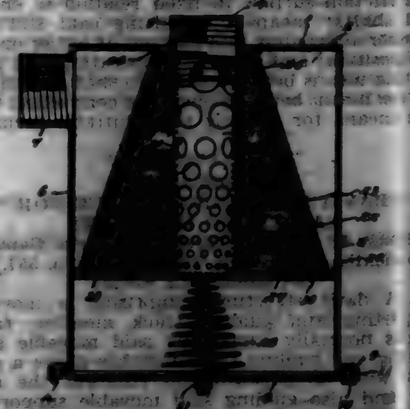
1. The combination, in an electric cell of the solid electrolyte type, of an initially dry electrolyte mixture comprising a solidifying agent in the form of a quantity of dry flour, farina or the like which is capable of being converted to a jelly by cooking, and an active ingredient comprising an alkaline base of the class of soda and potash which, upon addition of water to the dry mixture to put the cell into service, is capable of producing a sufficient amount of heat within said cell to cook said solidifying agent in situ and cause the same together with said active ingredient to solidify into a jelly-like mass of electrolyte.

2,028,519
TOOTHBRUSH SPOON
Jessie Evelyn Fotheringham and Frederick William Marlow, Toronto, Ontario, Canada
Application August 20, 1934, Serial No. 740,571
2 Claims. (Cl. 30—25)



1. A medicine spoon comprising a spoon bowl having a permanently open top and formed with a substantially vertical inner end wall, an outwardly inclined outer end wall extending to a transverse discharge edge, and parallel vertical sides, the upper edges of said sides and end walls lying in a common plane and cooperating to guide contents of the bowl and prevent said contents from spreading laterally when discharging over the upper edge of said outwardly inclined end wall, and a handle the bottom of which is on a level with the bottom of said bowl and of a greater width than the same so as to prevent lateral tilting of the bowl when the spoon is set down.

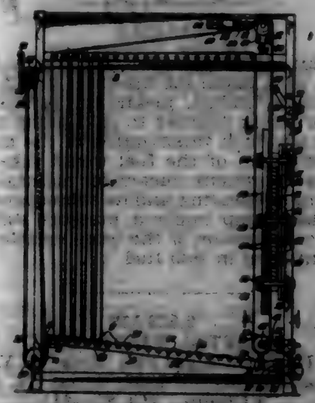
2,028,520
STRAINER
Howard D. Phillips, Vancouver, Wash.
Application January 29, 1935, Serial No. 2,509
4 Claims. (Cl. 210—165)



1. A strainer, comprising a casing having a central inlet at its top and an outlet adjacent its

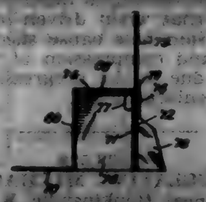
top, an apertured pipe leading downwardly from said inlet to a point spaced from the bottom of the casing, an apertured plate dividing the casing transversely and abutting the inner end of said apertured pipe, a cone-shaped strainer unit interposed between the plate and the top of the casing and surrounding the apertured pipe, the base of said unit bearing on said plate and the top engaging the wall of the casing having the inlet therethrough, said casing bottom being removable and spring means carried by said bottom and engaging said plate to maintain the same and the strainer unit in operative position.

2,028,521
ELECTRIC SIGN CONTROLLER
Frank C. Reilly, New York, N. Y.
Application July 25, 1932, Serial No. 624,192
1 Claim. (Cl. 74—242.15)



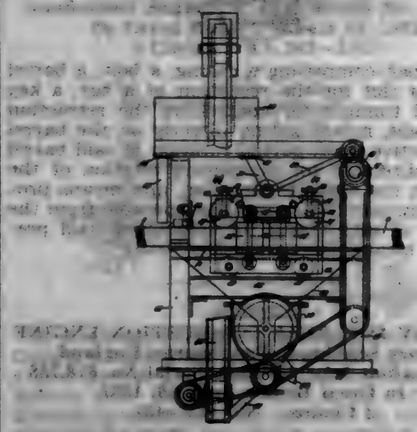
In a machine of the character disclosed, a roll carrying frame pivotally supported at one end, an equalizing bridle attached to the opposite end of said pivoted roll carrying frame and a flexible connection engaged with said bridle for raising and lowering said end of the frame.

2,028,522
DISPLAY DEVICE
Alexander Rice, Brooklyn, N. Y., assignor to Juxte-Display Corporation, New York, N. Y., a corporation of New York
Application October 23, 1933, Serial No. 695,439
4 Claims. (Cl. 206—44)



1. A display device formed from a single blank of material cut and scored to provide a body adapted for the display of articles of merchandise and simulations thereof, said body having a rear wall formed by folding two portions of said blank against each other and extending one of said portions above the body to constitute a back for the device, said two portions having openings therein which register with each other when the portions are folded, and end members for the said body having flaps provided with tabs insertable through said registered openings and bendable into engagement with one of said portions to thereto and thereby maintain said end members in position.

2,028,523
APPARATUS FOR THE MANUFACTURE OF BRICKS OR THE LIKE
George Ernest Rogers, Morden, England
Application March 7, 1935, Serial No. 9,240
In Great Britain March 17, 1934
6 Claims. (Cl. 25—1)



1. Apparatus for facing shaped strips of soft clay comprising in combination a frame having a strip-supporting table, means for supplying facing material to at least one face of the clay strip, means for spreading the said facing material on the strip, carriage guides operatively connected to the frame, a reciprocable carriage on the said carriage guides and having roller means rotatably supported therein, and arranged to bear on the clay strip, and means for reciprocating the said carriage whereby the facing material is rolled into the strip.

2,028,524
NEEDLE GUARD ATTACHMENT FOR SEWING MACHINES
Louis Sanil, Brooklyn, N. Y.
Application November 7, 1933, Serial No. 696,943
2 Claims. (Cl. 112—261)



1. A needle attachment for sewing machines, comprising a front portion for extending along the long finger of a presser foot and having a horizontal continuation extending near the shank of the presser foot, and a rear portion from said continuation extending vertically along the short finger of the presser foot, a support portion swivelly mounted on the horizontal continuation and adapted to be clamped upon a support collar or presser rod, means for holding said horizontal continuation fixed in various swivelled positions, and said support portion having offset parts with openings for selective engagement with a clamp screw coacting with said collar or presser rod.

2,028,235
LOCK
Frederic E. Schmidt, Crestwood, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application January 23, 1933, Serial No. 2,156
14 Claims. (Cl. 70—31)



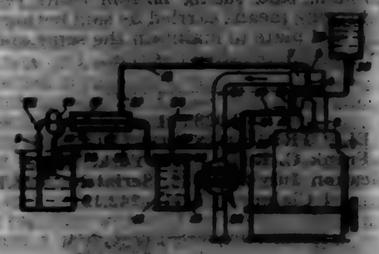
1. A lock comprising a casing, a bolt, a barrel having a slot for the reception of a key, a key operated tumbler for controlling the retraction of the bolt, means acting directly on the barrel and effective upon partial rotation of said barrel in one direction for preventing rotation of the barrel in the opposite direction, and means projecting outside the casing and operable from the exterior of said casing for controlling said preventing means.

2,028,236
ROTARY INTERNAL COMBUSTION ENGINE
Henry Schulmann, Pangbourne, England
Application June 22, 1932, Serial No. 618,782
In Great Britain June 30, 1931
2 Claims. (Cl. 123—43)



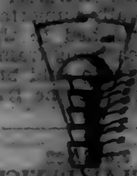
1. A rotary internal combustion engine of the type referred to comprising in combination an annular rotary multi-cylinder unit, a co-operating rotary multi-piston unit co-axial with the cylinder unit, valve and ignition means operable to occasion explosions alternately on opposite sides of the pistons, those on one side producing power strokes of the cylinder unit about the common axis of rotation of the units and those on the other side producing auxiliary strokes of the piston unit about said common axis and in the same direction as the strokes of the cylinder unit, the auxiliary strokes of the piston unit serving to return the two units to their initial relative positions at the commencement of the power strokes of the cylinder unit and means comprising stationary reaction members cooperating with unidirectional clutch elements on the rotating units to prevent reverse rotation of each unit during the strokes of the other unit, the cylinder unit having a moment of inertia substantially exceeding that of the piston unit and constituting thereby a flywheel in the engine from which the power of the engine is arranged to be transmitted.

2,028,237
INTERNAL COMBUSTION ENGINE IN WHICH THE FUEL IS PREHEATED
Oscar Simmen, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application November 22, 1934, Serial No. 754,402
In Switzerland December 6, 1933
15 Claims. (Cl. 123—32)



1. In an internal combustion engine the combination of a pump for injecting liquid fuel into the engine cylinders, means for preheating the fuel prior to its delivery to said pump to a temperature at which vaporization of the more volatile constituents of the fuel would take place at atmospheric pressure, means for maintaining said fuel during preheating and its subsequent delivery to the fuel pump under a pressure sufficient to prevent vaporization of the more volatile constituents contained in said fuel.

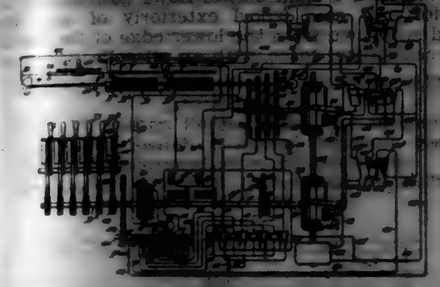
2,028,238
METAL FASTENING
Harry E. Hips, New York, N. Y.
Application July 15, 1932, Serial No. 622,691
4 Claims. (Cl. 85—31)



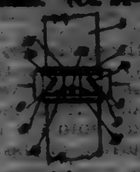
1. In a fastener for metal work a tapered pin member comprising a series of independent deformable conical enlargements, said enlargements progressively increasing in taper from the entering end such that when driven into a hole the side walls of said hole cause successive greater deformation and compression of the respective enlargements due to the progressive increase of taper of said enlargements.

2,028,239
CALCULATING MECHANISM
Clyde Smith, near Hopkinsville, Ky., assignor to International Communications Laboratories Incorporated, New York, N. Y., a corporation of New York
Refiled for abandoned application, Serial No. 184,182, August 2, 1927. This application April 12, 1929, Serial No. 355,215
40 Claims. (Cl. 235—60)

1. In a calculating machine, the combination of a counter, means settable in accordance with a commodity quantity, and [illegible] of the weight thereof, means settable in accordance with the extent of price change in said commodity, and means for operating the counter in a lower or higher value in accordance with, jointly, the settings of said settable means.

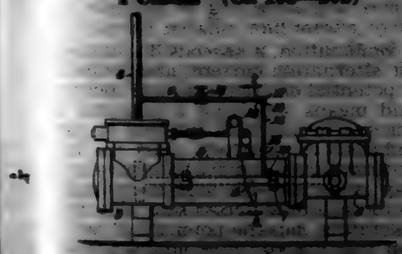


2,028,240
CLAMPING BUCKLE
Leo Steiner, Budapest, Hungary
Application August 25, 1934, Serial No. 741,438
In Germany September 8, 1933
4 Claims. (Cl. 24—194)



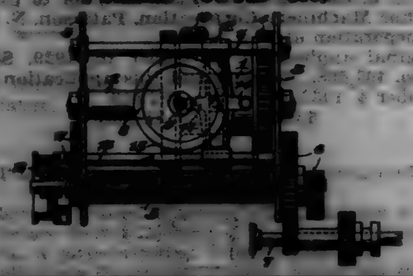
1. A buckle comprising a pair of clamping members adapted to clamp a strap between them, in combination with a member movable crosswise to the longitudinal axis of said clamp and projecting sideways beyond said clamping members so as to be moved inwards by pressure exerted upon the opposite sides of the buckle between two fingers of one hand, and having such mechanical connection with both said clamping members that its inward movement causes the clamping members to drive inwards and its movement in the longitudinal direction of the strap is communicated to the clamping members.

2,028,241
PUMP FOR COMPRESSED LIQUEFIED GASES
Claude F. Tours, Mountain Lakes, N. J., assignor to The Petroleum Process Corporation, Wichita, Kans., a corporation of Kansas
Application July 31, 1933, Serial No. 682,948
1 Claim. (Cl. 103—202)



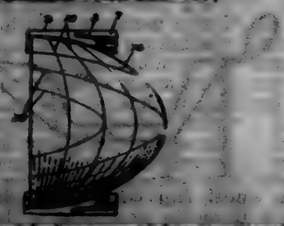
In a pump for compressed liquefied gases, the combination of steam and pump cylinders with pistons operating therein connected by a piston rod operating through glands at the confronting ends of the cylinders, steam connections with the steam cylinder and piston rod steaming means supplied from said steam connections and located adjacent the gland of the pump cylinder and including a steam nozzle directed toward the piston rod connected by piping with the steam connections aforesaid, said piping having a controlling valve therein.

2,028,242
CABLE AND ROPE WINDING APPLIANCES SUCH AS WINCHES AND HOISTS
Wilfred Charles Trolesgen, Brooksmerse, England
Application August 16, 1934, Serial No. 739,559
In Great Britain August 16, 1933
6 Claims. (Cl. 242—156)



1. A winch of the class described including side frames, a shaft mounted between said side frames, a gear pinion journalled in the side frames and having gear teeth extending from end to end thereof, a winding drum mounted to rotate and slide on the shaft, gear teeth associated with the drum for continuously meshing with the teeth of the gear pinion during the rotary and sliding movement of the drum, means for reciprocating the drum, and cable guiding means fixed with reference to the drum.

2,028,243
TURBINE BLADE
Fritz Alexander Wettstein, Lidingö, Sweden, assignor to Aktiebolaget Ljungström, Stockholm, Sweden, a corporation of [illegible]
Application January [illegible], 1932, Serial No. 588,350
In Germany [illegible] 1932
12 Claims. (Cl. [illegible])

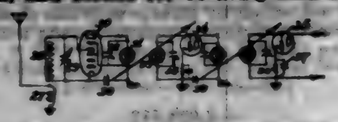


1. A turbine blade comprising a member of sheet material having the form of a catenary-like curve between its ends and curvilinear in section in three right angularly related planes.

2,028,244
VARIABLE-SELECTIVITY RADIO RECEIVER
Alfred Crossley, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application May 11, 1934, Serial No. 725,460
9 Claims. (Cl. 250—20)

1. A fixed-frequency amplifier including pairs of coupled resonant circuits, each of said pairs comprising two ferro-magnetic-cored inductors, one inductor in each of said pairs being rotatable

and mounted at an oblique angle to its axis of rotation, and means for rotating said rotatable



inductors in unison to vary the selectivity of said resonant circuits.

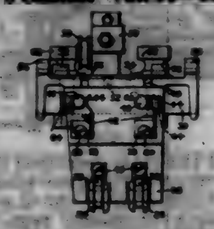
2,028,535

THERMOSTATIC WAX POT

Harry E. Dow, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Original application November 16, 1929, Serial No. 407,662. Divided and this application October 4, 1933, Serial No. 692,119

6 Claims. (Cl. 91—55)



1. A wax pot having, in combination, a receptacle for the wax and a stripper comprising a fixed surface and a spring blade cooperating therewith to wipe wax from a thread passed between, the acting end of the blade being split into three fingers, the central one of which presses the thread against the fixed surface while the outer ones prevent lateral escape of the thread.

2,028,536

WHEEL RIM

Carolus L. Ekergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 9, 1932, Serial No. 621,539

14 Claims. (Cl. 152—30)



1. A wheel rim comprising sheet-metal elements defining the axial area of the rim and having spaced inner surfaces, and annularly extending interbracing means for said surfaces including a sheet-metal element having portions disposed over substantial areas of said surfaces, respectively, and a transversely extending section bridged between said portions.

2,028,537

SPINNING SPINDLE

Emile H. Erhard, Dedham, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application September 29, 1934, Serial No. 746,188

2 Claims. (Cl. 242—149)

1. The combination of a spinning spindle having an oil-containing base, a bolster, a whorl, and a circumferentially extending oil reservoir in said base, said spindle being of the type wherein oil supplied to said bolster flows downwardly interiorly of said whorl exteriorly of said base and is thrown from the lower edge of the former by centrifugal force, with an oil-collecting mem-



ber for collecting the oil thrown as aforesaid, said member completely enclosing the space between said whorl and said oil reservoir, and an open-ended tube extending from the outside of said member downwardly into the oil reservoir to a point below the surface of the oil supply in the reservoir.

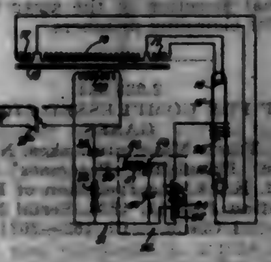
2,028,538

STARTING CIRCUIT FOR GASEOUS DISCHARGE LAMPS

Ellis O. Erickson, Pasadena, Calif., assignor to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del., a corporation of Delaware

Application February 20, 1933, Serial No. 657,406

9 Claims. (Cl. 175—194)



1. In combination, a gaseous discharge tube, a source of alternating current, and means for applying a potential derived from said source to said tube, said means supplying a potential to said tube sufficient to maintain the tube in operation but insufficient to positively start the tube unaided and having substantial inductive reactance effectively in series with said source and tube, whereby the potential across said tube, when the tube is operating, lags the potential of said source, means for starting said tube adapted to be energized from alternating current to produce a starting effect during a portion only of each half cycle of the energizing alternating current and phase-shifting means connecting said starting means to said source of alternating current for causing said starting means to function as a [illegible] during the cycle of said operating current when

under normal operation conditions of said tube, the potential across said tube would be sufficient to sustain said tube in operation.

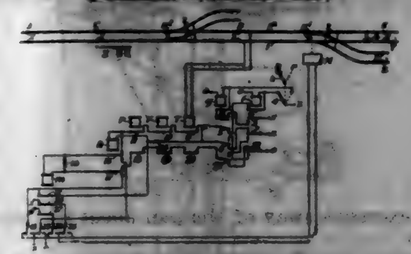
2,028,539

RAILWAY TRACK SWITCH CONTROLLING APPARATUS

Arthur W. Fisher, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application March 12, 1934, Serial No. 11,382

6 Claims. (Cl. 246—119)



1. In combination, a railway track switch, a polarized relay having a neutral contact as well as polar contacts, a neutral relay, a traffic contact controlled by traffic conditions and arranged to be closed only when said traffic conditions are suitable for said switch to be moved from one of its extreme positions to the other, normal and reverse manually controllable contacts, a source of current, a normal circuit including said traffic contact and said source of current and controlled by said normal manually controllable contact as well as by said neutral contact and a normal polar contact of said polarized relay for energizing said neutral relay by current of normal polarity, a reverse circuit including said traffic contact and said source of current and controlled by said reverse manually controllable contact as well as by said neutral contact and a reverse polar contact of said polarized relay for energizing said neutral relay by current of reverse polarity, a resistor, a shunt path for the winding of said neutral relay including said resistor and said traffic contact, normal and reverse pick-up circuits for said polarized relay including said normal or reverse manually controllable contacts respectively and said traffic contact as well as said source of current and controlled by a front contact of said neutral relay, normal and reverse stick circuits for said polarized relay including one of its own normal or reverse polar contacts respectively and controlled by a back contact of said neutral relay, a second resistor, a shunt path for the winding of said polarized relay including said second resistor, and means controlled by normal and reverse polar contacts of said polarized relay for operating said switch to normal and reverse positions respectively.

2,028,540

CALCULATING MACHINE

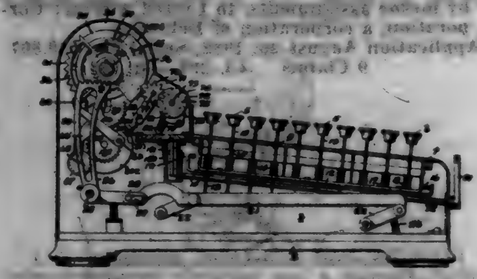
Carl M. F. Fridén, Piedmont, Calif., assignor to Marchant Calculating Machine Company, Emeryville, Calif., a corporation of California

Application February 27, 1932, Serial No. 595,422

Renewed August 2, 1933

4 Claims. (Cl. 235—78)

3. In a calculating machine, differential actuating mechanism comprising settable control members, key set differential mechanism comprising key latches which controls the setting of said members, means for locking said members in selected adjustments during a plurality of operations of said actuating mechanism, and means



for controlling said lock and said key latches seriatim.

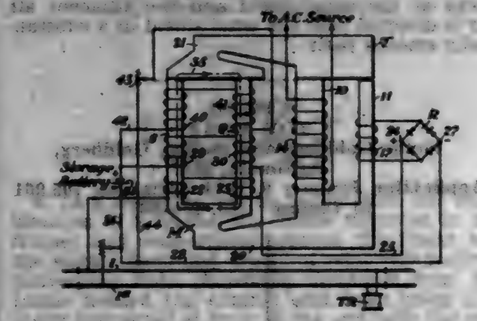
2,028,541

APPARATUS FOR AUTOMATIC REGULATION OF RECTIFIERS

Robert M. Gibson, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

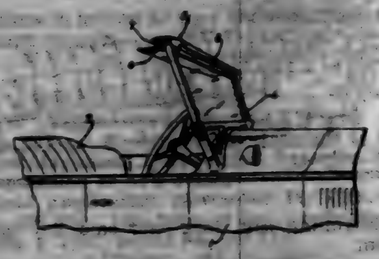
Application December 20, 1932, Serial No. 647,647

11 Claims. (Cl. 175—363)



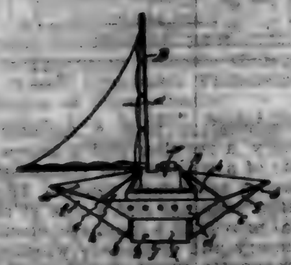
1. The combination with a variable load, a storage battery, a rectifier and a source of periodic current; of a transformer comprising a primary winding, a secondary winding, three separate regulating windings and a core of magnetizable material providing a magnetic circuit carrying said primary and secondary windings and a stationary magnetic shunt carrying all three of said regulating windings; means for connecting the primary winding with the source of periodic current, means for connecting the secondary winding with the input terminals of the rectifier, a load circuit for serially connecting a first of said regulating windings and the load with the output of the rectifier to establish a given flux density in the magnetic shunt, another circuit for connecting the storage battery with the output of the rectifier to normally charge said battery and including a second of said regulating windings, and means for connecting the third of said regulating windings across the storage battery and arranged that the flux created therewith substantially neutralizes the normal flux of the second of said regulating windings whereby said first and second of the regulating windings are effective to jointly vary the reluctance of the magnetic shunt in inverse proportion to variations of the output voltage of the rectifier and in inverse proportion to variations of the load resistance.

2,028,542
WINDSHIELD CONSTRUCTION
Michael E. Gluhareff, Stratford, Conn., assignor, by mesne assignments, to United Aircraft Corporation, a corporation of Delaware
Application August 26, 1932, Serial No. 630,607
9 Claims. (Cl. 296—84)



1. In a motor vehicle, in combination, an uncovered compartment, a wind shield adjacent said compartment, a flat plate secured adjacent its leading edge, adjacent the top of said wind shield and projecting rearwardly therefrom, a curved plate projecting forwardly and rearwardly of said wind shield and adjacent to and spaced from said first mentioned plate, and arranged to form a slot for the passage of air between the plates whereby upon relative movement of the wind shield and the adjacent air, air is directed past the wind shield in a substantially smooth path.

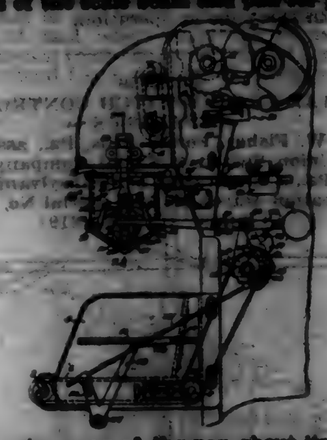
2,028,543
TOY BOAT
Victor Goldberg and Max L. Goldberg, Baltimore, Md.
Application January 9, 1934, Serial No. 705,961
21 Claims. (Cl. 46—83)



1. A toy boat comprising a hull formed as an integral unit from an initially flat blank of material, oppositely disposed flaps projecting from the hull and adapted to be horizontally fastened in overlapping engagement to each other and to said hull and defining a deck thereof.

2,028,544
AUTOMATIC WEIGHING MACHINE
Joseph B. Howe, Worcester, Mass., assignor to Geo. S. Harwood & Son, Boston, Mass., a copartnership composed of John H. Harwood and John H. Harwood, Jr.
Application March 28, 1932, Serial No. 601,113
20 Claims. (Cl. 265—43)

1. Weighing mechanism of the class described having in combination a scale beam and a scale pan fulcrumed thereon, means providing a substantially vertical fixed guideway, a slide member arranged to slide vertically in said guideway, and means normally spaced from said slide member, but operative to engage said slide member at all positions of the scale beam and pan for preventing excessive sway of the pan about its fulcrum axis.

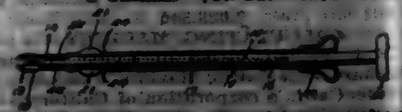


2,028,545
WEIGHING MECHANISM
Joseph B. Howe, Worcester, Mass., assignor to Geo. S. Harwood & Son, Boston, Mass., a copartnership composed of John H. Harwood and John H. Harwood, Jr.
Original application March 28, 1932, Serial No. 603,113. Divided and this application February 26, 1934, Serial No. 712,206
11 Claims. (Cl. 265—8)



2. In combination in a machine of the class described having a scale pan provided with an end member, a sheet metal, wear-resistant element adjustably secured to the end member of the pan, said element having a substantially flat under surface, a knife edge fulcrum engaging said surface, the wear-resistant member having a substantially vertical flange, and a retainer device pivotally secured to the said vertical flange and having an inverted substantially V-shaped notch receiving the knife edge to prevent accidental bodily displacement of the wear-resistant element of the pan transversely of the knife edge.

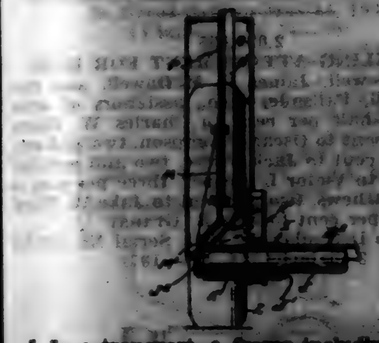
2,028,546
SCREW DRIVER
Frank B. John, Nashville, Tenn., assignor of one-half to William A. Cox, Nashville, Tenn.
Application March 7, 1935, Serial No. 9,[illegible]
3 Claims. (Cl. 145—63)



1. A screw driver, comprising a shank, a handle secured to one end of the shank, a blade on the other end of the shank, a pair of yieldable article-clamping members attachable on the shank and having a gripping means on the forward ends thereof, said clamping members having a plurality of longitudinally spaced openings therethrough, and a pair of opposed cams secured [illegible]

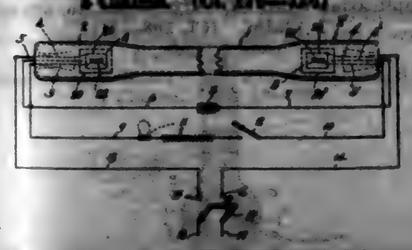
the shank and engageable in a selected opening to hold the clamping members in either operative or inoperative position.

2,028,547
AUTOMOBILE TRANSPORT
Irving H. Judd, Detroit, Mich., assignor to Whitehead & Kales Company, River Rouge, Mich., a corporation of Michigan
Original application January 30, 1934, Serial No. 708,914. Divided and this application May 21, 1934, Serial No. 726,527
34 Claims. (Cl. 296—30)



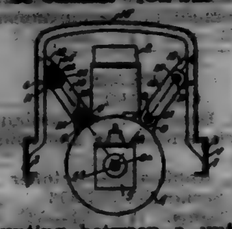
5. In a transport, a frame including a longitudinally extending member, a cross member, and an upright, a walking beam upon the outer side of the longitudinally extending member, a bearing member connected to the cross member, an axle extending through the bearing member and walking beam, and means connected to the upright and axle for holding the walking beam in proper position relative to said frame.

2,028,548
LOW VOLTAGE GAS ARC LAMP
Kurt F. J. Kirsten, Seattle, Wash., assignor to Kirsten Lighting Corporation, a corporation of Washington
Application April 2, 1932, Serial No. 603,545
5 Claims. (Cl. 176—124)



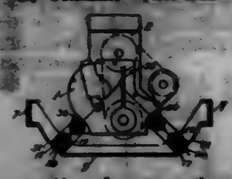
1. In combination a sealed gas containing vessel provided with sealed in terminal electrodes, connectors joining the electrodes, respectively, with opposite sides of an electric circuit through which electrical potential may be impressed on the electrodes to establish an arc between them; said resistance elements connected to said circuit in shunt with the discharge path, resistance elements adjacent the electrodes adapted to become heated by the current flow, thereby to heat the electrodes by radiation, and a corona current conductor extending from the close proximity of one electrode within the vessel to close proximity of the other through which a corona current will be established incident to heating of the electrodes, thereby to stimulate electronic emission from the electrodes and the establishment of an arc between them.

2,028,549
MOUNTING
Hugh C. Lord, Erie, Pa.
Application January 25, 1933, Serial No. 653,635
20 Claims. (Cl. 248—7)



1. A mounting between a unit subjected to torque induced vibration and a support including relatively inclined swinging connectors between the unit and support converging toward the axis of vibration, said connectors being rubber cushioned and some of the cushions at least so constructed and arranged as to yieldingly resist the swinging movement of the connectors.

2,028,550
MOUNTING
Hugh C. Lord, Erie, Pa.
Application September 15, 1933, Serial No. 688,324
Renewed December 2, 1935
17 Claims. (Cl. 248—7)



8. In a mounting for an automobile, the combination of a frame; an engine mounted in the frame; and connections between the frame and the engine including a pair of relatively inclined converging links projecting upwardly from the frame toward the engine, said links being pivotally connected at least at one end with the pivotal axis extending longitudinally of the engine and swinging in response to the torque impulses of the engine to permit the rocking of the engine on a longitudinal axis and having means yieldingly resisting the swinging movement of the links.

2,028,551
MOUNTING AND JOINTS THEREFOR
Hugh C. Lord, Erie, Pa.
Application December 5, 1933, Serial No. 701,064
24 Claims. (Cl. 248—7)



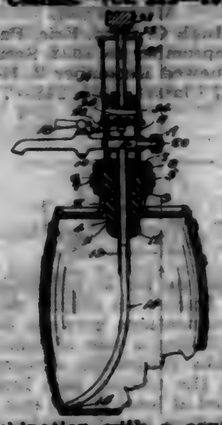
1. A mounting between a unit having oscillatory vibration about an axis and a support including inclined converging swinging connectors between the unit and support, said connectors being provided at least at one of the ends thereof with pivotal rubber cushions so constructed and arranged as to respond to endwise thrusts on the connectors through shear stress of the rubber and

presenting an arcuate surface in the direction of thrust and a curved seubbing means having a surface opposing the arcuate end, said curved and arcuate surfaces centering in the direction of the rocking centers of the cushions and limiting the shear movement of the cushions.

2,028,552
CIGARETTE
Albert H. Law, Denver, Colo., assignor of one-fourth to Carle Whitehead and Albert L. Vogl, Denver, Colo.
No Drawing. Application October 15, 1932, Serial No. 637,985
5 Claims. (Cl. 131—53)

1. As a new article of manufacture, a cigarette having its wrapper impregnated with a soluble silicate, having a fixed alkali base and a fixed alkali nitrate.

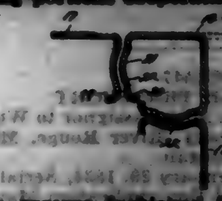
2,028,553
DISPENSING APPARATUS
Harry R. Lubin, Spokane, Wash.
Application August 8, 1934, Serial No. 739,630
3 Claims. (Cl. 225—16)



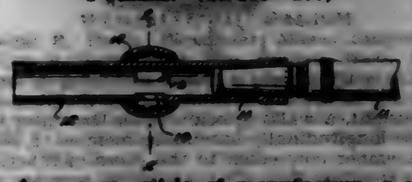
1. The combination with a container having a tapered neck, of a tapered, resilient stopper having an annular flange having a central tube, a conical clamp nut on the inner end of the tube engaging the outer periphery of said stopper, a presser-cap rigid with the other end of the tube and having a shoulder engaging the flange on said stopper, an attaching nut threaded to the neck and having a flange engaging the presser cap, a casing mounted on said cap and a cross tube in said casing, a faucet at one end of the cross tube and a port at the opposite end of the tube, a pipe connected to the cross tube and extending through the central tube to form an annular chamber in the latter in communication with the casing, and means for charging fluid pressure to said chamber through the casing.

2,028,554
STRUCTURAL ELEMENT
Frank L. Main, Birmingham, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application January 4, 1934, Serial No. 705,590
13 Claims. (Cl. 189—34)

11. A metallic structural element comprising a member having integrally connected angularly disposed portions and having flanges at the free ends of said portions extending at an angle to the latter, and strips secured to the member and having portions cooperating with the flanges to form grooves fashioned for the retention and retention of fastener elements.



2,028,555
SPRINKLING ATTACHMENT FOR HOSE
John McDowell, James F. McDowell, and Earl McDowell, Palisade, Colo., assignors of seven and one-half per cent to Charles W. Thary, five per cent to Oscar Thompson, two and one-half per cent to Jodi Reeve, two and one-half per cent to Victor L. Lotspei, three per cent to Tom Matthews, two per cent to John W. Ward, and five per cent to Nels E. Granat
Application December 26, 1934, Serial No. 759,748
3 Claims. (Cl. 299—107)



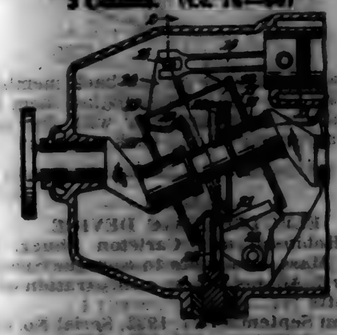
2. As a new article of manufacture, a spray condensing means for spray nozzle comprising a tubular member adapted to removably telescope an end of the nozzle, said member having an opening in the wall thereof intermediate its ends and a hollow body secured to the member about the opening.

2,028,556
ADJUSTABLE BEARING
Arthur L. Marshall, San Francisco, Calif.
Application April 18, 1932, Serial No. 606,643
1 Claim. (Cl. 308—71)



In a device of the character described, a bearing having a tapered bore, said bore being enlarged and interiorly threaded at both ends, a bearing bushing comprising longitudinally separable halves and having an outside surface fitting said tapered bore and an inner bore of uniform diameter to receive a shaft, an exteriorly threaded nut surrounding the shaft and received by one of the threaded ends of the bearing to engage and force the halves of the bearing bushing into the tapered bore until their separable edges abut, a similar nut received by the opposite end of the bearing and engageable with the bushing to eject it from the bearing, said bushing halves being cut away at their mutually opposite faces adjacent their separable edges to provide relatively narrow abutting edges and to provide longitudinal channels in the assembled bushing, and keys in the bearing bore projecting into said channels to prevent rotation of the bushing in the bearing.

2,028,557
SWASH TYPE ENGINE
Christopher George Newall, Bristol, England, assignor to The Bristol Tramways & Carriage Company Limited, Bristol, England, a British company
Application May 17, 1934, Serial No. 726,179
In Great Britain May 14, 1933
3 Claims. (Cl. 74—60)



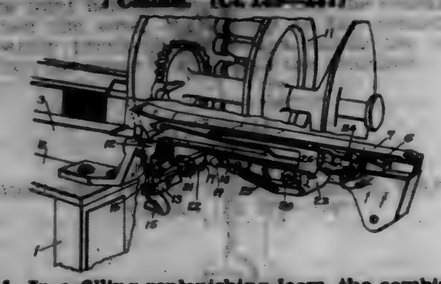
1. A swash-type engine comprising a frame, a crank-shaft having an inclined crank, a plurality of cylinders surrounding the crank-shaft with their axes substantially parallel with the crank-shaft, a hollow multi-part swash-member having a bearing at each side thereof rotatably mounted on the crank, a piston in each cylinder connected to the swash-member by a connecting rod, a gear-wheel concentric with the crank within the swash-member and anchored thereto, a second gear wheel concentric with the crank-shaft within the swash-member meshing with the first gear, and means for anchoring the second gear to the engine frame.

2,028,558
DOUBLE LEVER SIDE CUTTING IMPLEMENT
John A. Nietzel, Elizabeth, and Richard Teeplitz, Irvington, N. J.
Application February 25, 1935, Serial No. 8,350
7 Claims. (Cl. 30—253)



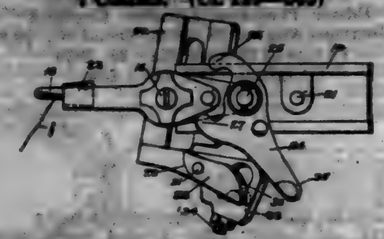
7. An article of manufacture of the class described including a pair of shear jaw members made from suitable sheet metal, each member having a central portion bent over U-shape, with the arms of the U in parallel relationship to form bearing surfaces of relatively large area, reduced ends extending from said arms of the U for attaching handles thereto, the bottom part and arms of the U at the end of each of said members opposite from said end extensions, merging into a curvilinear formation having cooperative cutting edges, said arms of the U on one member enclosing and overlapping and closely fitting directly on the arms of the other member, and each having a transverse hole therein for a pivot pin, and handles adapted to be fastened to said end extensions.

2,028,559
LOOM
James Northrop, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application September 20, 1934, Serial No. 744,313
7 Claims. (Cl. 139—231)



1. In a filling replenishing loom, the combination of the lay, a shuttle, a shuttle box, filling replenishing means, a normally stationary shuttle feeler capable of being moved by said shuttle when the latter enters said shuttle box to a more than normal depth, and means controlled by said shuttle feeler for rendering said filling replenishing mechanism inoperative.

2,028,560
PARTER OPERATING MEANS FOR LOOMS
James Northrop, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application February 15, 1935, Serial No. 6,739
7 Claims. (Cl. 139—245)

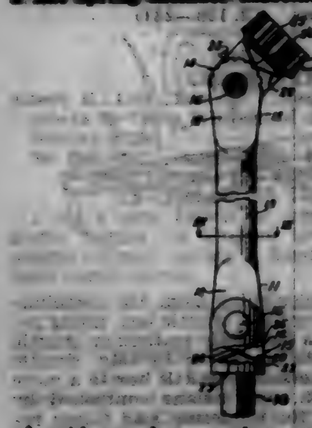


1. In an automatic filling replenishing loom, the combination of bobbin transferring mechanism, a lay having a shuttle box, a parter carrier adjacent said shuttle box, means for moving said parter carrier toward said shuttle box prior to each transferring operation and away from said shuttle box simultaneously with each said transferring operation, parting and clamping blades movably mounted on said carrier for movement between open and closed positions, and means consisting of a single pivoted cam and a blade operating lever operated by said cam for opening said blades as said carrier moves toward said shuttle box and closing said blades as said carrier moves away from said shuttle box.

2,028,561
WRENCH HANDLE
Emil F. Pilger, Kenosha, Wis., assignor to Snap-On Tools, Inc., Kenosha, Wis., a corporation of Delaware
Application October 18, 1931, Serial No. 569,591
4 Claims. (Cl. 81—177)

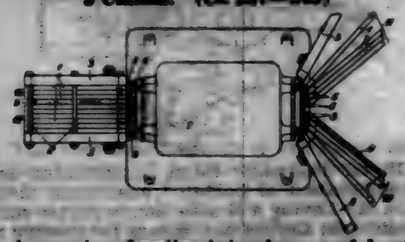
1. In a device of the character described, the combination with a handle member, of a turning member pivoted to said handle member, one of said members having a curved surface, the other of said members being bifurcated to receive

the other of said members with the curved surface in confronting relation to the bottom of said bifurcation, a shoulder formed in the bottom of said bifurcation, there being circumferentially spaced elongated transverse flutes in said surface, a flat spring member associated with the other



of said members, and a projecting elongated transverse ridge formed in said flat spring to present diverging portions terminating in angular extremities that resiliently embrace said shoulder to retain said spring in compression so that said ridge resiliently engages said curved surface for selective registry with said flutes.

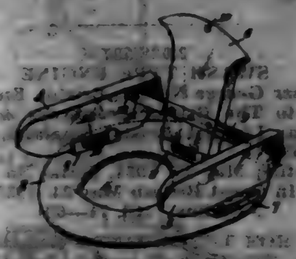
2,022,561
PLATE HEAT EXCHANGER
Edwin Prestage, London, England
Application August 28, 1933, Serial No. 686,250
In Great Britain May 25, 1934
5 Claims. (Cl. 257—245)



1. Apparatus for the interchange of heat between two streams of fluids of the type in which the heating and cooling units are formed by nests of plates clamped together to form separate channels for the two fluid streams, comprising a supporting standard, said plates in operative position being in contact with each other to form fluid channels therebetween, a nest of heat exchange plates and their clamping covers, and means mounted at one edge of each plate for connecting it to said supporting standard to permit it to be turned at an angle in relation to the other plates, whereby their heat-transmitting surfaces may be entirely exposed without dismounting the plates from said standard.

2,022,562
CHILD'S TOILET SEAT
Henry E. Bohlder and Chester H. Calame, Denver, Colo.
Application February 21, 1935, Serial No. 7,686
7 Claims. (Cl. 4—239)

1. In a device of the character described, a child's toilet seat adapted to be hinged at its rear end to the rear portion of the usual seat and a three part cover hinged to the child's seat the parts of said cover when swung to upright positions forming a back and side arms for the



child's seat and means on the back member underlying the side arms for swinging them to upright positions simultaneously with the upward swinging movement of the back member.

2,022,563
ELECTROLYTIC DEVICE
Preston Robinson and Carleton Shugg, North Adams, Mass., assignors to Sprague Specialties Co., North Adams, Mass., a corporation of Massachusetts
Application September 27, 1932, Serial No. 635,907
9 Claims. (Cl. 175—315)

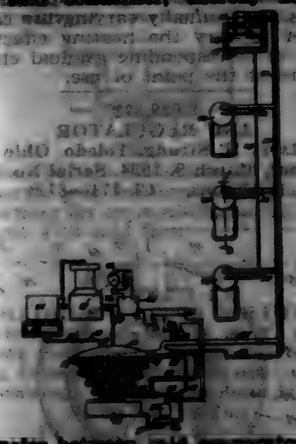


1. In an electrolytic condenser in combination a condenser body comprising two metal foil electrodes and a highly viscous electrolyte interposed between said electrodes, and a protecting envelope comprising a thin-walled metal tube having at least one axially-extending fold, said tube tightly cinching and directly contacting with said body over its entire circumferential area and being closed at one end and projecting beyond the body at its open end, and a sealing compound filling out the space formed by the projecting end of the envelope above the body.

2,022,565
REFRIGERATING SYSTEM
Siegfried Rosenblatt, New York, N. Y.
Application March 18, 1933, Serial No. 661,471
12 Claims. (Cl. 62—4)

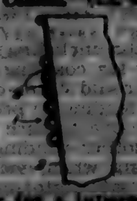
1. In an auxiliary refrigerating system, a main refrigerated chamber, an auxiliary condenser in heat exchange relation to said chamber, a receiver associated with said condenser, an evaporator adapted to receive liquid refrigerant from said receiver, a return pipe between said evaporator and the condenser, and means responsive to pressure in said return pipe for admitting

liquid refrigerant with the gaseous refrigerant entering said condenser, thereby accelerating



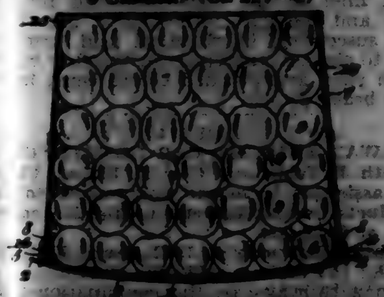
heat transfer between said evaporator and said chamber.

2,022,566
CUP HOLDER
Harry C. Seipel and Paul A. Yerger, Easton, Pa.
Application October 24, 1934, Serial No. 749,841
1 Claim. (Cl. 62—13)



A cup holder for a tapered cup, comprising a sleeve formed of flexible material and said sleeve being provided with circumferentially extending corrugations which gradually increase in depth from the one end of the sleeve to the other end thereof, the corrugations forming interior and exterior ribs and separating grooves, the interior ribs forming a plurality of spaced gripping points for a tapered cup placed in the holder and the exterior projections providing finger holds, said sleeve being of considerable less length than the length of the cup so as to fold and adapted to engage an intermediate part of the cup.

2,022,567
CAP FOR FRUIT BASKET COVERS
Samuel H. Shaffer, Marion, Pa., assignor of one-half to George H. Hamlin, Washington, D. C.
Original application September 18, 1933, Serial No. 689,834. Divided and this application September 29, 1934, Serial No. 745,343
5 Claims. (Cl. 217—3)



3. An independent cover for the open top of a fruit container, said cover being provided with a rim upstanding from the said cover, in combination with an internally arranged cap having a peripheral flange or side wall higher than the upstanding rim of said cover, and a fruit container, said flange or side wall on the cap overlapping the joint between the cover and the container when the cover is fastened to the container, thereby providing means for sealing the fruit when the cover is applied to the container.

2,022,568
PUMP
Allen F. Shoerer, Ann Arbor, Mich.
Application October 2, 1933, Serial No. 693,661
1 Claim. (Cl. 103—109)



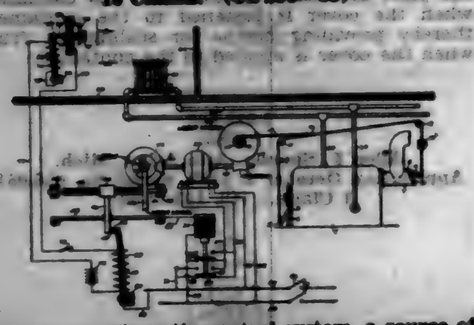
A pump, comprising a rotatable vessel having a fluid inlet and a fluid outlet with the latter positioned to discharge the fluid directly into a gaseous medium under pressure produced by the rotation of the vessel in a substantially radial direction, and a curved deflector secured to and rotatable with said vessel for changing the direction of the fluid discharged from said outlet so that it will be substantially opposite to the peripheral speed vector at the discharge from said deflector.

2,022,569
PUMP
Allen F. Shoerer, Ann Arbor, Mich.
Application July 2, 1932, Serial No. 618,962
13 Claims. (Cl. 103—106)



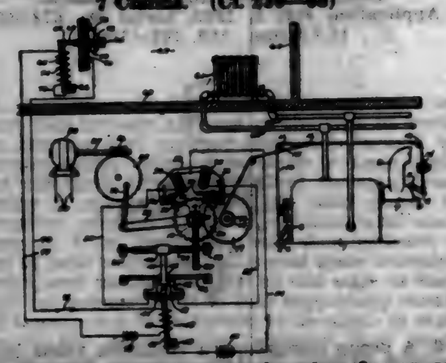
8. A pump comprising a rotatable vessel having a fluid inlet and arms curved opposite to the direction of rotation of said vessel provided with contracted fluid outlets at their ends, said outlets having an aggregate area appreciably less than the inlet area and lying in substantially radial planes, the axes of said outlets being inclined to the plane of rotation of said outlet arms and said outlets relating in air at atmospheric pressure, and a stationary upwardly and outwardly flared guide arranged to convert part of the kinetic energy of the fluid discharged from said outlets into potential energy.

2,028,570
ELECTRIC CONTROL SYSTEM
Theodore J. Smulski, Gary, Ind., assignor to The Anderson Company, Gary, Ind., a corporation of Indiana
Application July 18, 1930, Serial No. 468,975
10 Claims. (Cl. 236—68)



1. In an automatic control system, a source of power, a movable element adapted to be periodically reversably moved thereby, a movable contact adapted to be reciprocatively moved by the movable element, a relatively stationary contact engageable thereby, electrically operated means controlled by the contacts and adapted to effect periodic reversals of the movable element within a predetermined zone of movement, shifting means for shifting the said stationary contact toward or from the movable contact to shift the zone of said movement, said shifting means comprising a thermostatic element movingly associated with said stationary contact, and automatic means for variably heating the thermostatic element and movable therewith according to variations of a variable quantity controllable by said movable element.

2,028,571
ELECTRIC CONTROL SYSTEM
Theodore J. Smulski, Gary, Ind., assignor to The Anderson Company, Gary, Ind., a corporation of Indiana
Application October 4, 1930, Serial No. 486,418
7 Claims. (Cl. 236—68)



1. In an automatic control system for an apparatus adapted to supply heat at a point of use, a movable element of the heat supplying apparatus adapted to vary the heat output thereof in accordance with its position in a range of movement, a source of power for moving the movable element, thermo-responsive means for effecting successive initiation and interruption of the application of power to the said movable element and selectively controlling the directions of movement of the movable element by said power to cause it to take up successive determined positions within the range, an electric heater for the thermo-responsive means, and means for gradually varying the current in said heater to vary the heating effect thereof responsive to corresponding gradual changes of temperature at the point of use.

2,028,572
ARC REGULATOR
Harry H. Strang, Toledo, Ohio
Application March 6, 1934, Serial No. 714,811
12 Claims. (Cl. 171—312)



1. An electric motor, including: an armature; a single stator-core for coacting with said armature; a winding for said stator-core, said winding when energized tending to produce a flux in said stator-core effective to turn said armature in one direction; another winding for said stator-core, said winding when energized tending to produce a flux in said stator-core effective to turn said armature in the opposite direction while said first named winding is energized, said armature responding to the resultant flux in said stator-core; said windings being disposed on said stator-core in spaced relation so as to promote leakage of flux between said windings.

2,028,573
LINER FOR A BRAKE DRUM AND METHOD OF MAKING THE DRUM
Robert E. Surtees, Riverside, Ill., assignor of one-half to Louis D. Meichetin, Milwaukee, Wis.
Application September 28, 1931, Serial No. 565,136
2 Claims. (Cl. 29—153.3)

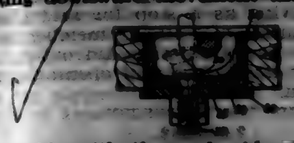


1. A liner of the class described for brake drums and the like, formed of a flat strip of metal susceptible to nitriding, said strip being rolled to shape transversely of the flow of metal in said strip and nitrided before being inserted in the brake drums.

2,028,574
RAILWAY FREIGHT CAR CONSTRUCTION
Kenneth J. Tobin and Carl E. Eklund, Chicago, Ill., assignors, by mesne assignments, to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application February 1, 1932, Serial No. 590,635
7 Claims. (Cl. 105—369)

1. In a railway car, the combination with a floor provided with a plurality of spaced open-

ings, of anchoring devices seated in said closing said openings; means provided on said devices for limiting downward movement thereof, members



engageable with the underside of the floor extending across said openings, and means carried by said devices for maintaining said members in engagement with said floor.

2,028,575
COLLOIDAL COPPER SOLUTION
John Terigian, Queens Village, N. Y., assignor to The Drug Products Co. Inc., Long Island City, N. Y., a corporation of New York
No Drawing. Application June 11, 1934, Serial No. 730,196
2 Claims. (Cl. 167—77)

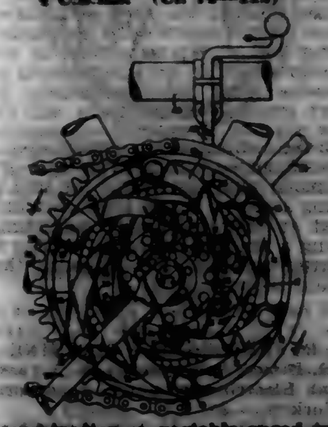
1. A product for the treatment of anemias comprising the suspension of colloidal copper hydroxide in the medium of an aqueous salt of an organic hydroxy-acid.

2,028,576
PIPE SECTION PROTECTION
John W. Van Dyke, Philadelphia, Pa.
Application August 1, 1935, Serial No. 34,177
2 Claims. (Cl. 138—96)



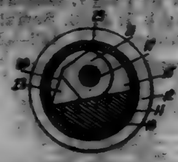
1. A device for protecting the end of a pipe or conduit comprising a metal cap overlying the end, said cap being provided with a relatively narrow annular flange which overlies said end, said flange of the cap being secured to the pipe or conduit as an integral part thereof by means of welding.

2,028,577
SPEED TRANSMISSION MECHANISM
Alvaro Visconmenti, Rome, Italy
Application March 22, 1934, Serial No. 717,891
In Italy June 2, 1933
4 Claims. (Cl. 74—113)



1. In combination, a variable speed transmission mechanism comprising a pair of members including a driving member and a driven member mounted for rotation and translation in respect to each other, means for guiding one of said members in translation in respect to the other member in a line to one side of the center of rotation of said other member and extending to opposite sides of their positions for one-to-one ratio of transmission, and means including connecting elements for connecting said two members together so as to cause continuous motion transmission in all the relative positions of the axes of rotation of the members, the guiding by said guiding means of one of said members in a line to one side of the center of rotation of the other of said members resulting in enabling variation in the ratio of transmission through a one-to-one ratio from a high speed to a reduction speed, depending upon the relative positions of the axes of rotation of the driving and driven members, without interrupting the continuity of motion transmission.

2,028,578
TUBE CUTTER
Gustav Wiedeke, Oakwood, Ohio, assignor to Gustav Wiedeke Company, Dayton, Ohio, a copartnership consisting of Gustav Wiedeke, Otto Wiedeke, and Robert Wiedeke
Application July 9, 1934, Serial No. 734,605
1 Claim. (Cl. 51—196)

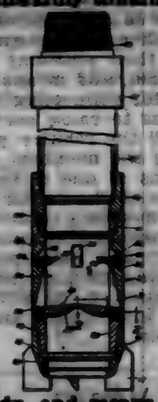


A tube cutter comprising a rotatable frame having a segmental transverse slot extending through opposite sides thereof, said slot having a substantially straight bottom wall for the full length thereof, a pivot pin mounted in said frame in off center relation thereto and extending through said slot at a point spaced from said bottom wall, and a cutter having a hub portion mounted on said pivot pin within said slot and having a blade portion projecting from one side of said hub portion and arranged to be moved into said slot and to be projected beyond said frame by the rotation of said cutter about the axis of said pivot pin, said hub portion also having on that side thereof opposite said blade a part one end of which is rounded to permit said cutter to move about the axis of said pivot pin and the other end portion of which is provided with a substantially flat surface to engage the bottom wall of said slot when said blade portion has been projected beyond said frame and to interrupt the movement of said cutter about the axis of said pivot pin.

2,028,579
WELL DRILLING TOOL
James C. Wright, Los Angeles, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application April 3, 1933, Serial No. 664,166
5 Claims. (Cl. 255—72)

1. A rotary well drill including, a tubular body adapted to receive a core, there being a recess in the inner wall of the body, a cutter for cutting away the core, means pivotally mounting the cutter in the recess so that it is shiftable between a substantially horizontal position where it is adapted to engage the upper end of the core to cut away the core as the drilling progresses and a substantially vertical retracted position in the

recess, the cutter having a cutting edge curved upwardly and inwardly toward the longitudinal



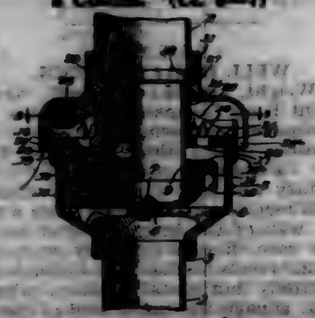
axis of the body, and means yieldingly urging the cutter to the substantially horizontal position.

2,093,598
SUCTION NOZZLE
Guy A. Todd, Oakland, Calif., assignor of one-half to John R. Posey, Oakland, Calif.
Application March 7, 1933, Serial No. 659,915
7 Claims. (Cl. 262—2)



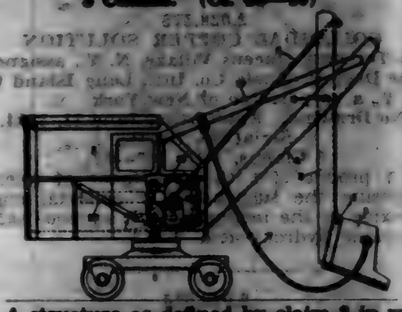
1. In an hydraulic suction nozzle, a tubular shaft having a longitudinal external groove therein, a port connecting said groove with the duct of the shaft, a closure member for said port engaged entirely in said groove, and means to fix said closure member in either operative or inoperative relation to said port while disposed in the groove.

2,093,581
VALVE
Roy H. Zbaft, Oak Park, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application October 6, 1934, Serial No. 748,709
8 Claims. (Cl. 6—7)



1. In a pressure actuated valve, a casing comprising in combination a fluid inlet, a fluid outlet, a vent opening to atmosphere, a valve closure member having means for directing the flow of fluid to said outlet, a cup-shaped member within said casing serving as a stop for said closure member and causing said closure member to restrict the back flow from the said outlet, said closure member closing the vent opening during the flow of fluid.

2,093,582
TOY MECHANICAL SHOVEL
Thomas R. Arden, Baldwin, N. Y., assignor to Buddy "L" Manufacturing Company, East Moline, Ill.
Application September 21, 1935, Serial No. 41,301
5 Claims. (Cl. 46—69)



5. A structure as defined by claim 3 in which the noise producing mechanism comprises a clapper and an abutment to be struck by the clapper as it oscillates, in combination with a latch to prevent the oscillation of the clapper when it is not desired that the toy shall operate.

2,093,583
BRAKE
Vincent Bendix, Chicago, Ill., and Ledger L. La Brie, South Bend, Ind., assignors to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application June 1, 1936, Serial No. 347,249
10 Claims. (Cl. 188—79)



1. A brake comprising, in combination, friction elements supported within a rotatable drum by a support plate, applying means for said elements comprising a pair of cam links, said links being journaled at their ends upon adjusting means comprising a pin and sleeve surrounding said pin, which latter members are extended through a slot in said support plate.

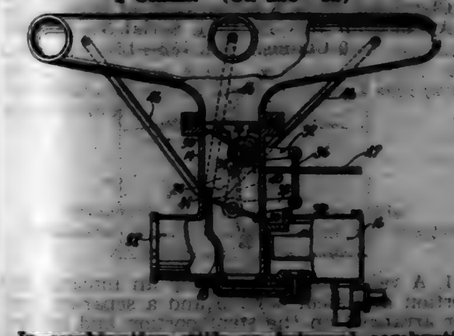
2,093,584
REFRIGERATING MACHINE
Harley H. Binder, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 11, 1935, Serial No. 1,326
14 Claims. (Cl. 230—226)

1. A refrigerating machine comprising a heavy, rigid base which is relatively unresponsive to vertical forces tending to move said base in a vertical direction, a motor and a compressor assembled as a unitary structure, said unitary structure including a plurality of moving parts exerting horizontal displacing forces thereon during the normal operation of said machine, and resilient means attached to said unitary structure for supporting the same on said base, the region of attachment of said resilient means to



said unitary structure being positioned at a sufficient vertical distance below said moving parts and said resilient means having such elastic characteristics that the horizontal axis of the normal modes of vibration of said unitary structure on said resilient means having relatively high natural frequencies lie in the region of said displacing forces in order to minimize the horizontal force transmitted to said base.

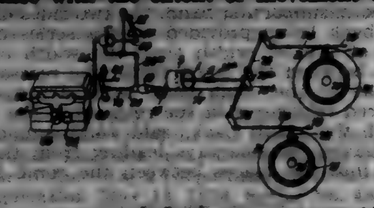
2,093,585
CARBURETOR
Kenneth R. Blake and Robert H. Hill, Anderson, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 23, 1933, Serial No. 657,760
1 Claim. (Cl. 123—53)



In combination with an internal combustion engine having an intake manifold, a carburetor, a throttle in the carburetor, a fuel nozzle discharging adjacent the lip of the throttle, a plurality of conduits leading from adjacent the nozzle to the manifold, a pressure responsive valve between the carburetor and the manifold, and resilient means influenced by the degree of opening of the throttle for urging said pressure responsive valve toward its closed position.

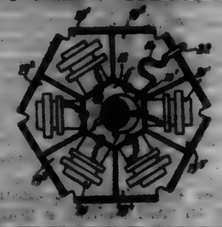
2,093,586
BRAKE MECHANISM FOR AUTOMOTIVE VEHICLES
Caleb S. Bragg, Palm Beach, Fla., and Victor W. Kliesrath, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y., a corporation of New York
Application November 3, 1927, Serial No. 231,121
4 Claims. (Cl. 188—152)

3. In a braking system for vehicles embodying brakes jointly controlled by a vacuum operated servo motor and by a control lever, the initial movement of the control lever rendering the servo motor operative and the continued movement supplementing the operation thereof in accordance with the extent of movement of said



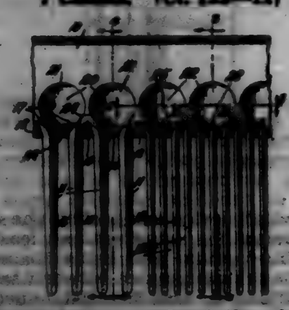
lever, a source of fluid power for said servo motor, means for reducing the effectiveness of said fluid power, and means for regulating said reducing means.

2,093,587
MULTIPLE SWITCH
Jean Brunstein, Paris, France, assignor to Georges Gaveret & Cie, Paris, France, a limited company of France
Application October 20, 1934, Serial No. 749,143
In France September 4, 1934
9 Claims. (Cl. 200—8)



1. In a multiple switch: an insulated casing; a shaft rotating within said casing; a conducting contact member freely surrounding the shaft and capable of displacement relatively to the said shaft in a plane perpendicular to the axis of the shaft; a rigid conducting rod fastened to said conducting contact member and guided by the casing so as to prevent the rotation of said rod and member; studs distributed over the inner surface of the casing in the plane of the conducting contact member; a resilient member mounted on the rotary shaft and exerting a pressure on the contact member in a radial direction to press it against the stud situated in this direction.

2,093,588
COMB
Oswald K. Carver, Scarsdale, N. Y., assignor to American Hard Rubber Company, New York, N. Y., a corporation of New York
Application May 10, 1935, Serial No. 21,713
7 Claims. (Cl. 132—11)



1. A hairdressing comb of the character described comprising a back having on its inner

edge a tooth-supporting band, and teeth extending outwardly from said band, the inner or base portions of said teeth overlapping the sides of said tooth-supporting band, the two sides of said comb back being provided with a series of recesses of greater width than the width of the spaces between the comb teeth, the recesses on one side of the comb back being arranged in staggered relation with the recesses in the other side of the comb back, said tooth-supporting band having passageways leading from the recesses into the spaces between the comb teeth.

2,028,589
ELECTRICAL APPARATUS
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 21, 1932, Serial No. 648,286
4 Claims. (Cl. 250—82)



1. In electrical apparatus, a casing, an electrical conductor in said casing, a body of mineral insulating oil in said casing for insulating said conductor, oil level indicating means comprising a portion of said casing, said portion having the capacity to transmit light, said oil being exposed to light passing through said light transmitting portion, and means for substantially restricting transmission of light through said portion to wave lengths in excess of 500 millimicrons to reduce the depreciation of the insulating value of said oil.

2,028,590
ELECTRIC CAPACITOR AND METHOD OF FABRICATION
Frank M. Clark and Ralph A. Russetta, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application November 30, 1934, Serial No. 755,427
4 Claims. (Cl. 175—315)



1. An electric device comprising the combination of cooperating armatures at least one of which is film-forming and being spaced closely adjacent one another, space between said armatures containing a concentrated aqueous solution of salt, said solution containing fine particles of salt in suspension.

2,028,591
CHANGE RECEIVER AND ADVERTISING DEVICE
Leo Oehm, Los Angeles, Calif.
Application August 12, 1934, Serial No. 739,859
7 Claims. (Cl. 40—28)



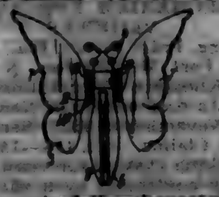
1. In mechanism of the class described, a tiltable normally counter-balanced change tray; a tiltable display device having a display surface correlated to the change tray to be concealed thereby when the tray is in a normal counterbalanced position, and means for tilting the display device to expose the display surface thereof when the tray is depressed, and including a shaft supporting the display device; an arm on the tray; and means disposed to be engaged by the arm when the tray is depressed and having operative motion imparting connection with the shaft to turn same and thus tilt the display device and expose the display surface thereof from the tray.

2,028,592
VALVE STEM
John C. Crowley, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application July 13, 1934, Serial No. 734,611
9 Claims. (Cl. 152—13)



1. A valve stem comprising an integral head portion and stem portion and a separate member arranged on the stem portion and contacting the head portion, said member and said stem portion being provided with interengaging deformed and interlocked threads.

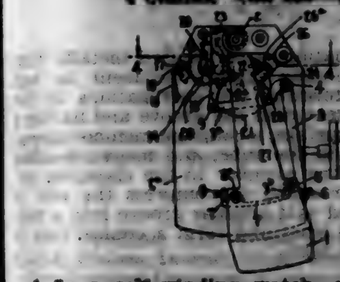
2,028,593
ORNAMENT
Ralph De Rosa, New York, N. Y.
Original application August 18, 1925, Serial No. 50,523, now Patent No. 2,024,934, January 7, 1935. Divided and this application December 9, 1935, Serial No. 53,512
1 Claim. (Cl. 41—3)



In an ornament of the character described, a body portion, wings at the opposite sides of the

body portion, hinges for swingably securing said wings and said body portion together, said hinges being arcuately shaped, and arcuate extensions on said hinges cooperating with the hinges for maintaining the ornament in place on the hair of the wearer.

2,028,594
SELF-WINDING WATCH
Anton Polzal, Astoria, N. Y.
Application April 15, 1931, Serial No. 530,246
4 Claims. (Cl. 185—41)



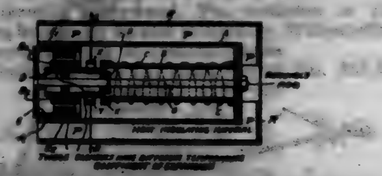
1. In a self-winding watch, a prime mover member adapted to be actuated by the movement of the body of the user, a main spring, connecting means between said main spring and said prime mover member, said connecting means having a lost motion, a regulating spring adapted to prevent said lost motion until the main spring has been wound up to a predetermined extent, said connecting means including a link pivotally connected to said prime mover member, said regulating spring being pivotally connected to said prime mover member and having an end thereof in contact with said link, and a regulating screw passing through said regulating spring and bearing against said prime mover member.

2,028,595
DRINK MILL
Frederick W. Flagel, Racine, Wis.
Application April 30, 1934, Serial No. 723,318
4 Claims. (Cl. 259—108)



1. In a drink mill, a container having a closed lower end portion, a plurality of low disintegrating baffles rigidly mounted in spaced, circular formation within said closed end of the container and obliquely to radii of the container, an agitator revolubly mounted within said closed end of the container within the circle of baffles, the baffles being positioned so as to obstruct the normal direction of flow of material from the agitator, and a screen member removably engaging the baffles and completely covering and enclosing the baffles and agitator.

2,028,596
OSCILLATION CIRCUIT
Charles Samuel Franklin and Bertram John Witt, London, England, assignors to Radio Corporation of America, a corporation of Delaware
Application May 19, 1930, Serial No. 453,478
In Great Britain May 23, 1929
7 Claims. (Cl. 250—36)



1. In an oscillatory circuit an inductance, a tuning capacity therefor, one electrode of said capacity comprising a metallic cylinder enclosing said inductance and a second electrode adjustably mounted within said cylinder, a compensating capacity whose electrodes are enclosed in said metallic cylinder, one electrode of said compensating capacity being integral with an electrode of said tuning condenser, the other electrode being mounted on material having a different coefficient of expansion than the first mentioned electrode of said compensating condenser and being connected to said metallic cylinder.

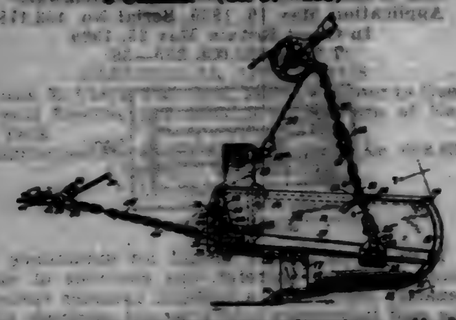
2,028,597
FASTENING AND SECURING MEANS
George W. Gall, Barrian, Md.
Application March 2, 1934, Serial No. 713,757
2 Claims. (Cl. 306—38)



1. In combination, a member having an opening therethrough, another member fitting into said opening, said latter member comprising two parts jointed to each other lengthwise, each of said parts having a longitudinal groove, said grooves being disposed adjacent to each other and forming a longitudinal, substantially central passageway through said second member, and means for securing said members to each other, said means comprising a tie-member threaded at each end and passing through the longitudinal passageway of the second named member and projecting into the opening of the

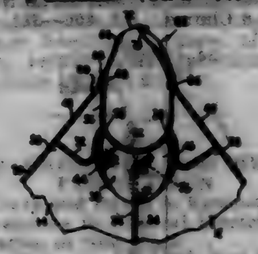
first named member, a nut on each end of said tie-member and means for securing said nuts in fixed relation to each other.

2,022,536
DRAG LINE BUCKET
Alfred E. Gibson, Cleveland Heights, Ohio, assignor to The Wellman Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application January 18, 1933, Serial No. 652,249
8 Claims. (Cl. 37—126)



1. In a bucket of the drag line type, attaching means for the drag lines or chains arranged at the forward ends of the sides of the bucket and comprising hitch members secured to the sides and separate cap members connected to said hitch members so as to be movable relative thereto.

2,022,539
UNDERGARMENT FOR WOMEN
Lillian Goodman, Brooklyn, N. Y., assignor to Mitchell Brothers, Inc., Bridgeport, Conn., a corporation of New York
Application November 22, 1934, Serial No. 754,299
4 Claims. (Cl. 2—73)



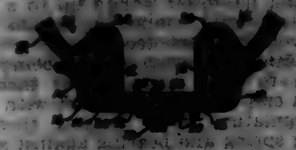
1. An integral undergarment structure for wear by women, the garment structure comprising a slip to be worn beneath the outer dress of the woman for imparting to the dress certain properties and characteristics, the garment structure including means for supporting the slip in a predetermined relationship to the arm-pits of the wearer and cooperating with top edges of the slip to define passages for the arms of the wearer, the slip including fabric sections located at the portions of its top edges normally brought into association with the arm-pits, the fabric sections being prepared for preventing the passage of moisture through the sections, the fabric sections being positioned between the skin and the dress, the fabric sections extending beyond the upper edge of the slip, the supporting means including means extended from the slip to an extended fabric section, and a strap slidably receiving the extended means and passing over the shoulder of the wearer.

2,022,590
FLEXIBLE TUBING
Stephen Gasmanschilli, Brooklyn, N. Y., assignor to Packless Metal Products Corporation, New York, N. Y., a corporation of Delaware
Application April 20, 1934, Serial No. 722,062
3 Claims. (Cl. 285—72)



1. In combination, a corrugated metallic tube having an annular groove adjacent its end formed by deforming the corrugations in the tube, a collar seated in the groove and having a tapered outer surface, a coupling member clamping the collar to the tube, and means coacting with the coupling member in the clamping operation and arranged to compress the end of the tube beyond said annular groove into a substantially solid mass and form a conical nail in the end of the tube.

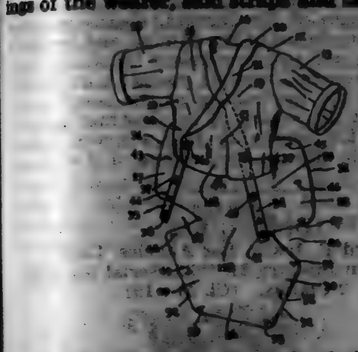
2,022,591
TIRE AND RIM CONSTRUCTION
Eric E. Hall, Chicago, Ill.
Application September 15, 1932, Serial No. 633,213
4 Claims. (Cl. 152—10)



1. In a tire and rim construction, the combination with a generally U-shaped rim, of an outer casing having its edges adapted to fit against the inner sides of the rim, a plurality of cam plates mounted in the rim and adapted to be turned into position to secure the casing in the rim, and means for locking the plates in their securing position, said means consisting of a plate for each of the cam plates secured on the inner side of the rim and having a pin extending through an aperture in the rim and into an aperture in the cam plate which registers with the aperture in the rim when the cam plate is in securing position.

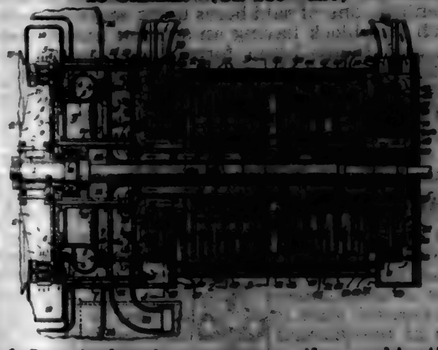
2,022,602
DIAPER GARMENT
Helen M. Hansen, Argyle, Wis., assignor to Martin Brothers Company, Minneapolis, Minn., a corporation of Minnesota
Application February 19, 1934, Serial No. 711,361
6 Claims. (Cl. 2—49)

1. A diaper including a front and a back, portions of one being adapted to overlap portions of the other along the sides of the diaper from top to bottom thereof, the lapping portions at each side of the garment having a series of paired registering button holes therein, a pair of straps, one for each side of the garment, each strap underlying the lapping portions of the diaper at its respective side and having thereon a series of buttons, one for each pair of registering button holes, each button being adapted to be buttoned into the respective pair of holes and fastening means secured to the lower portions of said straps for attachment to the stockings of the wearer, said straps and buttons being



adapted to distribute the pull of the stockings along the lapping portions of the diaper.

2,022,605
TURBO AIR COMPRESSOR
John O. Heintz, Detroit, Mich., assignor to Heintz Development Company, a corporation of Michigan
Application August 30, 1933, Serial No. 687,480
13 Claims. (Cl. 230—127)



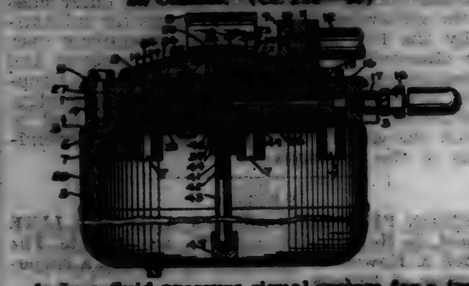
1. In a turbo air compressor, the combination of an external rotor having an air intake at each end, a manifold connecting said intakes, an internal stator having an air outlet intermediate its ends, a fixed axial member to which said stator is secured, said axial member forming an air outlet passage in communication with said air outlet of said stator, and means for rotating said rotor including a shaft extending axially through said axial member, and a motor attached to the outer end of said shaft.

2,022,604
ELECTRIC HEATER
Alfred Hermanni, Berlin-Frohnau, Germany, assignor to General Electric Company, a corporation of New York
Application July 12, 1933, Serial No. 679,713
In Germany October 6, 1934
9 Claims. (Cl. 219—27)



1. An electric hot-plate comprising a receptacle, a plurality of heating elements in said receptacle, a pivotal connecting member mechanically connecting one of said heating elements to said receptacle providing for limited movement of said heating element out of said receptacle and for rotation of said element relative to said receptacle and a member pivotally connecting another of said heating elements to said connecting member providing for movement of said other heating element out of said receptacle and for rotation thereof relative to said receptacle independently of said one heating element.

2,022,605
SIGNAL VALVE DEVICE
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 12, 1933, Serial No. 651,457
23 Claims. (Cl. 116—37)



1. In a fluid pressure signal system for a train, the combination with a train signal pipe charged with fluid under pressure, of a pneumatically operated signal indicating device, a valve device operative to vent fluid under pressure from the signal pipe, and means responsive to a reduction in signal pipe pressure, upon the vent valve device being maintained in venting position for a predetermined period of time, to supply fluid under pressure to the signal indicating device to effect the operation of the signal indicating device to indicate a signal for a predetermined uniform period of time regardless of variations in the rate and amount of reduction in signal pipe pressure.

2,022,606
PEDESTAL BRAKE VALVE DEVICE
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 20, 1934, Serial No. 749,290
17 Claims. (Cl. 303—86)



1. In a fluid pressure brake, in combination, a pedestal adapted to be mounted on the floor

of a vehicle, a brake valve device secured to an upwardly facing surface of said pedestal and having an overhanging downwardly facing surface, and a brake pipe discharge valve mechanism secured to said downwardly facing surface.

2,022,697
ROOFING
James L. Holt, Newfoundland, N. J.
Application February 7, 1934, Serial No. 710,123
5 Claims. (Cl. 189—19)



1. Roofing including a pair of parallel gutters, separate coverings of stiff sheet material arranged one on each side of the pair of gutters and respectively resting at their adjoining edge portions on the edges of the relatively outer sides of the gutters with their own edges for substantially the full length thereof respectively over the channels of the gutters, said gutters and coverings being inclined, and supporting structure including an elongated member extending lengthwise of and spacing the gutters and to which the gutters are rigidly secured independently of the coverings.

2,022,698
MOTION PICTURE CAMERA AND THE LIKE
Albert S. Howell, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application January 12, 1931, Serial No. 508,927
25 Claims. (Cl. 88—18.4)

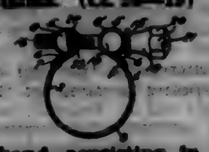


2. In a motion picture camera the combination with a camera device and a magazine for containing sensitized film adapted to be interchangeably mounted on the camera device and having its front wall portion curved and provided with a correspondingly curved intermittent film feed exposure guide, of an intermittent film feed shuttle pivoted on the camera device to one side of said magazine and having a portion projecting transversely in front of the magazine for engagement with a film in said guide, an exposure shutter pivoted on the camera device at said side of said magazine and having a shutter portion projecting transversely in front of the magazine, and means on said camera device at said side of the magazine for oscillating said shuttle and shutter in timed relation.

6. In a motion picture machine the combination of a revoluble ratchet toothed film roll drive element, a reciprocating ratchet member engaging said drive element for driving the same, a second ratchet member mounted on said first mentioned ratchet member for reciprocation therewith and engaging said drive element to cooperate therewith to drive said drive element at a fast rate, and automatic means for intermittently rendering said second ratchet member inoperative to effect a substantially uniform rate of feed movement of the film at the roll.

20. In a motion picture camera the combination with a camera device including a casing provided with an opening and a cover closing said opening, of means for stopping operation of the mechanism of the camera, means operated with the mechanism of the camera and normally maintaining said stopping means inoperative and adapted to render the same operative at the end of a run of the mechanism of the camera, and means under the control of opening movement of said cover for rendering said stopping means inoperative to effect a further run of the camera mechanism.

2,022,699
LOCKING-BAND
Clifford R. Irwin, Los Angeles, Calif.
Application January 21, 1935, Serial No. 2,762
2 Claims. (Cl. 24—19)



2. A locking-band, consisting in a circularly formed strap having an integral housing at each end, each said housing being formed with a pair of openings, all of said openings being in alignment, a cylindrical trunnion-block rotatively mounted in the respective housings formed with transverse bores in alignment with the housing-openings, one of said bores being screw-threaded, each said block having an annular groove therein, said straps being formed with indentations extending into the respective grooves, and a screw-bolt extending through said bores and threaded in said screw-threaded bore.

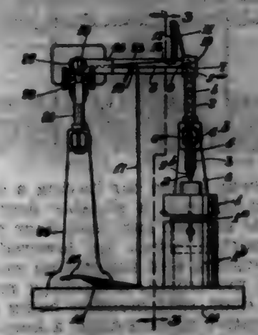
2,022,616
CABLE SPLICER
Isidore Jacoel, Norfolk, Va.
Application July 27, 1934, Serial No. 737,312
10 Claims. (Cl. 140—121)



1. A device of the character described including a handle having a flexible portion, a member carried by the handle and rotatable relative thereto, the member being engaged by the flexible portion of the handle which tends to restrict rotation of the member relative to the handle, and clamping jaws carried by the member.

2,022,611
PRECISION MEASURING INSTRUMENT
Carl Edvard Johansson, Detroit, Mich.
Application April 19, 1931, Serial No. 531,726
14 Claims. (Cl. 33—147)

1. In a precision measuring instrument, the combination of a measuring support, a measuring plunger movable relatively to said support, a lever mechanism having a short arm and a long arm, said long lever arm having a substantially vertical position, said plunger engaging said short arm so as to transmit its movements thereto, whereby said long arm will reproduce the movements of said plunger on an enlarged scale, a microscope located with its objective adjacent to the end of said long arm and a transparent scale in the ocular, whereby the movements of said end may be observed as well as the graduations on said scale, both in focus in the same plane, said micrometer-scale serving to determine the movements of said end.



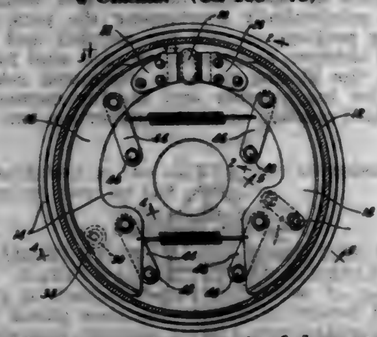
7. A precision measuring instrument comprising, a base, a coacting member movably mounted upon said base one end of which is adapted to bear against the work to be measured when said work is positioned upon said base and the other end of which is positioned so as to indicate the size of said work, means for urging said member against said work with a uniform predetermined force, a manually operated lever, and a connecting means connecting said lever and said member, so that manual actuation of said lever withdraws said member from the work being measured, said connecting means being a non-conductor of heat whereby the body temperature of the operator will not be transmitted to said coacting member.

2,022,612
BIRD CAGE SEED GUARD FRAME
Ben Kesvich, New York, N. Y.
Application April 25, 1935, Serial No. 18,152
7 Claims. (Cl. 119—17)



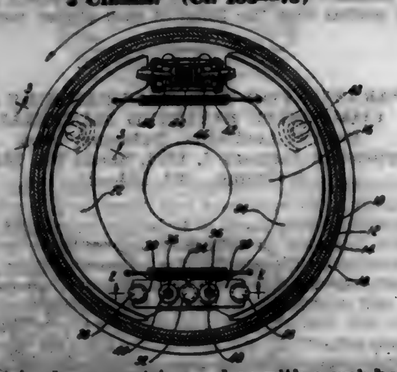
1. A bird cage seed guard, comprising several elements for engaging against the sides of a bird cage and having outward extending ends, a band with free ends attached upon said outward extending ends and adapted to have said free ends engaged together for clamping said several elements upon the sides of a bird cage, a member vertically spaced from said band and extending over all portions except the free ends of said band, spaced supports between said member and band, and a bag having its open top end between said member and band and attached upon said spaced supports.

2,022,613
BRAKE
Ludger E. La Brie, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 20, 1932, Serial No. 634,044
6 Claims. (Cl. 188—78)



1. A brake comprising a pair of shoes each provided with a pair of inclined parallel-motion anchoring links.

2,022,614
BRAKE
Ludger E. La Brie, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 6, 1933, Serial No. 659,369
3 Claims. (Cl. 188—78)



1. A brake comprising a shoe with a web having an opening at its end and with a pivot a short distance from said end, a pair of anchor links on opposite side of said web and notched at their ends for pivotal engagement with said pivot, and a fastening passing through the links and through said opening and normally preventing relative movement of the links and the shoe but permitting such movement of the links upon the pivot upon the application of a substantial force.

2,022,615
GLAZING STRUCTURE
George H. Leake, Elmhurst, Ill., assignor of one-half to Julius J. Olds, Oak Park, Ill.
Application January 8, 1934, Serial No. 705,758
8 Claims. (Cl. 189—16)

1. In a glazing structure, a supporting bar having an upwardly and laterally opening socket in its upper edge and flat throughout its vertical dimension, a pane supporting lug member seated directly upon the top of the bar and having a bifurcation for receiving the top of the bar, said

pane supporting lug member having legs embracing the lateral sides of the bar and pane supporting portions extending substantially beyond said lateral sides of the bar, a stud having a head engageable in said socket and a shank passing upwardly through said lug member, glazing parts supported by said lug member and including panes substantially overlapping the pane supporting portions of said lug member and supported thereon, and means on said stud for securing the glazing parts in assembled relation upon the lug member and the lug member in assembled position upon the supporting bar.



5. In combination a gutter member for glazing structures, said gutter member having an intermediate channel portion with folds forming the opposite sides of said channel portion, integral gutter portions flanking said folds, and glass seating members having downwardly directed channels seated over the folds of said gutter member.

2,028,616
APPARATUS FOR THE MANUFACTURE OF A COMPOSITE BUILDING MATERIAL
Emil C. Lostetcher, Dubuque, Iowa
Application January 7, 1934, Serial No. 704,831
8 Claims. (Cl. 134—1)



1. In an apparatus of the character described, the combination of a horizontal conveyor adapted to advance shallow open forms of board dimensions at a predetermined constant speed, a sifting device above said conveyor, means for feeding a loose material to said sifting device, and means for operating said sifting device whereby layers of predetermined uniform thickness and density are deposited in said forms.

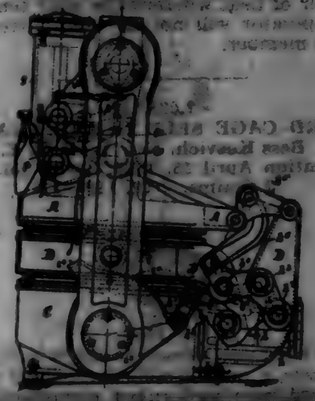
3. In an apparatus of the character described, the combination of a horizontal traveling conveyor adapted to advance forms of board dimensions from one end to the other thereof, a series of sifting devices mounted above and at spaced intervals along said conveyor, means for feeding loose materials of different compositions to predetermined sifting devices, and independent variable operating means for said sifting devices whereby the materials are deposited into said advancing forms in superimposed layers of predetermined uniform density and thickness.

2,028,617
CAR DOOR
Carl Lotz, Hammond, Ind., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application December 11, 1933, Serial No. 702,500
11 Claims. (Cl. 105—46)



1. In a railway house car having a door opening in a side thereof, a slidable door mounted upon said side of said car, said door being frictionally supported when in lowered position, means for elevating and supporting said door for antifrictional movement, a latching member secured to said door, said member being capable of movement relative to said door, a keeper secured to said car adapted to receive said member in the closed and lowered position of the door, said keeper being disposed substantially below said door opening, said member being automatically released from said keeper by the elevating movement of said door.

2,028,618
VULCANIZING PRESS
Colin Macbeth, Birmingham, England
Application June 22, 1932, Serial No. 617,333
In Great Britain June 26, 1931
10 Claims. (Cl. 18—17)

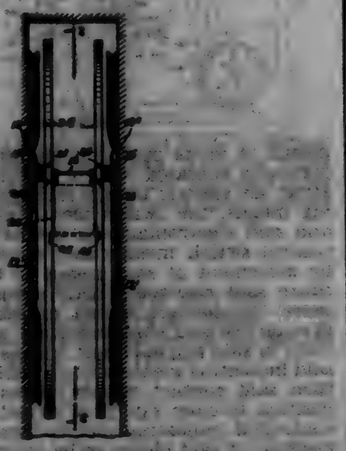


17. A power-operated double-mould vulcanizing press of the horizontal type comprising a lower stationary mould-member and two mould-members superposed thereon when in operative position, the superposed members being articulated by superposed hinges to a support, and being adapted to be swung relatively to one another and to the stationary mould-member, the pivot points of said superposed members being movable vertically to impart separating and closing movements to the said members, and means to move the pivot points during the separating and closing movements.

2,028,619
METHOD OF OBTAINING FINGERPRINTS
Justin J. McCarthy, Boston, Mass.
No Drawing. Application March 14, 1935, Serial No. 11,160
10 Claims. (Cl. 41—41)

10. The method of obtaining a finger print impression comprising passing a powder embodying hydroquinone and cotton on the finger print, the said hydroquinone exceeding the said cotton in the said powder by weight a plurality of times, placing a sensitized sheet which had been wet with a solution embodying sodium hydroxide and sodium sulphite in substantially equal parts and water, on said powdered finger print, and removing said sensitized sheet and wetting it with an acid fixing bath.

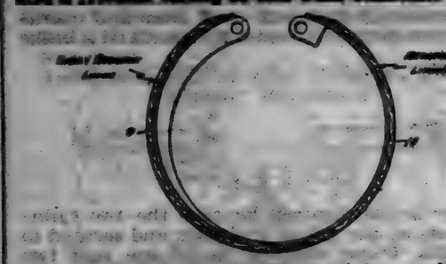
2,028,620
ONE-WAY ELEVATOR SYSTEM
Francis Miller, Brooklyn, N. Y.
Application October 24, 1934, Serial No. 749,087
6 Claims. (Cl. 187—16)



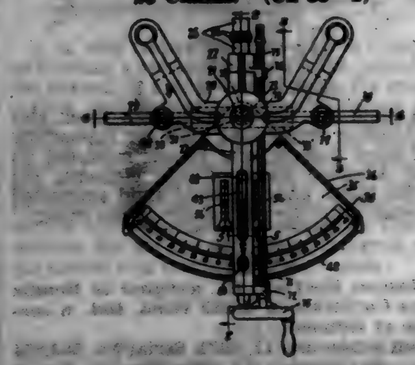
1. A one way elevator construction, comprising a pair of spaced vertically opposed annular members, each having laterally directed rack teeth on the sides thereof, downward directed rack teeth on the bottom, and upward directed rack teeth on the top, said all of said rack teeth continuing in a series, a car support frame between said pair of annular members, worms mounted on said frame and engaging said racks, means for driving said worms, a car depending from said frame, and tracks for guiding said frames to travel along said racks, said annular members having removable sections at the extreme tops and bottoms for the convenient removal of the car.

2,028,621
BRAKE APPARATUS
Raymond J. Norton, Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application June 16, 1931, Serial No. 544,896
1 Claim. (Cl. 188—78)

A brake apparatus comprising a drum, a non-rotating friction means within the drum comprising a single continuous band, said band including a relatively flexible loading part and a relatively rigid loaded part, a friction facing of highly wear resistant material secured to the loaded part and a friction facing of less wear resistant material attached to the loading part to equalize the extent of wear on the parts.



2,028,622
APPARATUS FOR CALCULATING THE ANGULARITY OF STEERING WHEELS
Clyde H. Phelps, Mount Vernon, N. Y., assignor, by mesne assignments, to The Master Electric Company, Dayton, Ohio, a corporation of Ohio
Application January 6, 1933, Serial No. 650,457
23 Claims. (Cl. 33—1)



14. In a calculating apparatus of the character described, a support, two members each pivotally and slidably mounted at a fixed point representing the pivot of one of a pair of steering wheels of a vehicle, a pivotal and slidable element arranged to be positioned at a point representing a known calculation made to determine the correct angle of one steering wheel when the other steering wheel is at a known angle, means for pivotally connecting said members and element on a common axis such that when said parts are moved to a position to bring one of said members on a line representing the axis prolonged of one steering wheel when in steering position the other member will represent the correct angle of the axis prolonged of the other steering wheel, and means for indicating such positions of said members.

2,028,623
BRAKE RIGGING
John E. Redford, Florissant, Mo., assignor to The American Brake Company, St. Louis, Mo., a corporation of Missouri
Application June 2, 1933, Serial No. 674,307
4 Claims. (Cl. 188—52)

1. In a brake rigging, the combination with a railway car truck comprising a truck frame and a plurality of wheels, of a slack brake rigging associated with each wheel comprising operatively connected truck levers located on the respective sides of a wheel, a dead lever pivotally mounted on the truck frame adjacent the transverse center line of the plane and operatively

connected to one of said truck levers, and a cylinder lever pivotally mounted on the truck frame in close proximity with said dead lever and operatively connected with said dead lever, and a brake



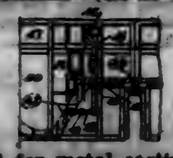
cylinder device disposed between the two cylinder levers at one side of the truck and secured to the truck frame adapted to actuate said two cylinder levers.

2,028,624

APPARATUS FOR MAKING CASTINGS

Harry E. Rogers, Wyanewood, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application June 26, 1933, Serial No. 677,538
6 Claims. (Cl. 22—93)



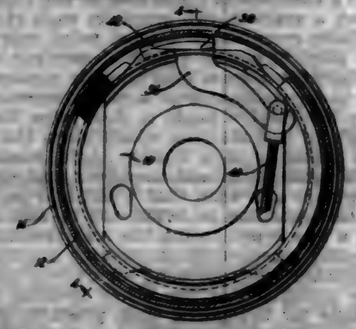
1. In a mold for metal castings, a flask, elements extending across said flask for supporting the mold sand therein, and means mounted on said flask adjacent some of said elements for moving the latter and the mold sand supported thereby relative to the remainder of the mold.

2,028,625

BRAKE

Adolph Roemer, Rockton, Ill., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Illinois

Application September 17, 1931, Serial No. 563,254
24 Claims. (Cl. 188—78)



1. A brake comprising a backing plate of pressed sheet-metal having outwardly-extending radial lugs at its periphery forming anchors arranged in spaced relation upon its perimeter.

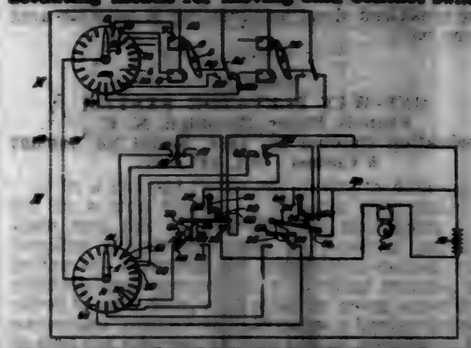
2,028,626

REMOTE CONTROL DEVICE

Manfred Schleicher, Berlin-Charlottenburg, and Leo Brandenburger, Berlin-Halensee, Germany, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application November 7, 1927, Serial No. 231,684
In Germany November 11, 1926
4 Claims. (Cl. 177—311)

1. A remote control device, comprising means to be controlled mounted at a sub-station, manually operated switch means mounted in the main controlling station, contact switch means in said main station, means at the sub-station for varying the position of said means to be controlled, an electrical circuit connecting said manually operated switch means, said contact switch means and said position varying means, said means for varying the position of said means to be controlled being controlled through said circuit by said manually operated switch means, an alarm circuit having contacts adapted to be closed by said contact switch means, manually controlled movable indicating means having switch means attached thereto, electromagnetic actuating means for moving said contact switch



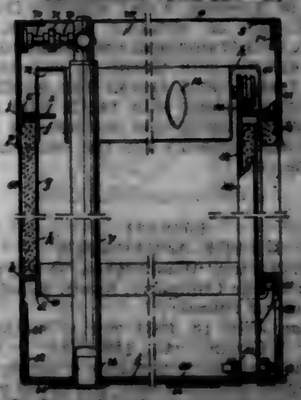
means to break said first circuit to render said manually operated control switch means inoperative, an electric circuit including said indicating means, the switch means attached thereto, and said electromagnetic means for moving the control switch means, said circuit being closed by movement of said means to be controlled to cause said electromagnetic actuating means to move the contact switch means to break said first circuit and simultaneously to close the contacts in said alarm circuit, means associated with said indicating means and operable thereby to return said contact switch means to its original position to close said first circuit, said manually controlled indicating means then indicating the position of said means to be controlled.

2,028,627

TELEPHONE BOOTH

Percival H. Sherren, Jamaica, N. Y.

Application November 7, 1932, Serial No. 641,571
23 Claims. (Cl. 179—2)



1. A telephone booth comprising a floor, a cylindrically shaped wall extending from the floor throughout the height of the booth and provided

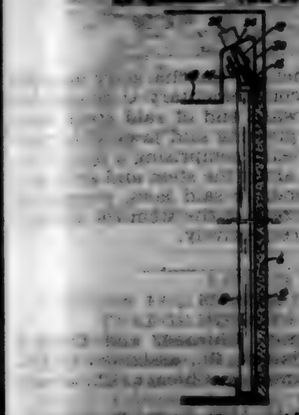
with an opening forming a doorway, a door adapted to close said doorway, and a removable top comprising a roof and an annular flange thereon adapted to engage the upper end of the cylindrical wall.

2,028,628

TELEPHONE BOOTH

Percival H. Sherren, Jamaica, N. Y.

Application May 31, 1932, Serial No. 614,827
12 Claims. (Cl. 20—12)



1. A telephone booth provided with a vertical door moving in an arcuate path, a curved track and rollers running on said track for supporting said door, said rollers having their axes inclined to the horizontal.

2,028,629

AUTOMATIC LOCKING DEVICE

Sheldon T. Smith, Detroit, Mich.

Application September 5, 1933, Serial No. 688,140
8 Claims. (Cl. 192—8)



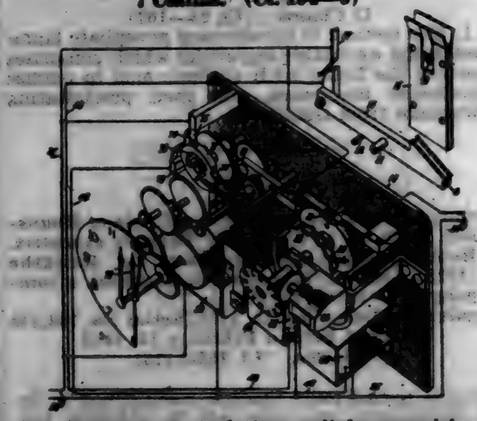
1. An automatic locking device adapted for engaging two mounted members together, comprising a casing formed with a cylindrical chamber therein and provided with a center pivot shaft therethrough concentric with the casing chamber axis, a circular lock disc having one receded edge loosely fitted within the said casing chamber and concentric therewith, but capable of slight edgewise displacement therein, sufficient to form a locking angle between the disc edge and the chamber wall, said lock disc being formed with an irregular shaped central opening surrounding the pivot shaft, an irregular shaped lock hub having rotatable means provided thereon, loosely but rotatably mounted on said pivot shaft, positioned within the disc central opening, for engaging the disc opening walls concentrically and displacing the said lock disc edgewise within the casing chamber when a force is applied rotatably in one direction to said lock hub, sufficient to cause the two members to engage and lock together.

2,028,630

COIN TIME SWITCH SYSTEM

Julian H. Stark, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application May 11, 1931, Serial No. 536,393
7 Claims. (Cl. 194—9)



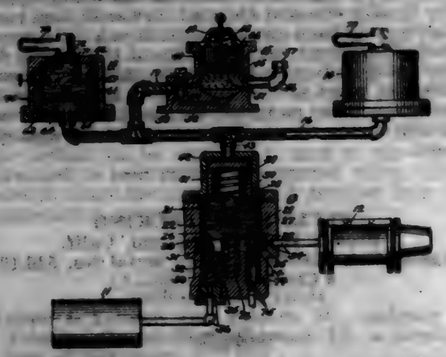
1. A coin controlled time switch comprising a coin chute, a service switch, means operative upon the deposit of a coin in said chute for closing said switch, a continuously operated timing device, a clock driven thereby, timing interval means driven by said timing device for causing the opening of said service switch a predetermined interval of time after it is closed, and means responsive to the closing and opening of said switch for respectively connecting and disconnecting the driving connection between said timing device and timing interval means.

2,028,631

FLUID PRESSURE BRAKE

Roy R. Stevens, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application March 24, 1932, Serial No. 602,479
2 Claims. (Cl. 60—54.6)

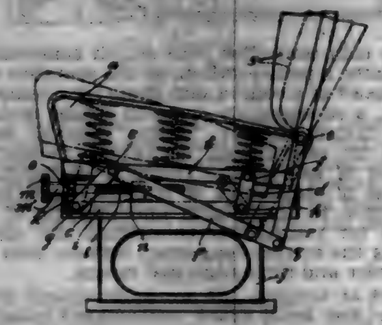


1. A fluid pressure impulse device comprising a casing having a cylinder, a piston within said cylinder having a cam member thereon, a manually operated rotary cam member mounted on said casing and adapted to engage and cooperate with said cam member on the piston for moving said piston against the pressure of fluid acting thereon, said cam members cooperating to retain the piston in any position to which it is moved against the pressure of said fluid, and without the application of operating force.

2,028,623
MANUFACTURE OF PHOSPHATES
George E. Taylor, Westfield, N. J., assignor to General Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application July 12, 1932, Serial No. 622,106
11 Claims. (Cl. 23—107)

1. The method of decolorizing phosphate liquor containing oxidizable impurities which comprises treating the liquor with chromic acid to oxidize discoloring impurities, and then precipitating chromium from the liquor.

2,028,632
SEAT
Sydney Edward Thomas, deceased, late of Hounslow, England, by Eva Emily Thomas, executrix, Hounslow, England, assignor to Quickthe (1928) Limited, Wandsworth, England, a company of Great Britain
Application December 29, 1932, Serial No. 647,530
In Great Britain February 10, 1932
7 Claims. (Cl. 155—116)



1. An adjustable seat structure comprising a base, angularly movable seat and back elements, means supporting the seat element on said base causing the seat element through forward movement to rise at its front edge and to lower at its rear edge, mechanism connected to the seat element and to said base element manually operative to slide the seat element forwardly and rearwardly, said back element including a rigid means pivoted adjacent the rear edge of the seat to the base, and linkage connected to said rigid means below its pivot and to the means supporting the seat element so as to tilt the back element rearwardly during forward movement of the seat element.

2,028,634
FLUID PUMP PACKING
Brooks Walker, Oakland, Calif.
Application March 30, 1931, Serial No. 526,191
8 Claims. (Cl. 286—1)



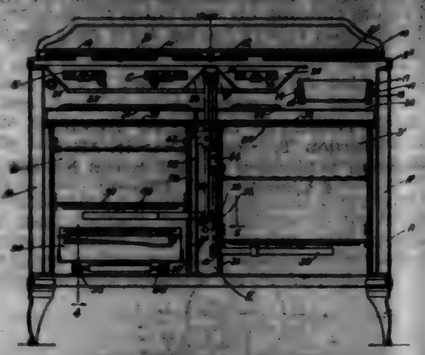
1. A packing element for self sealing a shaft against the pressure of a fluid having a body portion out of contact with the shaft, a flexible tapered lip portion engaging the surface of the shaft and integral means within said lip portion of said element for effecting its lubrication relative to the surface of the shaft.

2,028,635
PERFORATED SURGICAL INSTRUMENT
Frederick Charles Wappler, New York, N. Y.
Application September 11, 1933, Serial No. 688,681
20 Claims. (Cl. 174—98)



9. In an instrument of the character described, a stem, a pair of complementary U-shaped jaws pivoted to the forward end of said stem, means for independently pivoting said jaws with respect to the stem, said means comprising a pair of control rods arranged along the stem and articulated at their forward ends to said jaws, respectively, and devices at the rear of the stem for actuating said control rods, respectively.

2,028,636
RANGE
George D. Wilkinson, Chicago, and Elmer D. Pellegrin, Des Plaines, Ill., assignors to Cribben & Sexton Company, Chicago, Ill., a corporation of Illinois
Application April 16, 1932, Serial No. 605,746
5 Claims. (Cl. 126—39)

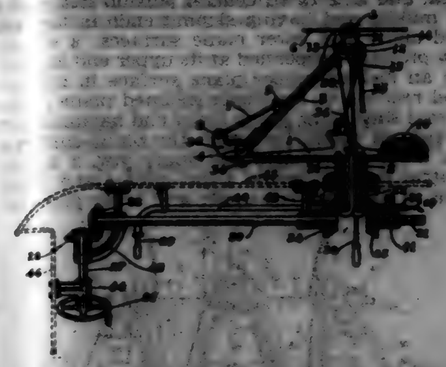


1. In a range, a frame, a pair of covers hingedly connected to said frame, burners supported in the top of said range below said covers, and guide trays supported below said burners, said guide trays being provided with inwardly inclined sides and having their adjacent sides providing a pipe-space compartment between them.

2,028,637
REVERSIBLE MOUNTING FOR TROLLEY WHEELS
James C. Wilson, Traverse, Mi.
Application March 31, 1934, Serial No. 718,488
9 Claims. (Cl. 191—64)

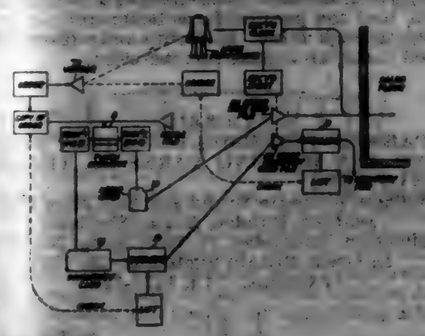
1. A reversible mounting for trolley wheels comprising a frame, a vertical pivotal support therefor, a trolley pole pivotally mounted on the frame, and a trolley harp pivotally supported at the end of the trolley pole about a vertical axis and normally positioned substantially vertically above the pivotal support for said frame; means operatively connected with said frame for the horizontal rotation thereof upon its pivotal support, means for holding said trolley wheel in alignment with said trolley pole when in use, and

means for releasing said holding means to permit the trolley pole to rotate with the frame support



therefor while the wheel remains on the trolley wire.

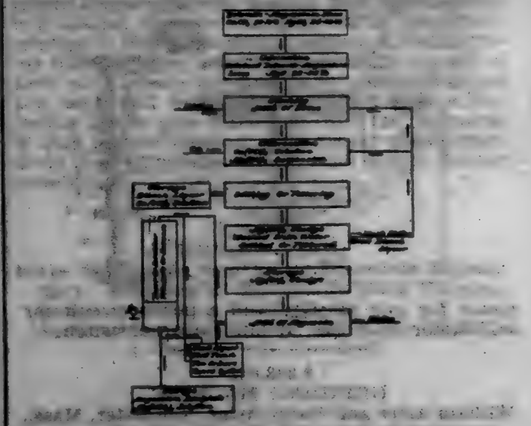
2,028,638
MEANS FOR CONTROLLING CARD PERFORATING MACHINES
Louis Frank Woodruff, Brighton, Mass., and Martin L. Nelsen, Park Ridge, Ill.; said Nelsen assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware, and said Woodruff assignor to Central Records, Inc., Chicago, Ill., a corporation of Delaware
Application June 17, 1929, Serial No. 371,417
Renewed June 17, 1933
42 Claims. (Cl. 164—113)



1. In a card perforating system, two card perforating mechanisms each having a carriage operated step by step to successive setting positions, a single set of keys for controlling the operation of both said mechanisms, means for moving the carriage of the first mechanism to successive setting positions responsive to each successive operation of said keys, and means for moving the carriage of the second mechanism to successive setting positions responsive to only each successive second operation of said keys.

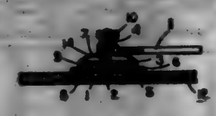
2,028,639
DECALCIFICATION OF MAGNESIAN DOLOMITES
Clyde Douglas Wygal, Manistique, Mich., assignor to Inland Lime and Stone Company, a corporation of Michigan
Application October 20, 1934, Serial No. 750,207
7 Claims. (Cl. 23—120)

5. In the method of preparing magnesium bisulphite from a high magnesian rock containing calcium, the steps of calcining the rock to produce a mixture of calcium and magnesium oxides, adding water to the oxides and chlorinating the resulting mixture to chlorinate substantially



all of the calcium without chlorinating substantial amounts of the magnesia, separating the residual magnesia, and treating it with sulphur dioxide to produce magnesium bisulphite.

2,028,640
SUCTION CUP
Louis Enigw, Lynn, Mass.
Application May 27, 1935, Serial No. 22,617
1 Claim. (Cl. 248—206)

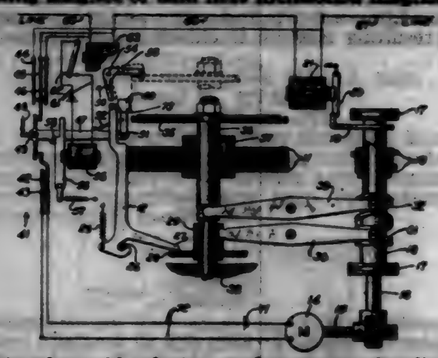


A suction cup for attaching an article to a support, said suction cup comprising a rubber body member having a normally flat continuous suction face and having a relatively thick central portion, a relatively thin annular portion surrounding the central portion and a peripheral bead at the outer margin of the relatively thin portion, a threaded stud anchored in the thick portion, a cup-shaped compression member enclosing the thicker portion and having its edge bearing against the thinner portion inside of the bead, said screw-threaded stud extending through the compression member and through the article to be supported, and a nut screw threaded to said stud and adapted when tightened to draw the central thick portion into the compression member.

2,028,641
MOTOR CONTROL
Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application November 1, 1934, Serial No. 752,513
13 Claims. (Cl. 172—4.1)

1. In a motor control system, a mechanical selector, a selectable mechanical member operable thereby, a magnet, an electric switch operable in one manner under control of said mechanical member and subsequently operable in reverse manner under control of said magnet, a line circuit, a line signaling magnet for said mechanical selector normally included in said line circuit, contacts in said electric switch for including in

said line circuit alternatively either said line signaling magnet or said first mentioned magnet, a

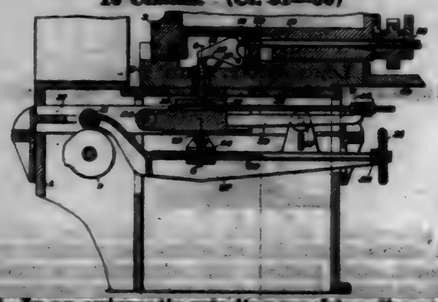


motor for said selector, and a power circuit for said motor controlled by said electrical switch.

2,028,642
GRINDING MACHINE

William Arter and Harry Arter, Worcester, Mass., assignors to Arter Grinding Machine Company, Worcester, Mass., a corporation of Massachusetts

Application September 24, 1930, Serial No. 484,870
Renewed January 13, 1934
16 Claims. (Cl. 51—50)



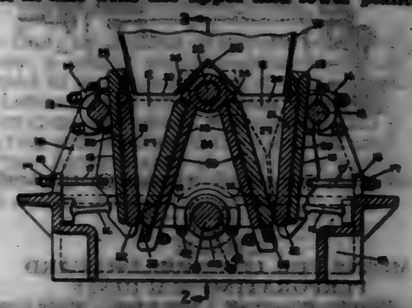
1. In an automatic grinding machine, the combination of a grinding wheel support; a work support; a machine bed having guideways upon which one of said supports is mounted for sliding movement to produce relative approaching and receding movements of the work and grinding wheel; a rod adjustable in said slidable support; screw threaded means for adjusting said rod relatively to said support; power driven mechanism operable through said rod to control said approaching movement; and a stop rigid with the machine frame for engaging said rod and limiting said approaching movement, said mechanism comprising a power driven cam, a lever operated thereby, means for transmitting the motion of said lever to said rod, said cam having a portion to control said relative approaching movement and another portion to permit the grinding out operation at the end of said approaching movement, and means adjustable to vary the ratio between said approaching and grinding out periods.

2,028,643
CRUSHER

Johan R. Bohstad, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a corporation of Ohio

Application November 26, 1930, Serial No. 498,121
1 Claim. (Cl. 83—53)

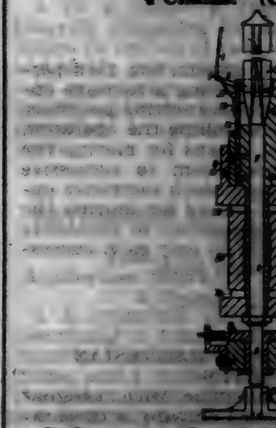
A crusher comprising a stationary jaw having an inclined plane face at its upper end, a substantially vertical plane face at its lower end, said upper and lower faces being of substantially equal area, and a serrated central portion flattened at its middle and having sloping ends in line with said upper and lower plane surfaces; a movable jaw pivotally suspended at its upper end and having an inclined upper plane surface in non-parallel relation to the upper inclined plane surface of said stationary jaw, a lower end having a plane surface in parallelism with the plane surface at the lower end of said stationary jaw, a serrated central portion having a flat middle and sloping ends in line with the upper and lower plane surfaces; and jaw actuating means disposed substantially in the vertical plane of said movable jaw pivot to engage the lower end of said pivotally suspended jaw in line with the parallel lower plane surfaces of said jaw to effect a crushing movement of said movable jaw relative to the path of movement of material passing between the crushing portions of the jaws, the non-parallel faces forming a material receiving throat from which material is discharged in comminuted form, and the parallel faces being in close proximity to each other, to permit only finely powdered material to pass therebetween.



2,028,644
APPARATUS FOR SIMULTANEOUSLY TWISTING AND WINDING YARNS OR THREADS INTO COPS

William Thomson Brand and Eric John Fairweather, Dundee, Angus, Scotland

Application September 27, 1934, Serial No. 42,548
In Great Britain September 29, 1934
4 Claims. (Cl. 117—27)



1. Apparatus for simultaneously twisting together a plurality of yarns or threads and winding the same into a cop or the like, comprising a rotary cop-receiving structure, an axially movable spindle coaxial with said structure, and relatating yarn guides, one carried by said structure, and a cam for imparting traversing movements to the other of said guides, the axis of said cam lying on the axis of rotation of said structure.

2,028,645
FOUNTAIN PEN

Nathan G. Burgeler, Chicago, Ill.

Application July 14, 1933, Serial No. 679,626
15 Claims. (Cl. 120—47)



1. In a fountain-pen: a barrel, an opening in the top end of barrel, a cap adapted to close said opening, a piston-rod loosely mounted in said cap and slidable thru said opening, lower end of said piston-rod, when in its lowest position, being free to move laterally.

2,028,646
COMPOSITE LOCOMOTIVE DRIVING WHEEL

Amos G. Cole, Barrahan, Pa.

Application June 27, 1932, Serial No. 619,437
11 Claims. (Cl. 295—6)

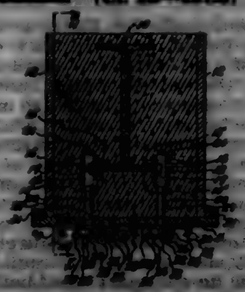


3. A composite locomotive driving wheel comprising, in combination, a rim, a central member of irregular shape providing a hub and wristpin support, and means connecting said central member and rim in supporting relation including plate steel sides having inner edges conforming to the irregular shape of said central member and secured thereto, and means for supporting a tire by said plates.

2,028,647
FORM ATTACHING SUPPORTING MEANS

Samuel S. Colt, Orange, N. J.

Application January 9, 1934, Serial No. 705,883
9 Claims. (Cl. 25—121.5)

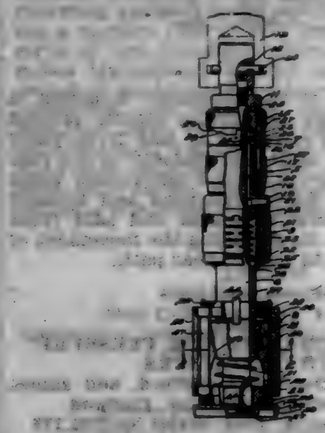


1. Means cooperable with structural iron or steel elements for supporting forms in connection therewith, comprising a hanger member having a suspension ear to engage the element, a supporting member, a bolt assembled with said supporting member, said supporting member having means cooperable with the bolt head to retain the bolt against rotative and longitudinal movement relative to said supporting member, said supporting member being adapted to abut and support a form wall, means for detachably connecting said bolt with said hanger member, a laterally projecting spacer stop extending from the outer side of said hanger member, and keeper arms oppositely projecting from lateral sides of said hanger member.

2,028,648
HONING TOOL

Kirke W. Comtor and Albert Elesadale, Detroit, Mich., assignors to Micromatic Hone Corporation, a corporation of Michigan

Application July 15, 1932, Serial No. 622,688
4 Claims. (Cl. 51—124.5)

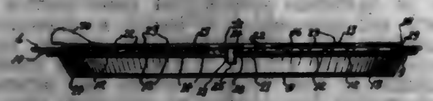


1. A honing tool including, in combination, a unit spindle, expansible abrading elements tiltably mounted for radial movement on said spindle, a spring associated with the lower ends of said elements for biasing them inwardly toward the spindle, and a spring of less tension than said first spring associated with the upper ends of said elements for biasing them toward the spindle.

2,028,649
BROILER

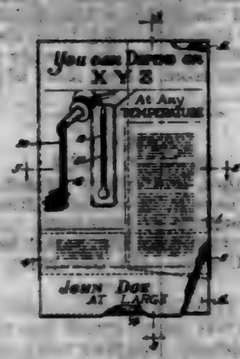
James P. Conroy, East Orange, N. J.

Application September 5, 1934, Serial No. 742,719
10 Claims. (Cl. 53—6)



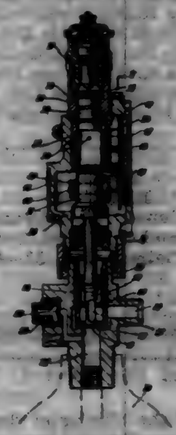
1. A broiler of the character described having movable bars for serving as a food supporting surface, and means for moving said bars, whereby when said bars are in one position they enable the broiler to provide a continuous, smooth and unbroken surface for supporting food during the singeing thereof, and when said bars are in another position they enable the broiler to provide an apertured upper surface for supporting food during the broiling thereof.

2,028,639
ADVERTISING FOLDER
Terence P. Cunningham, Chicago, Ill., assignor, by mesne assignments, to Donnle-Kircher Organization, Inc., Chicago, Ill., a corporation of Illinois
Application May 19, 1934, Serial No. 726,534
5 Claims. (Cl. 40—65)



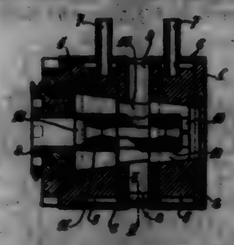
1. In a device of the character described, a front panel having advertising matter printed thereon, a lateral extension of said front panel integral with the same and foldable to the rear of said front panel, a second advertising panel united with said lateral extension and foldable between said lateral extension and said front panel, and means for confining the movement of said second panel to a rectilinear path.

2,028,651
RELEASE MECHANISM FOR PRESSURE FLUID CONTAINERS
Reginald Foster Dagnall, Guildford, and James Graham Lambert, Leicester, England
Application June 18, 1934, Serial No. 731,175
In Great Britain June 24, 1933
3 Claims. (Cl. 221—75.5)



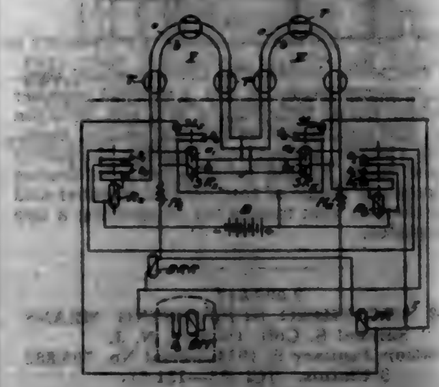
1. In a flotation gear for aircraft, a release mechanism comprising in combination a frangible closure for the container, a cutter, means for driving the cutter foward to pierce the closure and release the gas from the container, a pawl and cooperating ratchet one of which elements is fixed and the other movable with the means for actuating the cutter, said pawl and ratchet being capable of relative movement to allow the cutter to move forward and pierce the closure, and a spring adapted to hold the pawl and ratchet in locking engagement to prevent return movement of the cutter.

2,028,656
DRAWING OF WIRES
Jean de Malsitior, Sainte-Foy les Lyon, France
Application June 20, 1934, Serial No. 732,143
5 Claims. (Cl. 205—65)



1. A wire drawing device comprising in combination a cylindrical die-holder having circular grooves on its outer periphery; a tube tightly fitting on said grooved portion; a cooling fluid inlet in communication with one of said grooves; a cooling fluid outlet in communication with another one of said grooves; and passages between said grooves to ensure circulation of the cooling fluid.

2,028,663
FIRE ALARM SYSTEM
Olof Ingemar Harald Ekman, Stockholm, Sweden, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden, a company of Sweden
Application May 19, 1931, Serial No. 538,561
In Sweden May 7, 1930
4 Claims. (Cl. 177—353)



1. In an automatic fire alarm system, a protective circuit including a plurality of loops each made up of two adjacent parallelly extending conductors, the corresponding conductors of all loops being connected in series so as to form two circuit branches connected in parallel to a common source of current, thermostatic circuit breakers inserted in both conductors of each loop, a first electromagnet coil in one of said circuit branches, a second electromagnet coil in the other of said branches, an alarm, contact means and connections controlled by said electro-magnet coils, jointly, for closing a circuit through the alarm on the de-energization of both conductors, indicating means individual to each loop including two windings, each normally shortcircuited by one loop conductor, an indicator for each loop and connections and contact means controlled by said windings to close a circuit through a corresponding indicator, on a break in any loop.

2,028,654
PROCESS FOR THE PREPARATION OF ETHERS HAVING AT LEAST 8 CARBON ATOMS IN THE MOLECULE
Eberhard Ellel, Duesseldorf, Germany, assignor to Henkel & Cie, G. m. b. H., Duesseldorf, Germany
No Drawing. Application March 14, 1933, Serial No. 660,774. In Germany March 24, 1932
17 Claims. (Cl. 260—151)

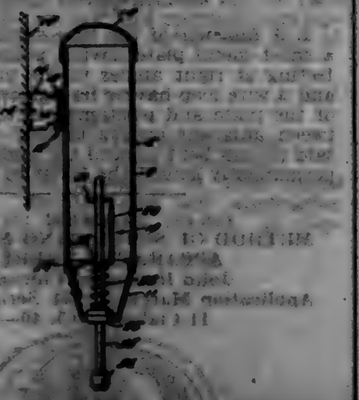
1. The process for the preparation of ethers having at least 8 carbon atoms in the molecule, characterized in that the acid esters which are obtained from polybasic oxygen containing mineral acids and non-aromatic alcohols of the group consisting of aliphatic alcohols containing at least 12 carbon atoms and hydroaromatic alcohols, are reacted with organic hydroxy compounds of the group consisting of alcohols and phenols in an alkaline medium.

15. As new products of manufacture, monoalkyl-ethers of glycerol of the structural formula

R—O—CH_2——CHOH—CH_2OH

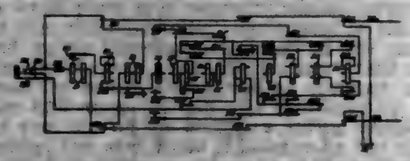
where R is a member of the group consisting of the dodecyl and the tetradecyl radical.

2,028,674
FLUENT MATERIAL DISPENSING DEVICE
Marcia Wilson Fitzhue, San Francisco, Calif.
Application December 15, 1933, Serial No. 702,599
Renewed July 5, 1935
3 Claims. (Cl. 221—62)



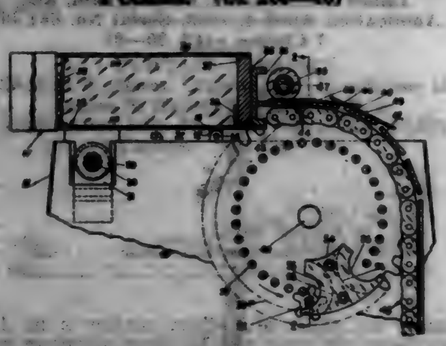
1. A dispensing device of the class described comprising a container having a hopper-shaped lower end provided with a centrally arranged hole, a guide member located in the container, a stem supported for vertical movement by said guide member, said stem having a valve member intermediate its ends for closing the hole, a spring for normally holding the stem in a position with the valve member closing the hole, and a downwardly curved strip having a centrally arranged hole therein through which the stem passes, with one end of the spring bearing against the central part of the strip to hold the same against the valve member, said strip being slidably and rotatably arranged on the stem and acting as an agitator for the material within the container.

2,028,656
AUTOMATIC TELEPHONE SYSTEM
Fernand Pierre Gehaval, Paris, France, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 15, 1933, Serial No. 670,831
In France October 14, 1932
31 Claims. (Cl. 179—18)



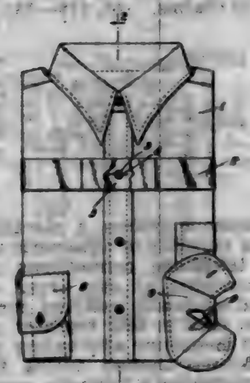
1. In a telephone system, a plurality of trunk circuits and a plurality of automatic switches for establishing telephone connections, an impulse repeater common to all said trunk circuits for operating said automatic switches, means including a vacuum tube in said repeater operated by series of high frequency alternating current impulses transmitted thereto during the dialling period in establishing a telphone connection for converting said series of impulse into corresponding series of direct current impulses for operating said switches, and means for associating said repeater with any of said trunk circuits only during the dialling period in establishing a telephone connection.

2,028,657
FILLING MACHINE
Max Goldberg, New York, N. Y.
Application February 17, 1934, Serial No. 711,795
3 Claims. (Cl. 226—46)



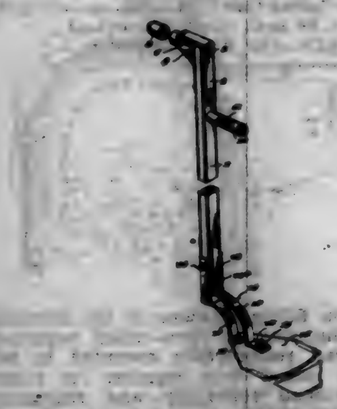
1. A cushion filling machine of the character described comprising an open-ended receptacle, a plunger-head reciprocably mounted in said receptacle, a linked drive member for sliding said plunger-head forwardly and rearwardly within said receptacle, means for temporarily keeping said linked member rigid in alignment in said receptacle to operate said plunger-head, and means for actuating said linked member forwardly and reversely, said actuating means comprising a wheel provided on one face with a circumferential series of pins positioned in perpendicular relation to said face, a driving pinion supported for movement with respect to said wheel and which coacts with said pins, and a guide member fixed to said wheel and providing opposed concave guide surfaces for guiding said pinion during the movement of said pinion with respect to the wheel.

2,028,638
SHIRT
Deckerd J. Gray, Ware Shoals, S. C., assignor to Riegel Textile Corporation, New York, N. Y., a corporation of New York
Application December 22, 1934, Serial No. 758,789
2 Claims. (Cl. 223—37)



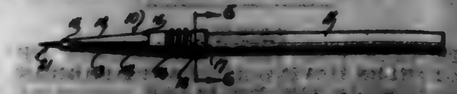
1. As a new article of manufacture, a folded shirt and a retaining band surrounding the same and attached at the front to a button thereof and at the back having its ends attached together and to the tail of the shirt.

2,028,650
HAND TOOL FOR CUTTING GRASS, WEEDS, AND THE LIKE
James L. Green, Sr., Birmingham, Ala.
Application April 4, 1933, Serial No. 664,465
7 Claims. (Cl. 30—9)



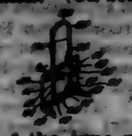
1. A tool of the class described comprising an elongated shank, a forwardly extending cutting blade carried by the lower end of the shank, a rearwardly extending bracket carried by the upper end of the shank, a rotating hand grip supported upon said bracket in rearwardly spaced relation with respect to said shank, and a second grip member carried by the front face of the shank and extending forwardly thereof and arranged in spaced relation with respect to said first mentioned grip for facilitating the swinging of said shank upon said first mentioned grip in a pendulum-like manner.

2,028,660
PENCIL SHARPENER
Elias Ernest Grossman, Chicago, Ill.
Application November 6, 1934, Serial No. 752,774
1 Claim. (Cl. 120—87)



In a pencil sharpener, a conical body portion, a cylindrical threaded portion at the larger end of the conical portion, and a plain cylindrical terminal end outwardly of the threaded portion and of the same diameter as the threaded portion, a sharpening blade extending longitudinally of the conical portion and a thread cutting finger carried by the terminal end of the sharpener outwardly of the threaded portion to provide a thread on the pencil in advance of the threaded portion of the sharpener to receive the threads of the latter, said thread cutting finger being resilient and exposed at the outer side of the plain cylindrical portion for manual pressure, whereby pressure thereon regulates the depth of the thread cut in a pencil.

2,028,661
BOX FASTENER
Carl E. Gustafson and Harry R. Holbrook, Attleboro, Mass., assignors, by direct and mesne assignments, to The Mason Box Company, Attleboro Falls, Mass., a corporation of Massachusetts
Application September 17, 1931, Serial No. 563,304
2 Claims. (Cl. 292—253)



1. A fastener of the type specified comprising a sheet-metal plate having pointed prongs projecting at right angles to the plane of its face, and a wire loop having its legs overlying the face of the plate and positioned in the openings between adjacent prongs thereof with certain of said prongs bent around the ends of the loop to permanently attach the latter to the plate.

2,028,681
METHOD OF SIMULATING MOTION AND APPARATUS THEREFOR
John Hansmann, Chicago, Ill.
Application March 5, 1934, Serial No. 714,144
11 Claims. (Cl. 40—44)

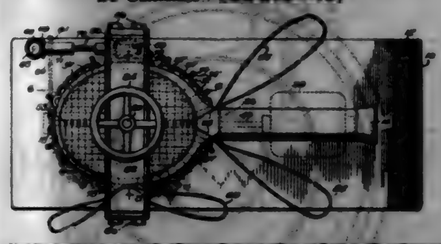


1. The method of simulating animation in a scene adapted to apparent animation which com-

prises passing a plurality of beams of light through a refractive medium toward the scene in such manner that adjacent beams are concentrated and are refracted in markedly irregular and different directions, and continuously passing a plurality of small openings across said beams.

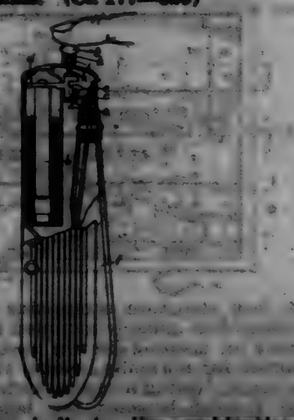
5. Apparatus for producing an animated picture, comprising a luminous element, means for distorting and concentrating the light from said element, means for continuously moving a plurality of small openings across the light, and a scene adapted to apparent animation upon which the light passing through said openings is concentrated.

2,028,682
APPARATUS FOR STRINGING TENNIS RACKETS
John William Harroff, Youngstown, Ohio
Application January 2, 1935, Serial No. 197
20 Claims. (Cl. 273—73)



1. Apparatus of the character described comprising a pair of complementary guide plates corresponding in shape and size to the inside of a tennis racket frame and adapted to be arranged therein in face to face relation, said plates being provided in their adjacent faces with corresponding grooves forming guide openings for the passage of the racket strings, said openings registering at their ends with the string openings of the racket frame.

2,028,684
VEHICLE DIRECTION INDICATOR
Rudolf Hohenmann, Berlin, Germany
Original application November 28, 1930, Serial No. 498,886. Divided and this application August 12, 1934, Serial No. 739,872. In Germany January 27, 1930
2 Claims. (Cl. 177—329)



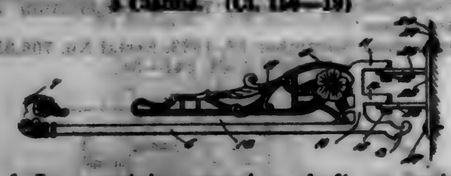
1. In a direction indicator the combination of a casing, an indicating arm pivoted at the upper end of the casing, a solenoid disposed within the casing and having a core with respect to which the indicating arm is normally parallel, a head plate on the core, an abutment formed integral with the head plate, a pin connected to the arm, said pin being arranged above and towards the solenoid side of the pivot of the arm, said pin normally bearing against the abutment in a direction substantially at right angles to the axis of the solenoid to retain the arm within the casing, an actuating member formed integral with the head plate and normally spaced away from the pin, whereby initial movement of the solenoid moves the abutment clear of the pin and releases the arm while further movement of the armature causes the actuating member to engage and move the pin and consequently swing the arm out of the casing, a spring adapted to cushion the arm when it returns to the normal position, and means externally of the casing so as first to move the abutment into a non-retaining position and then to allow the arm to be swung outwardly independently of energization of the solenoid.

2,028,685
CURTAIN SUPPORT
Charles P. Henry, Cranston, R. I., assignor to James N. Henry, Providence, R. I.
Application July 27, 1935, Serial No. 33,428
4 Claims. (Cl. 156—19)



1. In a curtain support, a shaft, an upright post upon the shaft, an arm upon the upper portion of the post, and a depending pivot lug upon the arm.

2,028,686
CURTAIN SUPPORT
Charles P. Henry, Cranston, R. I., assignor to James N. Henry, Providence, R. I.
Application July 27, 1935, Serial No. 33,429
5 Claims. (Cl. 156—19)



1. In a curtain support, a shaft, an upright post upon the shaft; an arm upon the upper portion of the post, a pivot lug upon the arm, a second arm upon an intermediate portion of the post, and a pivot lug upon the second arm.

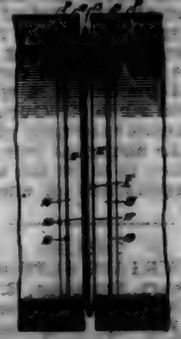
2,028,687
CURTAIN SUPPORT
Charles P. Henry, Cranston, R. I., assignor to James N. Henry, Providence, R. I.
Application July 27, 1935, Serial No. 33,430
4 Claims. (Cl. 156—19)



1. In a curtain support, a shaft, an upright pivot post upon the inner end of the shaft, a sec-

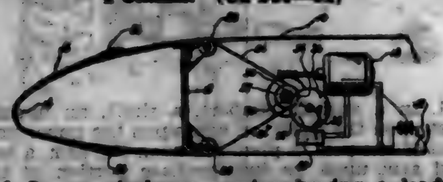
and post upon the shaft spaced from the pivot post, an arm upon the upper portion of the spaced post, and a depending pivot lug upon the end of the arm in vertical alignment with the pivot post and spaced therefrom.

2,028,662
JOINT FOR CONCRETE PIPES
William S. Hewett, Elmhurst, Ill.
Application December 6, 1934, Serial No. 756,395
2 Claims. (Cl. 285—98)



2. An expansion joint for use in securing the ends of two concrete sections in spaced aligned relationship, comprising a reinforcing bar having a web embedded in each section so that the bar lies substantially flush with the inner surfaces of the sections adjacent the spaced ends thereof, a substantially V-shaped joining member for said sections adapted to extend outwardly therebetween, said member having oppositely extending flanges at its base adapted to extend into and embrace the inner faces of said bars, and means securing each of said flanges to said bars with the ends of said sections abutting the base of said V-shaped member.

2,028,669
ICE REMOVING MEANS
Thorp Hiscock, Seattle, Wash., assignor, by mesne assignments, to United Air Lines Transport Corporation, Chicago, Ill., a corporation of Delaware
Application November 18, 1933, Serial No. 700,852
4 Claims. (Cl. 244—31)



1. In an airplane: a wing having a leading edge whose radius of curvature is smaller than that of adjacent portions of the wing, a strip of curtain snugly enveloping said leading edge and adjacent portions of the wing, and means for drawing said curtain back and forth about the leading edge of the wing while conforming the curtain thereto to break loose ice formations.

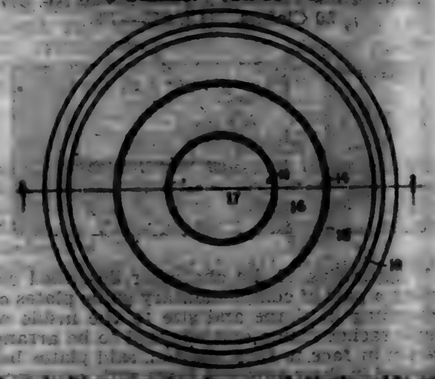
2,028,670
REINFORCED LIGHT-TRANSMITTING SHEET
Richard T. Hosking, Wilmette, Ill.
Application December 11, 1933, Serial No. 701,791
4 Claims. (Cl. 154—43)

2. A sheet of material comprising a woven mesh screen having a sheet of flexible transparent material secured to each side thereof, wherein the wires of said woven screen are formed with flat areas at the outer faces of their points of cross-



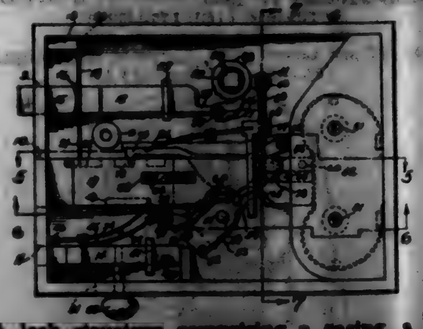
ing and at their inner crossing faces are mutually interembedded, the said transparent sheets being adhesively fixed to said flatted areas only.

2,028,671
CAKE PAN
Jacob Hollman, Chicago, Ill., assignor to Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application February 14, 1934, Serial No. 711,261
6 Claims. (Cl. 53—6)



2. A baking pan having a relatively wide concentric ridge in the bottom thereof, in combination with dividers coacting with said ridge to be positioned in spaced relationship thereby.

2,028,672
COMBINED LOCK AND LATCH
John Kubina, Brantford, Ontario, Canada, assignor of one-half to Matvas Rhejba, Brantford, Ontario, Canada
Application July 12, 1934, Serial No. 734,831
1 Claim. (Cl. 70—99)



A lock structure comprising a casing, a key-operated bolt slidably mounted in the casing and having an opening therein inwardly of its edge, a spring for normally holding the bolt projected, the casing having a recess formed in the interior wall thereof beneath the bolt, a spring arm mounted over the recess having one end prevented to the sliding bolt, a key stud mounted on the spring arm laterally of the bolt and adapted to receive a key for the operation of the bolt, a pin mounted on the free end of the arm adapted to enter the opening in the bolt, and said key stud adapted to be depressed by the bolt operated key for moving the spring arm into the recess to permit retraction of the bolt from its locked position against the tension of the spring.

2,028,673
STOCK INLET CONTROL FOR PAPER MAKING MACHINES
Richard T. Lang, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Co., Inc., New York, N. Y., a corporation of New York
Application December 7, 1934, Serial No. 756,516
In Germany September 19, 1933
3 Claims. (Cl. 92—44)



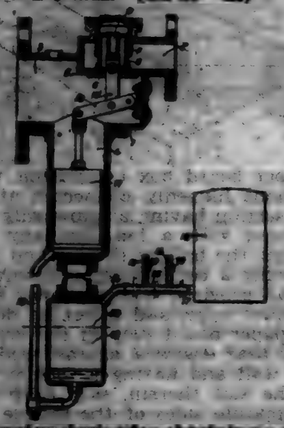
1. In a Fourdrinier or like machine, the combination with a stock container and a wire of a stock discharge device, said stock container having a roll close to the stock discharge device, including a non-flexible adjusting board, means on the container to adjust said board, a flexible connection extending from said adjusting board to the stock container, a flexible member extending from the other end of the adjusting board and having free ends, and means supported on the adjusting board for adjusting the free ends of the second flexible member from the adjusting board independently of the adjustment of the adjusting board itself, whereby the size of the continuous discharge outlet with respect to the wire which receives the stock through such outlet and the discharge angle of the stock to the wire may be varied.

2,028,674
CLAW GUARD
Albin E. Larson, Webster, S. Dak.
Application October 12, 1934, Serial No. 748,334
1 Claim. (Cl. 119—97)



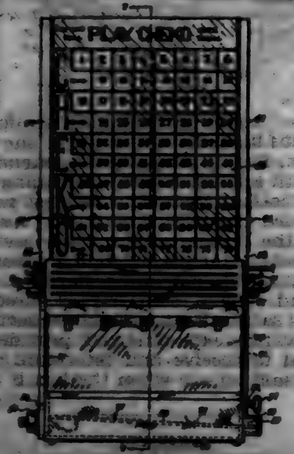
A device of the class described comprising an elongated resilient member having a longitudinally extending bore for receiving a claw of a turkey or the like, and a spring member carried by the resilient member and having a substantially straight part extending into the bore thereof and said straight part having its free end pointed and bent to extend diagonally across a part of the bore for partly penetrating the claw.

2,028,675
EXPANSION VALVE FOR STEAM
Jean Lavergne, Paris, France, assignor to Society Compagnie de Chauffage Central par la Vide, Neuilly-sur-Seine, Seine, France, a corporation of France
Application August 28, 1934, Serial No. 741,466
In France September 27, 1933
1 Claim. (Cl. 60—12)



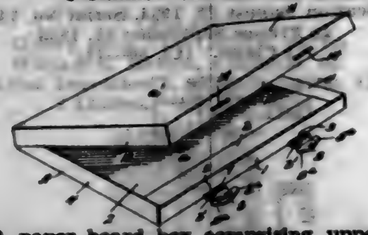
An expansion device for obtaining a fluid under a variable vacuum, applicable to steam heating plants with variable vacuum comprising two branches of a manometer of the liquid type, a float arranged in the upper branch, a steam chamber communicating with said upper branch, a regulating ventil in said chamber connected with said float, a fluid tank under constant pressure communicating by a reduced aperture and a conduit with the lower branch, and cocks connected with said conduit for regulating the pressure of the lower branch.

2,028,676
AMUSEMENT DEVICE
Harry Light, Atlantic City, N. J.
Application October 17, 1934, Serial No. 748,049
11 Claims. (Cl. 273—132)



1. An amusement device comprising a cabinet having openings therein, an underlying substantially horizontal member having a plurality of receptacles, a trough, and means to tilt the member to a substantial vertical position to discharge game pieces from the receptacles to the trough.

2,028,677
LOCKING MEANS FOR PAPER BOARD BOXES
Elmer H. Lupton, Rehoboth, Md.
Application April 2, 1935, Serial No. 14,248
5 Claims. (Cl. 229—45)



1. A paper board box comprising upper and lower sections hingedly connected at one side, the lower section having an upwardly extending wall provided with a longitudinally extending slot adjacent the bottom thereof and said upper section having a corresponding downwardly extending wall provided with a similar slot spaced from its lower edge, and a locking device comprising a paper board strip in the lower section adapted to bear edgewise against said upwardly extending wall and having a tongue projecting through the slot therein, said strip being cut away at opposite sides of the tongue so as not to engage the latter wall at the ends of the slot, and said tongue having a foldable head adapted to be extended through the slot in said downwardly extending wall of the upper section when the box is closed.

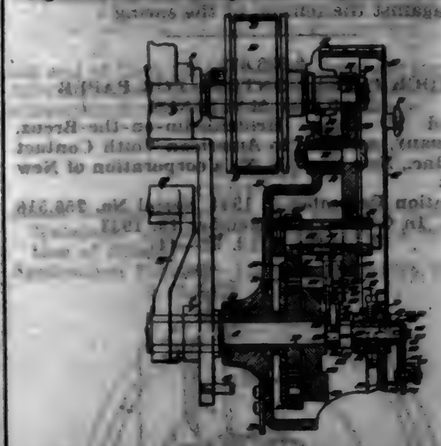
2,028,678
LOCKING AND REENFORCING MEANS FOR PAPER BOARD BOXES
Elmer H. Lupton, Rehoboth, Md.
Application April 18, 1935, Serial No. 17,092
4 Claims. (Cl. 229—15)



1. A paper board box comprising upper and lower sections hingedly connected at one side, the lower section having an upwardly extending wall provided with a longitudinally extending slot adjacent the bottom thereof, a locking and reenforcing device comprising a paper board strip resting on the bottom of the lower section and having a locking tongue extending through said slot and upwardly extending flaps at opposite sides of said tongue, said flaps secured to the inner side of said wall, and the upper section having a downwardly extending wall provided with a slot adapted to receive and inter-lock with the free end of said tongue when the box is closed.

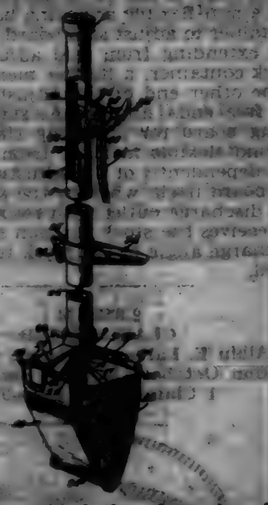
2,028,679
WINDING MACHINE
William Marcroft, South Chatham, Mass.
Application August 18, 1932, Serial No. 629,461
10 Claims. (Cl. 75—115)

1. In a gainer mechanism for winding machines, the combination of a driving gear, a rotary element adapted to be driven from said gear, a pinion carried by said last-named element in mesh with the driving gear, a pair of friction clutches for rotating the pinion to impart it relatively of the driving gear, a fixed pin disposed eccentrically with respect to the axis



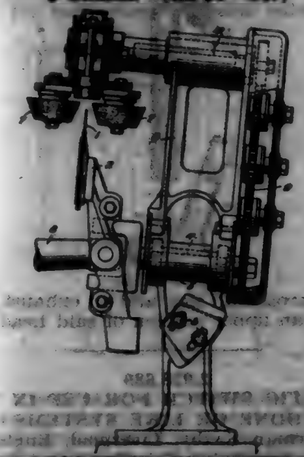
of the driving gear, and a pair of arms connecting said eccentric pin and clutches to cause the arms to oscillate the clutches to intermittently turn the pinion to advance it circumferentially of the driving gear during its planetary motion therewith.

2,028,680
DIGGER
Mitsuo Mayeda and Yoshigura Okamoto, Waialua, Territory of Hawaii
Application February 4, 1933, Serial No. 655
3 Claims. (Cl. 55—71)



1. An implement of the character describ[ed] comprising a tubular shank, a hanger at one [end] of the shank and providing double arms oppositely extended, scoop blades pivotally supported [on] said arms and adapted for opening and clos[ing] movements relative to each other, means work[ing] within the shank and connected with the blades for effecting opening and closing thereof, means on the shank for locking said means connected with the blades, and a stirrup carried by the shank and adjustably connected therewith.

2,028,681
GRINDING OF ROTATING ECCENTRIC KNIVES
Walter Everett Molins, Deptford, London, England; Harold Fernando Molins and Moses Hyman Isaacs, executors of said Walter Everett Molins, deceased
Application January 11, 1934, Serial No. 706,268
In Great Britain January 11, 1933
5 Claims. (Cl. 51—247)



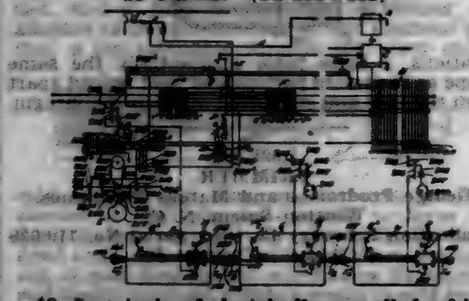
1. The combination with a cutting device for severing axially moving rods into lengths, said device comprising a rotating member, a knife supported on said member for rotation therewith and for axial displacement with respect thereto, a guide member associated with said knife for determining the axial displacement of the knife during rotation thereof, and means for effecting relative angular adjustment of said members substantially in a plane containing the axis of said rotating member to vary the extent of axial displacement of said knife, of a grinder for the knife, and means carried by said guide member for supporting said grinder, whereby relative adjustment of said members may be effected without disturbing the operative relation of said grinder and knife.

2,028,682
MODIFYING ROOM ATMOSPHERIC CONDITIONS
James H. O'Brien, Chicago, Ill., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application November 3, 1932, Serial No. 642,942
3 Claims. (Cl. 240—1)



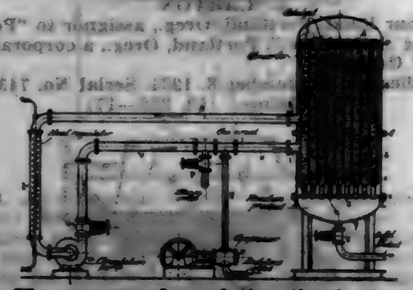
1. The combination with a room for human occupancy and incandescent electric lamps for lighting the room and air ventilating and conditioning means for supplying cooled air to the room, of means for minimizing the heating effect of said lamps on the room atmosphere, comprising a dust system having an air inlet and an air outlet, each external to said room and having portions in immediate heat absorbing relation with said lamps, and power means for moving air through said system from said inlet to said outlet.

2,028,683
MULTIPLE UNIT CONTROL SYSTEM
Louis Eugène-Widelt Mentrasso-Oster, Karlsbad, Czechoslovakia
Application December 15, 1929, Serial No. 502,535
In Germany December 16, 1929
23 Claims. (Cl. 188—158)



19. In a train of electrically propelled vehicles each having a driving motor, circuit connections for electrically braking said vehicles through said motors and including a brake controller for each vehicle, and fluid pressure means for actuating said brake controllers in unison from any one of the vehicles.

2,028,684
METHOD OF AND AN APPARATUS FOR SUBJECTING A FLOWING MEDIUM IN A CONTINUOUS OPERATION TO A REACTION
Walter Pahl, Bruchhausen/Hasten, Germany, assignor, by mesne assignments, to the firm of Deutsche Gold- und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany
Application January 16, 1926, Serial No. 421,230
In Germany January 18, 1925
10 Claims. (Cl. 23—288)



2. The process of regulating the temperature in a reaction chamber containing a catalyst for fluid reactants which comprises continuously circulating a fluid stream containing said reactants in a closed path, continuously branching off a minor part of said stream at substantially catalyzing temperature and subjecting it to catalytic action while keeping it in intimate and indirect heat exchange relation with said circulating fluid stream and continuously supplying fluid containing fresh reactants to said closed path to compensate for said minor part which has been branched off.

2,028,685
MICROPHONE TRANSMITTER
Stephen Case Porter, New York, N. Y.
Application December 24, 1934, Serial No. 758,877
3 Claims. (Cl. 179—187)

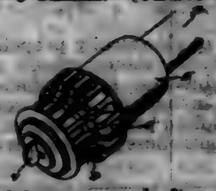
3. A transmitter of the class described comprising the combination with a microphonic ap-

paratus having a diaphragm, of a sound box having a front face, the center portion being raised outwardly from the face and provided with per-



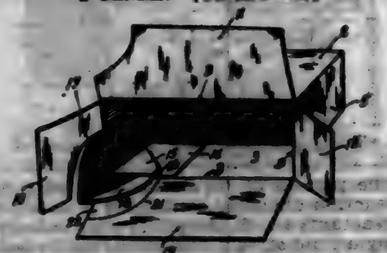
forations, a baffle plate substantially the same shape as the raised portion and held spaced apart from the face and supported over the diaphragm.

2,028,626
TRIMMER
George Predromos and Marcus Predromos, Winston-Salem, N. C.
Application February 12, 1934, Serial No. 710,939
6 Claims. (Cl. 262—58)



1. In a trimmer, a shaft, a toothed cutter mounted thereon, a guard in advance of said cutter, a spring on said shaft bearing against said cutter and serving normally to hold said cutter against said guard, said guard having a plurality of depressions on its under face in which the cutter teeth seat whereby relative rotation between said cutter and said guard is prevented, and means carried by said shaft for detachably latching said guard to said shaft.

2,028,627
CARTON
Arthur Read, Portland, Oreg., assignor to "Touring Sports Inc.", Portland, Oreg., a corporation of Oregon
Application September 3, 1934, Serial No. 743,262
4 Claims. (Cl. 229—17)



1. A carton comprising side and end walls and overlapping and sealed end flaps, a pouring spout formed integral with one of said end walls and movable with respect thereto, said pouring spout having two walls, a guideway formed between overlapping portions of said side and end walls and adapted to slidably embrace one wall of said pouring spout.

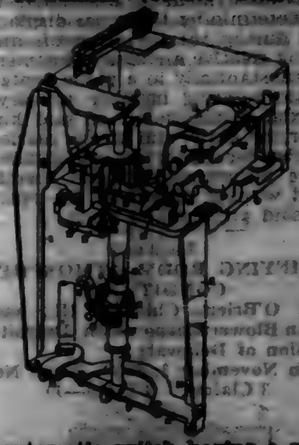
2,028,628
BALLAST CLEANING APPARATUS
Walter S. Rugg, Pittsburgh, and Alexander Palmros, Zelienople, Pa.
Application October 16, 1931, Serial No. 569,276
26 Claims. (Cl. 262—3)

1. Apparatus for cleaning ballast and the like material in place comprising a hollow apertured head provided with depending spike members and a transverse slot, barrier members secured at



intervals across said slot, and an exhaust conduit secured to an upper portion of said head.

2,028,629
AUTOMATIC SWITCH FOR USE IN TELEPHONE OR LIKE SYSTEMS
Robert Norman Starky, Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware
Application September 22, 1932, Serial No. 634,285
In Great Britain October 14, 1931
11 Claims. (Cl. 179—27.58)

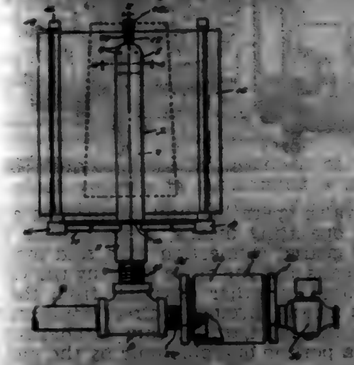


1. An automatic switch having a wiper shaft and mechanism for moving the same in a vertical and rotary direction, a plurality of contact spring sets, means for operating said springs by the mechanical movement of the shaft, said spring sets mounted in a plane transverse to the plane of the wiper shaft, and means for operating said sets at different positions of the wiper shaft.

2,028,630
WASHER FOR MUGS, GLASSES, ETC.
Joseph Schanzer and Dale E. Andrews, Kaukauna, Wis.
Application March 21, 1936, Serial No. 12,218
1 Claim. (Cl. 241—2)

A receptacle washer comprising an upstanding nozzle having ports in the upper end thereof and

receivable in a receptacle, a plurality of pipes communicating with the lower portion of said nozzle, tubes rising from said pipes in spaced relation to said nozzle and being provided with ports in the upper portion thereof, the lower portion of said nozzle being adapted to be connected to a source of liquid supply, a valve seat in the lower portion of said nozzle, a stationary valve guide in said nozzle, adjacent said valve seat, a slidable guide having a depending sleeve, a valve for contacting with the valve seat and



having a rod extending upwardly through the stationary guide and said sleeve of the slidable guide and projecting beyond the upper end portion of the nozzle, a coil spring disposed in said nozzle between the stationary and the slidable guide, a coil spring encircling said valve rod and disposed between the stationary guide and the lower portion of said sleeve, means connecting said valve rod to said slidable guide, a substantially C-shaped shield mounted on the tubes and a horizontal shield encircling the lower portion of the nozzle, and resting on said pipes.

2,028,631
METHOD OF PACKAGING ARTIFICIAL SAUSAGE CASINGS AND PRODUCT
Bernard H. Sobotnik, Chicago, Ill., assignor to The Visking Corporation, Chicago, Ill., a corporation of Virginia
Application June 8, 1934, Serial No. 729,691
10 Claims. (Cl. 206—46)



1. A method of preparing artificial sausage-casings for shipment and handling which comprises: applying to a compressed, shirred casing while on a mandrel a container having end-away end-walls which accommodate the mandrel.

10. A container for the purpose set forth comprising an elongated shallow cardboard band having recessed end-walls, said container having two opposite open sides, and a relatively short transverse band encircling the intermediate portion of said first-mentioned band.

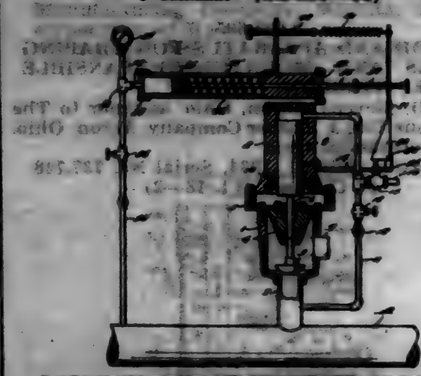
2,028,632
YARN TENSION FOR AUTOMATIC KNITTER
Allan M. Sturgeon, Philadelphia, and Hamlet H. Meehan, Aston, Pa., assignors to Textile Machine Works, Reading, Pa., a corporation of Pennsylvania
Application August 29, 1933, Serial No. 687,564
6 Claims. (Cl. 139—317)

1. In a weft-threading shuttle, the combination with a thread-guide bracket having a longitudinal yarn-receiving passage, a slot in the upper end of said block adjacent one side of said passage and communicating with the latter, a tensioning device at one end of said block comprising a relatively fixed open frame having an arm extending diagonally across one end of said passage and with its upper end adjoining the said slot, and a thin floating bar paralleling and adapted to contact the face of said diagonal portion, a pin extending through the lower end of



said floating and diagonal elements, a spring carried by said pin and tending to force said floating bar against said diagonally relatively fixed arm, said an arm extending from the upper end of said floating bar and having its terminal end loosely confined within a recess in said frame, said bar being substantially free to move to and from the opposed diagonal arm of said frame, while being restrained from transverse displacement at both terminal ends.

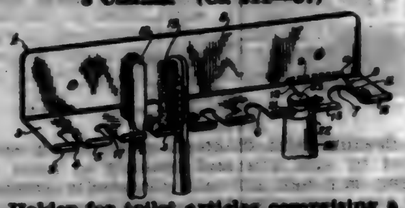
2,028,633
AUTOMATIC RELEASE VALVE
John A. Sharp, Marshall, Tex.
Application August 31, 1934, Serial No. 743,513
3 Claims. (Cl. 137—53)



1. An automatic release valve for pressure systems comprising a valve casing adapted to be placed in communication with the system and having a discharge, a valve member having a stem for controlling communication through the casing, a cylinder mounted on the casing, a plunger therein contacting the valve stem and tending to close the valve member, a pipe line for connecting the cylinder above the plunger with the system, said plunger having a pressure area larger than the effective pressure area of the inlet side of the valve member whereby the pressure fluid entering the cylinder from the system will cause the plunger to hold the valve member closed, a pressure opened valve member in communication with the pipe line, a spring actuated member for normally holding the last-mentioned valve member closed, a second cylinder adapted to be placed in communication with the system at a point in advance of the first mentioned valve member, a plunger in the said second cylinder operated by the pressure fluid entering the same, a spring for resisting movement of the second mentioned plunger caused by said pressure fluid and means for operating the spring actuated member by the

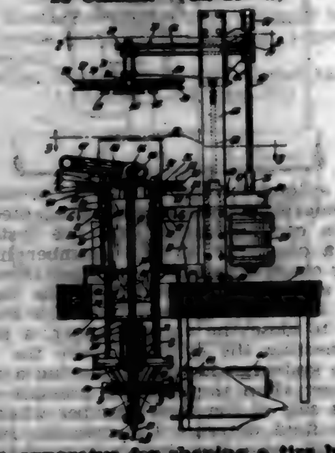
second mentioned plunger when said plunger has moved a predetermined distance by excessive fluid pressure in the system.

2,028,624
HOLDER FOR TOILET ARTICLES
Joseph M. Spinks, Atlanta, Ga.
Application September 10, 1934, Serial No. 743,646
3 Claims. (Cl. 211—87)



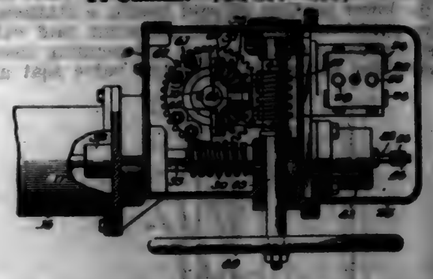
1. Holder for toilet articles comprising a substantially horizontal shelf having receiving slots cut in from the forward edge thereof, said forward edge between said slots being turned up to form retaining flanges, and a resilient element adjacent one side of at least one of said slots guarding the entrance thereto and yielding to admit an article, said element comprising a spring wire anchored adjacent the back of said shelf and having an outer free end turned away from the slot which it controls, the flange adjacent said free end being turned over forming a guard slidably receiving said free end.

2,028,655
METHOD AND APPARATUS FOR SHAPING TIRES AND MOUNTING EXPANSIBLE CORES THEREIN
Horace D. Stevens, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 31, 1934, Serial No. 737,748
18 Claims. (Cl. 18—3)



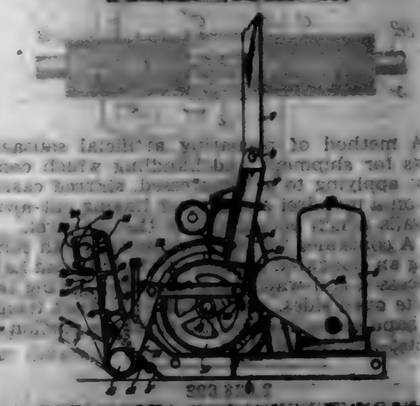
17. In apparatus for shaping a tire band and inserting an expansible core therein, the combination of opposed, axially aligned platens, means for rotating the platens in unison, means for moving the platens axially relatively of each other, means on the platens for clamping the bead portions of a tire band positioned between the platens, a hollow cylinder secured to one of the platens and opening thereonto, said cylinder being adapted to receive an expansible core in folded condition, and means for ejecting the core therefrom while the platens and cylinder are rotating.

2,028,696
VALVE OPERATING UNIT
Clinton H. Beckwith, Geneva, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application February 3, 1934, Serial No. 709,422
14 Claims. (Cl. 137—139)



1. A valve operating unit comprising a motor, a hand operating means, a mechanism in permanent geared connection with said motor and hand means and the valve whereby the valve can be operated in either direction from the motor or hand means through a direct connected positive driving mechanism, said mechanism comprising a portion operable only by the motor and a portion operable only by the hand means and a valve-operating portion operable in common by the other two, means controlled by a portion of the mechanism operable either by the motor or the hand means for rendering the motor ineffectual when in the valve opening operation the valve is brought to a predetermined open position, and means controlled by a motor operated portion of said mechanism for rendering the motor ineffectual when under the applied power of the motor a predetermined resistance to the valve closing operation is encountered.

2,028,697
WELL STUDDING APPARATUS
Harland W. Cardwell, Wichita, Kans., assignor to The All Steel Products Manufacturing Company, Wichita, Kans., a corporation of Kansas
Application May 18, 1934, Serial No. 726,483
5 Claims. (Cl. 255—11)



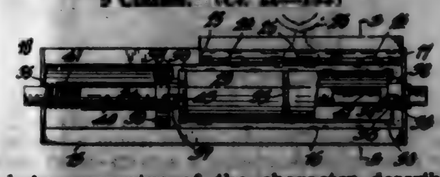
1. Well spudding apparatus of the type described comprising a chassis formed of parallel side beams having upwardly bent windy o spudding shaft rockably mounted on the underneath surfaces of said upwardly bent beam windy, a pair of spudding arms fixed on said spudding shaft, a sheave slidably and rotatably carried by the spudding arms, a cable drum supported on the chassis above the plane of the spudding shaft, and means for driving the spudding shaft to effect oscillation of the spudding arms.

2,028,696
COTTON PICKING SYSTEM
Robert S. Curley, Lowell, and William Shaw, Needham, Mass., assignors to Saco-Lowell Shops, Boston, Mass., a corporation of Massachusetts
Application November 5, 1931, Serial No. 572,684
8 Claims. (Cl. 19—70)



1. That improvement in methods of picking cotton which consists in performing a plurality of picking operations on a stream of loose cotton and finally working it into the form of a finished lap, feeding the cotton in a continuous and approximately uniform stream from the delivery of each of said operations to the infeed of the next, at an intermediate point in the process working the cotton into a thickened web in which the fibres are loosely associated with each other, and evening said thickened web.

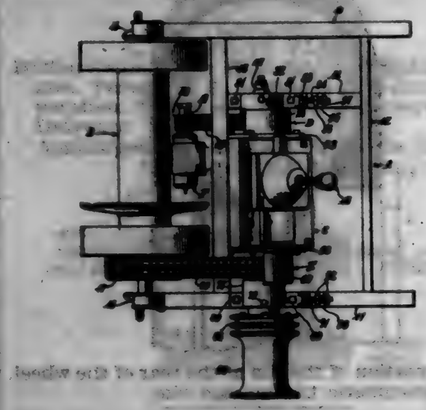
2,028,698
APPARATUS FOR MAKING PRINT ROLLERS AND THE LIKE
William M. Greene and Fred E. Lothey, Salamanca, N. Y., assignors to Lindsdale Products Corporation, Salamanca, N. Y., a corporation of New York
Application October 9, 1933, Serial No. 692,746
9 Claims. (Cl. 22—135)



1. An apparatus of the character described, comprising a chill including companion mold-sections having end walls and shaped to form a cavity, a pouring gate applied to the chill immediately above and substantially centrally of the cavity to receive the molten metal and having a plurality of narrow discharge openings in its bottom and at spaced intervals for directing the molten metal in a thin stream into the mold cavity, said openings terminating substantially at the periphery of the cavity in knife-like horizontal edges for permitting drawing from the gate for final shrinkage of the casting, a metal core, and means for supporting and centering the core in said cavity, said means including a hollow mandrel extending through the core and having collars slidably mounted thereon and detachably fitted in said core and supported at its ends in the chill, said mandrel having vent opening therein.

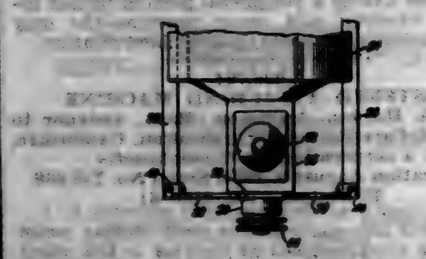
2,028,709
TRACTOR MOUNTED WINCH WITH DRIVE TRANSMISSION
William C. Guier, Wichita, Kans., assignor to The All Steel Products Manufacturing Company, Wichita, Kans., a corporation of Kansas
Application June 26, 1934, Serial No. 731,966
14 Claims. (Cl. 254—187)

5. A device of the type described comprising a supporting frame, a variable speed transmission unit, a detachable power connection attachment mounted on each end of the transmission



unit, said attachments being constructed to support the weight of said unit on the frame.

2,028,761
OIL FIELD SKID WINCH
William C. Guier and Gerald G. Brown, Wichita, Kans., assignors to The All Steel Products Manufacturing Company, Wichita, Kans., a corporation of Kansas
Application June 23, 1934, Serial No. 732,949
9 Claims. (Cl. 254—187)

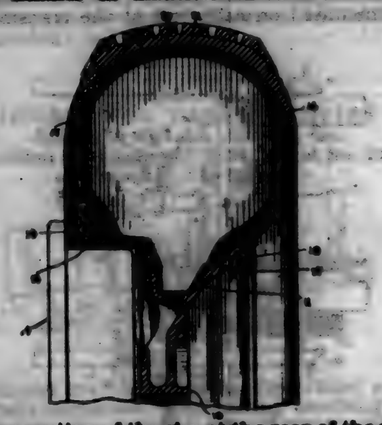


5. In a device of the type described, a power plant unit including an engine and a variable speed transmission connected end to end, and a power output attachment for the free end of said transmission, said attachment comprising a casing secured to the transmission housing to encircle the driven shaft of the transmission, supporting legs for one end of said unit carried by said casing, and a driving gear connected to said transmission shaft and projecting from said casing.

2,028,762
VEHICLE WHEEL
James E. Hale, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 24, 1932, Serial No. 619,011
10 Claims. (Cl. 301—6)

8. In a vehicle wheel, the combination of a wheel structure comprising a pneumatic tire-supporting rim and a brake drum, the tire bead seating portion of the rim at the rear of the wheel overlapping said brake drum, the tire bead seating portion of the rim at the front of the wheel

being smaller in diameter than the tire bead



seating portion of the rim at the rear of the wheel, and a pneumatic tire on said rim.

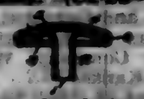
2,028,703

CAP MEMBER FOR FASTENERS

Charles W. Hatch, Brighton, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application April 6, 1935, Serial No. 15,323

4 Claims. (Cl. 24—243)



1. A cap member for fasteners including two superposed metal parts and a non-metallic cover, said cover having a peripheral portion turned inwardly whereby said cover provides the only means holding the parts in assembled relation.

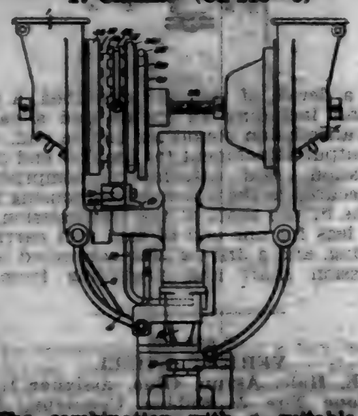
2,028,704

FASTENER ATTACHING MACHINE

Lester N. Hayden, Arlington, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application August 9, 1934, Serial No. 739,668

17 Claims. (Cl. 218—6)



1. The combination with a suitable setting mechanism of two hoppers operable to supply different parts to the setting mechanism, a track leading from each hopper, a stop means associated with each track at a predetermined point between the hopper and the setting mechanism to control the movement of parts at those points, springs normally pressing said stop means toward track-obstructing positions and stop-controlling means operable to lift either stop means against the action of its associated spring to permit free passage of parts from one of said tracks.

2,028,705

COLLAR FASTENER

Gustav Johnsen, West Roxbury, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application October 8, 1934, Serial No. 744,087

4 Claims. (Cl. 24—81)



1. A fastener of the class described comprising a pair of cooperating bars bent to form a pair of jaws at each end thereof, one of said bars having a U-shaped mid-portion, the second of said bars having an aperture to receive the U-shaped portion of said first bar, and a cam member assembled between the closed end of the U-shaped portion and the slotted bar, said cam member being adapted to set upon said bars to force each pair of jaws towards each other when moved in one direction and to release said jaws when moved in another direction.

2,028,706

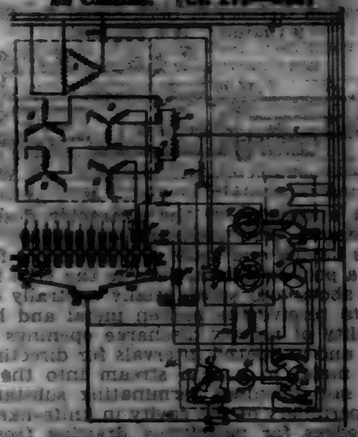
ELECTRON DISCHARGE DEVICE CONTROL SYSTEM

Erwin Kern, Ennetbaden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland

Application December 14, 1932, Serial No. 647,124

In Germany December 24, 1931

22 Claims. (Cl. 175—363)



1. In a system for controlling the flow of electric current, an electric current circuit, a second electric current circuit, electron discharge means having a plurality of anodes and a cathode, means for connecting said discharge means with each of said circuits, a plurality of control electrodes severally operable to release and to interrupt the flow of current through said anodes, a source of electromotive force connected with said cathode, means for continually impressing electromotive forces from said source on said control electrodes, and means controlling the last said means and operable to simultaneously advance the impression of said electromotive forces on some of said control electrodes and retard the impression of said electromotive forces on others of said control electrodes.

5. In a system for controlling the flow of electric current, an alternating current circuit, a transformer connected with said circuit and having a plurality of windings, an electron discharge device having two groups of anodes connected with distinct windings of said transformer and having a cathode, a direct current circuit connected with said transformer and with said discharge device, control electrodes in two groups severally operable to release and to interrupt the flow of current through said groups of anodes, a source of electromotive force connected with said cathode, means for continually impressing electromotive forces from said source sequentially on the several control electrodes of each group of such sign and magnitude as to cause each control electrode to control the establishment of said arcs by way of the associated anode and to effect the interruption thereof at such moments as to cause flow of current at substantially unity power factor between said alternating current circuit and said transformer.

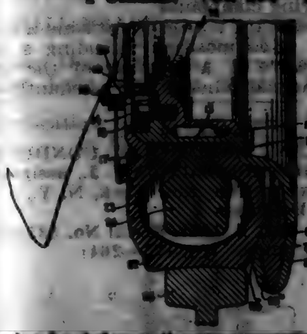
2,028,707

WHEEL FOR RAIL CARS

Clifford D. Smith, Fairlawn, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application April 25, 1932, Serial No. 607,312

4 Claims. (Cl. 295—7)



1. A wheel for rail cars comprising a resilient tire, and a wheel flange at one side thereof, said wheel flange having a rail-engaging portion that is reversely curved in transverse section and terminates radially at the periphery of said wheel flange, and an interposed cushion of resilient rubber composition serving as the sole means for connecting said rail-engaging portion to said wheel flange.

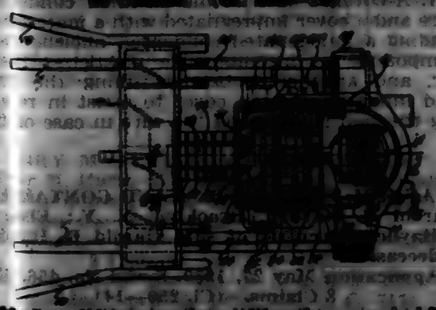
2,028,708

MULTIPLE STAGE LIFTING TRUCK

William Stenting, Jr., Cincinnati, Ohio, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application September 12, 1932, Serial No. 633,037

20 Claims. (Cl. 214—16)



20. In a lifting truck, a lifting fork, a holding hook to hold said fork in an elevated position, and means for moving the hook out of holding position in the direction of the line of its holding pressure.

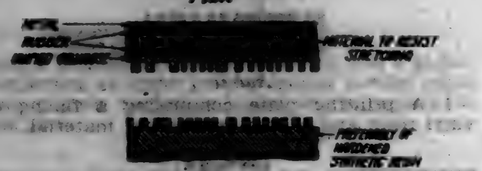
2,028,709

PRINTING PLATE

Hylton Swan, Upper Montclair, and Sigfried Higgins, Verona, N. J., assignors to Bakelite Corporation, New York, N. Y., a corporation of Delaware

Application May 26, 1934, Serial No. 727,722

12 Claims. (Cl. 41—35)



1. A printing plate comprising a facing of regenerated cellulose and a body of rubber.

2,028,710

PRINTING PLATE

Hylton Swan, Upper Montclair, and Sigfried Higgins, Verona, N. J., assignors to Bakelite Corporation, New York, N. Y., a corporation of Delaware

Application May 26, 1934, Serial No. 727,723

21 Claims. (Cl. 41—35)



1. A printing plate comprising a facing of cellulose acetate from substantially .001 to substantially .035 of an inch in thickness and a body of rubber.

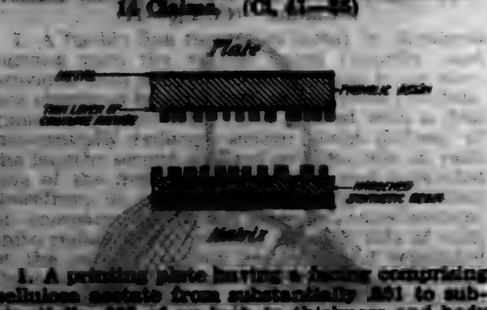
2,028,711

PRINTING PLATE

Hylton Swan, Upper Montclair, and Sigfried Higgins, Verona, N. J., assignors to Bakelite Corporation, New York, N. Y., a corporation of Delaware

Application May 26, 1934, Serial No. 727,724

14 Claims. (Cl. 41—35)



1. A printing plate having a facing comprising cellulose acetate from substantially .001 to substantially .035 of an inch in thickness and body of resin.

2,028,713
PRINTING PLATE
Hylton Swan, Upper Montclair, and Sigfried Sigius, Verona, N. J., assignors to Bakelite Corporation, New York, N. Y., a corporation of Delaware
Application May 26, 1934, Serial No. 727,725
19 Claims. (Cl. 41—35)



1. A printing plate comprising a facing of vinyl resin and a body of another material.

2,028,714
PRODUCTION OF SO_2 FROM ACID SLUDGE
Frank J. Bartholomew, Westfield, N. J., assignor to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware
Application December 2, 1933, Serial No. 700,757
15 Claims. (Cl. 23—177)



1. A method of heating fluid materials which are too viscous to permit a flash decomposition by contact with extensive heating surfaces which are decomposed by heat treatment into a volatile portion and a carbonaceous residue, which comprises thoroughly mixing the fluid material with heated finely divided solids, the amount of solids being sufficient to transfer the required amount of heat to decompose the fluid material, removing volatile products from the zone of heating, removing the carbonaceous residue intimately mixed with the heating medium and reheating the heating medium by burning the carbonaceous residue in intimate contact therewith and reusing at least a major portion of the reheated material.

2,028,715
FASTENER
Lloyd W. Barwick, Pasadena, Calif., assignor to Brogdex Company, Winter Haven, Fla., a corporation of Florida
Application October 9, 1933, Serial No. 692,567
9 Claims. (Cl. 150—11)



1. The combination, with a bag and an end-less drawstring for closing the mouth of the bag, said drawstring being drawn up to form two gathers at spaced points in the mouth of the bag and a double slack loop leading from said gathers, of an elongated member provided with drawstring-fastening means adjacent its ends for fastening said drawstring adjacent said gathers, said member maintaining the spacing of said gathers and cooperating with the drawstring to provide an open looped-string handle for the bag.

2,028,715
FIRE RESISTANT COMPOSITION
Ernest R. Hansen, Bloomfield, N. J., assignor to Halowax Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 27, 1931, Serial No. 533,271
19 Claims. (Cl. 134—78.5)

13. Composition suitable for impregnating substances such as textiles, paper and the like including a member of the group consisting of halogenated diaryls, aromatic carbon ring compounds of crystalline character and tricyclic aromatic carbon ring compounds of crystalline character, and a plasticizer therefor comprising an incombustible amorphous halogenated aromatic carbon ring compound.

16. Flame resistant textile comprising a textile base carrying a composition including a halogenated derivative of a member of the group consisting of acenaphthenes and phenanthrene.

2,028,716
FIRE RESISTANT ELECTRICAL CONDUCTOR
Myron E. Delaney, Bloomfield, N. J., assignor to Halowax Corporation, New York, N. Y., a corporation of Delaware
Application May 8, 1931, Serial No. 535,973
8 Claims. (Cl. 173—264)



1. A covered wire having an inner conducting core and a cover impregnated with a material including a halogenated condensed nucleus cyclic compound, an incombustible plasticizer therefor, and an inert substance filling the pores and interstices of the cover to assist in retaining the said material on the wire in case of fire.

2,028,717
VACUUM TUBE SYSTEM AND CONTAINER
Harold B. Hayden, Brooklyn, N. Y.; Alice G. Hayden executrix of said Harold B. Hayden, deceased
Application May 27, 1930, Serial No. 456,043
8 Claims. (Cl. 250—14)

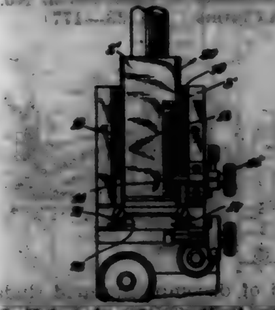
4. A cabinet having shelves, bases removably positioned on said shelves for detachably hold-

ing the various electrical elements of a vacuum tube system, each base comprising groups of sockets, each group being adapted to receive



prongs secured to and electrically connected with the terminals of an element, and independently detachable connectors on said bases electrically connected respectively with said sockets.

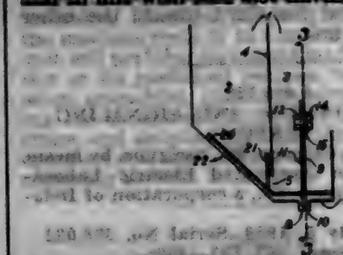
2,028,718
BALL-BEARING FOR SCIENTIFIC INSTRUMENTS
Hermann Heinz, Wetzlar, Germany, assignor to Ernst Leitz, Optische Werke, Wetzlar, Germany
Application July 3, 1933, Serial No. 678,183
In Germany July 8, 1931
1 Claim. (Cl. 308—6)



In a ball bearing for optical, physical or like instruments a plate having formed therewith a central depression, and its side walls provided with longitudinally extending incisions or slots, a displaceable carriage guided in said depression and having its side walls also provided with longitudinally extending incisions or slots, two substantially similar narrow strips of flexible, wear resisting spring steel, the free edges of said strips constituting the guide tracks for the balls and the opposite edges of said strips held in said incisions, to form a yielding ball bearing to accommodate balls of varying sizes.

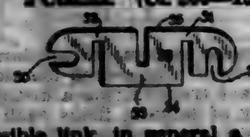
2,028,719
DRY MATERIAL FEEDING DEVICE
Wilbur M. Hurd, Washington, D. C., and Walter E. Humphries, Silver Spring, Md.; dedicated to the free use of the Public
Application October 9, 1934, Serial No. 747,997
3 Claims. (Cl. 221—129)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A dry material feeding device comprising a hopper having an offset supply section and a main discharge section, said discharge section having a slot formed in the bottom thereof, a partition between said sections, a trough below and in line with said slot having open ends pro-



jecting beyond the ends of said slot, and a kicker comprising an upper portion having beveled edges and a lower portion adapted to reciprocate in said slot.

2,028,720
FUSIBLE LINK
Frank C. La Mar, New York, N. Y., assignor to Great Western Fuse Company, New York, N. Y., a corporation of Delaware
Application January 24, 1934, Serial No. 708,025
2 Claims. (Cl. 200—135)



1. A fusible link, in general a relatively thin flat rectangle formed of metal and provided at each end with means for attachment to terminals, and formed with three reduced cross-section portions, one adjacent each end and one substantially in the center, those at the ends being both produced by removing the metal from one longitudinal edge inwardly, the other being produced by removing the metal from the opposite longitudinal edge inwardly, the end reduced sections being each smaller in cross-section than the other.

2,028,721
FUSIBLE LINK
Frank C. La Mar, New York, N. Y., assignor to Great Western Fuse Company, New York, N. Y., a corporation of Delaware
Application July 2, 1934, Serial No. 732,447
7 Claims. (Cl. 200—135)



7. A fusible link formed of metal, in thickness varying with the normal rated capacity; and provided with means for attachment in an electric circuit to be protected; substantially rectangular in general form; and formed with a first substantially reduced section about midway of the length; second reduced sections, one on each side of the first reduced section, and separated therefrom by substantially rectangular sections of comparatively much greater cross-section; third reduced sections, one on each side of each of the second reduced sections, and separated therefrom by substantially rectangular sections of comparatively much greater cross-section; said last named sections each having one corner substantially rounded whereby it is prevented from

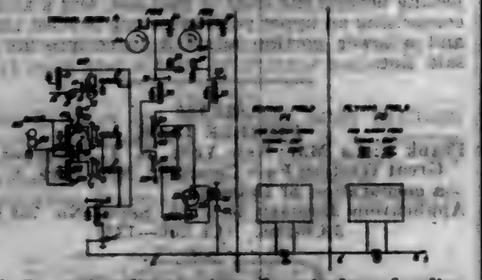
coming in contact with the adjacent end, and the second and third reduced sections being out of alignment with each other and with the first reduced section and the second section toward one side edge and the third toward the other side edge of the link.

2,028,721

AIRPORT CONTROL AND SIGNALING SYSTEM

Lawrence J. Leib, Chicago, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application July 5, 1928, Serial No. 376,622
4 Claims. (Cl. 177—352)



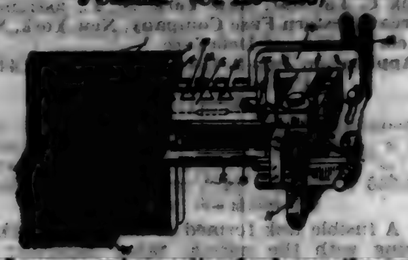
4. In a signaling system for airplane landing fields, a plurality of planes each having a transmitter for always transmitting a distinctive signal, a plurality of landing fields each having a receiving device and landing lights, said fields linked together by a land line, the receiving device at each field responsive to a signal transmitted from any one of said airplanes to light the lights at a landing field and to retransmit over the land line a signal indicative of the airplane from which the signal was received and the particular field at which it was received.

2,028,722

WARP STOP MOTION

Harold Marsh, Pawtucket, R. I., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application February 6, 1935, Serial No. 5,969
5 Claims. (Cl. 139—365)



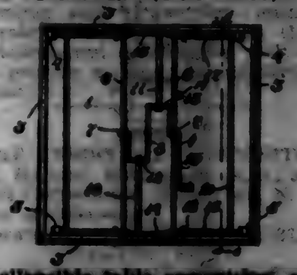
1. In a warp stop motion for looms, the combination of a stationary holder having spaced teeth on its upper edge, and an endwise reciprocating detector bar mounted in said holder and having spaced teeth on its upper edge; said bar and holder being constructed to support the former for sliding movement in operative position in the holder with the teeth on the bar projecting above the teeth on the holder, and also to support the bar in threading position wherein the tops of the teeth on the bar are in the same plane as the tops of the teeth on the holder and form with the latter a substantially continuous surface.

2,028,724

COLLAPSIBLE BRIDGE TABLE

William S. Ritchie, Winnipeg, Manitoba, Canada

Application December 27, 1934, Serial No. 758,439
In Canada, December 8, 1934
3 Claims. (Cl. 211—85)



1. A collapsible table comprising, a combination with a table surface and swingable legs attached thereto and lying therebeneath, rotatable rods extending between pairs of said legs, crank portions upon said rods, further cranking means beneath said table, a lever attached to said further cranking means, crank arms connecting between said further cranking means and said crank portions, said lever being manually operable to swing said legs into extended or closed position.

2,028,725

PRODUCTION OF SO_2 FROM ACID SLUDGE

James M. Rample, St. Louis, Mo., assignor to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware

Application December 8, 1932, Serial No. 766,758
16 Claims. (Cl. 23—177)



1. A method of decomposing acid sludge from the sulfuric acid purification of hydro-carbonaceous material which comprises thoroughly mixing the sludge with a stream of a highly heated non-gaseous heating medium, the temperature and the amount of the heating medium being such as to decompose the sludge in a carbonaceous residue with evolution of SO_2 free from H_2S, continuously removing the SO_2 and evolved from the reaction zone and removing the carbonaceous residue and the heating medium.

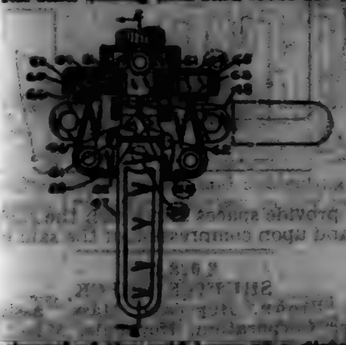
2,028,726

TRIP COCK DEVICE

Carlton D. Stewart, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application July 5, 1932, Serial No. 621,197
1 Claim. (Cl. 251—152)

A trip valve device comprising a casing, a slidable valve therein movable in opposite directions from a central valve-closed position to a valve open position on either side of said central closed position, an operating lever for said valve adapted to be engaged by a trip member and to be moved thereby to move said valve to either of said valve open positions, means cooperating with said casing for yieldingly arresting movement of said lever in said valve-closed and valve open positions, said yielding stop means cooperating with said casing and said lever for limiting



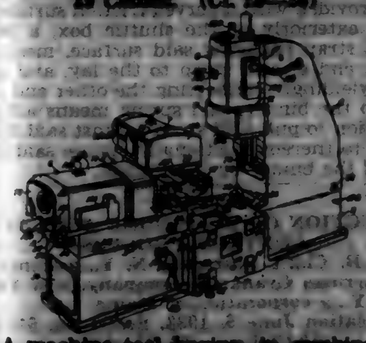
the overtravel of the said lever as a distance beyond said valve open positions of said valve which distance is greater than the distance between said intermediate position and either of said operative positions.

2,028,727

CONSTRUCTION OF MACHINE TOOLS

Raymond S. Parry, John R. Johnson, and Alexander Oberhuber, Rockford, Ill., assignors to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois

Application November 21, 1931, Serial No. 576,149
29 Claims. (Cl. 29—26)



1. A machine tool having, in combination, a work pedestal having side walls fashioned for attachment of a plurality of bed wings thereto, a pair of structurally separate and interchangeable bed wings each having end and wall rigidly joined to said pedestal but detachable therefrom, structurally separate guide members having abutment surfaces fashioned for rigid attachment interchangeably to said bed wings, said members respectively providing horizontal and vertical guideways and each being rigidly secured to one of said wings, a pair of saddles having surfaces mating with said guideways, interchangeable tool units demountably secured to the respective saddles and each having a tool spindle, and power actuated mechanisms demountably carried by the respective saddles and each adapted to drive the tool spindle thereon and move the saddle back and forth along its supporting guideway.

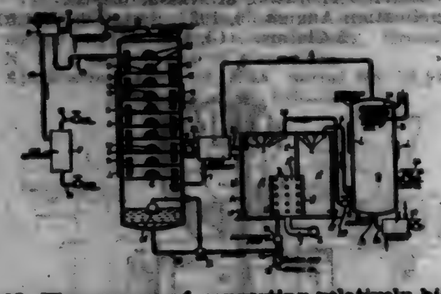
28. The method of constructing machine tools for the performance of any one of a variety of distinct types of metal removing operations, which comprises preforming and fashioning structurally separate units for interchangeable attachment together in a variety of different relations as required by the angle and number of lines of relative approach between the tool and the work, such preforming and fashioning being effected along such lines of division between such units as to segregate in each unit a distinct and individual function which is common to all of the machine tools to be constructed, so that each unit will perform its individual function irrespective of its positional relation to the other units when assembled, selecting particular units having the functions required for a particular machine, and securing together the selected units in operative relation to carry on the particular metal removing process desired.

2,028,728

OIL CRACKING SYSTEM

Albert G. Peterkin, Jr., Bryn Mawr, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application May 4, 1929, Serial No. 360,259. Divided and this application March 3, 1933, Serial No. 659,451
21 Claims. (Cl. 196—49)



13. The process of converting relatively high-boiling hydrocarbon oil to lower boiling oil, which comprises, subjecting high boiling oil to cracking temperature while passing under pressure in a stream of relatively small cross-sectional area through zones of a furnace which are respectively convectively and radiantly heated, introducing the cracked oil directly into a vaporizing zone, conducting vapors from said vaporizing zone to a fractionating zone wherein there are separated a series of liquid fractions of progressively increasing volatility, removing from an intermediate point in said fractionating zone a liquid fraction having lower volatility than gasoline but which will substantially completely vaporize under vapor phase cracking conditions, substantially completely vaporizing said fraction and heating it to cracking temperature while passing in a stream of relatively small cross-sectional area through a third heating zone in a furnace wherein it is subjected to substantially only radiant heat, and thereafter directly introducing the cracked products into the said vaporizing zone.

2,028,729

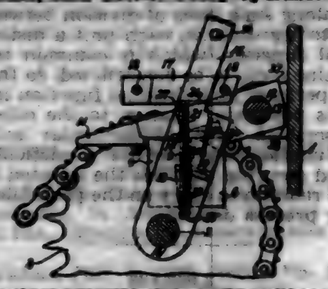
COIN CONTROLLED APPARATUS

Heinrich F. Fischenberg, Newtown Square, Pa., assignor to Joseph G. Denny, Jr.

Application December 17, 1932, Serial No. 647,893
7 Claims. (Cl. 194—41)

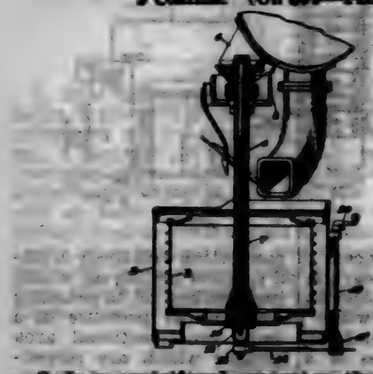
1. In a coin-controlled mechanism, the combination with a movable shaft and a detent controlling the movement of said shaft of a member having thereon coin guides for the engagement of faces of coins and a member containing a plurality of coin slots of different sizes and having thereon a plurality of coin stops adapted for the engagement of the edges of coins at different po-

sitions in their path of movement between said coin guides, said detent being operable by coins



inserted through said slots and positioned by said stops.

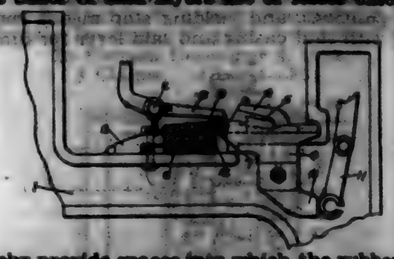
2,028,720
STEADY BEARING FOR CENTRIFUGAL SEPARATORS
John F. Theil, Needham, Mass., assignor to American Tool and Machine Company, Hyde Park, Mass., a corporation of Massachusetts
Application August 30, 1932, Serial No. 631,074
5 Claims. (Cl. 308—142)



2. In a centrifugal separator, the combination with a basket and means supported at a point above the basket for suspending the basket for rapid rotation about an approximately vertical axis, of a shaft extending downwardly from said basket, a bearing for said shaft located below said basket and mounted to swing in a horizontal plane with said shaft, an arm connected with said bearing and extending laterally therefrom toward the frame of the machine, a bracket secured to said frame and having a guideway in which said arm slides, and a rod threaded through said bracket to bear on said arm for clamping it to the bracket.

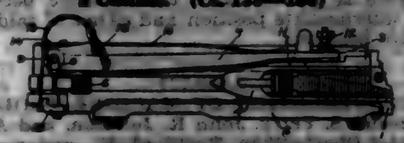
2,028,721
LOOM PROTECTION MECHANISM
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application November 23, 1934, Serial No. 754,519
8 Claims. (Cl. 139—346)

1. In a loom protection mechanism, a frog support, a thrust wall, a frog slidably mounted on said support and recessed to form with said support and wall a substantially closed cavity, and a cushion member positioned in said cavity and substantially co-extensive in length therewith, said member being comprised of alternate layers formed respectively of a resilient rubber material and a relatively rigid material, each of said layers being positioned normal to the direction of movement of the frog and certain of said layers being co-extensive in width and height with said cavity while other of said layers are of lesser extent to



thereby provide spaces into which the rubber layers expand upon compression of the said member.

2,028,722
SHUTTLE CHECK
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application September 17, 1935, Serial No. 40,542
3 Claims. (Cl. 139—188)



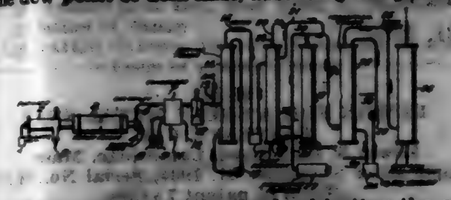
1. In a fly shuttle loom, the combination of a lay, a shuttle, a shuttle box having a binder adapted to be engaged and moved laterally of the shuttle box by the incoming shuttle, said binder being provided with a curved friction surface projecting exteriorly of the shuttle box, a flexible friction strap engaging said surface, means fixing one end of said strap to the lay, and spring means yieldingly connecting the other end of the strap to the binder, said spring means acting in a direction to pull said strap against said friction surface to thereby frictionally oppose said movement of the binder by the shuttle.

2,028,723
PRODUCTION OF SULPHURIC ACID BY THE CONTACT PROCESS
Cyril B. Clark, Scarsdale, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application June 6, 1933, Serial No. 674,439
18 Claims. (Cl. 23—175)

1. A process of producing sulphuric acid which comprises subjecting a gas containing SO_2, sufficient oxygen to permit oxidation of the SO_2 to SO_3, and a gaseous combustible hydrogen containing material in the gas having a hydrogen content greater than 8 milligrams per cubic foot to oxidation in a sulphuric acid converter in the presence of a sulphuric acid contact mass at reaction temperature whereby the SO_2 is transformed into SO_3 and the hydrogen content of the gas is oxidized to H_2O, passing the resulting gases into a sulphuric acid absorber without permitting the temperature to fall below the dew point for acid mist and subjecting the exhaust gases from the absorber to dry precipitation of residual acid mist.

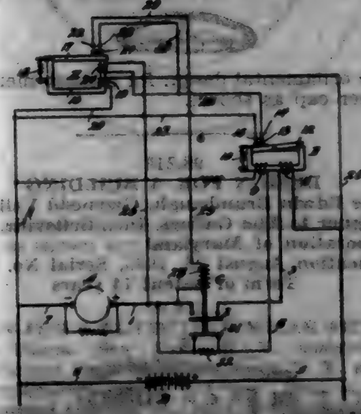
10. A method of producing sulphuric acid from gases containing an SO_2 concentration insufficient for adequate heat maintenance in the converter, which comprises adding to the SO_2 gas mixture gaseous hydrogen containing substances to supply enough heat during the conversion to maintain proper temperature conditions in the converter, adjusting the oxygen content of the gas for conversion of the SO_2 and combustion of the hydrogen containing material and passing the gas stream at reaction temperature over a contact

sulphuric acid catalyst in a converter, maintaining the temperature of the converted gases above the dew point of acid mist, absorbing the gases in



a sulphuric acid absorber and subjecting the exhaust gases from the absorber to dry precipitation of acid mist.

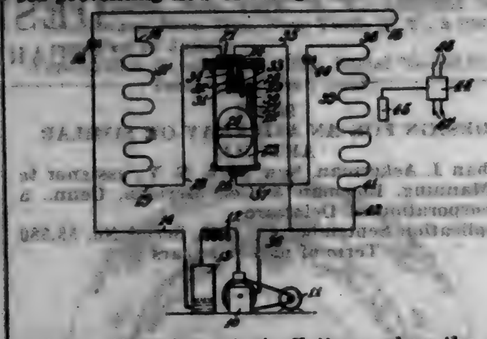
2,028,724
TRAIN LIGHTING SYSTEM
Joseph F. Frese, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Application October 7, 1935, Serial No. 43,983
3 Claims. (Cl. 171—313)



1. In a train lighting system, a storage battery, a variable speed generator for charging the battery, a charging circuit including a normally open contactor, a normally open circuit for connecting the magnet of said contactor to the generator and means controlling said latter circuit to close the same only when the generator voltage is above the battery voltage comprising a relay having a coil constantly energized by current from the battery and having a switch biased to closed position but normally held in open position by the magnetizing effect of said coil and having also a coil adapted to be connected to the generator and to neutralize the magnetizing effect of the battery coil when the generator voltage is above the battery voltage, thereby to permit said switch to close, and a relay responsive to generator voltage adapted to connect said generator coil to the generator at a predetermined generator voltage.

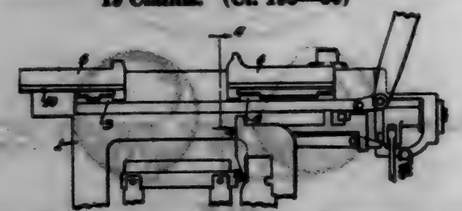
2,028,725
REFRIGERATING SYSTEM
Franklin B. Hunt, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application April 24, 1931, Serial No. 533,439
18 Claims. (Cl. 62—116)

1. In a refrigerating system, a source of volatile liquid refrigerant, a refrigerating element connected to said source, a second refrigerating element connected to said source through said first refrigerating element, and automatic means for preventing flow of refrigerant to said second



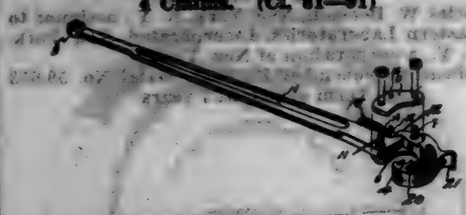
refrigerating element at all times when the demands upon said first refrigerating element are not satisfied.

2,028,726
VISE FOR SLUG CASTING MACHINES
Einar G. Klingberg, Long Island City, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application April 29, 1935, Serial No. 18,911
19 Claims. (Cl. 199—56)



1. In a slug casting machine having a vise, a vise jaw support mounted thereon, and means for mounting a vise jaw on said support at different levels.

2,028,727
OIL WELL TUBING WRENCH
James S. Taylor, Tulsa, Okla.
Application July 18, 1934, Serial No. 735,547
4 Claims. (Cl. 81—91)



1. A tubing wrench comprising a semicircular shaped jaw adapted to arch one side of a tube, the outer end of said jaw having a tube gripping member, a handle member adjacent the inner end of the jaw, a link connection between the handle member and the inner end of the jaw and forced into engagement with the tube upon movement of the handle member in one direction, said link connection having tube engaging means adjacent its pivotal connection to the jaw and cooperating with the periphery of the tube whereby upon movement of the handle in one direction a tube will be rolled into the segmentally shaped jaw and gripped therein and upon movement in an opposite direction a tube will be rolled from its gripped position within the jaw.

DESIGNS

JANUARY 21, 1936

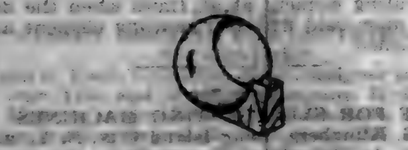
98,207

DESIGN FOR AN ASH TRAY OR SIMILAR ARTICLE

Arban J. Ackerman, New York, N. Y., assignor to Manning, Bowman & Co., Meriden, Conn., a corporation of Delaware

Application September 17, 1935, Serial No. 38,580

Term of patent 7 years



The ornamental design for an ash tray or similar article, substantially as shown and described.

98,208

DESIGN FOR A MULTIPLE SERVICE HAIR DRIER APPARATUS

Charles W. Boosten, New York, N. Y., assignor to Eastern Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 19, 1935, Serial No. 39,483

Term of patent 7 years



The ornamental design for a multiple service hair drier apparatus, substantially as shown and described.

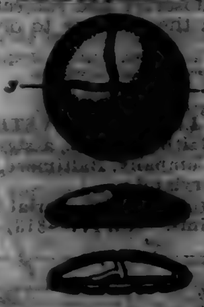
98,209

DESIGN FOR A SHEET METAL SNAP FASTENER CAP

Edwin S. Blanchard, Cambridge, Mass.

Application November 27, 1934, Serial No. 54,178

Term of patent 7 years



The ornamental design for a sheet metal snap fastener cap as shown.

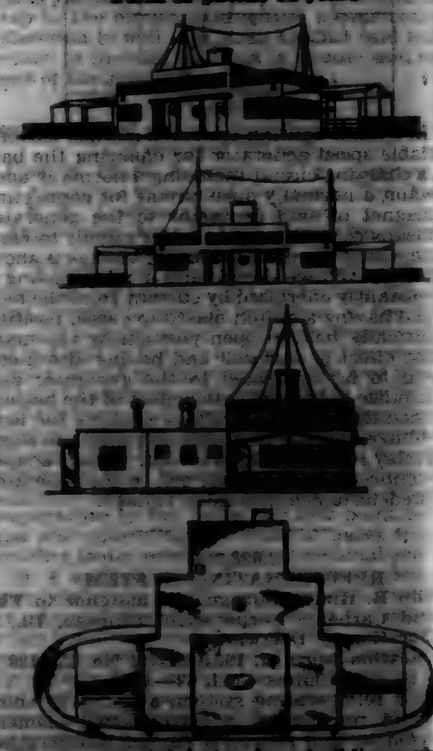
98,210

DESIGN FOR A BUILDING

George Edwin Brumbaugh, Gwynedd Valley, Pa., assignor to The Gallery, Inc., Beltsville, Md., a corporation of Maryland

Application August 28, 1935, Serial No. 38,341

Term of patent 14 years



The ornamental design for a building, substantially as shown and described.

98,211

DESIGN FOR A PLATE OR SIMILAR ARTICLE

Yukio Ikuma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan

Application October 16, 1935, Serial No. 39,839

Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

98,212

DESIGN FOR A PLATE OR SIMILAR ARTICLE

Yukio Ikuma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan

Application October 16, 1935, Serial No. 39,840

Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

98,213

DESIGN FOR A PLATE OR SIMILAR ARTICLE

Yukio Ikuma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan

Application October 16, 1935, Serial No. 39,841

Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

98,214

DESIGN FOR A PLATE OR SIMILAR ARTICLE

Yukio Ikuma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan

Application October 16, 1935, Serial No. 39,843

Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

98,215
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Bunna, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 39,647
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

98,216
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Bunna, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 39,648
Term of patent 7 years



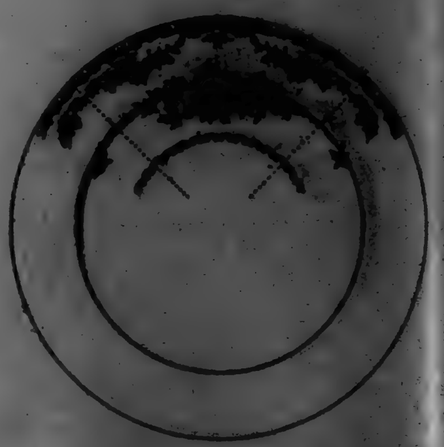
The ornamental design for a plate or similar article, as shown and described.

98,217
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Bunna, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 39,649
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

98,218
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Bunna, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 39,650
Term of patent 7 years



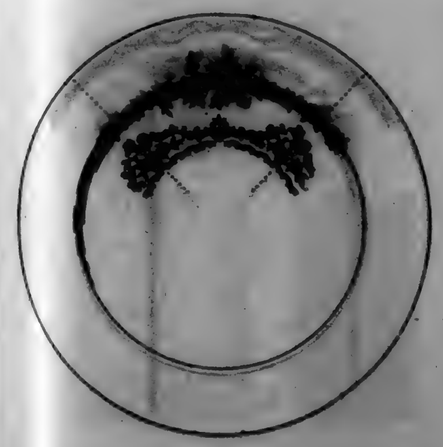
The ornamental design for a plate or similar article, as shown and described.

98,219
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Bunna, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 39,669
Term of patent 7 years



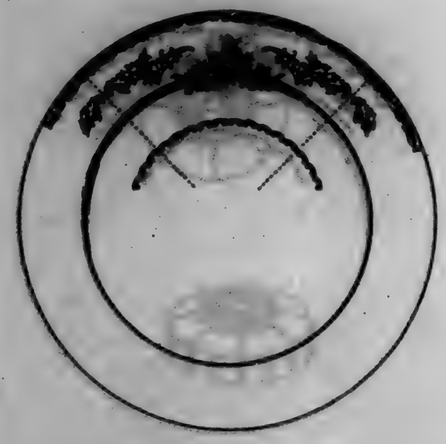
The ornamental design for a plate or similar article, as shown and described.

98,220
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Bunna, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 39,694
Term of patent 7 years



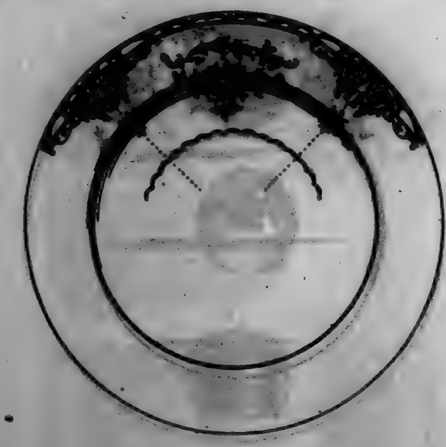
The ornamental design for a plate or similar article, as shown and described.

98,221
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Bunna, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 39,669
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

98,222
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Bunna, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 39,671
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

98,326
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Ikuma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 39,073
Term of patent 7 years



The ornamental design for a plate or similar article as shown and described.

98,327
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Ikuma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 39,077
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

98,328
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Ikuma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 39,078
Term of patent 7 years



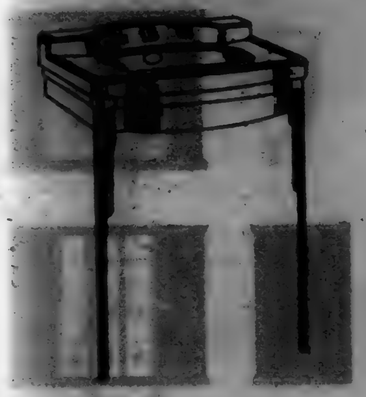
The ornamental design for a plate or similar article, as shown and described.

98,329
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Ikuma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 39,161
Term of patent 7 years



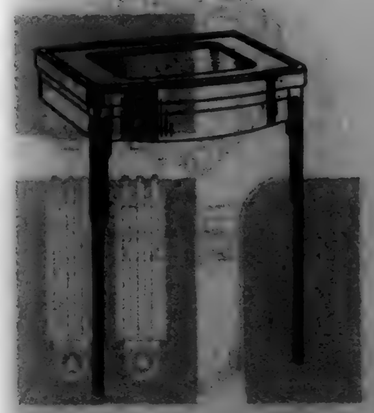
The ornamental design for a plate or similar article, as shown and described.

98,327
DESIGN FOR A WASHSTAND
John A. Callahan, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application April 20, 1935, Serial No. 16,264
Term of patent 14 years



The ornamental design for a washstand, substantially as shown.

98,328
DESIGN FOR A WASHSTAND
John A. Callahan, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application April 20, 1935, Serial No. 16,265
Term of patent 14 years



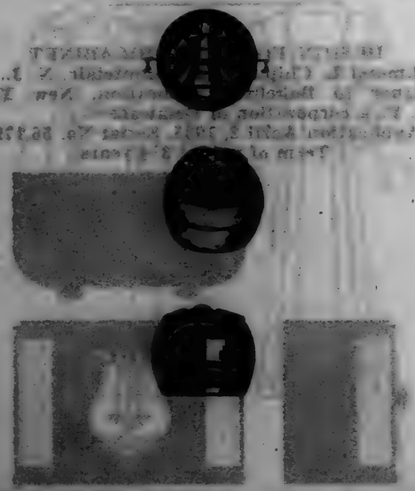
The ornamental design for a washstand, substantially as shown.

98,329
DESIGN FOR A LID FOR A CONTAINER
Reco Capey, London, England, assignor to Yardley & Co. Limited, London, England, a corporation of Great Britain and Ireland
Application August 26, 1935, Serial No. 38,184
Term of patent 14 years



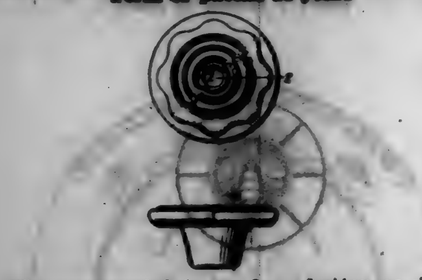
The ornamental design for a lid for a container, substantially as shown.

98,330
DESIGN FOR A CAP OR ANALOGOUS CLOSURE FOR BOTTLES
Reco Capey, London, England, assignor to Yardley & Co. Limited, London, England, a corporation of Great Britain and Ireland
Application August 26, 1935, Serial No. 38,187
Term of patent 14 years



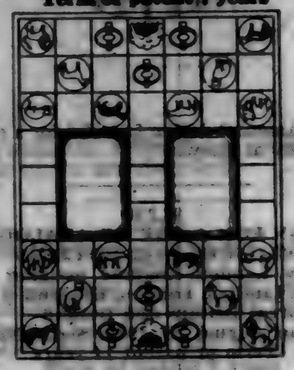
The ornamental design for a cap or analogous closure for bottles, substantially as shown.

96,231
DESIGN FOR A BUTTON
Leonard R. Curley, Watertown, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application October 16, 1935, Serial No. 49,996
Term of patent 14 years



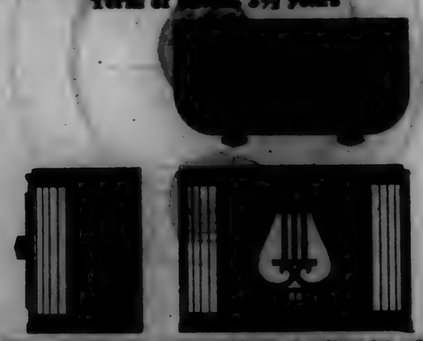
The ornamental design for a button as shown.

96,232
DESIGN FOR A GAME BOARD
Toni C. Eibl, Chicago, Ill.
Application November 27, 1935, Serial No. 59,993
Term of patent 7 years



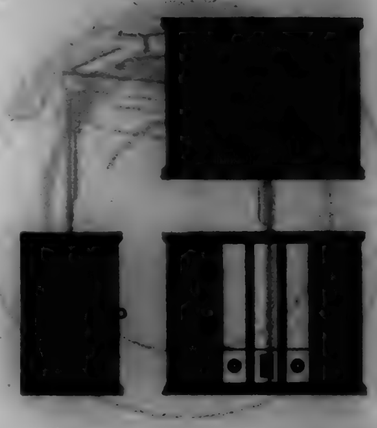
The ornamental design for a game board, as shown.

96,233
DESIGN FOR A RADIOCABINET
Richmond L. Chipman, Jr., Montclair, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
Application April 2, 1935, Serial No. 56,179
Term of patent 3½ years



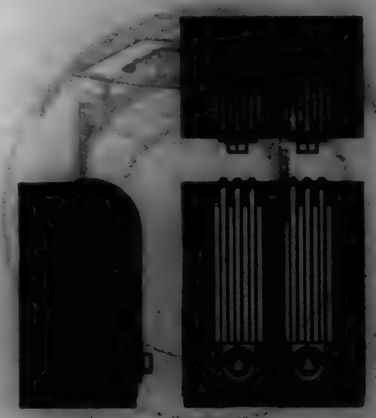
The ornamental design for a radiocabinet, as shown and described.

96,234
DESIGN FOR A RADIOCABINET
Richmond L. Chipman, Jr., Montclair, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
Application June 26, 1935, Serial No. 57,446
Term of patent 3½ years



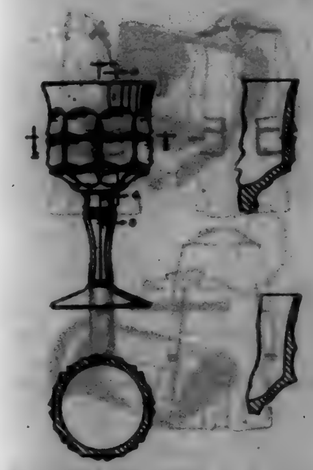
The ornamental design for a radiocabinet, as shown and described.

96,235
DESIGN FOR A RADIOCABINET
Richmond L. Chipman, Jr., Montclair, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
Application June 26, 1935, Serial No. 57,445
Term of patent 3½ years



The ornamental design for a radiocabinet, as shown and described.

96,236
DESIGN FOR A GOBLET
Jeddie B. Clark, Dunkirk, Ind., assignor to Indiana Glass Company, Dunkirk, Ind., a corporation of Indiana
Application October 16, 1935, Serial No. 59,663
Term of patent 7 years



The ornamental design for a goblet, as shown and described.

96,237
DESIGN FOR A CANDY BOX OR THE LIKE
Samuel A. Odom, Bridgeton, Miss.
Application May 27, 1935, Serial No. 57,455
Term of patent 7 years



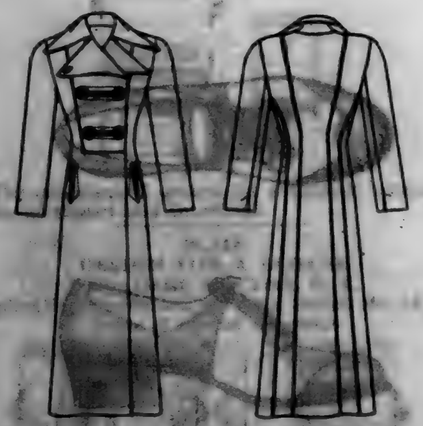
The ornamental design for a candy box or the like, substantially as shown.

96,238
DESIGN FOR AN ASH TRAY
R. Guy Cowan, Syracuse, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application October 7, 1935, Serial No. 58,869
Term of patent 14 years



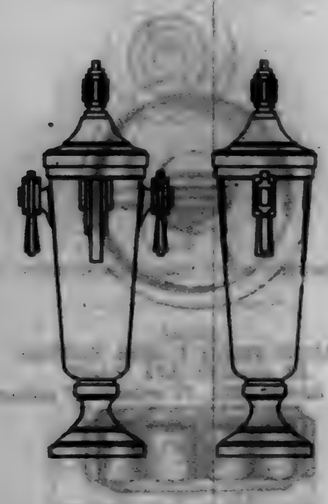
The ornamental design for an ash tray substantially as shown.

96,239
DESIGN FOR A COAT
Milton H. Davis, New York, N. Y.
Application December 17, 1935, Serial No. 60,119
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

98,240
DESIGN FOR A TROPHY CUP
George O. De Hart, Los Angeles, Calif.
Application October 19, 1935, Serial No. 39,140
Term of patent 3½ years



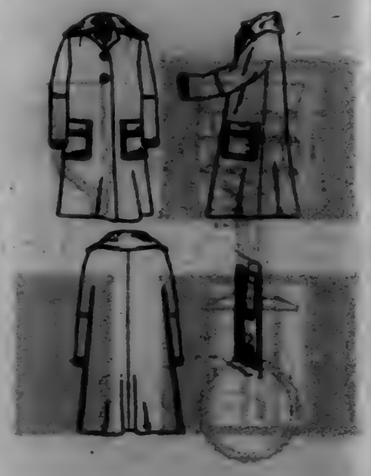
The ornamental design for a trophy cup, substantially as shown.

98,241
DESIGN FOR A SHOE
Walter R. Ebling, Rochester, N. Y., assignor to R. P. Reed & Co., Rochester, N. Y., a corporation of New York
Application December 7, 1935, Serial No. 39,355
Term of patent 7 years



The ornamental design for a shoe, as shown.

98,242
DESIGN FOR A COAT
Jacob H. Hunt, New York, N. Y.
Application December 14, 1935, Serial No. 39,577
Term of patent 3½ years



The ornamental design for a coat, as shown and described.

98,243
DESIGN FOR A COMBINED MANICURE STAND AND CONTAINERS THEREFOR
Alfred A. Fleisher, Bronx, N. Y.
Application November 23, 1935, Serial No. 39,172
Term of patent 7 years



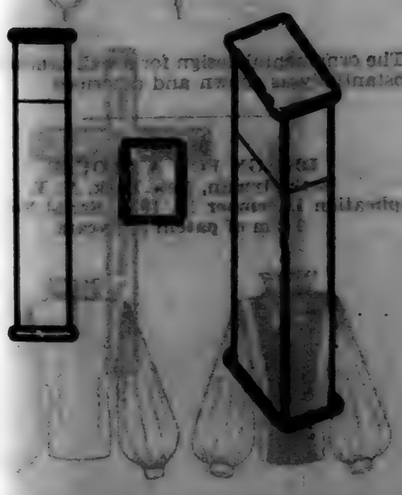
The ornamental design for a combined manicure stand and containers therefor, substantially as shown and described.

98,244
DESIGN FOR A JEWELRY DISPLAY CASE
Leo Elias, New York, N. Y.
Application November 18, 1935, Serial No. 39,035
Term of patent 7 years



The ornamental design for a jewelry display case, substantially as shown.

98,245
DESIGN FOR A CIGARETTE AND CIGAR LIGHTER
Irving Fleeman, New York, N. Y.
Application September 14, 1935, Serial No. 38,582
Term of patent 14 years



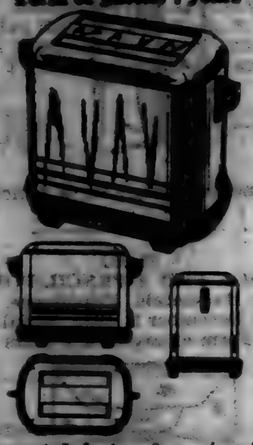
The ornamental design for a cigarette and cigar lighter as shown and described.

98,246
DESIGN FOR A TEXTILE FABRIC
Curt Erwin Hesselmann, Montclair, N. J.
Application March 11, 1935, Serial No. 35,231
Term of patent 14 years



The ornamental design for textile fabric as shown and described.

98,247
DESIGN FOR A TOASTER
Alfred F. Fabal, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application November 18, 1935, Serial No. 39,685
Term of patent 7 years



The ornamental design for a toaster, substantially as shown and described.

98,248
DESIGN FOR A BLOUSE
Irving Geist, New York, N. Y.
Application December 17, 1935, Serial No. 40,120
Term of patent 3½ years



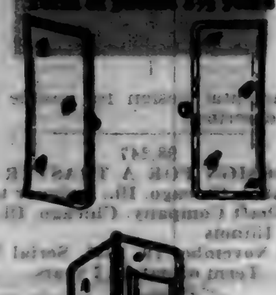
The ornamental design for a blouse, substantially as shown.

98,248
DESIGN FOR A WATCH CRYSTAL
Joseph Goldblatt, Brooklyn, N. Y.
Application November 23, 1935, Serial No. 59,718
Term of patent 14 years



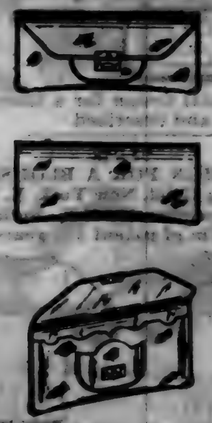
The ornamental design for a watch crystal, as shown.

98,250
DESIGN FOR A PENCIL POUCH
Henry Hanenfeld, Providence, R. I.
Application December 2, 1935, Serial No. 59,832
Term of patent 3½ years



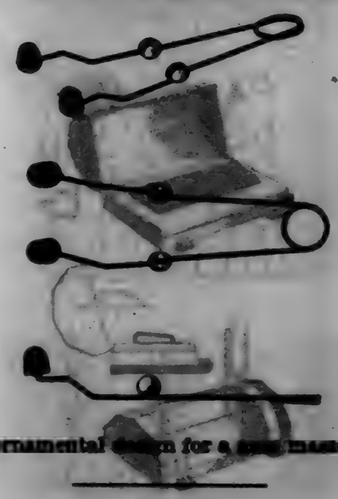
The ornamental design for a pencil pouch, as shown.

98,251
DESIGN FOR A PENCIL POUCH
Henry Hanenfeld, Providence, R. I.
Application December 2, 1935, Serial No. 59,965
Term of patent 3½ years



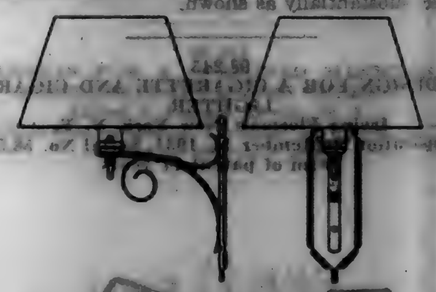
The ornamental design for a pencil pouch, as shown.

98,252
DESIGN FOR A GUM MASSAGER
Paul L. Hamp, Rochester, Minn.
Application September 23, 1935, Serial No. 58,918
Term of patent 14 years



The ornamental design for a gum massager, as shown.

98,253
DESIGN FOR A WALL BRACKET LAMP
Otto G. Hildebrand, Cleveland, Ohio
Application November 14, 1935, Serial No. 59,509
Term of patent 14 years



The ornamental design for a wall bracket lamp, substantially as shown and described.

98,254
DESIGN FOR A BLOUSE
Beth Hyman, New York, N. Y.
Application December 19, 1935, Serial No. 60,112
Term of patent 3½ years



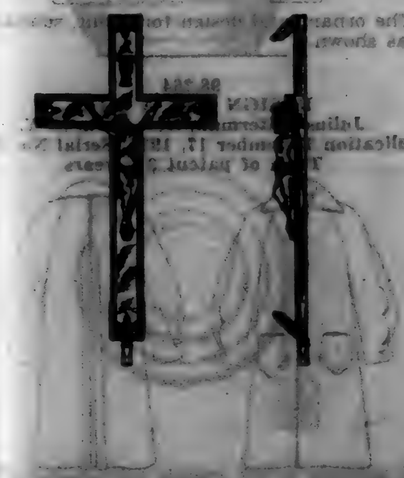
The ornamental design for a blouse, substantially as shown.

98,255
DESIGN FOR A FOUNTAIN PEN AND PENCIL CLIP
David Kahn Weddell, N. J.
Application November 18, 1935, Serial No. 59,640
Term of patent 14 years



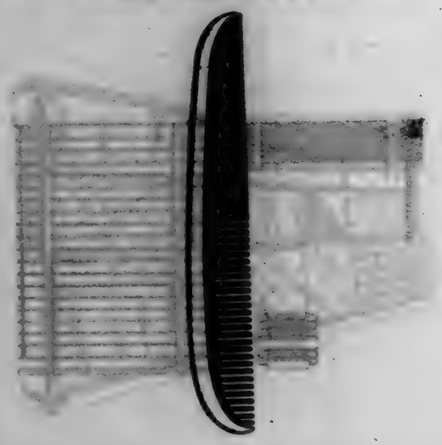
The ornamental design for a fountain pen and pencil clip, substantially as shown.

98,256
DESIGN FOR AN ILLUMINATED CRUCIFIX
Edward King, New York, N. Y.
Application December 14, 1935, Serial No. 60,067
Term of patent 3½ years



The ornamental design for an illuminated crucifix substantially as shown.

98,257
DESIGN FOR A COMB
John J. Eichmeyer, Butler, N. J., assignor to American Hard Rubber Company, New York, N. Y., a corporation of New York
Application November 29, 1935, Serial No. 59,819
Term of patent 7 years



The ornamental design for a comb as shown and described.

98,258
DESIGN FOR A COAT
Max Kolmer, New York, N. Y.
Application December 2, 1935, Serial No. 59,877
Term of patent 3½ years



The ornamental design for a coat substantially as shown.

98,259
DESIGN FOR A HOSE NOZZLE
Howard A. Kramer, Saugus, Mass., assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application April 27, 1935, Serial No. 56,599
Term of patent 3½ years



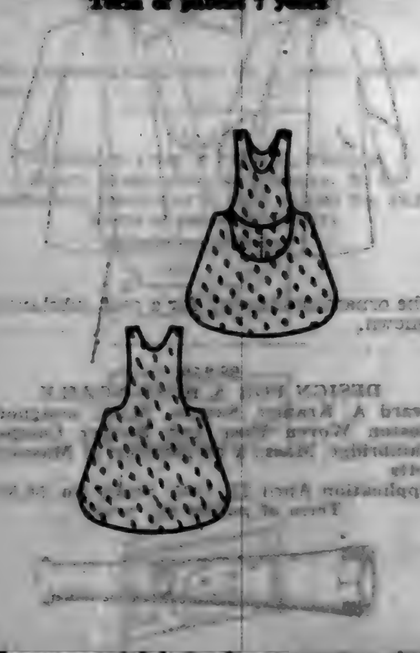
The ornamental design for a hose nozzle substantially as shown.

98,260
DESIGN FOR A COMBINED VENETIAN BLIND AND HOUSING THEREFOR
Peter H. Kuyper, Pella, Iowa, assignor to Reisoroom Company, Pella, Iowa, a corporation of Iowa
Application September 15, 1934, Serial No. 52,201
Term of patent 14 years



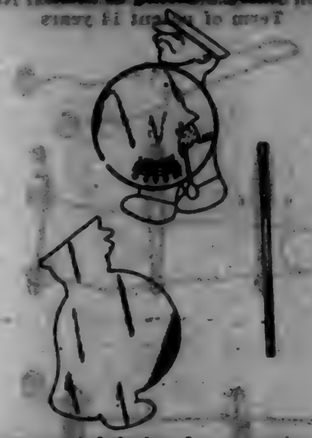
The ornamental design for a combined Venetian blind and housing therefor substantially as shown and described.

98,261
DESIGN FOR AN APRON OR SIMILAR ARTICLE
Katherine G. Langston, St. Louis, Mo.
Application May 23, 1935, Serial No. 56,906
Term of patent 7 years



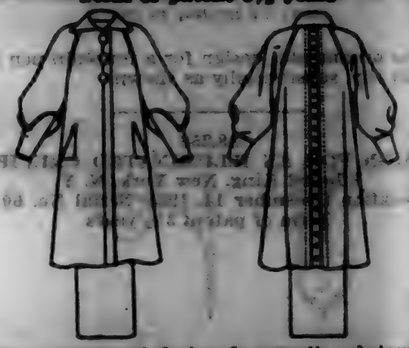
The ornamental design for an apron or similar article, substantially as shown and described.

98,262
DESIGN FOR A COASTER
Michael Leff, Buffalo, N. Y.
Application November 5, 1935, Serial No. 59,301
Term of patent 7 years



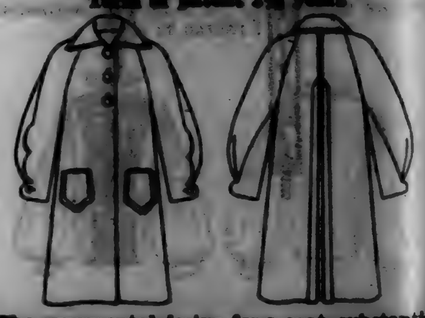
The ornamental design for a coaster, substantially as shown and described.

98,263
DESIGN FOR A SUIT
Julius Letterman, New York, N. Y.
Application December 6, 1935, Serial No. 59,934
Term of patent 3½ years



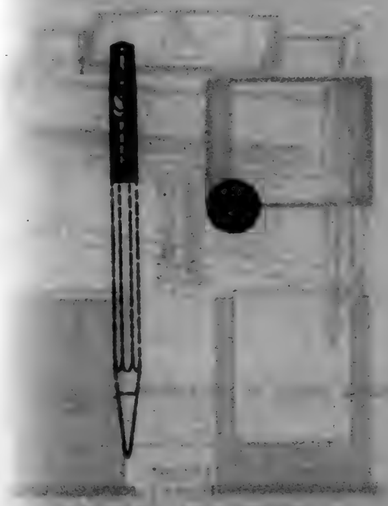
The ornamental design for a suit, substantially as shown.

98,264
DESIGN FOR A COAT
Julius Letterman, New York, N. Y.
Application December 17, 1935, Serial No. 60,111
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

98,265
DESIGN FOR A MECHANICAL PENCIL
John P. Lynn, Chicago, Ill., assignor of one-half to Carl Meyerman, Chicago, Ill.
Application December 9, 1935, Serial No. 59,558
Term of patent 7 years



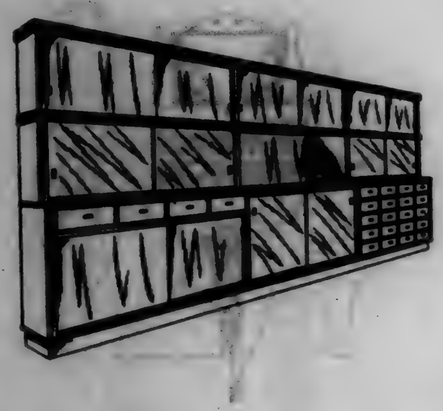
The ornamental design for a mechanical pencil substantially as shown.

98,266
DESIGN FOR A SHAVING BOWL
Jacques Manaska, New York, N. Y., assignor to Houbigant, Inc., New York, N. Y., a corporation of New York
Application November 25, 1935, Serial No. 59,321
Term of patent 14 years



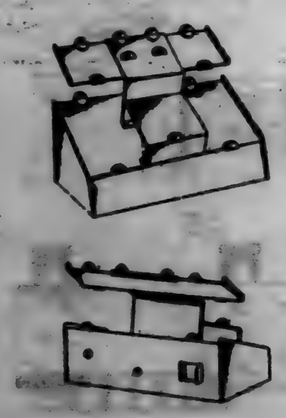
The ornamental design for a shaving bowl substantially as shown.

98,267
DESIGN FOR A SHOW CASE OR SIMILAR ARTICLE
Richard H. Marr, Detroit, Mich., assignor to Detroit Show Case Company, Detroit, Mich., a corporation of Michigan
Application May 27, 1935, Serial No. 57,632
Term of patent 7 years



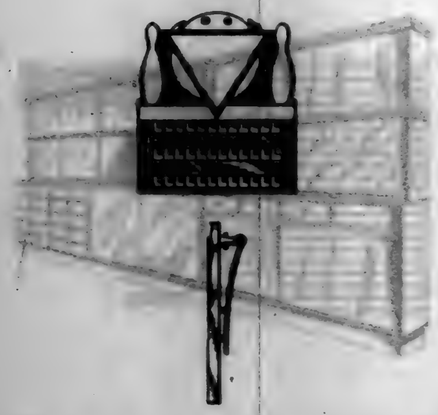
The ornamental design for a show case or similar article, as shown.

98,268
DESIGN FOR A COMBINATION DISPLAY STAND AND DISPENSING CABINET FOR GUMMED TAPE, STRING, AND ELASTIC BANDS
David A. McCowan, Toronto, Ontario, Canada
Application June 10, 1935, Serial No. 57,597
In Canada June 5, 1935
Term of patent 14 years



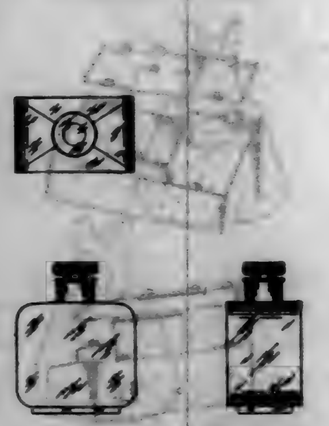
The ornamental design for a combination display stand and dispensing cabinet for gummed tape, string and elastic bands, as shown.

98,269
DESIGN FOR A MEDAL
Howard McCullough, Detroit, Mich., assignor to Wendell & Company, Chicago, Ill., a corporation of Illinois
Application October 30, 1935, Serial No. 59,273
Term of patent 3½ years



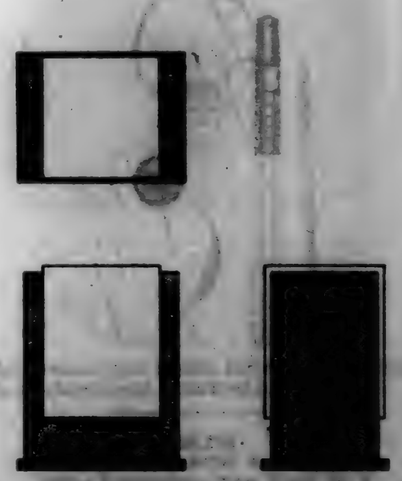
The ornamental design for a medal, substantially as shown and described.

98,270
DESIGN FOR A BOTTLE
Frank McIntosh, New York, N. Y., assignor to Lenthéric Incorporated, New York, N. Y., a corporation of New York
Application May 11, 1935, Serial No. 56,782
Term of patent 14 years



The ornamental design for a bottle substantially as shown.

98,271
DESIGN FOR A BOX
Frank McIntosh, New York, N. Y., assignor to Lenthéric Incorporated, New York, N. Y., a corporation of New York
Application May 11, 1935, Serial No. 56,784
Term of patent 14 years



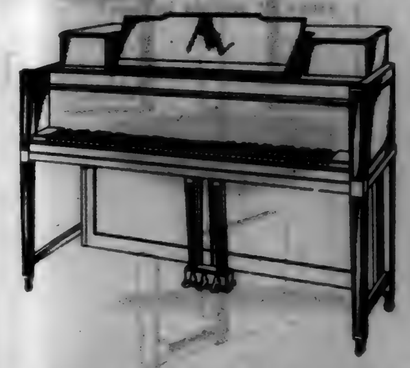
The ornamental design for a box substantially as shown.

98,272
DESIGN FOR A PIANO
George Lawrence Miller, Philadelphia, Pa., assignor to Lester Piano Company, a corporation of Pennsylvania
Application November 16, 1935, Serial No. 59,433
Term of patent 7 years



The ornamental design for a piano, substantially as shown.

98,273
DESIGN FOR A PIANO
George Lawrence Miller, Philadelphia, Pa., assignor to Lester Piano Company, a corporation of Pennsylvania
Application November 16, 1935, Serial No. 59,431
Term of patent 7 years



The ornamental design for a piano, substantially as shown.

98,274
DESIGN FOR A COMBINED WASHING MACHINE AND DRIER
Charles E. Marquisteru, Binghamton, N. Y., assignor to Nineteen Hundred Corporation, Binghamton, N. Y., a corporation of New York
Application September 5, 1935, Serial No. 58,423
Term of patent 14 years



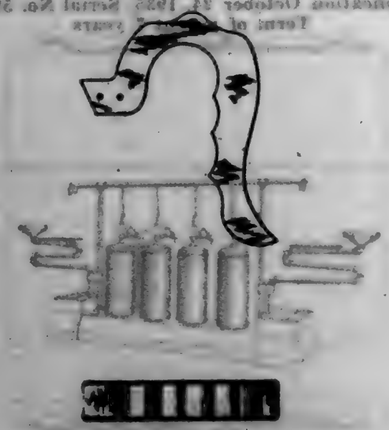
The ornamental design for a combined washing machine and drier, as shown.

98,275
DESIGN FOR A SHOE
Frederick W. Goltz, Boston, Mass., assignor to Louis H. Salvage Shoe Co. Incorporated, Manchester, N. H., a corporation of New Hampshire
Application August 17, 1935, Serial No. 58,181
Term of patent 3½ years



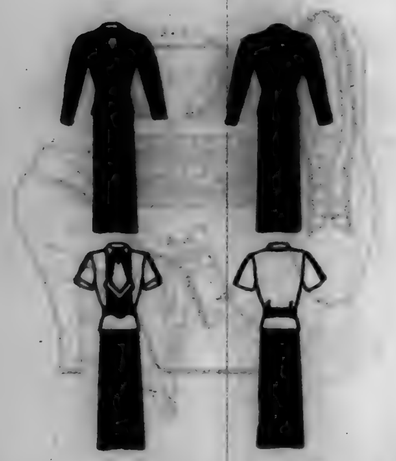
The ornamental design for a shoe substantially as shown.

98,276
DESIGN FOR A HANDLE FOR A POT OR THE LIKE
Isaac D. Rickhelmer and Joseph Misin, New York, N. Y., assignors to Tricolator Co. Inc., New York, N. Y., a corporation of New York
Application August 17, 1935, Serial No. 58,187
Term of patent 3½ years



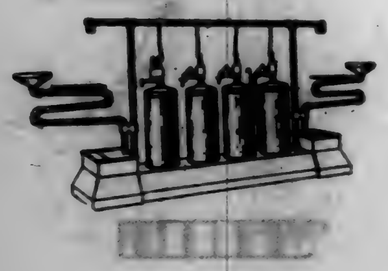
The ornamental design for a handle for a pot or the like, as shown.

96,277
DESIGN FOR AN ENSEMBLE DRESS
Emil Schwartz, New York, N. Y.
Application December 17, 1935, Serial No. 60,121
Term of patent 3½ years



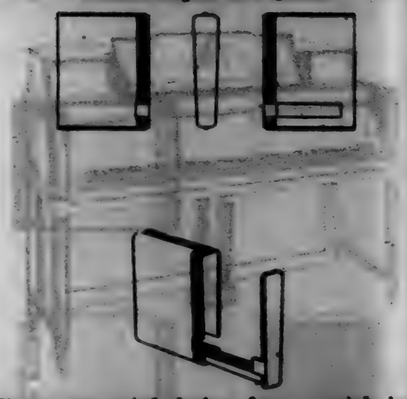
The ornamental design for an ensemble dress, substantially as shown, and described.

96,278
DESIGN FOR A LUBRICATING UNIT
Billy M. Stephens, Warren, Pa., assignor to Hyvis Oils, Inc., Warren, Pa., a corporation of Delaware
Application October 24, 1935, Serial No. 59,199
Term of patent 7 years



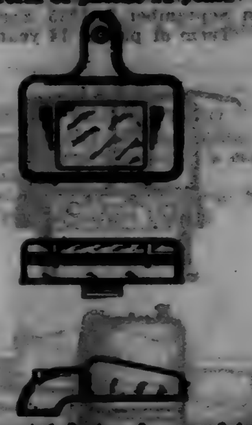
The ornamental design for a lubricating unit, as shown and described.

96,279
DESIGN FOR A MATCH BOX
Carl W. Sundberg, Detroit, Mich., assignor to Erie Resistor Corporation, Erie, Pa., a corporation of Pennsylvania
Application November 16, 1935, Serial No. 59,631
Term of patent 7 years



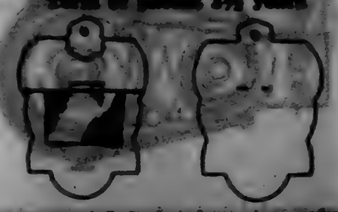
The ornamental design for a match box as shown and described.

96,280
DESIGN FOR A SAFETY SHIELD FOR TOOL GRINDERS OR SIMILAR ARTICLE
Herbert R. Towle, Milwaukee, Wis., assignor to The Dolan Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 16, 1935, Serial No. 59,634
Term of patent 14 years



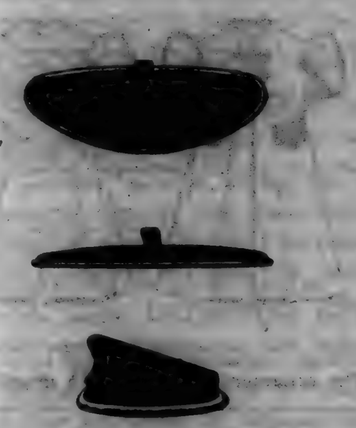
The ornamental design for a safety shield for tool grinders or similar article, as shown.

96,281
DESIGN FOR A TAG
Alice H. Thorsen, New York, N. Y.
Application December 11, 1935, Serial No. 60,001
Term of patent 3½ years



The ornamental design for a tag, substantially as shown, and described.

96,282
DESIGN FOR A COMBINED FACE PANEL AND BEZEL FOR ASH RECEIVERS
John Visser, Grand Rapids, Mich., assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich., a corporation of Michigan
Application July 17, 1935, Serial No. 57,677
Term of patent 14 years



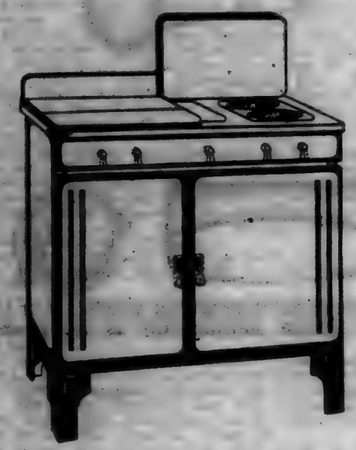
The ornamental design for a combined face panel and bezel for ash receivers, as shown.

96,283
DESIGN FOR A COMBINED FACE PANEL AND BEZEL FOR ASH RECEIVERS
John Visser, Grand Rapids, Mich., assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich., a corporation of Michigan
Application July 17, 1935, Serial No. 57,678
Term of patent 14 years



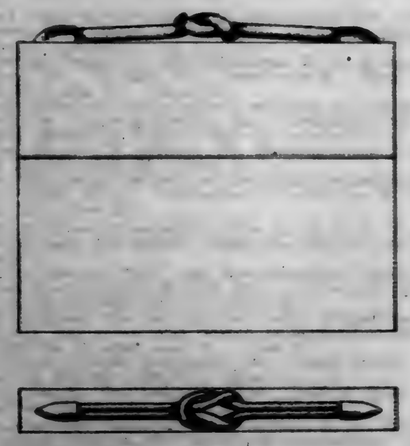
The ornamental design for a combined face panel and bezel for ash receivers, as shown.

96,284
DESIGN FOR A STOVE
Anlen K. Weidtfeld, Baltimore, Md., assignor to Harry C. Weidtfeld Co., Inc., Baltimore, Md., a corporation of Maryland
Application December 3, 1935, Serial No. 59,894
Term of patent 7 years



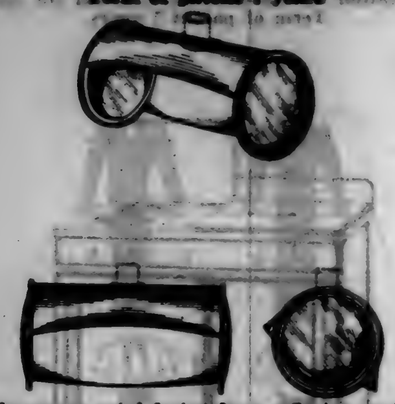
The ornamental design for a stove substantially as shown and described.

96,285
DESIGN FOR A HANDBAG
Morris White, New York, N. Y.
Application December 17, 1935, Serial No. 60,135
Term of patent 14 years



The ornamental design for a handbag, substantially as shown and described.

98,286
DESIGN FOR A REFLECTOR OR SIMILAR LIGHTING FIXTURE
Wesley Wilson, Chicago, Ill.
Application August 30, 1934, Serial No. 53,119
Term of patent 7 years

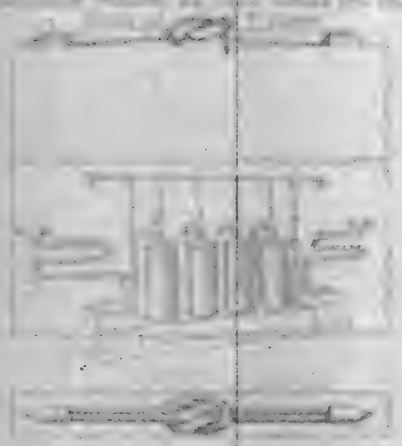


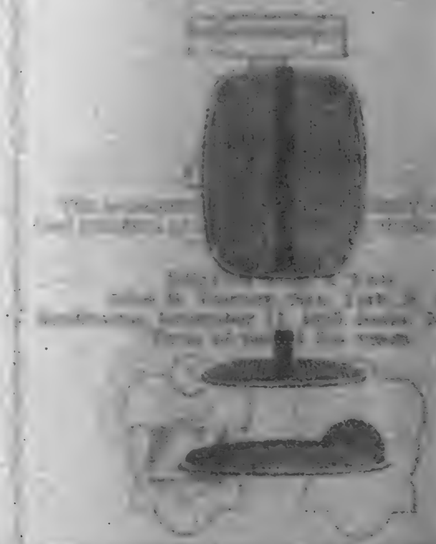
The ornamental design for a reflector or similar lighting fixture, substantially as shown and described.

98,287
DESIGN FOR A DRESS
Mary Muldoon, Philadelphia, Pa., assignor to Rosman Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania.
Application November 30, 1935, Serial No. 58,110
Term of patent 3½ years



The ornamental design for a dress as shown.





LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Advance Solvents & Chemical Corporation, New York, N. Y. Synthetic resins. Serial No. 372,616; Jan. 21. Class 6.

Aeolian American Corporation, New York, N. Y. Pianos. Serial No. 372,220; Jan. 21. Class 20.

All Weather Processors, Inc., New York, N. Y. Hunting and fishing suits, toy coats, leggings, etc. Serial No. 370,490; Jan. 21. Class 39.

American Chemical and Cosmetic Manufacturing, Inc., Indianapolis, Ind. Cosmetics. Serial No. 368,450; Jan. 21. Class 6.

Apfel, M., & Bro. Inc., New York, N. Y. Ladies' hats. Serial No. 371,575; Jan. 21. Class 39.

Associated Publishers Corporation, Chicago, Ill. Trade journal and periodical. Serial No. 372,611; Jan. 21. Class 38.

Baldwin Company, The, Cincinnati, Ohio. Pianos. Serial No. 372,233; Jan. 21. Class 20.

Barbasol Company, The, Indianapolis, Ind. Toilet powder. Serial No. 371,519; Jan. 21. Class 6.

Barrell, William L., Company, New York, N. Y. Cotton suitings. Serial No. 370,964; Jan. 21. Class 42.

Bartlett Hayward Company, The, Baltimore, Md. Apparatus for expanding patterns. Serial No. 372,359; Jan. 21. Class 23.

Bercut Richards Packing Co., Sacramento, Calif. Canned fruit and canned Spanish style hot sauce. Serial No. 370,937; Jan. 13. Class 46.

Bird-Archer Company, The, New York, N. Y. Cement. Serial No. 371,507; Jan. 21. Class 12.

Blecker Beauty Shops, Inc., Chicago, Ill. Permanent wave pads. Serial No. 370,652; Jan. 21. Class 44.

Boskamp, Kurt, doing business as Firma G. Pohl, Benedit-Langfur, Free State of Danzig. Nitro-glycerine capsules. Serial No. 372,230; Jan. 21. Class 6.

Briolina, Incorporated, Baltimore, Md. Improvement salve. Serial No. 371,307; Jan. 21. Class 6.

Calco Chemical Company, Inc., The, Bound Brook, N. J. Medicinal preparation. Serial No. 369,963; Jan. 21. Class 4.

California Thonging Company, St. Louis, Mo. Boot and shoe laces. Serial No. 371,596; Jan. 21. Class 40.

Camel Lead Color & Chemical Products Mfg. Corp., Brooklyn, N. Y. Ready-mixed paint and paint enamel and wall paint. Serial No. 371,512; Jan. 21. Class 19.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Cleaning compositions. Serial No. 371,524; Jan. 21. Class 4.

Cardinal Laboratories, Inc., Chicago, Ill. Insecticides and shoe dyes. Serial No. 370,973; Jan. 21. Class 6.

Carter, William, Company, The, Needham Heights, Mass. Infants' and children's wearing apparel and sleeping garments. Serial No. 371,015; Jan. 21. Class 39.

Casein Manufacturing Company of America, Inc., New York, N. Y. Glues. Serial No. 371,580; Jan. 21. Class 5.

Chuett, Peabody & Co., Inc., Troy, N. Y. Collars. Serial No. 372,655; Jan. 21. Class 39.

Comex Trading Co., Inc., New York, N. Y. Olive oil. Serial No. 372,165; Jan. 21. Class 46.

Cooper, Wells & Company, St. Joseph, Mich. Hosiery for women. Serial No. 369,430; Jan. 21. Class 39.

Co-Operative Flour System. (See Van Brocklin Bros.)

Copperstein, Israel, doing business as General Glass & Lumber Company, Cleveland, Ohio. Sheet glass. Serial No. 371,618; Jan. 21. Class 32.

Corporate Reorganizations. (See Isaac, Max.)

Coumendakis, Costas, Roselle, N. J. Steam tables for restaurant use. Serial No. 372,388; Jan. 21. Class 13.

Crafton Mutual Orchards, Mentone and Crafton, Calif. Fresh citrus fruit. Serial No. 371,940; Jan. 21. Class 46.

Cresca Company, Incorporated, New York, N. Y. Canned sardines. Serial No. 370,942; Jan. 21. Class 46.

Culbertson, John, & Son, Philadelphia, Pa. Woven fabrics. Serial No. 371,309; Jan. 21. Class 42.

Curtis Lighting, Inc., Chicago, Ill. Electric illuminating fixtures and parts thereto. Serial No. 371,289; Jan. 21. Class 21.

Dallas Brewery, Inc., Dallas, Tex. Beer. Serial No. 372,461; Jan. 21. Class 45.

Dart, J. W., Paint & Varnish Works. (See Walgreen Co.)

Derma Helth Company, Omaha, Nebr. Skin ointment. Serial No. 365,695; Jan. 21. Class 6.

Dermalure Company, Chicago, Ill. Facial creams. Serial No. 370,879; Jan. 21. Class 6.

Du Pont, E. I. de Nemours and Company, Wilmington, Del. Rubber coated fabrics, rubber sheeting, synthetic rubber sheeting, etc. Serial No. 369,828; Jan. 21. Class 50.

Eastman Kodak Company, Rochester, N. Y. Paste. Serial No. 371,625; Jan. 21. Class 6.

Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens. (See Mülhens, Paul P.)

Eco Chemical Company. (See Lansing, Samuel.)

Fairbanks-Morse Home Appliances, Inc., Chicago, Ill. Washing machines. Serial No. 372,551; Jan. 21. Class 21.

Fairbanks-Morse Home Appliances, Inc., Chicago, Ill. Refrigerators. Serial No. 372,554; Jan. 21. Class 21.

Family Kitchen, Inc., The, San Francisco, Calif. Canned salad vegetables, canned vegetables, and canned bean salad. Serial No. 371,569; Jan. 21. Class 46.

Farnsina Company, The, Philadelphia, Pa. Medicinal product. Serial No. 371,590; Jan. 21. Class 6.

Federal Foods, Inc., Columbus, Ohio. Prepared chocolate powder for making food beverages. Serial No. 370,948; Jan. 21. Class 46.

Fleckenland, R., & Son, Inc., Liverpool, N. Y. Pickles, tea, coffee, etc. Serial No. 370,944; Jan. 21. Class 46.

Ford, Beulah M., Albany, N. Y. Hair grower, tetter oil, cold cream, etc. Serial No. 325,799; Jan. 21. Class 6.

Forest City Rubber Company, The, Cleveland, Ohio. Antiseptic solution and styptic pencils. Serial Nos. 370,705-6; Jan. 21. Class 6.

Gallagher, Louise Barnes, Inc., New York, N. Y. Women's coats, suits, dresses, etc. Serial No. 367,794; Jan. 21. Class 39.

General Fire Extinguisher Company, Providence, R. I. Stationary fire extinguishing sprinkler system, and pipe, pipe fittings, valves, etc. Serial No. 367,020; Jan. 21. Class 23.

General Glass & Lumber Company. (See Copperstein, Israel.)

Geneva Milling Company, Geneva, N. Y. Patent wheat flour. Serial No. 369,949; Jan. 21. Class 46.

Gerlach, John, San Francisco, Calif. Heels for shoes. Serial No. 369,958; Jan. 21. Class 39.

Gerstein Bros. Mfg. Corporation, New York, N. Y. Garment hangers, women's dress forms, and women's dress supports. Serial No. 371,491; Jan. 21. Class 50.

Gibbon-Orr Products Co. (See Orr, Grace G.)

Glacier Beverages, Inc., Seattle, Wash. Beverages, and syrups, extracts, and flavors used in making same. Serial No. 372,564; Jan. 21. Class 45.

Gloria Yarn Company, Philadelphia, Pa. Yarn. Serial No. 371,586; Jan. 21. Class 42.

Goodall Worsted Co., Sanford, Maine. Serial No. 370,850; Jan. 21. Class 42.

Goodwin's, N. C., Laboratory Inc., Brooklyn, N. Y. Preparation for the skin, for athlete's foot and ring worms. Serial No. 372,171; Jan. 21. Class 6.

Gray, Robert I., Long Branch, N. J. Prophylactic preparations. Serial No. 370,112; Jan. 21. Class 6.

Great Lakes Coal & Coke Co., Chicago, Ill. Fuel. Serial No. 371,593; Jan. 21. Class 1.

Green Bay Soap Company. (See Meyer, H. A.)

Hershey, Roy E., doing business as Pitt Chocolate Company, assignor to Pitt Chocolate Company, Edgewood, Pa. Chocolate candy. Serial No. 368,615; Jan. 21. Class 44.

Hoberg Paper & Fibre Company, Green Bay, Wis. Paper towels, toilet tissues, and napkins. Serial No. 361,418; Jan. 21. Class 37.

Hollywood Candy Co. (See Martocchi, F. A., Company.)

Horders Inc., Chicago, Ill. Lead pencils. Serial No. 371,300; Jan. 21. Class 37.

Howell, Robert C., doing business as South Georgia Manufacturing Company, Blakely, Ga. Preparation for, malaria. Serial No. 369,884; Jan. 21. Class 6.

Hughes, Stewart W., Chicago, Ill. Shaving cream. Serial No. 372,161; Jan. 21. Class 4.

Isaac, Max, doing business as Corporate Reorganizations, New York, N. Y. Publication. Serial No. 371,816; Jan. 21. Class 38.

Kadis Brothers, Incorporated, New York, N. Y. Ladies' leather bags and purses. Serial No. 371,158; Jan. 21. Class 3.

Kay-Ena Company, The. (See Krummenacher, Charles K.)

Kendall Company, The, Walpole, Mass. Cotton piece goods. Serial No. 370,856; Jan. 21. Class 42.

Kaox Company, The, Los Angeles, Calif. Preparations for asthma, hay fever, and related pulmonary conditions. Serial No. 371,470; Jan. 21. Class 6.

Kesselmann, August, Hoagland, Ind. Cough syrups. Serial No. 370,005; Jan. 21. Class 6.

Koick, Wm. G., Co., Dubuque, Iowa. Infants' wear. Serial No. 369,496; Jan. 21. Class 39.

Krummenacher, Charles K., doing business as The Kay-Ena Company, Clayton, Mo. Medicinal preparations. Serial No. 371,597; Jan. 21. Class 6.

Kunitomo, M. A., Holtville, Calif. Fresh vegetables. Serial No. 367,805; Jan. 21. Class 46.

La Pompe Tolede Co., Toledo, Ohio. Chemical. Serial No. 370,953; Jan. 21. Class 6.

Lazar, Abraham M., Chicago, Ill. Medicated cotton and gauze pads for treating athlete's foot. Serial No. 369,947; Jan. 21. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Leaning, Samuel, doing business as Eno Chemical Company, Baltimore, Md. Skin lotion. Serial No. 370,714; Jan. 21. Class 6.

Lever Brothers Company, Cambridge, Mass. Detergent compound. Serial Nos. 372,109–10; Jan. 21. Class 4.

Levy, Moe, & Son, Inc., New York, N. Y. Men's suits and overcoats. Serial No. 369,892; Jan. 21. Class 39.

Lewis Food Purveyors, Inc., New York, N. Y. Prepared English mustard. Serial No. 369,406; Jan. 21. Class 46.

Maiden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. Serial No. 371,775; Jan. 21. Class 39.

Martocci, F. A., Company, doing business as Hollywood Candy Co., Minneapolis, Minn. Candy. Serial No. 371,880; Jan. 21. Class 46.

Mayer, Walter, & Co. Inc., New York, N. Y. Dresses. Serial No. 370,189; Jan. 21. Class 39.

Medusa Portland Cement Company, Cleveland, Ohio. Paints and paint floor coatings. Serial Nos. 369,900–1; Jan. 21. Class 16.

Medusa Portland Cement Company, Cleveland, Ohio. Paint in paste form. Serial No. 369,902; Jan. 21. Class 16.

Meyer, E. A., doing business as Green Bay Soap Company, Green Bay, Wis. Soap, soap powders and household cleanser and water softener. Serial No. 370,021; Jan. 21. Class 4.

Montag Brothers, Inc., Atlanta, Ga. Pencil tablets, composition note books, pencils, etc. Serial No. 371,702; Jan. 21. Class 37.

Mülhens, Franz P., doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne, Germany. Eau de cologne, lavender water, hair and mouth washes, etc. Serial No. 368,702; Jan. 21. Class 6.

Murale Company, Inc., The, New Brighton, N. Y. Dry powder to be mixed with water and used as a water tint or decorative wall coating. Serial No. 370,926; Jan. 21. Class 16.

Myers, John A., Philadelphia, Pa. Insect powder. Serial No. 371,551; Jan. 21. Class 6.

National Bio-Chemical Co., Los Angeles, Calif. Water soluble iodine. Serial No. 369,578; Jan. 21. Class 6.

National Steel & Copper Plate Co., Chicago, Ill. Engravers' plates in blank of copper, steel, and zinc. Serial No. 369,941; Jan. 21. Class 14.

Norton Company, Worcester, Mass. Oilstones, hones, whetstones, etc. Serial No. 371,929; Jan. 21. Class 4.

Old Monk Olive Oil Company, Chicago, Ill. Queen olives and stuffed olives. Serial No. 369,030; Jan. 21. Class 46.

Oppenheim, Collins & Co. Inc., Wilmington, Del., New York, Brooklyn, and Buffalo, N. Y., and Philadelphia, Pa. Hosiery. Serial No. 372,525; Jan. 21. Class 39.

Orr, Grace G., doing business as Gibbon-Orr Products Co., San Pedro, Calif. Tooth powder. Serial No. 368,789; Jan. 21. Class 6.

Parke, Davis & Company, Detroit, Mich. Gonococcus filtrate. Serial No. 371,706; Jan. 21. Class 6.

Penn Tobacco Company, Wilkes-Barre, Pa. Smoking pipes. Serial No. 371,112; Jan. 21. Class 8.

Perfect Mfg. Co., The, doing business as So-Lo Works, Cincinnati, Ohio. Plastic repair material. Serial No. 371,270; Jan. 21. Class 5.

Perfecto Garcia & Bros., Chicago, Ill. Cigars. Serial No. 370,724; Jan. 21. Class 17.

Pierce, John S., doing business as The Sanite Chemical Company, Georgetown, Ky. Medicinal preparation. Serial No. 371,707; Jan. 21. Class 6.

Pitt Chocolate Company. (See Hershey, Roy S.)

Pohl, Firma G. (See Bockamp, Kurt.)

Rykoff, S. E., & Company, Los Angeles, Calif. Jams, jellies, and fruit preserves. Serial No. 370,904; Jan. 21. Class 46.

St. Helens Pulp and Paper Company, St. Helens, Oreg. Sulphate paper. Serial No. 368,497; Jan. 21. Class 37.

St. Helens Pulp and Paper Company, St. Helens, Oreg. Sulphate paper. Serial No. 368,499; Jan. 21. Class 37.

Salinas Brewing & Ice Company, Salinas, Calif. Beer. Serial No. 372,489; Jan. 21. Class 49.

Sanite Chemical Company, The. (See Pierce, John S.)

Sarnoff-Irving, Inc., New York, N. Y. Sport sweaters and shirts. Serial No. 371,858; Jan. 21. Class 39.

Schneierson, L. & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. Serial No. 371,178; Jan. 21. Class 39.

Scotch-Tone Company. (See Westfall, W. P.)

Sea Island Thread Mfg. Corp., New York, N. Y. Mercerized thread and spool cotton. Serial No. 371,506; Jan. 21. Class 48.

Sears, Roebuck and Co., Chicago, Ill. Radio receiving sets and parts thereof, radio A batteries, etc. Serial No. 372,114; Jan. 21. Class 21.

Shedd Products Company, The, Detroit, Mich. Oleomargarine. Serial No. 371,365; Jan. 21. Class 46.

Sheridan Clayton Paper Co., St. Joseph, Mo. Bauer blanks. Serial No. 372,186; Jan. 21. Class 23.

So-Lo Works. (See Perfect Mfg. Co., The.)

South Florida Chemical Corp., Miami, Fla. Insecticide. Serial No. 368,834; Jan. 21. Class 6.

South Georgia Manufacturing Company. (See Howell, Robert C.)

Southern Gold Cheese Co., McKenzie, Tenn. Pasteurized processed cheese. Serial No. 372,519; Jan. 21. Class 46.

Southland Coffee Company, Macon, Ga. Coffee. Serial No. 371,551; Jan. 21. Class 46.

Squibb, E. R., & Sons, New York, N. Y. Analgesic preparations. Serial No. 371,853; Jan. 21. Class 6.

Stoltenberg, Louis, San Francisco, Calif. Window sash. Serial No. 294,043; Jan. 21. Class 12.

Strouse-Baer Company, Inc., The, Baltimore, Md. Children's wash suits. Serial No. 371,940; Jan. 21. Class 39.

Sunical Packing Co., San Francisco, Calif. Canned fruits. Serial No. 372,210; Jan. 21. Class 46.

Tablet & Ticket Co., Chicago, Ill. Gummed Christmas package decorations and seals. Serial No. 371,715; Jan. 21. Class 37.

Taylor Foundry Company, Wichita Falls, Tex. Castings. Serial No. 369,609; Jan. 21. Class 14.

Texas Company, The, New York, N. Y. Motor lubricating oil. Serial No. 370,187; Jan. 21. Class 15.

Thomson, J. G., & Co. Limited, Leith, Scotland. Wines. Serial No. 370,998; Jan. 21. Class 47.

Uecker, Reis A., Inc., Waunatosa, Wis. Scaffolds. Serial No. 371,185; Jan. 22. Class 50.

United States Envelope Company, Springfield, Mass. Scrap books or blank books. Serial No. 371,717; Jan. 21. Class 37.

United Wall Paper Factories, Inc., Jersey City, N. J. Wall paper. Serial No. 356,649; Jan. 21. Class 37.

Van Brocklin Bros., doing business as Co-Operative Flour System, Memphis, Tenn., and Wichita, Kans. Wheat flour. Serial No. 368,830; Jan. 21. Class 46.

Vitelli-Elves, Luigi, Inc., New York, N. Y. Canned peeled tomatoes and tomato paste. Serial No. 370,200; Jan. 21. Class 46.

Vogel, Willis A., doing business as The Vogelizer Company, Toledo, Ohio. Decking and display means in the nature of structural elements of plastic surfaces. Serial No. 371,191; Jan. 21. Class 12.

Von Mieda, George, doing business as Von Drug Company, St. Paul, Minn. Medicinal tablets. Serial No. 370,639; Jan. 21. Class 6.

Walgreen Co., doing business as L. W. Dart Paint & Varnish Works, Chicago, Ill. Paints and enamels. Serial No. 364,994; Jan. 21. Class 16.

Watchung Laboratories, Inc., Bound Brook, N. J. Preparation for the treatment of rheumatic disorders. Serial No. 371,653; Jan. 21. Class 6.

Weil, McClain & Sloman, Inc., New York, N. Y. Periodicals. Serial No. 371,795; Jan. 21. Class 28.

Westfall, W. P., doing business as Scotch-Tone Company, Oklahoma City, Okla. Hair wave preparations, medicinal spirits of turpentine, lining, etc. Serial No. 371,280; Jan. 21. Class 6.

Westoco Products, Inc., Kansas City, Mo. Glass cleaning solutions. Serial No. 371,813; Jan. 21. Class 4.

Wheeling Corrugating Company, Wheeling, W. Va. Radiator cases. Serial No. 366,111; Jan. 21. Class 11.

Wheeling Corrugating Company, Wheeling, W. Va. Refrigerator pans. Serial No. 366,153; Jan. 21. Class 11.

Winship, Charles N., doing business as Winship, Bell & Co., Wakefield, Mass. Children's union suits and sleeping garments. Serial No. 371,243; Jan. 21. Class 39.

Wolfe & Lang, Inc., New York, N. Y. Women's silk and rayon panties, girdles, and combination girdle-step-ins. Serial No. 371,691; Jan. 21. Class 39.

Woodard, C., Co., Wilson, N. C. Tea, extracts, peanut butter, etc. Serial No. 350,071; Jan. 21. Class 46.

York Pharmacal Company, St. Louis, Mo. Perfumes, toilet water, face powder, etc. Serial No. 371,730; Jan. 21. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

A. J. & K. Company, Inc., New York, N. Y. Empty cosmetic containers of casein, celluloid, etc. 331,728; Jan. 21; Serial No. 335,800; published Nov. 19, 1935. Class 2.

Ace Color Corporation, The, New York, N. Y. Water color paint. 331,702; Jan. 21; Serial No. 369,380; published Nov. 19, 1935. Class 16.

Acme Steel Company, Chicago, Ill. Iron and steel strapping. 331,801; Jan. 21; Serial No. 359,608; published Nov. 12, 1935. Class 18.

Acme Steel Company, Chicago, Ill. Iron and steel strapping. 331,802; Jan. 21; Serial No. 359,609; published November 12, 1935. Class 18.

Aktiengesellschaft der Blom-und Stahlwerke vormals Georg Fischer, Schaffhausen, Switzerland. Pipe-tongs; jaw-vices; jaw-vices for pipes, etc. 331,885; Jan. 21; Serial No. 360,450; published Nov. 12, 1935. Class 23.

Allan & Company, Inc., St. Louis, Mo. Laxative preparation. 331,828; Jan. 21; Serial No. 369,840; published Nov. 12, 1935. Class 6.

American Asphalt Paint Company, Chicago, Ill. Asphalt paint, gals; enamels, reducing oil etc. 331,723; Jan. 21; Serial No. 369,388; published Nov. 12, 1935. Class 16.

American House Paint Co. (See Rosenson, David.)

American International Distributing Corporation, Los Angeles, Calif. Motion picture films, positive sound films and motion picture sound record films. 331,647; Jan. 21; Serial No. 368,676; published Nov. 12, 1935. Class 36.

American Newspaper, Inc., New York, N. Y. Newspaper section. 331,703; Jan. 21; Serial No. 369,470; published Nov. 5, 1935. Class 38.

American Pride Oil Co., Chicago, Ill. Lubricating oils and greases. 331,836; Jan. 21; Serial No. 368,820; published Nov. 12, 1935. Class 15.

American Spirits, Inc., New York, N. Y. Rum, cordials, whiskey, etc. 331,820; Jan. 21; Serial No. 369,876; published Nov. 12, 1935. Class 49.

American Traveler, Inc., The, New York, N. Y. Periodical. 331,764; Jan. 21; Serial No. 366,061; published Oct. 29, 1935. Class 38.

American Zinc Sales Company, St. Louis, Mo. Zinc sulphide. 331,850; Jan. 21; Serial No. 364,848; published Nov. 12, 1935. Class 16.

Ammann, Charles B., Chicago, Ill. Soy flour mix. 331,766; Jan. 21; Serial No. 365,535; published Nov. 12, 1935. Class 46.

Antonio Company, Inc., The, Tampa, Fla. Cigars. 331,720; Jan. 21; Serial No. 369,769; published Nov. 12, 1935. Class 17.

Apple Growers Association. (See Hood River Apple Vinegar Co.)

Arco Company, The, assignor to The Arco Company, Cleveland, Ohio. Plastic compound for waterproofing surfaces. 106,194; renewed Feb. 22, 1936.

Armstrong Cork Products Company, Lancaster, Pa. Closures for bottles and containers. 331,871; Jan. 21; Serial No. 369,761; published Nov. 12, 1935. Class 30.

Art Crayon Company, Inc., The, Brooklyn, N. Y. Artists' materials. 331,717; Jan. 21; Serial No. 369,739; published Nov. 5, 1935. Class 37.

Atlantic Zinc Works, Inc. (See Malley, William F., assignor.)

Babson's Statistical Organization, Incorporated, Wellesley, assignee to Babson's Reports, Incorporated, Wellesley Hills, Mass. Periodical publications. 107,284; renewed Nov. 16, 1935.

Baker Extract Company, Springfield, Mass. Food flavoring extracts. 331,818; Jan. 21; Serial No. 367,987; published Nov. 12, 1935. Class 46.

Band Box Corporation, The, St. Louis, Mo. Dry cleaning apparatus. 331,869; Jan. 21; Serial No. 370,443; published Nov. 19, 1935. Class 24.

Barr Rubber Products Company, The, Sandusky, Ohio. Toy balloons and novelty toy balloons. 331,734; Jan. 21; Serial No. 369,580; published Nov. 12, 1935. Class 22.

Barr Rubber Products Company, The, Sandusky, Ohio. Novelty balloons, toss-ups and balloons with feet. 331,737; Jan. 21; Serial No. 369,596; published Nov. 12, 1935. Class 22.

Beebe Lucius, & Sons, Inc., Boston, Mass. Leathers. 331,759; Jan. 21; Serial No. 367,154; published Nov. 12, 1935. Class 1.

Berry Brothers, Detroit, Mich. Paint enamels and varnishes. 331,778; Jan. 21; Serial No. 368,813; published Nov. 12, 1935. Class 16.

Berse, Harry, New York, N. Y. Razor blades. 331,808; Jan. 21. Class 28.

Best Foods, Inc., The, New York, N. Y. Salad dressing and/or mayonnaise. 331,724; Jan. 21; Serial No. 254,029; published Nov. 12, 1935. Class 46.

Biolite, Inc., New York, N. Y. Electric sheets. 331,843; Jan. 21; Serial No. 368,797; published Nov. 12, 1935. Class 11.

Bishop Lumber Company, Chicago, Ill. Lumber, wallboards, plywood, etc. 331,849; Jan. 21; Serial No. 368,655; published Nov. 12, 1935. Class 12.

Bloomingdale Bros., Inc., New York, N. Y. Jamaica rum. 331,816; Jan. 21; Serial No. 368,037; published Nov. 12, 1935. Class 46.

Blum, Philip, & Company, Inc., Chicago, Ill. Scotch whiskey. 331,859; Jan. 21; Serial No. 370,247; published Nov. 12, 1935. Class 49.

Bodyscope Publications Inc., New York, N. Y. Anatomical charts. 331,734; Jan. 21; Serial No. 369,294; published Nov. 12, 1935. Class 38.

Bread Bakeries Service, Inc., New York, N. Y. Bakery products. 331,810; Jan. 21; Serial No. 367,918; published Nov. 12, 1935. Class 46.

Broecker Bros., Inc., New York, N. Y. Fur skins and parts thereof. 331,772; Jan. 21; Serial No. 358,560; published Nov. 5, 1935. Class 1.

Briggs & Stratton Corporation, Milwaukee, Wis. Key code charts. 331,781; Jan. 21; Serial No. 367,524; published Nov. 12, 1935. Class 38.

Brown, J. S., Mercantile Co., The, Denver, Colo. Foods. 109,713; renewed Apr. 18, 1936.

Brown, J. S., Mercantile Co., The, Denver, Colo. Foods. 110,507; renewed May 18, 1936.

Buchanan, James, & Company Limited, London, England. Whisky. 331,807; Jan. 21; Serial No. 368,328; published Nov. 12, 1935. Class 49.

Calcese, M., Stockton, Calif. Fresh fruit. 331,824; Jan. 21; Serial No. 368,876; published Nov. 12, 1935. Class 46.

Calso Co., The, Vallejo, Calif., to The Calso Co., San Francisco, Calif. Carbonated water. 109,714; renewed Apr. 18, 1936.

Carpenter, Robert F., assignor to The Sanymetal Products Company, Inc., Cleveland, Ohio, successor. Sheet-metal partitions. 110,230; renewed May 9, 1936.

Carter, Edythe L., doing business as Carter Liquor & Wine Co., Prestonsburg, Ky. Whiskey. 331,869; Jan. 21; Serial No. 370,244; published Nov. 12, 1935. Class 49.

Cavanna, Virginia L., Philadelphia, Pa. Marmalade, fruit cake. 331,914; Jan. 21. Class 46.

Central Press Association, Inc., Cleveland, Ohio. Newspaper sections and cartoons. 331,738; Jan. 21; Serial No. 369,600; published Nov. 5, 1935. Class 38.

Century Distilling Company, Chicago and Peoria, Ill. Gin. 331,742; Jan. 21; Serial No. 369,643; published Nov. 12, 1935. Class 49.

Chambers, Frank V., Philadelphia, Pa. Periodical. 331,757; Jan. 21; Serial No. 367,886; published Nov. 12, 1935. Class 38.

Champion Animal Food Company, St. Paul, assignor to Champion Animal Food Company, Minneapolis, Minn. Dog-biscuit. 107,376; renewed Dec. 21, 1935.

Charlton, George W., doing business as Ex-Tide Laboratory, Raleigh, N. C. Chemical preparations for the treatment of athlete's foot, etc. 331,808; Jan. 21; Serial No. 369,004; published Nov. 12, 1935. Class 6.

Charteris, Leslie, Weybridge, England. Books. (331,789; Jan. 21; Serial No. 369,047; published Oct. 29, 1935. Class 35.

Chester Wholesale Grocery Co. (See Perloff Bros.)

Cobbs Pharmaceutical Co., Chicago, Ill. Medicine. 331,916; Jan. 21. Class 6.

Cohn & Rosenberger, Inc., New York, N. Y., and Providence, R. I., to Cohn & Rosenberger, Inc., New York, N. Y. Bracelets. 110,039; renewed May 3, 1936.

Colonial Sales Corporation, New York, N. Y. Moldings for structural purposes. 331,729; Jan. 21; Serial No. 369,217; published Nov. 12, 1935. Class 12.

Comfort Paper Corporation, San Francisco, Calif. Paper towels. 331,774; Jan. 21; Serial No. 369,879; published Nov. 5, 1935. Class 37.

Conrad Razor Blade Co. Inc., Long Island City, N. Y. Razors and razor blades. 331,739; Jan. 21; Serial No. 369,603; published Nov. 12, 1935. Class 28.

Cooper & Cooper, Inc., Brooklyn, N. Y. Safety razor blades. 331,909; Jan. 21. Class 28.

Crossett Lumber Company, Crossett, Ark. Wooden posts. 331,732; Jan. 21; Serial No. 369,267; published Nov. 12, 1935. Class 12.

Curtis, J. D., Corp., Camden, N. J. Internal combustion engine accessories. 331,754; Jan. 21; Serial No. 361,516; published Nov. 12, 1935. Class 21.

Dahmen, August, doing business as Gelda Company, Allentown, Pa. Soapless shampoo. 331,817; Jan. 21; Serial No. 367,098; published Nov. 12, 1935. Class 6.

Denebeim's Wholesale Liquor Co., Kansas City, Mo. Whiskey. 331,766; Jan. 21; Serial No. 369,994; published Nov. 12, 1935. Class 49.

Dickinson, Albert, Company, The, Chicago, Ill. Mixed feeds for horses, mules, and dairy use. 108,066; renewed Jan. 18, 1936.

Dictaphone Corporation, Bridgeport, Conn. Phonographs, machines for phonographically recording sound records, etc. 331,854; Jan. 21; Serial No. 370,215; published Nov. 26, 1935. Class 36.

Di-E-Tro Products Company, Inc., Nashville, Tenn. Mineral oil for food purposes. 331,746; Jan. 21; Serial No. 369,690; published Nov. 12, 1935. Class 46.

Dry Dock Mills, Inc., New York, N. Y. Coffee. 331,750; Jan. 21; Serial No. 366,514; published Nov. 12, 1935. Class 46.

Dunham Company, The, assignor, by mesne assignments, to The Dunham Company, Berea, Ohio. Soil-tilling machines. 109,450; renewed Apr. 11, 1936.

Dyckerhoff, Eduard, doing business as Torfverwertung "Forgemoor" Eduard Dyckerhoff, Neustadt near Rübenberge, Hanover, Germany. Peat. 106,584; renewed Oct. 24, 1935.

Ehrom, Alexander, New York, N. Y. Advertising pamphlets. 331,778; Jan. 21; Serial No. 367,755; published Oct. 29, 1935. Class 38.

Erry Register Company, The, Dayton, Ohio. Manifolding forms. 331,755; Jan. 21; Serial No. 366,658; published Nov. 12, 1935. Class 37.

Eisenberg, William, Minneapolis, Minn. Golf practice device. 331,908; Jan. 21; Serial No. 363,270; published Nov. 12, 1935. Class 23.

El Dorado Operating Corporation, New York, N. Y. Card game. 331,747; Jan. 21; Serial No. 369,692; published Nov. 12, 1935. Class 22.

Empire Box Corporation of Delaware, New Brunswick, N. J. Fiber cracker cartons. 331,732; Jan. 21; Serial No. 369,914; published Nov. 12, 1935. Class 2.

Epicurean Press, Inc., The, New York, N. Y. Trade journal. 331,815; Jan. 21; Serial No. 366,623; published Oct. 29, 1935. Class 38.

Everett Packing Co., assignee to Fishermen's Packing Corporation, Everett, Wash. Canned salmon. 106,937; renewed Oct. 19, 1935.

Everett Packing Co., assignee to Fishermen's Packing Corporation, Everett, Wash. Canned salmon. 107,321-S; renewed Nov. 22, 1935.

Ez-Tide Laboratory. (See Charlton, George W.)

Family Favorite Packing Corporation. (See Hewlett Bros. Company.)

Fastech Incorporated, Binghamton, N. Y. Preparation for securing dental plates in place. 331,872; Jan. 21; Serial No. 369,764; published Nov. 12, 1935. Class 6.

Feiss & Son, Inc., Boston, Mass. Rum. 331,827; Jan. 21; Serial No. 370,087; published Nov. 12, 1935. Class 46.

Fishermen's Packing Corporation. (See Everett Packing Corporation. (See Everett Packing Co., assignee.)

Fishmaster Trucks Co. (See Soukup, Otto G.)

Fiske Brothers Refining Co., New York, N. Y. Lubricating oils and greases. 331,886; Jan. 21; Serial No. 368,473; published Nov. 5, 1935. Class 10.

Florida Wood Products Co., to Southern Pine Chemical Company, Jacksonville, Fla., and Cleveland, Ohio, successor. Oils, oils used in disinfectants, wood-acids, and pine-creosote. 109,007; renewed Apr. 11, 1936.

Flory, Godfrey, Austin, Tex. Archer's release. 331,908; Jan. 21; Serial No. 368,221; published Nov. 12, 1935. Class 22.

Forbes Lithograph Manufacturing Company, The, Chelsea, Mass., Posters. 331,843; Jan. 21; Serial No. 368,903; published Nov. 12, 1935. Class 38.

Forstner Chain Corporation, Irvington, N. J. Articles of jewelry. 331,885; Jan. 21; Serial No. 369,145; published Nov. 12, 1935. Class 28.

Fournier, Albert, Barbezieux, France. Brandy. 331,890; Jan. 21; Serial No. 259,580; published Nov. 19, 1935. Class 49.

Frank, Leon, doing business as Gold Star Oil Co., New York, N. Y. Lubricating oils and greases, hydraulic brake oils, etc. 331,794; Jan. 21; Serial No. 369,120; published Nov. 5, 1935. Class 10.

Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 331,805; Jan. 21; Serial No. 370,343; published Nov. 19, 1935. Class 49.

Free State Brewery Corporation, Baltimore, Md. Lager beer. 331,853; Jan. 21; Serial No. 365,885; published Nov. 12, 1935. Class 48.

Gelda Company. (See Dahmen, August.)

Geier, P. A., Company, The, Cleveland, Ohio. Food preparing devices and parts thereof and attachments therefor. 331,763; Jan. 21; Serial No. 141,246; published Nov. 12, 1935. Class 21.

Genco, Inc., Chicago, Ill. Coin controlled amusement apparatus. 331,960; Jan. 21; Serial No. 370,264; published Nov. 19, 1935. Class 22.

Geneva Milling Company, Geneva, N. Y. Gluten flour. 331,742; Jan. 21; Serial No. 369,647; published Nov. 12, 1935. Class 46.

Glass Coffee Brewer Corp., Chicago, Ill. Coffee making apparatus. 331,919; Jan. 21. Class 13.

Gleason-Tiebout Glass Company, Brooklyn and New York, N. Y. Lighting fixtures, side wall brackets, etc. 331,745; Jan. 21; Serial No. 369,905; published Nov. 12, 1935. Class 21.

Gold Star Oil Co. (See Frank, Leon.)

Goldstein, S., Monument Works, Inc., New York, N. Y. Tombstones and monuments. 331,762; Jan. 21; Serial No. 368,087; published Nov. 12, 1935. Class 50.

Goodman, Lee, doing business as Sta-Wax Products Co., Maagum, Okla. Polish. 331,820; Jan. 21; Serial No. 367,859 published Nov. 12, 1935. Class 10.

Gorman's Bakery, Inc., Central Falls, R. I. Bread, cake, pies, etc. 331,777; Jan. 21; Serial No. 367,787; published Nov. 12, 1935. Class 46.

Great Stuff Products Co., Inc., West New York, N. J. Window cleaning solution. 331,920; Jan. 21. Class 4.

Gregory, Carey G., doing business as Gregory Ink Company, Los Angeles, Calif. Ink stands and desk sets. 331,914; Jan. 21. Class 37.

Grigor, William & Son, Inverness, Scotland. Scotch whiskey. 331,855; Jan. 21; Serial No. 370,216; published Nov. 12, 1935. Class 49.

Grover's, J. J., Sons, Lynn, Mass., assignor, by mesne assignments, to J. J. Grover Shoe Company, Stoneham, Mass. Women's boots, shoes, and slippers. 109,686; renewed Apr. 11, 1936.

Hale-Halsell Company, McAlester, Okla. Canned pineapple. 331,814; Jan. 21; Serial No. 368,133; published Nov. 12, 1935. Class 46.

Hall Hardware Company, Minneapolis, Minn. Paint and varnish brushes. 331,798; Jan. 21; Serial No. 369,190; published Nov. 12, 1935. Class 29.

Hancock Paint & Varnish Co., North Quincy, Mass. Paint enamels. 331,906; Jan. 21. Class 16.

Harrington Paint Co., Inc., The, East Cleveland, Ohio. Industrial priming paint. 331,740; Jan. 21; Serial No. 369,611; published Nov. 12, 1935. Class 16.

Helwig Manufacturing Company, to Helwig Manufacturing Company, St. Paul, Minn., successor. Wrenches, clippers, punches, etc. 109,939; renewed Apr. 25, 1936.

Hewlett Bros. Company, doing business as Family Favorite Packing Corporation, Salt Lake City, Utah. Jam, Jellies, honey, etc. 331,804; Jan. 21, Serial No. 368,476; published Nov. 12, 1935. Class 46.

Higman, John W., Company, The, New York, N. Y. Abrasive material and abrasive wheels, paper and cloth. 331,875-6; Jan. 21; Serial Nos. 361,539-40; published Nov. 12, 1935. Class 4.

Hood River Apple Vinegar Co., to Apple Growers Association, Hood River, Oreg., successor. Vinegar and evaporated fruits. 110,276; renewed May 6, 1936.

Horton Manufacturing Company, The, Bristol, Conn. Golf clubs and shafts. 331,881; Jan. 21; Serial No. 370,142; published Nov. 12, 1935. Class 22.

Hoyle, Thomas M., Washington, D. C. Handicapper cards for races. 331,833; Jan. 21; Serial No. 367,760; published Oct. 29, 1935. Class 38.

Hunter Baltimore Rye Distillery, Inc., Baltimore, Md. Whiskey. 331,902; Jan. 21; Serial No. 370,145; published Nov. 12, 1935. Class 49.

Ideal Novelty & Toy Co., Long Island City, N. Y. Dolls. 331,754; Jan. 21; Serial No. 369,063; published Nov. 12, 1935. Class 22.

Illinois Farm Supply Company, Chicago, Ill. Ready mixed paints and paint enamels. 331,945; Jan. 21. Class 16.

Ingels, Prosper A., Dallas, Tex. Ice cream, ice cream sandwiches, sherbets and ices, etc. 331,769; Jan. 21; Serial No. 364,818; published Nov. 12, 1935. Class 46.

Inland Empire Paper Company, Millwood, Wash., assignor, by mesne assignments, to Zellerbach Paper Company, San Francisco, Calif. Writing and bond papers. 109,859; renewed Apr. 25, 1936.

International Cellucotton Products Company. (See Kotex Company, assignor.)

International Harvester Company of America, Chicago, Ill. Monthly periodical. 109,949; renewed Apr. 4, 1936.

International Sugar Feed Co., Minneapolis, Minn. Horse feed. 109,214; renewed Mar. 28, 1936.

International Sugar Feed No. Two Co., Minneapolis, Minn., to International Sugar Feed No. Two Co., Memphis, Tenn. Horse feed. 109,213; renewed Mar. 28, 1936.

Interstate Distillers, Inc., Baltimore, Md. Whiskey, gin, rum, etc. 331,870; Jan. 21; Serial No. 370,511; published Nov. 19, 1935. Class 49.

Jaunasse Fils & Cie., Cognac, France. Brandy. 331,888; Jan. 21; Serial No. 253,772; published Nov. 13, 1931. Class 49.

Jarratt, Walter J., doing business as Safety Vulcanizer Co., Chicago, Ill. Tread stock used in tire retreading. 331,830; Jan. 21; Serial No. 363,987; published Nov. 12, 1935. Class 39.

Jonesboro Grain, Inc., Ashland, Ky. Whiskey, gin, rum, etc. 331,853; Jan. 21; Serial No. 370,161; published Nov. 12, 1935. Class 49.

Keebler Weyl Baking Company, Philadelphia, Pa. Crackers. 331,892; Jan. 21; Serial No. 369,950; published Nov. 12, 1935. Class 46.

Kennedy, John J., Los Angeles, Calif. Abrasive and polishing composition. 331,760; Jan. 21; Serial No. 367,660; published Nov. 12, 1935. Class 4.

Kewaskum Creamery Company, Kewaskum, Wis. Dairy products. 331,928; Jan. 21; Serial No. 364,634; published Nov. 12, 1935. Class 46.

Keystone Chemical Co., Inc., The, Cleveland, Ohio. Cleaning fluid dispensing device. 331,902; Jan. 21; Serial No. 362,286; published Nov. 12, 1935. Class 29.

Kilrora Manufacturing Company, The, Westerville, Ohio. Paper caps in rolls for toy pistols. 331,709; Jan. 21; Serial No. 369,481; published Nov. 12, 1935. Class 9.

King Features Syndicate, Inc., New York, N. Y. Newspaper cartoons. 331,758; Jan. 21; Serial No. 360,530; published Nov. 5, 1935. Class 38.

Kinz, George A., New London, Ohio. Fruit cups. 331,889; Jan. 21; Serial No. 369,228; published Nov. 12, 1935. Class 46.

Kittinger Company, Inc., Buffalo, N. Y. Chairs, sofas, and davenports. 331,718; Jan. 21; Serial No. 369,741; published Nov. 12, 1935. Class 32.

Kleeno-Glass-Cloth Mfg. Co., to Kleeno Manufacturing Company, St. Louis, Mo., successor. Cloth for polishing glasses. 105,981; renewed Sept. 7, 1935.

Kotex Company, assignor to International Cellucotton Products Company, Chicago, Ill. Sanitary napkins. 331,770; Jan. 21; Serial No. 342,644; published May 15, 1934. Class 44.

Kotex Company, assignor to International Cellucotton Products Company, Chicago, Ill. Sanitary napkins. 331,904; Jan. 21; Serial No. 362,843; published Oct. 22, 1934. Class 44.

Kraus, Hermann, New York, N. Y. Whiskey. 331,771; Jan. 21; Serial No. 342,338; published Dec. 26, 1933. Class 49.

Kreher, H. E., and Company, New York, N. Y. Tooth brushes. 331,712; Jan. 21; Serial No. 369,575; published Nov. 12, 1935. Class 28.

Kumfy Woolen Mills. (See Wool Products Co., Inc.)

Lesile, Jane, New York, N. Y. Coverings for table and bedlet pieceworks of fabric, or of other materials. 331,795; Jan. 21; Serial No. 368,633; published Nov. 5, 1935. Class 35.

Lever Brothers Company, Cambridge, Mass. Detergent compound. 331,851; Jan. 21; Serial No. 369,518; published Nov. 12, 1935. Class 4.

Lewis Invisible Stitch Machine Co., St. Louis, Mo. Sewing machines and parts. 331,723; Jan. 21; Serial No. 366,864; published Nov. 12, 1935. Class 35.

Lubri-Zol Corporation, The, Wickliffe, Ohio. Hydrocarbon fuels and chemically treated lubricating compositions. 331,823; Jan. 21; Serial No. 364,886; published June 25, 1935. Class 10.

Ludford Fruit Products, Inc., Los Angeles, Calif. Maltless beverage. 331,715; Jan. 21; Serial No. 369,105; published Nov. 12, 1935. Class 46.

M. J. M. Herbs Company. (See Mancewicz, Michal J.)

Macy, R. H., & Co., Inc., New York, N. Y. Hand bags, suit cases, hat boxes, etc. 331,812; Jan. 21; Serial No. 368,181; published Nov. 5, 1935. Class 3.

Malloy, William F., assignor to Atlantic Zinc Works, Inc., New York, N. Y. Engravers' plates and photo-engravers' copper and zinc. 109,679; renewed Apr. 11, 1936.

Mancewicz, Michal J., doing business as M. J. M. Herbs Company, Buffalo, N. Y. Medicinal herb beverage and herb salve. 331,845; Jan. 21; Serial No. 366,751; published Nov. 12, 1935. Class 6.

Manhattan Stationery Co., Inc., New York, N. Y. Lead pencils. 331,811; Jan. 21. Class 37.

Market Growers Journal Company, Inc., Louisville, Ky. Periodical. 331,710; Jan. 21; Serial No. 369,541; published Nov. 5, 1935. Class 38.

Market Trends, Inc., Denver, Colo. Circulars, bulletins, or pamphlets. 331,779; Jan. 21; Serial No. 364,837; published Oct. 29, 1935. Class 38.

Martocello, Joseph A., doing business as Joe A. Martocello & Co., Philadelphia, Pa. Kit containing an ice tong and an ice pick. 331,880; Jan. 21; Serial No. 368,984; published Nov. 12, 1935. Class 23.

Mascia, Orazio E., Harrison, N. J. Syrup for making soft drinks. 331,725; Jan. 21; Serial No. 369,229; published Nov. 19, 1935. Class 45.

McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Whiskey. 331,772; Jan. 21; Serial No. 370,056; published Nov. 12, 1935. Class 49.

Medaka Co., Portland and Milwaukee, Oreg. Hair tonic, shampoo, hair oil, etc. 331,891; Jan. 21; Serial No. 368,893; published Nov. 12, 1935. Class 6.

Mid-Western Distillery Products, Inc., Louisville, Ky. Whiskey. 331,721; Jan. 21; Serial No. 369,774; published Nov. 19, 1935. Class 49.

Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure responsive electrical control apparatus. 331,846; Jan. 21; Serial No. 366,701; published Nov. 12, 1935. Class 36.

Mirrolike Mfg. Co., as assignee of Karl A. Stadlbau, New York, N. Y., assignor, by mesne assignments, to Mirrolike Manufacturing Company, Inc., Long Island City, N. Y. Furniture, floor, and proprietors polish. 109,722; renewed Feb. 22, 1936.

Monarch Manufacturing Company, Atlanta, Ga. Maltless beverages and syrups and extracts for making same. 331,785; Jan. 21; Serial No. 369,977; published November 12, 1935. Class 45.

Morning Telegraph Sports News, Inc., New York, N. Y. Newspaper section. 331,813; Jan. 21; Serial No. 368,143; published Oct. 29, 1935. Class 38.

Muehe, Harry H., Kansas City, Kans. Tobacco stain remover. 331,791; Jan. 21; Serial No. 369,089; published Nov. 12, 1935. Class 6.

National Photo Co., doing business as The Photo Mill, St. Paul, Minn. Photographic prints. 331,751; Jan. 21; Serial No. 369,571; published Oct. 29, 1935. Class 38.

Needlecraft Service Inc., New York, N. Y. Paper patterns for needle work. 331,907; Jan. 21. Class 38.

Neenah Paper Company, Neenah, Wis. Bond-papers, ledger-papers, book-papers, etc. 109,841; renewed Apr. 18, 1936.

New England Distilling Company, The, Covington, Ky. Whiskey, gin, rum, etc. 331,861; Jan. 21; Serial No. 370,418; published Nov. 12, 1935. Class 49.

Nickol, Edwin F., Inc., Wormelldorf, Ohio. Burial vaults, mausoleums, and casket containers. 331,894; Jan. 21; Serial No. 369,270; published Nov. 12, 1935. Class 2.

North & Pfeiffer Mfg. Co., Hartford, Conn. Shoe spikes and calks. 331,787; Jan. 21; Serial No. 369,029; published Nov. 12, 1935. Class 12.

Nussbaum Liquor Store, Inc., New York, N. Y. Whiskey, gin, rum, etc. 331,861; Jan. 21; Serial No. 370,309; published Nov. 12, 1935. Class 49.

Nu Way Laboratories, Cullom, Ill. Powdered cleaning compound. 331,792; Jan. 21; Serial No. 369,066; published Nov. 12, 1935. Class 4.

Odence, Meyer Boston, Mass. Cigars. 331,714; Jan. 21; Serial No. 369,545; published Nov. 12, 1935. Class 17.

Oertel Company, Incorporated, The, Louisville, Ky. Beer. 331,863; Jan. 21; Serial No. 370,373; published Nov. 19, 1935. Class 49.

Oldetyme Distillers, Inc., New York, N. Y. Whiskey. 331,862; Jan. 21; Serial No. 370,271; published Nov. 12, 1935. Class 49.

Old Kentucky Distillery, Incorporated, Louisville, Ky. Whiskey. 331,879; Jan. 21; Serial No. 370,117; published Nov. 12, 1935. Class 49.

Opitz, John, Inc., New York, to John Opitz, Inc., Long Island City, N. Y. Insecticides and rodent-poisons. 107,563; renewed Nov. 21, 1935.

Opitz, John, Inc., New York, to John Opitz, Inc., Long Island City, N. Y. Insecticides and rodent-poisons. 107,567; renewed Dec. 28, 1935.

Ortega, E. C., Company, Inc., Los Angeles, Calif. Canned pickled chile peppers, canned pimientos. 331,900; Jan. 21; Serial No. 368,944; published Nov. 12, 1935. Class 46.

Ortega, E. C., Company, Inc., Los Angeles, Calif. Canned pimientos. 331,901; Jan. 21; Serial No. 368,943; published Nov. 12, 1935. Class 46.

Ostrecon Distilled Products Co., Inc., New York, N. Y. Whiskey and gin. 331,718; Jan. 21; Serial No. 369,583; published Nov. 12, 1935. Class 49.

Pacific Coast Canning Co., assignee to Pacific Coast Canners, Inc., Oakland, Calif. Canned fruits. 107,985; renewed Jan. 4, 1936.

Pacific Coast Canning Co., assignee to Pacific Coast Canners, Inc., Oakland, Calif. Canned fruits and canned vegetables. 108,135; renewed Jan. 18, 1936.

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Liquid asbestos roof coating and plastic roof cement. 331,779; Jan. 21; Serial No. 367,621; published Nov. 12, 1935. Class 12.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. 331,875; Jan. 21; Serial No. 370,014; published Nov. 12, 1935. Class 22.

Peck, Stow & Wilcox Company, The, Southington, Conn. Roller skates. 331,803; Jan. 21; Serial No. 370,427; published Nov. 19, 1935. Class 22.

Priest Bros., doing business as Chester Wholesale Grocery Co., Philadelphia, Pa. Vinegar, catsup, rice, etc. 327,905; Jan. 21; Serial No. 356,037; published Nov. 12, 1935. Class 46.

Permatex Company, Inc., Brooklyn, N. Y. Gasket shellac compound. 331,744; Jan. 21; Serial No. 369,642; published Nov. 12, 1935. Class 5.

Photo Mill, The. (See National Photo Co.)

Pierce, Julius A., Webster Groves, Mo. Cartoons. 331,741; Jan. 21; Serial No. 369,622; published Nov. 5, 1935. Class 38.

Pioneer Watch Case Co., New York, N. Y. Watch cases. 331,761; Jan. 21; Serial No. 367,000; published Nov. 5, 1935. Class 27.

Practical Sales Producers, Inc., New York, N. Y. Printed advertising folders. 331,775; Jan. 21; Serial No. 368,632; published Nov. 12, 1935. Class 38.

Premier-Pabst Corporation, Peoria Heights, Ill. Ale. 331,856; Jan. 21; Serial No. 370,227; published Nov. 19, 1935. Class 46.

Production Products, Inc., Baltimore, Md. Seats and cushions and parts thereof. 331,730; Jan. 21; Serial No. 369,238; published Nov. 12, 1935. Class 32.

Pronto, Inc., Detroit, Mich. Maltless beverages and syrups and extracts for making same. 331,883; Jan. 21; Serial No. 369,374; published Nov. 12, 1935. Class 45.

Quaker Oats Company, The, Chicago, Ill. Cereal products made from oats, etc., useful in preventing rancidity and deterioration by applying same to perishable goods and/or the containers therefor. 331,790; Jan. 21; Serial No. 369,208; published Nov. 12, 1935. Class 50.

Quigley Company, Inc., New York, N. Y. Plastic refractory mortar. 331,835; Jan. 21; Serial No. 369,868; published Nov. 12, 1935. Class 12.

Reading Foundry & Supply Company, Reading, Pa. Insertable plumbing joints and fittings. 331,809; Jan. 21; Serial No. 369,204; published Nov. 12, 1935. Class 13.

Red Jacket Coal Company, Columbus, Ohio. Coal. 331,745; Jan. 21; Serial No. 369,665; published Nov. 12, 1935. Class 1.

Richmond Hosiery Mills, Rossville, Ga. Hosiery. 107,635; renewed Dec. 14, 1935.

Riegel Paper Corporation, New York, N. Y. Paper for box coverings, announcements, and greeting cards. 331,901; Jan. 21; Serial No. 369,206; published Nov. 12, 1935. Class 37.

Rodriguez, Melquiades S., Moguer-Huelva, Spain. Vermouth. 331,895; Jan. 21; Serial No. 257,442; published Nov. 12, 1935. Class 47.

Rosenberger, A., Kansas City, Mo. Whiskey. 331,723; Jan. 21; Serial No. 370,017; published Nov. 12, 1935. Class 49.

Rossmann, David, doing business as American Home Paint Co., Brooklyn, N. Y. Paints. 331,790; Jan. 21; Serial No. 366,034; published Nov. 12, 1935. Class 16.

Ruby Kid Company, Camden, N. J. Kid and glazed kid. 110,267; renewed May 9, 1936.

Safety Vulcanizer Co. (See Jarratt, Walter J.)

Sandhoo, Karl A. (See Mirrolike Mfg. Co.)

Sanzymetal Products Company, The. (See Carpenter, Robert P.)

Schaaf Bros. Co., Inc., New York, N. Y. Confectionery—namely, candy. 331,760; Jan. 21; Serial No. 367,040; published Nov. 12, 1935. Class 46.

Scully, Edwin N., Chicago, Ill. Cellulose paper rosettes or bows. 331,821; Jan. 21; Serial No. 367,780; published Nov. 5, 1935. Class 37.

Seman, Dan, New York, N. Y. Soap which cools as it cleanses. 331,709; Jan. 21; Serial No. 364,701; published Nov. 12, 1935. Class 4.

Bewell, Bert, & Co., doing business as Superese Catarrhal Jelly Company, Kansas City, Mo. Catarrhal jelly. 107,206; renewed Nov. 16, 1935.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antiseptic solution and antiseptic jelly. 331,719; Jan. 21; Serial No. 369,746; published Nov. 12, 1935. Class 6.

Shaw, Alex D., & Co., Inc., New York, N. Y. Ale and stout. 331,773; Jan. 21; Serial No. 369,590; published Nov. 19, 1935. Class 49.

Sheboygan Dairy Product Company, doing business as Veriline Dairy Products Company, Sheboygan, Wis. Powdered skimmed milk. 331,910; Jan. 21. Class 46.

Simmons Hardware Company, St. Louis, Mo. Galvanized steel well buckets, water pails, garbage cans, etc. 331,806; Jan. 21; Serial No. 368,461; published Nov. 19, 1935. Class 2.

Simon Ventilighter Co., Inc., New York, N. Y. Ventilating shades for controlling the entry of light and air into buildings. 108,449; renewed Feb. 8, 1936.

Sindler, Jay J., Malden, Mass. Key retainers. 331,795; Jan. 21; Serial No. 369,142; published Nov. 12, 1935. Class 8.

Sitroux Co., Inc., The, Brooklyn, N. Y. Facial tissue rolls. 331,880; Jan. 21; Serial No. 369,331; published Nov. 5, 1935. Class 37.

Snap-On Tools, Inc., Kenosha, Wis. Wrenches, wrench handles, screw drivers, etc. 331,788; Jan. 21; Serial No. 369,036; published Nov. 12, 1935. Class 23.

Snap-On Tools, Inc., Kenosha, Wis. Wrenches, wrench handles, screw drivers, etc. 331,789-11; Jan. 21; Serial Nos. 368,192-4; published Nov. 12, 1935. Class 23.

Snap-On Tools, Inc., Kenosha, Wis. Wrenches, wrench handles, screws drivers, etc. 331,844; Jan. 21; Serial No. 368,782; published Nov. 12, 1935. Class 23.

Sno-Ice Company, The, Dallas, Tex. Ice shaving machine. 331,796; Jan. 21; Serial No. 369,170; published Nov. 12, 1935. Class 23.

Societe Anonyme Parfumerie F. Millot, Paris, France. Perfumes, toilet waters, face powders, etc. 331,797; Jan. 21; Serial No. 369,171; published Nov. 12, 1935. Class 6.

Somerville Mf'g. Company, Somerville, Conn. Piece goods in the nature of cloakings. 331,824; Jan. 21; Serial No. 364,487; published Sept. 24, 1935. Class 42.

Soukup, Otto G., doing business as Fishmaster Tackle Co., Minneapolis, Minn. Fishing tackle. 331,708; Jan. 21; Serial No. 369,507; published Nov. 12, 1935. Class 22.

Southern Pine Chemical Company. (See Florida Wood Products Co.)

Speed-O-Print Corporation, Chicago, Ill. Duplicating machines. 331,948; Jan. 21; Serial No. 368,670; published Nov. 12, 1935. Class 22.

Sport Afield Publishing Co., Minneapolis, and Long Prairie, Minn., Chicago, Ill., and New York, N. Y. Periodical. 331,707; Jan. 21; Serial No. 369,506; published Nov. 5, 1935. Class 38.

Stabins, Max. (See Wool Products Co. Inc.)

Standard Brands Incorporated. (See Ward Baking Company, assignee.)

Sta-Wax Products Co. (See Goodman, Lee.)

Strawbridge & Clothier, Philadelphia, Pa. Radio receiving sets. 331,917; Jan. 21. Class 21.

Stroehmann Brothers Company, Harrisburg, Pa. Bread. 331,802; Jan. 21; Serial No. 369,210; published Nov. 12, 1935. Class 46.

Stroehmann Brothers Company, Harrisburg, Pa. Bread. 331,837-41; Jan. 21; Serial Nos. 368,920-4; published Nov. 12, 1935. Class 46.

Suparene Catarrhal Jelly Company. (See Sewell, Bert, & Co.)

Terre Haute Boiler Works Company, Terre Haute, Ind. Heating boilers. 331,882; Jan. 21; Serial No. 369,380; published Nov. 12, 1935. Class 34.

Textile Thread Company, Boston, Mass. Yarn, thread, twine, etc. 331,887; Jan. 21; Serial No. 360,915; published Nov. 5, 1935. Class 48.

Timken Steel and Tube Company, The, Canton, Ohio. Steel. 331,731; Jan. 21; Serial No. 369,251; published Nov. 5, 1935. Class 14.

Walgreen Co., Chicago, Ill. Tooth brushes. 331,874; Jan. 21; Serial No. 361,829; published Nov. 5, 1935. Class 29.

Torfverwertung "Torgenmoor" Eduard Dyckerhoff. (See Dyckerhoff, Eduard.)

Torme Products Co., Chicago, Ill. Cutouts for dolls. 331,915; Jan. 21. Class 22.

Triverdi, Martin, New York, N. Y. Head masks resembling animals. 331,732; Jan. 21; Serial No. 354,462; published Nov. 12, 1935. Class 35.

United States Rubber Company, New York, N. Y. Abrasive wheels. 331,894; Jan. 21; Serial No. 358,191; published Nov. 12, 1935. Class 4.

Upland Heights Orange Assn., Upland, Calif. Fresh citrus fruits. 331,758; Jan. 21; Serial No. 367,227; published Nov. 12, 1935. Class 46.

Valentine, Charles C., New York, N. Y. Athletic shirts, athletic shorts and polo shirts for men, youths and boys. 331,789-7; Jan. 21; Serial Nos. 368,412-14; published Nov. 12, 1935. Class 39.

Vaughan & Bushnell Mfg. Co., Chicago, Ill. Hammers, hatchets, and axes. 331,726; Jan. 21; Serial No. 354,418; published Nov. 12, 1935. Class 13.

Veriline Dairy Products Company. (See Sheboygan Dairy Products Company.)

Walker's of Boston, Inc., Boston, Mass. Gin, whiskey and brandy. 331,857; Jan. 21; Serial No. 370,231; published Nov. 12, 1935. Class 49.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Toilet preparations. 331,704; Jan. 21; Serial No. 369,426; published Nov. 12, 1935. Class 6.

Ward Baking Company, assignee, by mesne assignments, to Standard Brands Incorporated, New York, N. Y. Yeast food. 110,246; renewed May 9, 1938.

Watson, John A., Distillery Co., Louisville and Lebanon, Ky. Whisky. 331,825; Jan. 21; Serial No. 366,780; published Nov. 12, 1935. Class 49.

Watson, Claude C., Los Angeles, Calif. Mops. 331,912; Jan. 21. Class 29.

Westfield Manufacturing Company, The, Westfield, Mass. Bicycles. 331,898-7; Jan. 21; Serial Nos. 367,266-7; published Nov. 12, 1935. Class 19.

Wieden, Karl, G. m. b. H., Solingen-Ohligs, Germany. Lighters. 331,716; Jan. 21; Serial No. 369,724; published Nov. 12, 1935. Class 24.

Wight, Frank L., Distilling Company, The, Baltimore, Md. Whiskey, gin, brandy, etc. 331,864; Jan. 21; Serial No. 370,284; published Nov. 19, 1935. Class 49.

Wilbert Products Co., Inc., New York, N. Y. Furniture and automobile polish. 331,877; Jan. 21; Serial No. 362,853; published Nov. 12, 1935. Class 16.

Will & Baumer Candle Co., Inc., Syracuse, N. Y. Candle lamps. 331,749; Jan. 21; Serial No. 365,425; published Nov. 12, 1935. Class 24.

Williams, J. H., & Co., Buffalo, N. Y. Metal forgings. 331,750; Jan. 21; Serial No. 367,515; published Nov. 12, 1935. Class 14.

Williamson Heater Company, The, Cincinnati, Ohio. Warm air furnaces and parts thereof. 331,722; Jan. 21; Serial No. 369,798; published Nov. 12, 1935. Class 34.

Winchell, J. H., & Co. Inc., Haverhill, Mass., assignee to Winchell Shoe Manufacturing Co., Malick and Boston, Mass. Boots and shoes made of leather. 108,849; renewed Feb. 29, 1936.

Wolferman, Fred, Incorporated, Kansas City, Mo. Dry gin. 331,866; Jan. 21; Serial No. 370,372; published Nov. 19, 1935. Class 49.

Wolwin Chair Co., The, Willoughby, Ohio. Upholstered chairs, davenports, couches, etc. 331,836; Jan. 21; Serial No. 368,836; published Nov. 12, 1935. Class 22.

Wood, Fred D., doing business as Wood's Canine Bakery, Upper Darby, Pa. Dog food. 331,793; Jan. 21; Serial No. 369,116; published Nov. 12, 1935. Class 46.

Woodward, Wight & Co., Ltd., New Orleans, La. Babbitt metal. 107,769; renewed Dec. 29, 1935.

Wool Products Co. Inc., Watertown, N. Y., to May Stabins doing business as Rumfy Woolen Mills, New York, N. Y., successor. Woolen piece goods. 107,133; renewed Nov. 9, 1935.

Young, Alexander, Distilling Company, Philadelphia, Pa. Whiskey. 331,782; Jan. 21; Serial No. 370,060; published Nov. 12, 1935. Class 49.

Yukon Mill and Grain Company, Yukon, Okla. Self-rising flour prepared with phosphate leavening. 331,866; Jan. 21; Serial No. 357,031; published Feb. 19, 1935. Class 46.

Zellerbach Paper Company. (See Inland Empire Paper Company, assignee.)

Zy Steel & Wire Co., Chicago, Ill. Tool steel. 331,701; Jan. 21; Serial No. 369,320; published Nov. 5, 1935. Class 14.

LIST OF REGISTRANTS OF LABELS

Altmann-Hackbarth Dairy Company, Black Creek, Wis. Badger Club Cheese Food. For a Cheese Food. 46,980; Jan. 21.

Century Distilling Co., Peoria, Ill. Dr. Dick. For Straight Bourbon Whiskey. 46,981; Jan. 21.

Cline-Johnston, Inc., Owosso, Mich. Quick Serve. For Beans. 46,982; Jan. 21.

Fehr, Frank, Brewing Co. Inc., Louisville, Ky. Fehr's X. L. For Lager Beer. 46,983; Jan. 21.

Golden, Augustus J., Baltimore, Md. Missouri River Crooks. For Cigars. 46,984; Jan. 21.

Improved Hair Net Co., New York, N. Y. Improved. For Hair Nets. 46,985; Jan. 21.

Industrial Appliances, Inc., Sandusky, Ohio, assignee to Vogt Processes, Inc., Louisville, Ky. New! Chocolate Coated Ice Cream Bar. For Confection. 46,986; Jan. 21.

Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Automobile Cleaner & Polish. For Automobile Cleaner and Polish. 46,987; Jan. 21.

Johnson, S. C., & Son, Inc., Racine, Wis. Traffic Wax (Liquid). For Prepared Liquid Wax. 46,988; Jan. 21.

McKesson & Robbins, Incorporated, Bridgeport, and Fairfield, Conn. Gold Bebida Real. For Rum. 46,989; Jan. 21.

McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. White Bebida Real. For Rum. 46,990; Jan. 21.

Morrell, John, & Co., Ottumwa, Iowa. Pride. For Shortening. 46,991; Jan. 21.

Savogran Company, The, Boston, Mass. Savogran Wood Putty. For Wood Putty. 46,992; Jan. 21.

Schantz, William A., doing business as William A. Schantz Advertising Agency, Scranton, Pa. The Champion of Champions. For Bread. 46,993; Jan. 21.

Stockdale, Paul T., Detroit, Mich. Pastrawx. For Sanitary Straws for Testing Cakes and Pastries. 46,994; Jan. 21.

Superior Drug Co. (See Walters, Harry.)

Vogt Processes Inc. (See Industrial Appliances, Inc.)

Walters, Harry, doing business as Superior Drug Co., Kansas City, Mo. Dixie Leader. For Straight Rye Whiskey. 46,995; Jan. 21.

Ward Baking Company, New York, N. Y. Hetty Harper's Mix makes Delicious Ginger-Bread. For Prepared Mixture for Making Ginger-Bread. 46,996; Jan. 21.

Ward Baking Company, New York, N. Y. Hetty Harper's Mix makes Delicious Corn Muffins. For Preparation for making of Corn Muffins. 46,997; Jan. 21.

Ward Baking Company, New York, N. Y. Hetty Harper's Mix makes Delicious Devil's Food. For Prepared Mixture for the making of Devil's Food Cake. 46,998; Jan. 21.

LIST OF REGISTRANTS OF PRINTS

Coca-Cola Company, Atlanta, Ga. Refreshment That. For a Beverage. 15,554; Jan. 21.

Kolynos Company, The, New Haven, Conn. Changes the Whole Appearance of Your Smile. For Dental Cream. 15,555; Jan. 21.

Morris, Lloyd A., doing business as Sanitary Hood Co., Pueblo, Colo. Pat's Sanitary Can Hood Co. For Sanitary Milk Can Hoods. 15,556; Jan. 21.

Premier-Pabst Corporation, Peoria Heights, Ill. Enjoy Pabst Pure, Wholesome Delicious . . . In the Non-Refillable Keglined Tapacan, Ad. No. 2327. For Beer. 15,557; Jan. 21.

Premier-Pabst Corporation, Peoria Heights, Ill. Delicious Old Tankard Ale Sealed in Non-Refillable Keglined Tapacan, Ad. No. 2405. For Ale. 15,558; Jan. 21.

Premier-Pabst Corporation, Peoria Heights, Ill. Enjoy Brewery Flavor Old Tankard Ale Sealed in Non-Refillable Keglined Tapacan, Ad. No. 2406. For Ale. 15,559; Jan. 21.

Premier-Pabst Corporation, Peoria Heights, Ill. Delicious Mellow Old Tankard Ale in Non-Refillable Keglined Tapacan, Ad. No. 2407. For Ale. 15,560; Jan. 21.

Premier-Pabst Corporation, Peoria Heights, Ill. Delicious Old Tankard Ale from Brewery to You Sealed in the Non-Refillable Keglined Tapacan, Ad. No. 2408. For Ale. 15,561; Jan. 21.

Premier-Pabst Corporation, Peoria Heights, Ill. Mellow, Delicious Old Tankard Ale Brewery Flavor Sealed in Your Personal Non-Refillable Keglined Tapacan, Ad. No. 2409. For Ale. 15,562; Jan. 21.

Premier-Pabst Corporation, Peoria Heights, Ill. Old Tankard Ale in Your Own Personal, Non-Refillable Keglined Tapacan, Ad. No. 4402. For Ale. 15,563; Jan. 21.

Sanitary Hood Co. (See Morris, Lloyd A.)

Wilt Trunk Company, Chicago, Ill. The Wiltshire Case. For Suit Cases. 15,564; Jan. 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Red Jacket Coal Company. 331,745; Jan. 21; Serial No. 369,665; published Nov. 12, 1935.

Kid and glazed kid. Ruby Kid Company. 110,267; renewed May 5, 1936.

Leathers. Lucius Beebe & Sons, Inc. 331,759; Jan. 21; Serial No. 367,154; published Nov. 12, 1935.

Peat. E. Dyckerhoff. 106,584; renewed Oct. 28, 1935.

Skins and parts thereof. Fur. Breecker Bros., Inc. 331,767; Jan. 21; Serial No. 365,595; published Nov. 5, 1935.

CLASS 2

Buckets, water pails, garbage cans, etc., Galvanized steel well. Simmons Hardware Company. 331,806; Jan. 21; Serial No. 368,461; published Nov. 19, 1935.

Cartons, Fiber cracker. Empire Box Corporation of Delaware. 331,783; Jan. 21; Serial No. 369,914; published Nov. 12, 1935.

Containers of casein, celluloid, etc., Empty cosmetic. A. J. & K. Company. 331,728; Jan. 21; Serial No. 335,800; published Nov. 19, 1935.

Vaults, mausoleums and casket containers, Burial. Edwin F. Nichol, Inc. 331,884; Jan. 21; Serial No. 369,370; published Nov. 19, 1935.

CLASS 3

Key retainers. J. J. Sindler. 331,795; Jan. 21; Serial No. 369,142; published Nov. 12, 1935.

Luggage, suit cases, hat boxes, etc., Hand. R. H. Macy & Co. 331,812; Jan. 21; Serial No. 368,181; published Nov. 5, 1935.

CLASS 4

Abrasive and polishing composition. J. J. Kennedy. 331,780; Jan. 21; Serial No. 367,606; published Nov. 12, 1935.

Abrasive material and abrasive wheels, paper and cloth. John W. Hierman Company. 331,875-6; Jan. 21; Serial Nos. 361,939-40; published Nov. 12, 1935.

Abrasive wheels. United States Rubber Company. 331,894; Jan. 21; Serial No. 358,191; published Nov. 12, 1935.

Cleaning compound, Powdered. Nu Way Laboratories. 331,702; Jan. 21; Serial No. 369,093; published Nov. 12, 1935.

Cleaning solution, Window. Great Stuff Products Co. 331,920; Jan. 21.

Cloth for polishing glasses. Kleeno-Glass-Kloth Mfg. Co. 105,981; renewed Sept. 7, 1935.

Detergent compound. Lever Brothers Company. 331,884; Jan. 21; Serial No. 369,816; published Nov. 12, 1935.

Soap which cools as it cleanses. D. Seman. 331,769; Jan. 21; Serial No. 364,701; published Nov. 12, 1935.

CLASS 5

Gasket shellac compound. Permatex Company. 331,744; Jan. 21; Serial No. 369,662; published Nov. 12, 1935.

CLASS 6

Antiseptic solution and antiseptic jelly. Sharp & Dohme, Incorporated. 331,719; Jan. 21; Serial No. 369,746; published Nov. 12, 1935.

Catarrhal jelly. Bert Sewell & Co. 107,206; renewed Nov. 16, 1935.

Chemical preparations for the treatment of athlete's foot, etc. G. W. Charlton. 331,803; Jan. 21; Serial No. 369,004; published Nov. 12, 1935.

Hair tonic, shampoo, hair oil, etc. Medaka Co. 331,831; Jan. 21; Serial No. 368,893; published Nov. 12, 1935.

Herb beverage and herb salve, Medicinal. M. J. Mancerwicz. 331,845; Jan. 21; Serial No. 369,751; published Nov. 12, 1935.

Insecticides and rodent-poisons. John Opitz, Inc. 107,357; renewed Dec. 25, 1935.

Insecticides and rodent-poisons. John Opitz, Inc. 107,358; renewed Nov. 22, 1935.

Laxative preparation. Allan & Company. 331,828; Jan. 21; Serial No. 369,840; published Nov. 12, 1935.

Medicine. Cobbe Pharmaceutical Co. 331,918; Jan. 21.

Oils, oils used in disinfectants, wood-acids, and pine-creosote. Florida Wood Products Co. 109,007; renewed Apr. 11, 1936.

Perfumes, toilet waters, face powders, etc. Societe Anonyme Parfumerie F. Millot. 331,797; Jan. 21; Serial No. 369,171; published Nov. 12, 1935.

Preparation for securing dental plates in place. Fasteeth Incorporated. 331,872; Jan. 21; Serial No. 369,764; published Nov. 12, 1935.

Shampoo, Soapless. A. Dahmen. 331,817; Jan. 21; Serial No. 367,993; published Nov. 12, 1935.

Stain remover, Tobacco. H. E. Muecke. 331,791; Jan. 21; Serial No. 369,089; published Nov. 12, 1935.

Toilet preparations. John Wanamaker Philadelphia. 331,704; Jan. 21; Serial No. 369,426; published Nov. 12, 1935.

CLASS 9

Caps in rolls for toy pistols, Paper. Kilgore Manufacturing Company. 331,706; Jan. 21; Serial No. 369,491; published Nov. 12, 1935.

CLASS 12

Lumber, wallboards, plywood, etc. Bishop Lumber Company. 331,849; Jan. 21; Serial No. 368,655; published Nov. 12, 1935.

Moldings for structural purposes. Colonial Sales Corporation. 331,729; Jan. 21; Serial No. 369,217; published Nov. 12, 1935.

Mortar, Plastic refractory. Quigley Company. 331,626; Jan. 21; Serial No. 362,963; published Nov. 12, 1935.
Partitions, Sheet-metal. R. F. Carpenter. 110,230; renewed May 9, 1936.
Plastic compound for waterproofing surfaces. Arco Company. 108,734; renewed Feb. 21, 1936.
Roof coating and plastic roof cement. Liquid asbestos. Panther Oil & Grease Mfg. Co. 331,770; Jan. 21; Serial No. 367,631; published Nov. 12, 1935.
Wooden posts. Creosett Lumber Company. 331,733; Jan. 21; Serial No. 369,267; published Nov. 12, 1935.

CLASS 13

Coffee making apparatus. Glass Coffee Brewer Corp. 331,919; Jan. 21.
Joints and fittings, Insertable plumbing. Reading Foundry & Supply Company. 331,800; Jan. 21; Serial No. 369,204; published Nov. 12, 1935.
Spikes and calks, Shoe. North & Pfeiffer Mfg. Co. 331,787; Jan. 21; Serial No. 369,060; published Nov. 12, 1935.
Strapping, Iron and steel. Acme Steel Company. 331,891; Jan. 21; Serial No. 359,568; published Nov. 12, 1935.
Strapping, Iron and steel. Acme Steel Company. 331,892; Jan. 21; Serial No. 359,559; published Nov. 12, 1935.

CLASS 14

Forgings, Metal. J. H. Williams & Co. 331,758; Jan. 21; Serial No. 367,515; published Nov. 12, 1935.
Metal, Babbit. Woodward, Wight & Co. 107,760; renewed Dec. 28, 1935.
Plates, and photo-engravers' copper and zinc, Engraver's. W. F. Malloy. 109,679; renewed Apr. 11, 1936.
Steel. Timken Steel and Tube Company. 331,731; Jan. 21; Serial No. 369,251; published Nov. 5, 1935.
Steel, Tool. Ziv Steel & Wire Co. 331,701; Jan. 21; Serial No. 369,389; published Nov. 5, 1935.

CLASS 16

Fuels and chemically treated lubricating compositions, Hydrocarbon. Lubri-Zol Corporation. 331,823; Jan. 21; Serial No. 364,586; published June 25, 1935.
Oils and greases, hydraulic brake oils, etc. Lubricating. L. Frank. 331,784; Jan. 21; Serial No. 369,128; published Nov. 5, 1935.
Oils and greases, Lubricating. American Pride Oil Co. 331,886; Jan. 21; Serial No. 369,320; published Nov. 12, 1935.
Oils and greases, Lubricating. Fiske Brothers Refining Co. 331,805; Jan. 21; Serial No. 368,478; published Nov. 5, 1935.

CLASS 18

Paint enamels. Hancock Paint & Varnish Co. 331,906; Jan. 21.
Paint enamels and varnishes. Berry Brothers. 331,776; Jan. 21; Serial No. 368,553; published Nov. 12, 1935.
Paint, Industrial priming. Harrington Paint Co. 331,740; Jan. 21; Serial No. 369,011; published Nov. 12, 1935.
Paint, paint enamels, reducing oil, etc. Asphalt. American Asphalt Paint Company. 331,732; Jan. 21; Serial No. 369,263; published Nov. 12, 1935.
Paint, Water color. Ace Color Corporation. 331,702; Jan. 21; Serial No. 369,260; published Nov. 19, 1935.
Paints. D. Rosenson. 331,790; Jan. 21; Serial No. 369,064; published Nov. 12, 1935.
Paints and paint enamels, Ready mixed. Illinois Farm Supply Company. 331,916; Jan. 21.
Polish. L. Goodman. 331,820; Jan. 21; Serial No. 367,859; published Nov. 12, 1935.
Polish, Furniture and automobile. Wilbert Products Co. 331,877; Jan. 21; Serial No. 362,863; published Nov. 19, 1935.
Polish, Furniture, floor, and automobile. Mirrolike Mfg. Co. 108,723; renewed Feb. 22, 1936.
Zinc sulphide for use as a paint pigment. American Zinc Sales Company. 331,850; Jan. 21; Serial No. 364,948; published Nov. 12, 1935.

CLASS 17

Cigars. Antonio Company. 331,720; Jan. 21; Serial No. 369,790; published Nov. 12, 1935.
Cigars. M. Odence. 331,711; Jan. 21; Serial No. 369,545; published Nov. 12, 1935.

CLASS 19

Bicycles. Westfield Manufacturing Company. 331,890-7; Jan. 21; Serial Nos. 367,290-7; published Nov. 12, 1935.

CLASS 21

Electric signs. Biolite, Inc. 331,843; Jan. 21; Serial No. 368,797; published Nov. 12, 1935.
Electrically operated food preparing devices and parts thereof and attachments therefor. P. A. Geier Company. 331,783; Jan. 21; Serial No. 341,246; published Nov. 12, 1935.
Engine accessories, Internal combustion. J. D. Curtis Corp. 331,754; Jan. 21; Serial No. 361,516; published Nov. 12, 1935.
Lighting fixtures, side wall brackets, etc. Gleason-Tiebout Glass Company. 331,748; Jan. 21; Serial No. 369,695; published Nov. 12, 1935.
Radio receiving sets. Strawbridge & Clothier. 331,811; Jan. 21.

CLASS 23

Amusement apparatus, Coin controlled. Genco, Inc. 331,860; Jan. 21; Serial No. 370,254; published Nov. 19, 1935.
Archer's release. G. Fiary. 331,808; Jan. 21; Serial No. 368,331; published Nov. 12, 1935.
Board games. Parker Brothers, Inc. 331,872; Jan. 21; Serial No. 370,014; published Nov. 12, 1935.
Card games. El Dorado Operating Corporation. 331,747; Jan. 21; Serial No. 369,698; published Nov. 12, 1935.
Catguts for dolls. Tavern Products Co. 331,915; Jan. 21.
Dolls. Ideal Novelty & Toy Co. 331,784; Jan. 21; Serial No. 369,965; published Nov. 12, 1935.
Fishing tackle. O. G. Bourne. 331,708; Jan. 21; Serial No. 369,597; published Nov. 12, 1935.
Golf clubs and golf shafts. Horton Manufacturing Company. 331,851; Jan. 21; Serial No. 370,142; published Nov. 12, 1935.
Golf practice device. W. Eisenberg. 331,903; Jan. 21; Serial No. 363,276; published Nov. 12, 1935.
Novelty balloons, toss-ups and balloons with feet. Barr Rubber Products Company. 331,737; Jan. 21; Serial No. 369,596; published Nov. 12, 1935.
Skates, Roller. Peck, Snow & Wilson Company. 331,908; Jan. 21; Serial No. 370,627; published Nov. 19, 1935.
Toy balloons and novelty toy balloons. Barr Rubber Products Company. 331,736; Jan. 21; Serial No. 369,596; published Nov. 26, 1935.

CLASS 25

Dispensing device, Cleaning fluid. Keystone Chemical Co. 331,907; Jan. 21; Serial No. 363,236; published Nov. 12, 1935.
Duplicating machines. Speed-O-Print Corporation. 331,849; Jan. 21; Serial No. 369,470; published Nov. 12, 1935.
Hammers, hatchets and axes. Vaughan & Bushnell Mfg. Co. 331,725; Jan. 21; Serial No. 364,419; published Nov. 12, 1935.
Ice shaving machine. Sno-Ice Company. 331,796; Jan. 21; Serial No. 369,179; published Nov. 12, 1935.
Kit containing an ice tong and an ice pick. J. A. Mariotello. 331,890; Jan. 21; Serial No. 368,964; published Nov. 12, 1935.
Pipe-tongs; jaw-vises; jaw-vises for pipes, etc. Aktiengesellschaft der Eisen- und Stahlwerke vormals Georg Fischer. 331,888; Jan. 21; Serial No. 360,450; published Nov. 12, 1935.
Razor and razor blades. Conrad Razor Blade Co. Inc. 331,739; Jan. 21; Serial No. 369,606; published Nov. 12, 1935.
Razor blades. H. Boyce. 331,906; Jan. 21.
Razor blades, Safety. Cooper & Cooper. 331,909; Jan. 21.
Sewing machines and parts. Lewis Invisible Stitch Machine Co. 331,762; Jan. 21; Serial No. 368,964; published Nov. 12, 1935.
Soil-tilling machines. Dunham Company. 109,459; renewed Apr. 11, 1936.
Wrenches, chippers, punches, etc. Helwig Manufacturing Company. 109,509; renewed Apr. 25, 1936.
Wrenches, wrench handles, screw drivers, etc. Snap-On Tools, Inc. 331,795; Jan. 21; Serial No. 369,038; published Nov. 12, 1935.
Wrenches, wrench handles, screw drivers, etc. Snap-On Tools, Inc. 331,909-11; Jan. 21; Serial Nos. 368,192-4; published Nov. 12, 1935.
Wrenches, wrench handles, screw drivers, etc. Snap-On Tools, Inc. 331,844; Jan. 21; Serial No. 368,782; published Nov. 12, 1935.

CLASS 24

Cleaning apparatus, Dry. Hand Box Corporation. 331,860; Jan. 21; Serial No. 370,443; published Nov. 19, 1935.

CLASS 26

Control apparatus, Pressure responsive electrical. Minneapolis-Honeywell Regulator Company. 331,846; Jan. 21; Serial No. 368,701; published Nov. 19, 1935.
Films, motion sound films and motion picture and sound films, Motion pictures for. American International Distributing Corporation. 331,847; Jan. 21; Serial No. 368,615; published Nov. 12, 1935.
Patterns for needlework, Paper. Needlecraft Service Inc. 331,907; Jan. 21.

CLASS 27

Watch cases. Pioneer Watch Case Co. 331,761; Jan. 21; Serial No. 367,800; published Nov. 5, 1935.

CLASS 28

Bracelets. Cohn & Rosenberger, Inc. 110,089; renewed May 2, 1936.
Jewelry, Articles of. Forstner Chain Corporation. 331,885; Jan. 21; Serial No. 369,345; published Nov. 12, 1935.

CLASS 29

Brushes, Paint and varnish. Hall Hardware Company. 331,798; Jan. 21; Serial No. 369,190; published Nov. 12, 1935.
Mops. C. G. Watson. 331,912; Jan. 21.

Tooth brushes. S. H. Kress and Company. 331,712; Jan. 21; Serial No. 369,576; published Nov. 12, 1935.
Tooth brushes. Walgreen Co. 331,874; Jan. 21; Serial No. 361,939; published Nov. 5, 1935. Class 29.

CLASS 33

Chairs, davenports, couches, etc. Upholstered. Welwin Chair Co. 331,836; Jan. 21; Serial No. 363,838; published Nov. 12, 1935.
Chairs, sofas, and davenports. Kittinger Company. 331,718; Jan. 21; Serial No. 369,741; published Nov. 12, 1935.
Seats and emblems and parts thereof. Protection Products, Inc. 331,790; Jan. 21; Serial No. 369,238; published Nov. 12, 1935.
Ventilating-shades for controlling the entry of light and air into buildings. Simon Ventilighter Co. 108,449; renewed Feb. 2, 1936.

CLASS 34

Boilers, Heating. Terre Haute Boiler Works Company. 331,882; Jan. 21; Serial No. 369,389; published Nov. 12, 1935.
Candle lamps. Will & Baumer Candle Co. 331,749; Jan. 21; Serial No. 368,425; published Nov. 12, 1935.
Furnaces and parts thereof, Warm air. Williamson Heater Company. 331,729; Jan. 21; Serial No. 369,703; published Nov. 12, 1935.
Lighters. Karl Wieden G. m. b. H. 331,716; Jan. 21; Serial No. 369,784; published Nov. 12, 1935.

CLASS 35

Tread stock used in tire retreading. W. J. Jarratt. 331,880; Jan. 21; Serial No. 368,987; published Nov. 12, 1935.

CLASS 36

Accordions, Hand made. M. Tricerri. 331,752; Jan. 21; Serial No. 335,463; published Nov. 12, 1935.
Phonographs, machines for phonographically recording, sound records, etc. Dictaphone Corporation. 331,854; Jan. 21; Serial No. 370,215; published Nov. 26, 1935.

CLASS 37

Artists' materials. Art Crayon Company. 331,717; Jan. 21; Serial No. 369,720; published Nov. 5, 1935.
Forms, Manifolding. Berry Register Company. 331,795; Jan. 21; Serial No. 369,253; published Nov. 12, 1935.
Ink stands and desk sets. C. G. Gregory. 331,918; Jan. 21.
Paper for box coverings, announcements and greeting cards. Riegel Paper Corporation. 331,801; Jan. 21; Serial No. 369,206; published Nov. 12, 1935.
Paper rosettes or bows, Cellulose. E. N. Scully. 331,821; Jan. 21; Serial No. 367,780; published Nov. 5, 1935.
Paper towels. Comfort Paper Corporation. 331,774; Jan. 21; Serial No. 363,879; published Nov. 5, 1935.
Papers, ledger-papers, book-papers, etc. Bond. Norwalk Paper Company. 108,841; renewed Apr. 12, 1936.
Papers, Writing and bond. Inland Empire Paper Company. 109,389; renewed Apr. 25, 1936.
Pencils, Lead. Manhattan Stationery Co. 331,911; Jan. 21.
Tissue rolls, Facial. Nitroux Co. 331,880; Jan. 21; Serial No. 369,831; published Nov. 5, 1935.

CLASS 38

Books. L. Charteris. 331,789; Jan. 21; Serial No. 369,047; published Oct. 29, 1935.
Cards for races, Handicapper. T. M. Hoyle. 331,833; Jan. 21; Serial No. 367,760; published Oct. 29, 1935.
Cartoons. J. A. Pierce. 331,741; Jan. 21; Serial No. 369,626; published Nov. 5, 1935.
Cartoons, Newspaper. King Features, Inc. 331,709; Jan. 21; Serial No. 369,535; published Nov. 5, 1935.
Charts, Anatomical. Defryscope Publications Inc. 331,784; Jan. 21; Serial No. 369,294; published Nov. 12, 1935.
Charts, Key code. Briggs & Stratton Corporation. 331,781; Jan. 21; Serial No. 367,524; published Nov. 12, 1935.
Circulars, bulletins, or pamphlets. Market Trends, Inc. 331,878; Jan. 21; Serial No. 364,827; published Oct. 29, 1935.
Folders, Printed advertising. Practical Sales Producers, Inc. 331,775; Jan. 21; Serial No. 368,638; published Nov. 12, 1935.
Journal, Trade. Epicurean Press, Inc. 331,815; Jan. 21; Serial No. 368,033; published Oct. 29, 1935.
Newspaper section. American Newspapers, Inc. 331,705; Jan. 21; Serial No. 369,470; published Nov. 5, 1935.
Newspaper section. Morning Telegraph Sports News, Inc. 331,813; Jan. 21; Serial No. 368,143; published Oct. 29, 1935.
Newspaper sections and cartoons. Central Press Association, Inc. 331,738; Jan. 21; Serial No. 369,600; published Nov. 5, 1935.
Pamphlets, Advertising. A. Efron. 331,778; Jan. 21; Serial No. 367,755; published Oct. 29, 1935.
Periodical. American Traveler, Inc. 331,764; Jan. 21; Serial No. 366,061; published Oct. 29, 1935.
Periodical. F. V. Chambers. 331,757; Jan. 21; Serial No. 367,356; published Nov. 12, 1935.
Periodical. Market Growers Journal Company. 331,710; Jan. 21; Serial No. 369,541; published Nov. 5, 1935.
Periodical. Sports Afield Publishing Co. 331,707; Jan. 21; Serial No. 369,506; published Nov. 5, 1935.
Periodical, Monthly. International Harvester Company of America. 109,248; renewed Apr. 4, 1936.
Photographic prints. National Photo Co. 331,751; Jan. 21; Serial No. 365,578; published Oct. 29, 1935.
Posters. Forbes Lithograph Manufacturing Company. 331,842; Jan. 21; Serial No. 368,806; published Nov. 12, 1935.
Publications, Periodical. Babson's Statistical Organization, Incorporated. 107,234; renewed Nov. 16, 1935.

CLASS 39

Boots and shoes made of leather. J. H. Winchell & Co. Inc. 105,549; renewed Feb. 29, 1936.
Boots, shoes, and slippers, Women's. J. J. Grover's Sons. 109,656; renewed Apr. 11, 1936.
Hosiery. Richmond Hosiery Mills. 107,235; renewed Dec. 14, 1935.
Shirts, athletic shorts, and polo shirts, Athletic. C. C. Valentine. 331,726-7; Jan. 21; Serial Nos. 363,418-4; published Nov. 12, 1935.

CLASS 42

Piece goods in the nature of clothings. Somerville Mfg. Company. 331,824; Jan. 21; Serial No. 364,487; published Sept. 24, 1935.
Woolen piece goods. Wool Products Co. Inc. 107,133; renewed Nov. 9, 1935.

CLASS 43

Yarn, thread, twine, etc. Textile Thread Company. 331,867; Jan. 21; Serial No. 360,915; published Nov. 5, 1935.

CLASS 44

Sanitary napkins. Kotex Company. 331,770; Jan. 21; Serial No. 348,444; published May 15, 1934.
Sanitary napkins. Kotex Company. 331,904; Jan. 21; Serial No. 345,843; published Oct. 23, 1934.

CLASS 45

Beverage, Maltless. Ludford Fruit Products, Inc. 331,715; Jan. 21; Serial No. 369,705; published Nov. 12, 1935.
Beverages and syrups and extracts for making, Maltless. Monarch Manufacturing Company. 331,785; Jan. 21; Serial No. 349,977; published Nov. 12, 1935.
Beverages and syrups and extracts for making same, Maltless. Pronto, Inc. 331,882; Jan. 21; Serial No. 369,574; published Nov. 12, 1935.
Syrup for making soft drinks. O. K. Mascia. 331,735; Jan. 21; Serial No. 369,299; published Nov. 19, 1935.
Water, Carbonated. Calso Co. 109,714; renewed Apr. 18, 1936.

CLASS 46

Bakery products. Bread Bakeries Service, Inc. 331,819; Jan. 21; Serial No. 367,918; published Nov. 12, 1935.
Biscuit, Dog. Champion Animal Food Company. 107,676; renewed Dec. 21, 1935.
Bread. Strochmann Brothers Company. 331,802; Jan. 21; Serial No. 369,210; published Nov. 12, 1935.
Bread. Strochmann Brothers Company. 331,827-41; Jan. 21; Serial Nos. 368,820-4; published Nov. 12, 1935.
Bread, cake, pies, etc. Gorman's Bakery, Inc. 331,777; Jan. 21; Serial No. 367,757; published Nov. 12, 1935.
Canned fruits. Pacific Coast Canning Co. 107,935; renewed Jan. 4, 1936.
Canned fruits and canned vegetables. Pacific Coast Canning Co. 108,135; renewed Jan. 18, 1936.
Canned peeled chile peppers, canned pimientos. R. C. Ortega Company. 331,900; Jan. 21; Serial No. 368,944; published Nov. 12, 1935.
Canned pimientos. R. C. Ortega Company. 331,901; Jan. 21; Serial No. 368,943; published Nov. 12, 1935.
Canned pineapple. Hale-Halsell Company. 331,814; Jan. 21; Serial No. 366,133; published Nov. 12, 1935.
Canned salmon. Everett Packing Co. 106,867; renewed Oct. 19, 1935.
Canned salmon. Everett Packing Co. 107,221-3; renewed Nov. 23, 1935.
Coffee. Dry Dock Mills, Inc. 331,750; Jan. 21; Serial No. 368,514; published Nov. 12, 1935.
Confectionery—namely, candy. Schaaf Bros. Co. Inc. 331,760; Jan. 21; Serial No. 367,040; published Nov. 12, 1935.
Crackers. Keebler Weyl Baking Company. 331,832; Jan. 21; Serial No. 368,890; published Nov. 12, 1935.
Dairy products. Kewaskum Creamery Company. 331,826; Jan. 21; Serial No. 356,624; published Nov. 12, 1935.
Eggs, Fresh. C. A. King. 331,883; Jan. 21; Serial No. 360,229; published Nov. 12, 1935.
Extracts, Food flavoring. Baker Extract Company. 331,813; Jan. 21; Serial No. 367,987; published Nov. 12, 1935.
Feed, Horse. International Sugar Feed Co. 109,214; renewed Mar. 28, 1936.
Feed, Horse. International Sugar Feed No. Two Co. 109,215; renewed Mar. 28, 1936.
Feeds for horse, mule, and dairy use, Mixed. Albert Dickinson Company. 108,036; renewed Jan. 18, 1936.
Flour, Gluten. Geneva Milling Company. 331,743; Jan. 21, Serial No. 369,647; published Nov. 12, 1935.

Flour mix, Soy. C. K. Ammann. 331,706; Jan. 21; Serial No. 365,835; published Nov. 12, 1935.
Flour prepared with phosphate leavening. Self-rising. Yukon Mill and Grain Company. 331,893; Jan. 21; Serial No. 367,031; published Feb. 19, 1935.
Food, Dog. F. D. Wood. 331,723; Jan. 21; Serial No. 369,116; published Nov. 12, 1935.
Foods. J. S. Brown Mercantile Co. 109,712; renewed Apr. 12, 1936.
Foods. J. S. Brown Mercantile Co. 110,307; renewed May 16, 1936.
Fruits, Fresh citrus. Upland Heights Orange Assn. 331,755; Jan. 21; Serial No. 367,327; published Nov. 12, 1935.
Grapes, Fresh. M. Caloomo. 331,824; Jan. 21; Serial No. 368,576; published Nov. 12, 1935.
Ice cream, ice cream sandwiches, sherbets, and ices, etc. P. A. Ingels. 331,768; Jan. 21; Serial No. 364,818; published Nov. 12, 1935.
Jams, jellies, honey, etc. Hewlett Bros. Company. 331,804; Jan. 21; Serial No. 368,416; published Nov. 12, 1935.
Marmalade, fruit cake. V. L. Cavanna. 331,914; Jan. 21.
Milk, Powdered skimmed. Sheboygan Dairy Products Company. 331,910; Jan. 21.
Mineral oil for food purposes. Di-E-Tro Products Company. 331,746; Jan. 21; Serial No. 369,690; published Nov. 12, 1935.
Salad dressing and/or mayonnaise. Best Foods, Inc. 331,724; Jan. 21; Serial No. 354,020; published Nov. 12, 1935.
Vinegar and evaporated fruits. Hood River Apple Vinegar Co. 110,276; renewed May 9, 1936.
Vinegar, catsup, rice, etc. Perloff Bros. 331,905; Jan. 21; Serial No. 355,037; published Nov. 12, 1935.
Yeast food. Ward Baking Company. 110,246; renewed May 9, 1936.

CLASS 47

Vermouth. M. S. Rodrigues. 331,895; Jan. 21; Serial No. 357,442; published Nov. 12, 1935.

CLASS 48

Ale. Premier-Pabst Corporation. 331,856; Jan. 21; Serial No. 370,227; published Nov. 19, 1935.
Ale and stout. Alex. D. Shaw & Co. 331,773; Jan. 21; Serial No. 369,899; published Nov. 19, 1935.
Beer. Oertel Company. 331,863; Jan. 21; Serial No. 370,272; published Nov. 19, 1935.
Beer, Lager. Free State Brewery Corporation. 331,833; Jan. 21; Serial No. 368,885; published Nov. 19, 1935.

CLASS 49

Brandy. A. Fournier. 331,890; Jan. 21; Serial No. 359,580; published Nov. 19, 1935.
Brandy. Jamecan Fils & Cie. 331,898; Jan. 21; Serial No. 358,772; published Nov. 12, 1935.
Gin. Century Distilling Company. 331,742; Jan. 21; Serial No. 369,643; published Nov. 12, 1935.
Gin, Dry. Fred Wolferman, Incorporated. 331,806; Jan. 21; Serial No. 370,372; published Nov. 19, 1935.
Gin, whiskey, and brandy. Walker's of Boston, Inc. 331,857; Jan. 21; Serial No. 370,231; published Nov. 12, 1935.
Rum. Felton & Son, Inc. 331,827; Jan. 21; Serial No. 370,087; published Nov. 12, 1935.
Rum, cordials, whiskey, etc. American Spirits, Inc. 331,829; Jan. 21; Serial No. 369,878; published Nov. 19, 1935.
Rum, Jamaica. Bloomingdale Bros., Inc. 331,816; Jan. 21; Serial No. 368,037; published Nov. 12, 1935.
Whiskey. R. L. Carter. 331,859; Jan. 21; Serial No. 370,244; published Nov. 12, 1935.
Whiskey. Deuebeim's Wholesale Liquor Co. 331,793; Jan. 21; Serial No. 368,994; published Nov. 12, 1935.
Whiskey, Frankfort Distilleries, Incorporated. 331,805; Jan. 21; Serial No. 370,849; published Nov. 19, 1935.
Whiskey. Hunter Baltimore Rye Distillery, Inc. 331,863; Jan. 21; Serial No. 370,143; published Nov. 12, 1935.
Whiskey. H. Kraus. 331,771; Jan. 21; Serial No. 342,333; published Dec. 26, 1933.
Whiskey. McKesson & Robbins, Incorporated. 331,772; Jan. 21; Serial No. 370,094; published Nov. 12, 1935.
Whiskey, Mid-Western Distillery Products, Inc. 331,721; Jan. 21; Serial No. 368,774; published Nov. 19, 1935.
Whiskey. Old Kentucky Distillery, Incorporated. 331,873; Jan. 21; Serial No. 370,117; published Nov. 12, 1935.
Whiskey. Oldetyme Distillers, Inc. 331,662; Jan. 21; Serial No. 370,171; published Nov. 12, 1935.
Whiskey. A. Rosenberger. 331,723; Jan. 21; Serial No. 370,017; published Nov. 12, 1935.
Whiskey. Alexander Young Distilling Company. 331,792; Jan. 21; Serial No. 370,090; published Nov. 12, 1935.
Whiskey and gin. Ostrueca Distilled Products Co. 331,713; Jan. 21; Serial No. 369,035; published Nov. 12, 1935.
Whiskey, gin, brandy, etc. Frank L. Wight Distilling Company. 331,864; Jan. 21; Serial No. 370,234; published Nov. 19, 1935.
Whiskey, gin, rum, etc. Interstate Distillers, Inc. 331,870; Jan. 21; Serial No. 370,511; published Nov. 19, 1935.
Whiskey, gin, rum, etc. Jamesison, Bros., Inc. 331,883; Jan. 21; Serial No. 370,162; published Nov. 12, 1935.
Whiskey, gin, rum, etc. New England Distilling Company. 331,867; Jan. 21; Serial No. 370,419; published Nov. 19, 1935.
Whiskey, gin, rum, etc. Nussbaum Liquor Store, Inc. 331,861; Jan. 21; Serial No. 370,269; published Nov. 12, 1935.
Whiskey, Scotch. Philip Blum & Company. 331,858; Jan. 21; Serial No. 370,342; published Nov. 12, 1935.
Whiskey, Scotch. William Grigor & Son. 331,855; Jan. 21; Serial No. 370,216; published Nov. 12, 1935.
Whisky. James Buchanan & Company Limited. 331,867; Jan. 21; Serial No. 362,326; published Nov. 12, 1935.
Whisky. John A. Wathen Distillery Co. 331,825; Jan. 21; Serial No. 366,750; published Nov. 12, 1935.

CLASS 50

Cereal products made from oats, etc., useful in preventing rancidity and deterioration by applying same to perishable goods and/or the containers therefor. Quaker Oats Company. 331,790; Jan. 21; Serial No. 368,203; published Nov. 12, 1935.
Closures for bottles and containers. Armstrong Cork Products Company. 331,871; Jan. 21; Serial No. 369,761; published Nov. 12, 1935.
Coverings for cake and pastry pieceware of fabric, or other materials. J. Leslie. 331,765; Jan. 21; Serial No. 365,962; published Nov. 5, 1935.
Tombstones and monuments. B. Goldstein Monument Works, Inc. 331,763; Jan. 21; Serial No. 366,097; published Nov. 12, 1935.

LIST OF LABELS

Badger Club Cheese Food. For a Cheese Food. Altmann-Hackbarth Dairy Company. 46,980; Jan. 21.
Dixie Leader. For Straight Rye Whiskey. H. Walters. 46,996; Jan. 21.
Dr. Dick. For Straight Bourbon Whiskey. Century Distilling Co. 46,981; Jan. 21.
Fehr's X. L. For Lager Beer. Frank Fehr Brewing Co. Inc. 46,963; Jan. 21.
Gold Bebida Real. For Rum. McKesson & Robbins, Incorporated. 46,969; Jan. 21.
Hetty Harper's Mix makes Delicious Corn Muffins. For Preparation for making of Corn Muffins. Ward Baking Company. 46,997; Jan. 21.
Hetty Harper's Mix makes Delicious Devil's Food. For Prepared Mixture for the making of Devil's Food Cake. Ward Baking Company. 46,998; Jan. 21.
Hetty Harper's Mix makes Delicious Ginger-Bread. For Prepared Mixture for making Ginger-Bread. Ward Baking Company. 46,999; Jan. 21.
Improved. For Hair Nets. Improved Hair Net Co. 46,965; Jan. 21.
Johnson's Automobile Cleaner and Polish. For Automobile Cleaner and Polish. S. C. Johnson & Son, Inc. 46,987; Jan. 21.
Missouri River Crooks. For Cigars. A. J. Golden. 46,964; Jan. 21.
New! Chocolate Coated Ice Cream Bar. For Confection. Industrial Appliances, Inc. 46,966; Jan. 21.
Pastraws. For Sanitary Straws for Testing Cakes and Pastries. P. T. Stockdale. 46,994; Jan. 21.
Pride. For Shortening. John Morrell & Co. 46,991; Jan. 21.
Quick Serve. For Beans. Cline-Johnston, Inc. 46,962; Jan. 21.
Savogran Wood Putty. For Wood Putty. Savogran Company. 46,992; Jan. 21.
The Champion of Champions. For Bread. W. A. Schantz. 46,995; Jan. 21.
Traffic Wax (Liquid). For Prepared Liquid Wax. S. C. Johnson & Son, Inc. 46,988; Jan. 21.
White Bebida Real. For Rum. McKesson & Robbins, Incorporated. 46,990; Jan. 21.

LIST OF PRINTS

Changes the Whole Appearance of Your Smile. For Dental Cream. Kolynos Company. 15,555; Jan. 21.
Delicious Mellow Old Tankard Ale in Non-Refillable Keglined Tapacan, Ad. No. 2407. For Ale. Premier-Pabst Corporation. 15,560; Jan. 21.
Delicious Old Tankard Ale From Brewery to You Sealed in the Non-Refillable Keglined Tapacan, Ad. No. 2406. For Ale. Premier-Pabst Corporation. 15,561; Jan. 21.
Delicious Old Tankard Ale Sealed in Non-Refillable Keglined Tapacan, Ad. No. 2405. For Ale. Premier-Pabst Corporation. 15,558; Jan. 21.
Enjoy Brewery Flavor Old Tankard Ale Sealed in Non-Refillable Keglined Tapacan, Ad. No. 2408. For Ale. Premier-Pabst Corporation. 15,559; Jan. 21.
Enjoy Pabst Pure, Wholesome Delicious . . . In the Non-Refillable Keglined Tapacan, Ad. No. 2227. For Beer. Premier-Pabst Corporation. 15,557; Jan. 21.
Mellow, Delicious Old Tankard Ale Brewery Flavor Sealed in Your Personal Non-Refillable Keglined Tapacan, Ad. No. 2409. For Ale. Premier-Pabst Corporation. 15,562; Jan. 21.
Old Tankard Ale in Your Own Personal, Non-Refillable Keglined Tapacan, Ad. No. 4402. For Ale. Premier-Pabst Corporation. 15,563; Jan. 21.
Pat's Sanitary Can Hood Co. For Sanitary Milk Can Hoods. L. A. Morris. 15,556; Jan. 21.
Refreshment Time. For a Beverage. Coca-Cola Company. 15,554; Jan. 21.
The Wiltshire Case. For Suit Cases. Wilt Trunk Company. 15,564; Jan. 21.

LIST OF PLANT PATENTS

LIST OF DESIGN PATENTS

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Alexstein, Michael D., Berkeley, assignor to United Iron Works, Oakland, Calif. Pump. 19,819; Jan. 21.

Daimler-Benz Aktiengesellschaft. (See Devilliers, René J., assignor.)

Devilliers, René J., Paris, France, assignee, by mesne assignments, to Daimler-Benz Aktiengesellschaft, Stuttgart-Untertürkheim, Germany. Motor vehicle provided with four independent wheels. 19,822; Jan. 21.

Fidelity Machine Company. (See Larkin, Walter, assignor.)

Hall, Mora S., Baltimore, Md., assignor to Hay Oil Burner Corporation. Combustion chamber heating device. 19,823; Jan. 21.

Industrial Patents Corporation. (See Walter, Charles T., assignor.)

L. C. L. Corporation, The. (See Woodruff, Graham C., assignor.)

Larkin, Walter, Norristown, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Knitting machine. 19,827; Jan. 21.

May Oil Burner Corporation. (See Hall, Mora S., assignor.)

Messinger Devices, Incorporated. (See Messinger, L. H., Jr., assignor, and Riker.)

Messinger, Lester H., Jr., Trumbull, Conn., and A. L. Riker, deceased, late of Fairfield, Conn., by A. L. Riker, Fairfield, Conn., assignee, said Messinger assignor to Messinger Devices, Incorporated. Attachment for internal combustion engines. 19,828; Jan. 21.

Riker, A. Lawrence. (See Messinger, L. H., Jr., and Riker.)

Riker, Andrew L. (See Messinger, L. H., Jr., and Riker.)

Rubenstein, Jacob H., Syracuse, N. Y. Wireless transmission system. 19,824; Jan. 21.

Statter, Estella B., assignor to Humphrey Statter, Jr., Sioux City, Iowa. Sanitary napkin belt. 19,829; Jan. 21.

Statter, Humphrey, Jr. (See Statter, Estella B., assignor.)

United Iron Works. (See Alexstein, Michael D., assignor.)

Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Slicing machine. 19,830; Jan. 21.

Woodruff, Graham C., Bronxville, N. Y., assignor to The L. C. L. Corporation. Drop side container car. 19,831; Jan. 21.

LIST OF PLANT PATENTEES

Dixie Rose Nursery. (See Watkins, Archibald F., assignor.)

Dixie Rose Nursery, et al. (See Watkins, Archibald F., assignor.)

Gerber, Menno, Orrville, Ohio. Cherry variety. 184; Jan. 21.

Jackson & Perkins Company, et al. (See Watkins, Archibald F., assignor.)

Watkins, Archibald F., assignor to Dixie Rose Nursery, Tyler, Tex. Rose. 182; Jan. 21.

Watkins, Archibald F., Tyler, Tex., assignor of one-half to Jackson & Perkins Company, Newark, N. Y., and one-half to Dixie Rose Nursery, Tyler, Tex. Rose. 183; Jan. 21.

LIST OF DESIGN PATENTEES

Ackerman, Arlan J., New York, N. Y., assignor to Manning, Bowman & Co., Meriden, Conn. Ash tray or similar article. 98,207; Jan. 21.

American Hard Rubber Company. (See Kohlmeyer, John J., assignor.)

Bakelite Corporation. (See Chipman, Richmond L., Jr., assignor.)

Beeston, Charles W., assignor to Eastern Laboratories, Incorporated, New York, N. Y. Multiple service hair drier apparatus. 98,208; Jan. 21.

Blanchard, Edwin S., Cambridge, Mass. Sheet metal snap fastener cap. 98,209; Jan. 21.

Boston Woven Hose and Rubber Company. (See Kramer, Howard A., assignor.)

Briggs Manufacturing Company. (See Callahan, John A., assignor.)

Brumbaugh, George E., Gwynedd Valley, Pa., assignor to The Galleys, Inc., Beltsville, Md. Building. 98,210; Jan. 21.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,211; Jan. 21.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,212; Jan. 21.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,213; Jan. 21.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,214; Jan. 21.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,215; Jan. 21.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,216; Jan. 21.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,217; Jan. 21.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,218; Jan. 21.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,219; Jan. 21.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,220; Jan. 21.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,221; Jan. 21.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,222; Jan. 21.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,223; Jan. 21.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,224; Jan. 21.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,225; Jan. 21.

Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 98,226; Jan. 21.

Callahan, John A., assignor to Briggs Manufacturing Company, Detroit, Mich. Washstand. 98,227; Jan. 21.

Callahan, John A., assignor to Briggs Manufacturing Company, Detroit, Mich. Washstand. 98,228; Jan. 21.

Capey, Reco, assignor to Yardley & Co. Limited, London, England. Lid for a container. 98,229; Jan. 21.

Capey, Reco, assignor to Yardley & Co. Limited, London, England. Cap or analogous closure for bottles. 98,230; Jan. 21.

Carley, Leonard E., Watertown, assignor to The Patent Button Company, Waterbury, Conn. Button. 98,231; Jan. 21.

Chi, Tsai C., Chicago, Ill. Game board. 98,232; Jan. 21.

Chicago Flexible Shaft Company. (See Fukal, Alfred F., assignor.)

Chipman, Richmond L., Jr., Montclair, N. J., assignor to Bakelite Corporation, New York, N. Y. Radiocabinet. 98,233; Jan. 21.

Chipman, Richmond L., Jr., Montclair, N. J., assignor to Bakelite Corporation, New York, N. Y. Radiocabinet. 98,234; Jan. 21.

Chipman, Richmond L., Jr., Montclair, N. J., assignor to Bakelite Corporation, New York, N. Y. Radiocabinet. 98,235; Jan. 21.

Clark, Jeddia B., assignor to Indiana Glass Company, Dunkirk, Ind. Goblet. 98,236; Jan. 21.

Cohen, Samuel A., Brighton, Mass. Candy box or the like. 98,237; Jan. 21.

Cowan, R. Guy, assignor to Onondaga Pottery Company, Syracuse, N. Y. Ash tray. 98,238; Jan. 21.

Davis, Milton E., New York, N. Y. Coat. 98,239; Jan. 21.

De Hart, George C., Los Angeles, Calif. Trophy cup. 98,240; Jan. 21.

Delta Manufacturing Company, The. (See Tautz, Herbert R., assignor.)
Detroit Show Case Company. (See Marr, Richard H., assignor.)
Eastern Laboratories, Incorporated. (See Boeston, Charles W., assignor.)
Ebling, Walter E., assignor to E. P. Reed & Co., Rochester, N. Y. Shoe. 98,241; Jan. 21.
Erie Register Corporation. (See Sundberg, Carl W., assignor.)
Fauer, Jacob N., New York, N. Y. Coat. 98,242; Jan. 21.
Fiester, Alfred A., Bronx, N. Y. Combined manicure stand and containers therefor. 98,243; Jan. 21.
Filer, Lee, New York, N. Y. Jewelry display case. 98,244; Jan. 21.
Florman, Irving, New York, N. Y. Cigarette and cigar lighter. 98,245; Jan. 21.
Forstmann, Curt R., Montclair, N. J. Textile fabric. 98,246; Jan. 21.
Fukal, Alfred F., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Toaster. 98,247; Jan. 21.
Galbert, Inc., The. (See Brumbaugh, George B., assignor.)
Geist, Irving, New York, N. Y. Blouse. 98,248; Jan. 21.
Goldblatt, Joseph, Brooklyn, N. Y. Watch crystal. 98,249; Jan. 21.
Grand Rapids Metalcraft Corporation. (See Visser, John, assignor.)
Hasenfeld, Henry, Providence, R. I. Pencil pouch. 98,250; Jan. 21.
Hasenfeld, Henry, Providence, R. I. Pencil pouch. 98,251; Jan. 21.
Hemp, Paul L., Rochester, Minn. Gum massager. 98,252; Jan. 21.
Hildebrand, Otto G., Cleveland, Ohio. Wall bracket lamp. 98,253; Jan. 21.
Houbigant, Inc. (See Manoba, Jacques, assignor.)
Hyman, Beth, New York, N. Y. Blouse. 98,254; Jan. 21.
Hyvis Oils, Inc. (See Stephens, Billy M., assignor.)
Indiana Glass Company. (See Clark, Jeddie R., assignor.)
Kahn, David, Woodcliff, N. J. Fountain pen and pencil clip. 98,255; Jan. 21.
King, Edward, New York, N. Y. Illuminated crucifix. 98,256; Jan. 21.
Kohlmeyer, John J., Butler, N. J., assignor to American Hard Rubber Company, New York, N. Y. Comb. 98,257; Jan. 21.
Kolmer, Max, New York, N. Y. Coat. 98,258; Jan. 21.
Kramer, Howard A., Saugus, Mass., assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass. Hose nozzle. 98,259; Jan. 21.
Kuyper, Peter H., assignor to Rolscreen Company, Pella, Iowa. Combined Venetian blind and housing therefor. 98,260; Jan. 21.
Langston, Katherine G., St. Louis, Mo. Apron or similar article. 98,261; Jan. 21.
Leff, Michael, Buffalo, N. Y. Coaster. 98,262; Jan. 21.
Leiterman, Julius, New York, N. Y. Suit. 98,263; Jan. 21.
Leiterman, Julius, New York, N. Y. Coat. 98,264; Jan. 21.
Leutheric Incorporated. (See McIntosh, Frank, assignor.)
Lester Piano Company. (See Miller, George L., assignor.)
Lyon, John P., assignor of one-half to C. Merryman, Chicago, Ill. Mechanical pencil. 98,265; Jan. 21.
Manning, Bowman & Co. (See Ackerman, Arban J., assignor.)
Manoba, Jacques, assignor to Houbigant, Inc., New York, N. Y. Shaving bowl. 98,266; Jan. 21.
Marr, Richard H., assignor to Detroit Show Case Company, Detroit, Mich. Show case or similar article. 98,267; Jan. 21.
Masin, Joseph. (See Reichsdigest, I. D., and Masin.)
McCowan, David J., Toronto, Ontario, Canada. Combination display stand and dispensing cabinet for gummed tape, string, and elastic pads. 98,268; Jan. 21.
McCullough, Howard, Detroit, Mich., assignor to Wendell & Company, Chicago, Ill. Model. 98,269; Jan. 21.
McIntosh, Frank, assignor to Leutheric Incorporated, New York, N. Y. Bottle. 98,270; Jan. 21.
McIntosh, Frank, assignor to Leutheric Incorporated, New York, N. Y. Box. 98,271; Jan. 21.
Merryman, Carl. (See Lyon, John P., assignor.)
Miller, George L., Philadelphia, Pa., assignor to Lester Piano Company. Piano. 98,272; Jan. 21.
Miller, George L., Philadelphia, Pa., assignor to Lester Piano Company. Piano. 98,273; Jan. 21.
Morgenstern, Charles R., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Combined washing machine and drier. 98,274; Jan. 21.
Morimura Bros. Inc. (See Bums, Yukio, assignor.)
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 98,287; Jan. 21.
Nineteen Hundred Corporation. (See Morgenstern, Charles R., assignor.)
Ochs, Frederick W., Boston, Mass., assignor to Louis H. Salvage Shoe Co. Incorporated, Manchester, N. H. Shoe. 98,276; Jan. 21.
Onondaga Pottery Company. (See Cowan, H. Guy, assignor.)
Patent Button Company, The. (See Carley, Leonard R., assignor.)
Reed, E. P., & Co. (See Ebling, Walter E., assignor.)
Reichsdigest, Isaac D., and J. Masin, assignors to Tricolator Co. Inc., New York, N. Y. Handle for a pot or the like. 98,276; Jan. 21.
Rolscreen Company. (See Kuyper, Peter H., assignor.)
Rosenau Bros. Inc. (See Mullen, Mary, assignor.)
Salvage, Louis H., Shoe Co. Incorporated. (See Ochs, Frederick W., assignor.)
Schwartz, Emil, New York, N. Y. Ensemble dress. 98,277; Jan. 21.
Stephens, Billy M., assignor to Hyvis Oils, Inc., Warren, Pa. Lubricating unit. 98,278; Jan. 21.
Sundberg, Carl W., Detroit, Mich., assignor to Erie Register Corporation, Erie, Pa. Match box. 98,279; Jan. 21.
Tautz, Herbert R., assignor to The Delta Manufacturing Company, Milwaukee, Wis. Safety shield for tool grinders or similar article. 98,280; Jan. 21.
Thorsen, Alice H., New York, N. Y. Tag. 98,281; Jan. 21.
Tricolator Co. (See Reichsdigest, I. D., and Masin, assignors.)
Visser, John, assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich. Combined face panel and bezel for ash receivers. 98,282; Jan. 21.
Visser, John, assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich. Combined face panel and bezel for ash receivers. 98,283; Jan. 21.
Weiskittel, Anton K., assignor to Harry C. W. Weiskittel Co., Inc., Baltimore, Md. Stove. 98,284; Jan. 21.
Weiskittel, Harry C., Co. (See Weiskittel, Anton K., assignor.)
Wendell & Company. (See McCullough, Howard, assignor.)
White, Morris, New York, N. Y. Handbag. 98,285; Jan. 21.
Wilson, Wesley, Chicago, Ill. Reflector or similar lighting fixture. 98,286; Jan. 21.
Yardley & Co. Limited. (See Capey, Rees, assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21st DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Winding machine. 2,028,140; Jan. 21.
Abbott Machine Company. (See Abbott, Edward J., assignor.)
Ackermann, Fritz, Ebmingen, near Basel, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Dyeing or coloring cellulose esters and cellulose ethers. 2,028,141; Jan. 21.
Acme Air Appliance Company. (See Carlton, Albert R., assignor.)
Adams, John H., Seattle, Wash. Spring closing device. 2,028,309; Jan. 21.
Akins, Randall P., Denver, Colo. Flotation machine. 2,028,170; Jan. 21.
Aktiengesellschaft Brown Boveri & Cie. (See Keel, Hyvis, assignor.)
Aktiebolaget Spontan. (See Wettstedt, Fritz A., assignor.)
Albers, Clement, San Francisco, Calif. Flashlight device. 2,028,423; Jan. 21.
Alco Products Incorporated. (See Barton, Paul D., assignor.)
Alco Products Incorporated. (See Patent, H. F., and Krieg, assignors.)
Alco Products, Incorporated. (See Willis, J. B., and deBenoe, assignors.)
Allerton, Warren E., Easton Harbor, Md. Holder for Christmas tree or other objects. 2,028,329; Jan. 21.
All Steel Products Manufacturing Company, The. (See Cardwell, Harland W., assignor.)
All Steel Products Manufacturing Company, The. (See Guier, William C., assignor.)
All Steel Products Manufacturing Company, The. (See Guier, W. C., and Brown, assignors.)
All-Steel-Equip Company. (See Knoll, John, assignor.)
American Blower Corporation. (See O'Brien, James H., assignor.)
American Brake Company, The. (See Redford, John B., assignor.)
American Brass Company, The. (See Butterbaugh, Homer W., assignor.)
American Cyanamid Company. (See Chart, Cyril B., assignor.)
American Foundation for the Blind, Inc. (See Miller, G. J., and Yarllman, assignors.)
American Hard Rubber Company. (See Chinon, Gerald B., assignor.)
American Locomotive Company. (See Robinson, Garland P., assignor.)
American Rolling Mill Company. (See Warren, Jay F., assignor.)
American Smelting and Refining Company. (See Palmer, Sidney L., assignor.)
American Telephone and Telegraph Company. (See Brown, J. R., and Strausbach, assignors.)
American Telephone and Telegraph Company. (See Garnett, D. K., and Lewis, assignors.)
American Telephone and Telegraph Company. (See Lewis, Benjamin F., assignor.)
American Telephone and Telegraph Company. (See Schmidt, Frederic R., assignor.)
American Tool and Machine Company. (See Thiel, John F., assignor.)
American Vitrik Contact Co. (See Lang, Richard T., assignor.)
American Zinc, Lead & Smelting Company. (See Mack, R. H., and Rose, assignors.)
Anderson Company, The. (See Smaldi, Theodore J., assignor.)
Anderson, Gordon R., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Torque testing apparatus. 2,028,374; Jan. 21.
Anderson, Richard D., Baton Rouge, La., assignor to Standard Oil Development Company. Apparatus for filling receptacles. 2,028,266; Jan. 21.
Andre, Gustaf R., Richmond, Ind., assignor to Bodine Manufacturing Company, Chicago, Ill. Electric plug connector. 2,028,275; Jan. 21.
Andrews, Dana R. (See Schamer, J., and Andrews.)
Andrews, Edward F., Chicago, Ill. Fluoroscope. 2,028,130; Jan. 21.
Andrews, Edward F., Evanston, assignor to The Andrews-Hammond Corp., Chicago, Ill. Radio receiving device with distant control. 2,028,429; Jan. 21.
Andrews-Hammond Corp., The. (See Andrews, Edward F., assignor.)
Angelus Paper Box Co. (See Evans, Edward R., assignor.)
Archibald, Francis M., and C. M. Roemer, Elizabeth, N. J., assignors to Standard Alcohol Company. Manufacturing antiseptic. 2,028,367; Jan. 21.
Arden, Thomas R., Baldwin, N. Y. assignor to Buckley "L" Manufacturing Company, East Chatham, Ill. Toy mechanical shovel. 2,028,532; Jan. 21.
Arnold, Harold D., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic materials. 2,028,180; Jan. 21.
Aronson, Jerome B. (See Goodman, Harry B., assignor.)
Art Metal Construction Company. (See Shar, John G. L., assignor.)
Arter Grinding Machine Company. (See Arter, William and Harry, assignors.)
Arter, Harry. (See Arter, William and Harry.)
Arter, William and H., assignors to Arter Grinding Machine Company, Worcester, Mass. Grinding machine. 2,028,042; Jan. 21.
Asbridge, Henry M., Ashton-on-Mersey, assignor to The Churchill Machine Tool Company Limited, Broadheath, near Manchester, England. Spindle bearing. 2,028,497; Jan. 21.
Associated Electric Laboratories, Inc. (See Guhorst, Fernand F., assignor.)
Associated Electric Laboratories, Inc. (See Lesh, Laurence J., assignor.)
Associated Electric Laboratories, Inc. (See Woodruff, L. F., and Nelson, assignors.)
Associated Telephone and Telegraph Company. (See Saxby, Robert N., assignor.)
Atlantic Refining Company, The. (See Petertin, Albert G., Jr., assignor.)
Autopoint Company. (See Dell, Frank C., assignor.)
Avery, William L., Thorley, Bishop's Stortford, England. Brake. 2,028,468; Jan. 21.
Babcock & Wilcox Company, The. (See Kerr, Howard J., assignor.)
Baddorf, William A., and E. M. Detmler, Harrisburg, Pa. Oil tank inspection device. 2,028,430; Jan. 21.
Bakelite Corporation. (See Swan, H., and Higgins.)
Baker, William, Toledo, Ohio. Closure. 2,028,489; Jan. 21.
Baker, William, Toledo, Ohio. Closure. 2,028,490; Jan. 21.
Balstad, Johan R., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Crusher. 2,028,643; Jan. 21.
Beaver, William, Brooklyn, N. Y. Hand bag. 2,028,376; Jan. 21.
Barber, William R., Camas, Wash., assignor to Crown Willamette Paper Company, San Francisco, Calif. Compressing compressible material into a solid pack. 2,028,431; Jan. 21.
Bard, Francis N., Highland Park, Ill., assignor to Walworth Patents, Inc., Boston, Mass. Plug valve. 2,028,161; Jan. 21.
Barnickel, Ford, Jr., Tulsa, Okla. Coupling. 2,028,162; Jan. 21.
Barrett, Burton A., Tuckahoe, and G. E. Perreault, Bronxville, N. Y. Brake mechanism. 2,028,491; Jan. 21.
Bartholomew, Frank J., Westfield, N. J., assignor to Chemical Construction Corporation, New York, N. Y. Production of SO_2 from acid sludge. 2,028,713; Jan. 21.
Barton, Paul D., Scarsdale, assignor to Alco Products Incorporated, New York, N. Y. Combined rectification and refrigeration process. 2,028,432; Jan. 21.
Bassick Company, The. (See Herold, Walter F., assignor.)
Beach, Ray. (See Stolzbach, Harry, assignor.)
Beamer, Clayton M. (See Archibald, F. M., and Beamer.)
Bebie, Edwin W., Hawthorne, N. J., assignor to International Paper Company, New York, N. Y. Core adapter. 2,028,492; Jan. 21.
Beckman, William O., Chicago, Ill., assignor to International Harvester Company. Engine. 2,028,810; Jan. 21.
Becker, Alan L., East Orange, N. J. Electrical contact receptacle. 2,028,294; Jan. 21.
Beckwith, Clinton H., Geneva, assignor to Crane Co., Chicago, Ill. Valve operating nail. 2,028,696; Jan. 21.
Behncke, Hermann. (See Bredemeier, K., Behncke, and Kortum.)
Belden Manufacturing Company. (See Andre, Gustaf R., assignor.)
Belden Manufacturing Company. (See Wermine, Hugo H., assignor.)
Bell & Howell Company, The. (See Howell, Albert S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Arnold, Harold D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Burns, Robert, assignor.)

Bell Telephone Laboratories, Incorporated. (See Corwin, Thomas L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Dimond, Thomas L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Harvey, William H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Heising, Raymond A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Miller, Ralph L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Och, Henry G., assignor.)

Bell Telephone Laboratories, Incorporated. (See Shann, Oscar A., assignor.)

Bender Warrick Corporation. (See Warrick, Charles F., assignor.)

Bendix Aviation Corporation. (See Blake, K. R., and Hill, assignors.)

Bendix Aviation Corporation. (See LaBrie, Ledger E., assignor.)

Bendix Aviation Corporation. (See Roemer, Adolph, assignor.)

Bendix Brake Company. (See Bendix, V., and LaBrie, assignors.)

Bendix Brake Company. (See Nosten, Raymond J., assignor.)

Bendix, Vincent, Chicago, Ill., and L. E. LaBrie, assignors to Bendix Brake Company, South Bend, Ind. Brake. 2,028,583; Jan. 21.

Benner, Raymond C., and W. G. Soley, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive wheel and making the same. 2,028,183; Jan. 21.

Benroth, Julius S., et al. (See Sweet, William O., assignors.)

Bernhelt, Fred R., Minneapolis, Minn. Automobile. 2,028,184; Jan. 21.

Bergmann, Ernst R., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,028,493; Jan. 21.

Bernard, Auguste L. R., deceased, late of Rueil-Malmaison, by Renée Bernard, née Bourmonville, Paris, France, executor. Device for effectively dissipating heat from machine parts. 2,028,434; Jan. 21.

Bernard, Renée (née Bourmonville) executrix. (See Bernard, Auguste L. R.)

Bernardeau, Adolphe, Rosebank, Richmond, N. Y., assignor to C. F. Mueller Company, Jersey City, N. J. Toy menagerie cage. 2,028,577; Jan. 21.

Bernstein, Samuel S., Los Angeles, Calif. Web clamping unit for articles of furniture. 2,028,463; Jan. 21.

Berry, Joseph C., Seattle, Wash., assignor to Utility Electric and Machine Works, Inc., Wheeler, Oreg. Fishing reel. 2,028,311; Jan. 21.

Berry, Paul F., Columbus, Ohio. Valve construction. 2,028,151; Jan. 21.

Bienenstock, Moritz, Budapest, Hungary. Recovering pure germinal substance from seed kernels. 2,028,132; Jan. 21.

Bird, John C., Elizabeth, N. J., assignor to Standard Oil Development Company. Obtaining valuable products from acid sludge. 2,028,185; Jan. 21.

Bishop & Babcock Manufacturing Company, The. (See Grant, William H., assignor.)

Bishop, Storrs M., Schenectady, N. Y. Attachment for chasing devices. 2,028,289; Jan. 21.

Bixler, Harley H., Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 2,028,594; Jan. 21.

Blacha Matczak. (See Kubina, John, assignor.)

Black & Decker Manufacturing Company, The. (See Decker, Alonzo G., assignor.)

Blake, Kenneth R., and R. H. Hill, Anderson, assignors to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,028,585; Jan. 21.

Blanchet, Paul, and G. Tillie, Paris, assignor to Société Anonyme; F. A. C. A., Neuilly, France. Machine for making finishing welts. 2,028,494; Jan. 21.

Bleasdale, Albert. (See Connor, K. W., and Bleasdale.)

Blizard, John, Garden City, assignor to Foster Wheeler Corporation, New York, N. Y. Armor block for water walls and the like. 2,028,142; Jan. 21.

Boeger, Henry F. (See Dreyer, Charles B., assignor.)

Boldéus Gravaktiebolag. (See Ståhlhane, Johan B., assignor.)

Booth, Harry T., Detroit, Mich., assignor to Lubrication Control Corporation, Chicago Ill. Viscosity-responsive device. 2,028,186; Jan. 21.

Booth, Harry T., Detroit, Mich., assignor to Lubrication Control Corporation, Chicago, Ill. Viscosity-responsive device. 2,028,187; Jan. 21.

Booth, Harry T., Detroit, Mich., assignor to Lubrication Control Corporation, Chicago, Ill. Viscosimeter. 2,028,188; Jan. 21.

Bornhauser, Oscar, Strasbourg, France, assignor to Société d'Electrochimie, d'Electrometallurgie et des Aciéries Electriques d'Ugine, Paris, France. Electroplating of aluminium. 2,028,312; Jan. 21.

Bowen, George W., Jr. (See Masterson, I., (and Dorman, assignor.)

Bowers, Townes L., Waco, Tex. Hand truck. 2,028,183; Jan. 21.

Bowlby, Walter D., assignor to Hercules Powder Company, Wilmington, Del. Undercoat for lacquers and lacquered material. 2,028,189; Jan. 21.

Bowser, Percy L. (See Flammang, J., Bowser, and Ernst.)

Braasch, Frederick W., assignor to Sheboygan Chair Company, Sheboygan, Wis. Chair structure. 2,028,129; Jan. 21.

Bragg, Caleb S., Palm Beach, Fla., and V. W. Kliesrath, Port Washington, N. Y., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake mechanism for automotive vehicles. 2,028,502; Jan. 21.

Bragg-Kliesrath Corporation. (See Bragg, C. S., and Kliesrath, assignors.)

Brand, William T., and R. J. Fairweather, Dundee, Angus, Scotland. Apparatus for simultaneously twisting and winding yarns or threads into cops. 2,028,644; Jan. 21.

Brandenburger, Leo. (See Schleicher, M., and Brandenburger.)

Braunsdorf, Otto. (See Eckert, W., and Braunsdorf.)

Breen, John E., Derrmont, and A. S. Strausbach, Castle Shannon, Pa., assignors to American Telephone and Telegraph Company, Lock. 2,028,495; Jan. 21.

Brentwood, Charles H., Narberth, Pa., assignor to Valley Forge Cement Company. Manufacture of cement. 2,028,114; Jan. 21.

Brennan, Thomas A., Washington, D. C. Mail blocking and storing device. 2,028,270; Jan. 21.

Bristol Tramways & Carriage Company Limited, The. (See Nevatt, Christopher G., assignor.)

Broderson, Karl and H. Behncke, Dessau-in-Anhalt, and E. Korten, Frankfort-on-the-Main, Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of para-xylidinesulphonic. 2,028,271; Jan. 21.

Brogdex Company. (See Barwick, Lloyd W., assignor.)

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Loom protection mechanism. 2,028,731; Jan. 21

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Shuttle check. 2,028,732; Jan. 21.

Brown, Gerald G. (See Quier, W. C., and Brown.)

Brown, Joseph D., New York, N. Y., assignor to Rayite Trading Company, Inc. Switch-type plug attachment device. 2,028,314; Jan. 21.

Brubaker, John T., Wilkinsburg, Pa. Mechanism for mechanical measurements. 2,028,184; Jan. 21.

Brühl, Paul, and F. Neugart, Berlin, Germany, drinking machine. 2,028,315; Jan. 21.

Brunner, Albert, assignor to Wagner Electric Corporation, St. Louis, Mo. Hose fitting. 2,028,316; Jan. 21.

Brustlein, Jean, assignor to Georges Gaveret & Cie, Paris, France. Multiple switch. 2,028,587; Jan. 21.

Bryan, Harry F. (See Johnston, E. A., Bryan and Turner.)

Budd, Edward G., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Pneumatic tire. 2,028,135; Jan. 21.

Budd, Edward G., Manufacturing Company. (See Budd, Edward G., assignor.)

Budd Wheel Company. (See Stanerson, Caroline L., assignor.)

Buddy "L" Manufacturing Company. (See Arbe, Thomas R., assignor.)

Buder, Charles G. (See Cross, W. M., Jr., Buder and Norquist.)

Burgess, C. F., Laboratories, Inc. (See Burgess, Charles F., assignor.)

Burgess, C. F., Laboratories, Inc. (See Killoch, Max E., assignor.)

Burgess, Charles F., Roberts, Fla., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Sound absorbing construction. 2,028,272; Jan. 21.

Burgster, Nathan G., Chicago, Ill. Fountain pen. 2,028,645; Jan. 21.

Burns, Furel R., Neptune, Ind. Device for glazing doughnuts. 2,028,495; Jan. 21.

Burns, Robert, Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impact printing device and method. 2,028,190; Jan. 21.

Burwick, Lloyd W., Pomona, Calif., assignor to Brogdex Company, Winter Haven, Fla. Fastener. 2,028,716; Jan. 21.

Butler Manufacturing Company, et al. (See Cross, W. M., Jr., Buder and Norquist, assignors.)

Butterbaugh, Homer W., Kenosha, Wis., assignor to The American Brass Company, Waterbury, Conn., Welding rod alloy. 2,028,317; Jan. 21.

Cady, George H., assignor to United States Finishing Company, Providence, R. I. Jig for treating material. 2,028,436; Jan. 21.

Calame, Charles H. (See Rehder, H. H., and Calame.)

California Orchard Heater Company. (See Harper, Wayne A. S., assignor.)

Carbide and Carbon Chemicals Corporation. (See Shoemaker, Milton J., assignor.)

Carborundum Company, The. (See Benner, R. C., and Soley, assignors.)

Carswell, Harland W., assignor to The All Steel Products Manufacturing Company, Wichita, Kans. Well spudding apparatus. 1,028,697; Jan. 21.

Carlisa, Albert E., Floral Park, assignor to Acme Air Appliance Company, Inc., Brooklyn, N. Y. Fan. 1,028,437; Jan. 21.

Carlisa, Albert E., Floral Park, assignor to Acme Air Appliance Company, Inc., Brooklyn, N. Y. Forming fins. 2,028,435; Jan. 21.

Carr, Raymond L., Boston, Mass. Vehicle body. 2,028,143; Jan. 21.

Carson, Oswald B., Scarsdale, assignor to American Hard Rubber Company, New York, N. Y. Comb. 1,028,559; Jan. 21.

Carter, Bernard M., Montclair, N. J., assignor to General Chemical Company, New York, N. Y. Purification of gases. 2,028,318; Jan. 21.

Cavanagh, John F., Providence, R. I. Thread splicing device. 2,028,144; Jan. 21.

Central Records, Inc. (See Woodruff, L. F., assignor, and Nelson.)

Chemical Construction Corporation. (See Bartholomew, Frank J., assignor.)

Chemical Construction Corporation. (See Rumple, James M., assignor.)

Cheston, Avery B., Detroit, Mich., assignor to E. A. Evans & Sons Company. Alternating current to direct current converter. 2,028,191; Jan. 21.

Cherry, George L., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Die casting machine. 2,028,192; Jan. 21.

Chiti, Aroldo, Turin, Italy. Moving and changing sign. 2,028,496; Jan. 21.

Christmann, Friedrich. (See Pier, M., and Christmann.)

Churchill Machine Tool Company Limited, The. (See Ashbridge, Harry H., assignor.)

Claff, Chester S., Rudolph, Mont. Saw and sawing the same. 2,028,126; Jan. 21.

Clark, Cyril E., Scarsdale, assignor to American Cyanamid Company, New York, N. Y. Production of sulphuric acid by the contact process. 2,028,193; Jan. 21.

Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Electrical apparatus. 2,028,589; Jan. 21.

Clark, Frank M., and R. A. Ruscetta, Pittsfield, Mass., assignors to General Electric Company. Electric capacitor and method of fabrication. 2,028,590; Jan. 21.

Claude Neon Electrical Products Corporation, Ltd. (See Erickson, Elite O., assignor.)

Clausen, Ingard M., Phoenix, Ariz. Flow measuring device. 2,028,278; Jan. 21.

Clausing, Leroy M. E., Chicago, Ill., and J. E. Smith, Jr., Gary, Ind. Radio signaling system. 2,028,497; Jan. 21.

Clavier, André G., Glen Ridge, assignor to International Communications Laboratories, Inc., Newark, N. J. Antenna system for microray signaling. 2,028,498; Jan. 21.

Clayton and Lambert Manufacturing Company. (See Lambert, Charles F., assignor.)

Cleveland Graphite Bronze Company, The. (See Swinton, David R., assignor.)

Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)

Clingestein, Heinrich, Cologne-on-the-Rhine, and H. Boos and C. Heusner, Leverkusen, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Diazodyestuffs. 2,028,499; Jan. 21.

Clouse, William L., assignor to National Machinery Co., Tiffin, Ohio. Producing belts and the like. 2,028,319; Jan. 21.

Cohn, Leo, Los Angeles, Calif. Change receiver and advertising device. 2,028,591; Jan. 21.

Cole, Amos G., Burnham, Pa. Composite locomotive driving wheel. 2,028,646; Jan. 21.

Cole, Clarence W., Los Angeles, Calif. Light baffling screen. 2,028,499; Jan. 21.

Collins, Virgil D., Colwich, N. J. Tuning arrangement for radio receiving sets. 2,028,127; Jan. 21.

Collot, Jules H., Paris, France. Flushing apparatus. 2,028,193; Jan. 21.

Colt, Samuel S., Orange, N. J. Form attaching supporting means. 2,028,647; Jan. 21.

Conlon, Thomas A. (See Gurney, D. A., and Conlon.)

Connor, Kirke W., and A. Bleasdale, Detroit, Mich., assignors to Micromatic Hone Corporation. Honing tool. 2,028,648; Jan. 21.

Conroy, James P., East Orange, N. J. Broiler. 2,028,649; Jan. 21.

Cook, Stanley S., and L. M. Douglas, assignors to The Parsons Marine Steam Turbine Company, Limited Company, Wallsend-on-Tyne, England. Power-transmission coupling. 2,028,500; Jan. 21.

Corwin, Thomas L., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Printing telegraph system. 2,028,194; Jan. 21.

Cotton-Wood Products, Inc. (See Gerard, August, and G. A., assignors.)

Coty, Thomas E., Watertown, N. Y. Tuber. 2,028,145; Jan. 21.

Coulling, Harry M., assignor of one-fourth to B. Pierpont, Baltimore, Md. Internal combustion engine valve mechanism. 2,028,198; Jan. 21.

Cowan, Rich, Comyn, Tex. Electric gauge. 2,028,501; Jan. 21.

Cox, William A. (See John, Frank B., assignor.)

Cramp, Benjamin. (See Cramp, Richard, R. G. W., and B.)

Cramp, Richard G. W. (See Cramp, Richard, R. G. W., and B.)

Cramp, Richard, R. G. W., and B., Bartlingside, Ilford, England. Toy and game apparatus. 2,028,139; Jan. 21.

Crane Co. (See Beckwith, Clinton H., assignor.)

Crane Co. (See Zinkil, Roy H., assignor.)

Crane, Paul W., Montclair, and R. T. Fields, Arlington, N. J., assignors to DuPont Viscoloid Company, Wilmington, Del. Seasoning plastic. 2,028,502; Jan. 21.

Cribben & Sexton Company. (See Wilkinson, G. D., and Pelletin, assignors.)

Cross, Walter M., Jr., C. G. Buder, and V. C. Norquist, assignors of one-half to Mid-Continent Investment Company, and one-half to Butler Manufacturing Company, Kansas City, Mo. Coal stoker. 2,028,274; Jan. 21.

Crowley, Alfred, assignor to Johnson Laboratories, Inc., Chicago, Ill. Variable-selectivity radio receiver. 2,028,534; Jan. 21.

Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve stem. 2,028,321; Jan. 21.

Crown Willamette Paper Company. (See Barber, William H., assignor.)

Crum, Anna May. (See Crum, Hiel E. and A. M.)

Crum, Hiel E. and A. M., Indianapolis, Ind. Etheric vibrator. 2,028,278; Jan. 21.

Cunningham, Terence P., assignor, by mesne assignments, to Deech-Kircher Organization, Inc., Chicago, Ill. Advertising folder. 2,028,650; Jan. 21.

Curley, Robert S., Lowell, and W. Shaw, Needham, Mass., assignors to Saco-Lowell Shops, Boston, Mass. Cotton picking system. 2,028,698; Jan. 21.

Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill supporting frame. 2,028,320; Jan. 21.

Curtis, Kenneth L., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Method of and apparatus for feeding tape and projecting images therefrom. 1,028,145; Jan. 21.

Custer, Ernest B. (See Jephson, A. C., and Custer.)

Dagnall, Reginald F., Guildford, and J. G. Lambert, Leicester, England. Release mechanism for pressure fluid reservoirs. 2,028,651; Jan. 21.

Dairymple, William H., Bruce field, Ontario, Canada. Tire spreader. 2,028,440; Jan. 21.

Dankhoff, William, deceased, late of Falls Creek, Pa., by L. C. Frey, Grafton, W. Va., administrator. Micrometric compass. 2,028,147; Jan. 21.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Control means for garment or ironing presses. 2,028,279; Jan. 21.

Dayton Rubber Mfg. Company, The. (See Kremer, Edward H., assignor.)

De Bence, Stephen B. (See Wallis, J. S., and de Bence.)

Decker, Alonzo G., Baltimore, Md., assignor to The Black & Decker Manufacturing Company. Clutch release for portable electric wrenches. 2,028,441; Jan. 21.

Deere & Company. (See Wangelin, Donald A., assignor.)

Deimler, Roy E. (See Baddorf, W. A., and Deimler.)

Delaney, Myron E., Bloomfield, N. J., assignor to Halowax Corporation, New York, N. Y. Fire resistant electrical conductor. 2,028,716; Jan. 21.

Dell, Frank C., assignor to Autopoint Company, Chicago, Ill. Pencil. 2,028,380; Jan. 21.

De Long Hook and Eye Company, The. (See Upham, Gilbert R., assignor.)

De Mulatier, Jean, Sainte-Foy-les-Lyon, France. Drawing of wires. 2,028,652; Jan. 21.

Denny, Joseph F., Jr. (See Pinkenburg, Heinrich F., assignor.)

De Rose, Ralph, New York, N. Y. Ornament. 2,028,593; Jan. 21.

Deutsche Gold- und Silber Scheidemstalt vormals Roessler. (See Pohl, Walter, assignor.)

Devine, J. P., Manufacturing Co. (See Pratt, Clifton J., assignor.)

Dewey and Almey Chemical Company. (See Tucker, George E., assignor.)

De Witt, William P., Auburndale, Mass. Saliva ejector. 2,028,381; Jan. 21.

Dill Manufacturing Company, The. (See Crowley, John C., assignor.)

Dimond, Thomas L., Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,028,195; Jan. 21.

Doherty, Walter G., New York, N. Y. Measuring apparatus. 2,028,503; Jan. 21.

Dopp, Frank B., St. Louis, Mo., assignor to Perma Corporation. Machine for inserting fasteners and forming the heel area of a sole. 2,028,382; Jan. 21.

Dorman, Harry. (See Masterson, I., and Dorman.)

Dormer, Jay B., St. Joseph, Mich. Load handling device. 2,028,442; Jan. 21.

Dormer, Jay B., St. Joseph, Mich. Mold apparatus. 2,028,443; Jan. 21.

Dorrill, Frank. (See Tucker, C. W., and Dorrill.)

Deech-Kircher Organization, Inc. (See Cunningham, Terence P., assignor.)

Douglas, Louis M. (See Cook, S. S., and Douglas.)

Dow, Harry E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Thermostatic wax pot. 2,028,385; Jan. 21.

Draper Corporation. (See Brown, Carl D., assignor.)

Draper Corporation. (See Erhard, Emile H., assignor.)

Draper Corporation. (See Marsh, Harold, assignor.)

Draper Corporation. (See Northrup, Jones, assignor.)
Dreyer, Charles B., assignor of one-half to H. F. Beeger, Los Angeles, Calif. Motion picture film and method of photography. 2,028,278; Jan. 21.
Drug Products Co. Inc., The. (See Torigian, John, assignor.)
Du Brie, Stanley R., Detroit, Mich. Switch. 2,028,196; Jan. 21.
Dunn, Michael K., Forest Hills, New York. Shoe reshaping device. 2,028,331; Jan. 21.
Dunning, Orville M., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonographic recorder. 2,028,197; Jan. 21.
Du Pont, E. I., de Nemours & Company. (See Tucker, C. W., and Dorrell, assignors.)
Du Pont, E. I., de Nemours & Company. (See Waddell, James, assignor.)
Du Pont Viscoloid Company. (See Crane, P. W., and Fields, assignors.)
Durant Manufacturing Co. (See Hennessy, Mark M., assignor.)
Durant Manufacturing Co. (See Pearl, Frank R., assignor.)
Dvornikoff, Michael N., St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo. Chlorination of phthalic anhydride. 2,028,533; Jan. 21.
Eckert, Wilhelm and O. Baumandorf, Frankfort-on-the-Main, Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthracene series. 2,028,224; Jan. 21.
Eden, James A., Jr., assignor to Moore Drop Forging Company, Springfield, Mass. Making hinge leaves. 2,028,535; Jan. 21.
Edison, Thomas A., Incorporated. (See Dunning, Orville M., assignor.)
Edison, Thomas A., Incorporated. (See Langley, Sam G., assignee.)
Edwards, David F. (See Starr, J. V., and Edwards.)
Egloff, Hans C., assignor to the firm of Sulzer Freres Societe Anonyme, Winterthur, Switzerland. Steam generator of the once through type. 2,028,504; Jan. 21.
Eitner, August D., Rockville Center, assignor to News Projection Corporation, New York, N. Y. Lamp and lens housing for projectors. 2,028,505; Jan. 21.
Elkind, Carl B. (See Tobin, K. J., and Elkind.)
Ekman, Olof I. H., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Fire alarm system. 2,028,534; Jan. 21.
Ellengren, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Wheel rim. 2,028,536; Jan. 21.
Elbel, Eberhard, assignor to Henkel & Cie, G. m. b. H., Duesseldorf, Germany. Preparation of ethers having at least 8 carbon atoms in the molecule. 2,028,654; Jan. 21.
Elberts, Frank V., Lake Orion, Mich. Arcuate pitch cone gearing. 2,028,148; Jan. 21.
Electrolux Corporation. (See Heuberger, Joseph F., assignor.)
Elliott, Harold F., Palo Alto, Calif. Automatic clutch control. 2,028,198; Jan. 21.
Engelke, Henry. (See Nathiel H., and Engelke.)
Enoch, Walter, New York, N. Y. Window display device. 2,028,506; Jan. 21.
Erbard, Emile H., Dedham, assignor to Draper Corporation, Hopedale, Mass. Spinning spindle. 2,028,537; Jan. 21.
Erickson, Ellis O., Pasadena, Calif., assignor to Claude Neon Electrical Products Corporation, Ltd., Wilmington, Del. Starting circuit for gaseous discharge lamps. 2,028,538; Jan. 21.
Ernst, Herman. (See Flammang, J., Bowser, and Ernst.)
Evans, R. S., & Sons Company. (See Cheraton, Avery, R., assignor.)
Evans, Edward R., assignor to Angelus Paper Box Co., Los Angeles, Calif. Box. 2,028,276; Jan. 21.
Evans Products Company. (See Tobin, K. J., and Elkind, assignors.)
Fabriques d'Ebauches Venus S. A. (See Hofer, Henri, assignor.)
Fabry, Herman, Evanston, Ill. Apparatus for displaying photographs. 2,028,199; Jan. 21.
Factor, Max & Co. (See Hall, William A., assignor.)
Fairbanks, Morse & Co. (See Andersen, Gordon H., assignor.)
Fairbanks, Morse & Company. (See Reis, Curt F., assignor.)
Fairbanks, Morse & Co. (See Schneider, Heinrich, assignor.)
Fairweather, Eric J. (See Brand, W. T., and Fairweather.)
Feigl, Anton, Astoria, N. Y. (Self-winding watch. 2,028,594; Jan. 21.
Feldermann, William, South Orange, N. J. Humidifier. 2,028,444; Jan. 21.
Fields, Reuben T. (See Crane, P. W., and Fields.)
Finfrock, John O., assignor to National Postal Meter Company, Los Angeles, Calif. Envelope flap opening and moistening device. 2,028,277; Jan. 21.
Finkeldey, Fritz A. B., New York, N. Y. High office cement. 2,028,586; Jan. 21.
Firestone Tire & Rubber Company, The. (See Hale, James R., assignor.)
Firestone Tire & Rubber Company, The. (See Smith, Clifford D., assignor.)
Firestone Tire & Rubber Company, The. (See Stevens, Horace D., assignor.)
Fisher, Arthur W., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway train switch controlling apparatus. 2,028,539; Jan. 21.
Fitzke, Marcia W., San Francisco, Calif. Present material dispensing device. 2,028,655; Jan. 21.
Flammang, John, University City, P. L. Bowser, St. Louis, and H. Ernst, Pine Lawn, Mo., assignors to The Sterling Corporation, St. Louis, Mo. Composite plates. 2,028,332; Jan. 21.
Flegel, Frederick W., Racine, Wis. Drink mill. 2,028,506; Jan. 21.
Food Machinery Corporation. (See Stockdale, Harry C., assignor.)
Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Valve. 2,028,397; Jan. 21.
Foster, Lillian H. (See Scott, W. L., and Foster.)
Foster-Verney Corporation. (See Verney, Sergius, assignor.)
Foster Wheel Corporation. (See Hilliard, John, assignor.)
Franklin, Charles S., and S. J. Witt, London, England, assignors to Radio Corporation of America. Oscillation circuit. 2,028,526; Jan. 21.
Free use of the Public, Dedicated to the. (See Hunt, W. M., and Humphries, assignors.)
Frese, Joseph F., Baltimore, assignor to Monitor Controller Company, Baltimore, Md. Train lighting system. 2,028,734; Jan. 21.
Frey, Laurel C., administrator. (See Dankhoff, William, assignor.)
Freyermuth, George H. (See Hanke, W. V., Freyermuth, and Potts.)
Friden, Carl M. F., Piedmont, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 2,028,548; Jan. 21.
Fuchs, Henry. (See Gürler, R., and Fuchs.)
Fuller, Everett W. (See Story, R. W., and Fuller.)
Gabrielson, Carl, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machine. 2,028,200; Jan. 21.
Gail, George W., Buxton, Md. Fastening and securing means. 2,028,597; Jan. 21.
Gangwisch, Robert L., Beaver, assignor to Pittsburgh Tube Company, Pittsburgh, Pa. Butt-weld pipe. 2,028,201; Jan. 21.
Gannett, Danforth R., Jackson Heights, and E. F. Lovis, Flushing, N. Y., assignors to American Telephone and Telegraph Company. Vacuum tube testing system. 2,028,278; Jan. 21.
Gasper, Edm., Berlin, Germany. Photographic material. 2,028,279; Jan. 21.
Gauthier, Emile N., Frankford, Maine. Machine for unsealing can tops. 2,028,202; Jan. 21.
Gavoret Georges & Cie. (See Brunelin, Jean, assignor.)
Gelbman, Lewis, Yonkers, N. Y. Brake for foot [illegible] vehicles. 2,028,445; Jan. 21.
Gelino, Felix R., G. C. Rodrigues, and R. Suarez de Deu Zapata, Madrid, Spain. Apparatus for effecting hypodermic injections. 2,028,449; Jan. 21.
General Aniline Works, Inc. (See Broderson, K., Schade, and Korten, assignors.)
General Aniline Works, Inc. (See Clingestein, H., Boss, and Heusser, assignors.)
General Aniline Works, Inc. (See Eckert, W., and Braundorf, assignors.)
General Aniline Works, Inc. (See Neumeister, W., and Morschel, assignors.)
General Aniline Works, Inc. (See Silbner, Richard, assignor.)
General Aniline Works, Inc. (See Strecker, A., and Seidenfaden, assignors.)
General Chemical Company. (See Carter, Bernard M., assignor.)
General Chemical Company. (See Wisley, Charles F., assignor.)
General Chemical Company. (See Taylor, George B., assignor.)
General Conveyors Limited. (See Mann, Walter J., assignor.)
General Conveyors Limited. (See Needham, John T., assignor.)
General Electric Company. (See Dixter, Harley H., assignor.)
General Electric Company. (See Clark, Frank M., assignor.)
General Electric Company. (See Clark, F. M., and Bacetta, assignors.)
General Electric Company. (See Herrmann, Alfred, assignor.)
General Electric Company. (See Stark, Julius H., assignor.)
General Fire Extinguisher Company. (See Williams, James H., assignor.)
General Steel Castings Corporation. (See Rogers, Harry E., assignor.)
Gerard, August and G. A., assignors to Cotton-Wool Products Inc., Reading, Mass. Method and machine for making cushion pads. 2,028,203; Jan. 21.
Gerard, George A. (See Gerard, August, and G. A.)
Gibson, Alfred H., Cleveland Heights, assignor to The Wellman Engineering Company, Cleveland, Ohio. Bag filter basket. 2,028,595; Jan. 21.
Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for automatic regulation of rectifiers. 2,028,541; Jan. 21.
Globe Oil Tools Company. (See Wright, Jesse C., assignor.)
Gluhareff, Michael M., Stratford, Conn., assignor, by mesne assignments, to United Aircraft Corporation. Windshield construction. 2,028,542; Jan. 21.
Gohorel, Fernand P., Paris, France, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,028,656; Jan. 21.
Goldberg, Max, New York, N. Y. Filling machine. 2,028,657; Jan. 21.
Goldberg, Max L. (See Goldberg, Victor, and M. L.)
Goldberg, Victor, and M. L., Baltimore, Md. Toy boat. 2,028,543; Jan. 21.
Goldsmith, Lester M., Philadelphia, Pa. Safety device. 2,028,149; Jan. 21.
Goodman, Harry E., assignor to J. B. Arstrom, Chicago, Ill. Savings bank attachment. 2,028,323; Jan. 21.
Goodman, Lillian, Brooklyn, N. Y., assignor to Mitchell Brothers, Inc., Bridgewater, Conn. Undergarment for women. 2,028,590; Jan. 21.
Goodman Manufacturing Company. (See Bergmann, Ernst R., assignor.)
Goodwin, George L., Detroit, Mich. Chuck. 2,028,589; Jan. 21.
Gürler, Ernst, and H. Fuchs, Berlin, Germany. Visual signaling device. 2,028,203; Jan. 21.
Granat, Nels B., et al. (See McDowell, John, J. F., and B., assignors.)
Grant, William H., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Means for corrugating tubes. 2,028,130; Jan. 21.
Grant, William H., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Method of corrugating tubes. 2,028,131; Jan. 21.
Graves, Herbert C., Jr., East Brandywine Township, Chester County, assignor to I.T.E. Circuit Breaker Company, Philadelphia, Pa. Electric circuit interrupter. 2,028,204; Jan. 21.
Gray, Deckard J., Ware Shoals, S. C., assignor to Riegel Textile Corporation, New York, N. Y. Shirt. 2,028,605; Jan. 21.
Gray, Edward, Detroit, Mich. Hydraulic transmission. 2,028,152; Jan. 21.
Great Western Fuse Company. (See La Mar, Frank C., assignor.)
Green, James L., Sr., Birmingham, Ala. Hand tool for cutting grass, weeds, and the like. 2,028,650; Jan. 21.
Greene, William M., and F. S. Luther, assignors to Laminite Products Corporation, Salamanca, N. Y. Apparatus for making prism rollers and the like. 2,028,699; Jan. 21.
Griffin, Hugh P., and E. P., Richardson, Reidsville, N. C. Shoe polish. 2,028,324; Jan. 21.
Griffin, Timothy C., Yonkers, N. Y. Well point. 2,028,447; Jan. 21.
Grossman, Elias R., Chicago, Ill. Pencil sharpener. 2,028,600; Jan. 21.
Guarnaschelli, Stephen, Brooklyn, assignor to Fitchburg Metal Products Corporation, New York, N. Y. Flexible tubing. 2,028,600; Jan. 21.
Guier, William C., assignor to The All Steel Products Manufacturing Company, Wichita, Kans. Traction operated winch with drive transmission. 2,028,700; Jan. 21.
Guier, William C., and G. G. Breyer, assignors to The All Steel Products Manufacturing Company, Wichita, Kans. Oil field sand pinch. 2,028,701; Jan. 21.
Gunderman, Lester R., Pittsburgh, Pa. Pipe thread protector. 2,028,329; Jan. 21.
Gunn, Ross, Washington, D. C. Radiation detector. 2,028,153; Jan. 21.
Gurney, Dayton A., Cass, Mich., and T. A. Coates, Silver Spring, Md. Cart. 2,028,154; Jan. 21.
Gustafson, Carl E., and R. R. Holbrook, Attleboro, assignors to The Hasen Box Company, Attleboro Falls, Mass. Box fastener. 2,028,661; Jan. 21.
Hahn, Clair P., Alliance, Ohio. Automatic automobile brake. 2,028,206; Jan. 21.
Hale, James R., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Vehicle wheel. 2,028,702; Jan. 21.
Hall, Eric R., Chicago, Ill. Tire and rim construction. 2,028,601; Jan. 21.
Hall, William A., assignor to Max Factor & Co., Los Angeles, Calif. Powder. 2,028,702; Jan. 21.
Halowax Corporation. (See Delaney, Myron R., assignor.)
Halowax Corporation. (See Hanson, Ernest R., assignor.)
Hamilton, Alexander C., Pleasant Ridge, assignor, by mesne assignments, to Harris Laboratories, Inc., Detroit, Mich. Wheel and brake therefor. 2,028,207; Jan. 21.
Hamilton Bench Manufacturing Company. (See Mason, Edward, assignor.)
Hamlin, George R. (See Shaffer, Samuel H., assignor.)
Hancock, Alfred R., Rumble, Tex. Burner. 2,028,721; Jan. 21.
Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,028,280; Jan. 21.
Haney, Lewis H., Los Angeles, Calif. Hydrocarbon engine fuel pump. 2,028,208; Jan. 21.
Hanke, William V., Baton Rouge, La., G. H. Freyermuth, Elizabeth, and G. Potts, Hillside, N. J., assignors to Standard Oil Development Company. Apparatus for the production of hydrogen. 2,028,326; Jan. 21.
Hanaman, John, Chicago, Ill. Simulating motion and apparatus therefor. 2,028,662; Jan. 21.
Hansen, Ernest H., Bloomfield, N. J., assignor to Halowax Corporation, New York, N. Y. Fire resistant composition. 2,028,718; Jan. 21.
Hanson, Helen M., Argyle, Wis., assignor to Martin Brothers Company, Minneapolis, Minn. Diaper garment. 2,028,592; Jan. 21.
Hanson, Miles G., Flint, Mich. Producing the alkali metals. 2,028,380; Jan. 21.
Harmon, Wayne A. S., assignor, by mesne assignments, to California Orchard Heater Company, Los Angeles, Calif. Orchard heater. 2,028,327; Jan. 21.
Harnischfeger Corporation. (See Harnischfeger, Henry, assignor.)
Harnischfeger, Henry, assignor to Harnischfeger Corporation, Milwaukee, Wis. Garage. 2,028,591; Jan. 21.
Harrod, John W., Youngstown, Ohio. Apparatus for stringing tennis rackets. 2,028,663; Jan. 21.
Hart, Lawrence F. C., Ottawa, Ontario, Canada. Removable hood for the rumble seat of automobiles. 2,028,209; Jan. 21.
Hartmann Trunk Company. (See Ritter, Julius, Jr., assignor.)
Harvey, William H., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collecting apparatus. 2,028,210; Jan. 21.
Harwood, Geo. S. & Son. (See Howe, Joseph R., assignor.)
Harza, Leroy F., Ravinia, Ill. Hydraulic turbine. 2,028,448; Jan. 21.
Hatch, Charles W., Brighton, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Cap member for fasteners. 2,028,703; Jan. 21.
Haworth, Mack E., Pittsburgh, Pa., assignor to The Jeffrey Manufacturing Company. Field stream control. 2,028,211; Jan. 21.
Hayden, Elsie G., executrix. (See Hayden, Harold E.)
Hayden, Harold E., Brooklyn, N. Y., Elsie G. Hayden, executrix of said Harold E. Hayden, deceased. Vacuum tube system and container. 2,028,717; Jan. 21.
Hayden, Lester N., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener attaching machine. 2,028,704; Jan. 21.
Hayes Industries, Inc. (See Hamilton, Alexander C., assignor.)
Hazeltine Corporation. (See Lewis, Harold M., assignor.)
Heise, Hermann, assignor to E. Leitz, Optische Werke, Wetzlar, Germany. Ball-bearing for scientific instruments. 2,028,718; Jan. 21.
Heinemann, Rudolf, Berlin, Germany. Vehicle direction indicator. 2,028,604; Jan. 21.
Heinrich, William F., North Bergen, N. J. Type form tie. 2,028,440; Jan. 21.
Heinze Development Company. (See Heinze, John O., assignor.)
Heinze, John O., Detroit, Mich., assignor to Heinze Development Company. Turbo air compressor. 2,028,603; Jan. 21.
Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio transmitting system. 2,028,212; Jan. 21.
Hemphill, Arthur E., Egg Harbor City, N. J. Heat exchanger or cooler. 2,028,213; Jan. 21.
Henderson, Edward O. (See Henderson, Herbert B. and H. O.)
Henderson, Herbert B. and H. O., New Brighton, Pa. Pyrometric device. 2,028,607; Jan. 21.
Henkel & Cie. G. m. b. H. (See Elbel, Eberhard, assignor.)
Hennessy, Mark M., Wauwatosa, assignor to Durant Manufacturing Co., Milwaukee, Wis. Soap ejecting spray head. 2,028,214; Jan. 21.
Henry, Charles P., Cranston, assignor to J. N. Henry, Providence, R. I. Curtain support. 2,028,605; Jan. 21.
Henry, Charles P., Cranston, assignor to J. N. Henry, Providence, R. I. Curtain support. 2,028,606; Jan. 21.
Henry, Charles P., Cranston, assignor to J. N. Henry, Providence, R. I. Curtain support. 2,028,607; Jan. 21.
Henry James M. (See Henry, Charles P., assignor.)
Hercules Powder Company. (See Bowlby, Walter D., assignor.)
Hercules Powder Company. (See Sperry, Luke H., assignor.)
Hermanni, Alfred, Berlin-Frohnau, Germany, assignor to General Electric Company. Electric heater. 2,028,604; Jan. 21.
Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Expansion insert or caster socket for tubular legs or the like. 2,028,328; Jan. 21.
Heuberger, Joseph F., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,028,715; Jan. 21.
Heusser, Carl. (See Clingestein, H., Boss, and Heusser.)
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Signal valve device. 2,028,605; Jan. 21.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pedestal brake valve device. 2,028,606; Jan. 21.

Hewett, William S., Kimhurst Ill. Joint for concrete pipes. 2,028,008; Jan. 21.

Hiering, William C., assignor to The J. E. Mergott Company, Newark, N. J. Bag frame. 2,028,216; Jan. 21.

Higgins, Sigfried. (See Swan, H., and Higgins.)

Hill, Robert H. (See Blake, K. E., and Hill.)

Hilyard, Albert, Salinas, Calif. Plant thinning implement. 2,028,450; Jan. 21.

Hiscock, Thory, Seattle, Wash., assignor, by mesne assignments, to United Air Lines Transport Corporation, Chicago, Ill. Ice removing means. 2,028,600; Jan. 21.

Hitt, Parker, assignor to International Communications Laboratories, Inc., New York, N. Y. Ciphering apparatus. 2,028,506; Jan. 21.

Hodge, Edwin T. (See McDougall, George F., assignor.)

Hodge, Edwin T., and G. F. McDougall, Portland, Oreg.; said McDougall assignor to said Hodge. Auxiliary hydraulic steering mechanism. 2,028,451; Jan. 21.

Hodson, Walter D., Chicago, Ill. Wire rope lubrication. 2,028,158; Jan. 21.

Hodson, Walter D., Chicago, Ill. Wire rope. 2,028,156; Jan. 21.

Hodson, Walter D., Chicago, Ill. Wire rope. 2,028,157; Jan. 21.

Hodson, Walter D., Beverly Hills, Ill. Incorporating extremely viscous lubricants in rope material. 2,028,159; Jan. 21.

Hoe, Robert, Hyde Park, N. Y. Power unit. 2,028,382; Jan. 21.

Hefer, Henri, Geneva, Switzerland, assignor to firm Fabrique D'Ebauches Venus S. A. Moutier, Switzerland. Stop watch. 2,028,483; Jan. 21.

Hoffman, Herbert, Jackson Heights, N. Y. Illuminating apparatus. 2,028,453; Jan. 21.

Holbrook, Harry E. (See Gustafson, C. E., and Holbrook.)

Holloway, Isaiah S. (See Moore, L., and Holloway.)

Holt, James L., Newfoundland, N. J. Reeling. 2,028,667; Jan. 21.

Hosking, Richard T. Wilmette, Ill. Reenforced light-transmitting sheet. 2,028,670; Jan. 21.

Houde Engineering Corporation. (See Poe, Ralph F., assignor.)

Houston, Claude M., Pittsburgh, Pa. Coupling for tubular joints of the expansion joint type. 2,028,539; Jan. 21.

Howard, Jules, New Rochelle, N. Y., and S. B. Richeson, Jersey City, N. J. Foam controlling hose faucet. 2,028,363; Jan. 21.

Howe, Joseph B., Worcester, assignor to Geo. S. Harwood & Son, Boston, Mass. Automatic weighing machine. 2,028,544; Jan. 21.

Howe, Joseph B. Worcester, assignor to Geo. S. Harwood & Son, Boston, Mass. Weighing mechanism. 2,028,545; Jan. 21.

Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Motion picture camera and the like. 2,028,608; Jan. 21.

Hudson, David W., Green Bay, Wis. Ventilated and humidified storage receptacle. 2,028,220; Jan. 21.

Huffman, Otto V., Bedford Hills, N. Y. Antiparasitic agent and agency. 2,028,217; Jan. 21.

Hughes-Mitchell Processes Incorporated. (See Mitchell, T. A., and Sessions, assignors.)

Humphries, Walter R. (See Hurst, W. M., and Humphries.)

Hunt, Franklin B., assignor to The Liquid Carbonic Corporation, Chicago Ill. Refrigerating system. 2,028,735; Jan. 21.

Hurliman, Julius. (See Miller, G. J., and Hurliman.)

Hurst, Wilbur M., Washington, D. C., and W. R. Humphries, Silver Spring, Md., dedicated to the free use of the Public. Dry material feeding device. 2,028,719; Jan. 21.

Hygrade Sylvania Corporation. (See Le Bel, Clarence J., assignor.)

Hygrade Sylvania Corporation. (See Rusel, Joseph, assignor.)

Hyslop, Samuel, Newton, Mass. Thread clearer. 2,028,392; Jan. 21.

I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., and Christmann, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Rabe, Hans, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Wilke, W., Stadler, and Lappe, assignors.)

I T E Circuit Breaker Company. (See Graves, Herbert C., Jr., assignor.)

Ingersoll Milling Machine Company, The. (See Perry, R. S., Johnson and Oberhoffken, assignors.)

Ingersoll-Rand Company. (See Slater, Fred M., assignor.)

Inland Lime and Stone Company. (See Wygal, Clyde D., assignor.)

International Communications Laboratories, Inc. (See Clavier, André G., assignor.)

International Communications Laboratories, Inc. (See Hitt, Parker, assignor.)

International Communications Laboratories Incorporated. (See Smith, Clyde assignor.)

International Harvester Company. (See Beckman, William O., assignor.)

International Harvester Company. (See Johnson, Arnold E. W., assignor.)

International Harvester Company. (See Johnston, E. A., Bryan, and Turner, assignors.)

International Harvester Company. (See Mitchell, Melville J., assignor.)

International Harvester Company. (See Pinnegrass, Herman O., assignor.)

International Paper Company. (See Bobbe, Edwin W., assignor.)

Intertype Corporation. (See Klingberg, Elmer G., assignor.)

Irwin, Clifford R., Los Angeles, Calif. Locking-head. 2,028,009; Jan. 21.

Isaacs, Moses H., executor, et al. (See Molina, Walter R.)

Iverson Tool Company. (See Smith, J. C., and Taylor, assignors.)

Jackson, Sarah, London England. Gem or like setting in jewelery. 2,028,284; Jan. 21.

Jacoel, Isidore, Norfolk, Va. Cable splicer. 2,028,510; Jan. 21.

Jänicke, Hermann, Dessau, assignor to H. Junkers, Dynamisch-Zell, Oberbayern, Germany. Free piston engine compressor. 2,028,281; Jan. 21.

Jeffrey Manufacturing Company, The. (See Bakstad, Johan B., assignor.)

Jeffrey Manufacturing Company, The. (See Haworth, Mack H., assignor.)

Jephson, Allen C., and E. B. Custer, Johnstown, Pa., assignors to National Radiator Corporation. Cathode for electrolytic cells. 2,028,385; Jan. 21.

Johansson, Carl E., Detroit, Mich. Precision measuring instrument. 2,028,611; Jan. 21.

John, Frank B., assignor of one-half to W. A. Cox, Nashville, Tenn. Screw driver. 2,028,546; Jan. 21.

Johnson, Arnold E. W., Chicago, Ill. assignor to International Harvester Company. Side delivery rake. 2,028,333; Jan. 21.

Johnson, Audrey M., St. Joseph, Mo. Buttstub cover. 2,028,454; Jan. 21.

Johnson, Earle W., Dallas, Tex., assignor to Western Geophysical Company, Tulsa, Okla. Seismic surveying. 2,028,286; Jan. 21.

Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Collar fastener. 2,028,705; Jan. 21.

Johnson, Jesse C., Oakland, Calif. Apparatus for feeding fuel oil to burners for boilers and similar installations. 2,028,393; Jan. 21.

Johnson, John A., Woodhaven, N. Y. Feeding means for sealing pads for receptacle closure caps. 2,028,318; Jan. 21.

Johnson, John A., Woodhaven, N. Y. Feeding means for sealing pads for receptacle closure caps. 2,028,319; Jan. 21.

Johnson, John E. (See Perry, R. S., Johnson, and Oberhoffken.)

Johnson Laboratories, Inc. (See Crowley, Alfred, assignee.)

Johnston, Edward A., H. F. Bryan, and W. H. Turner, Chicago, Ill., assignors to International Harvester Company. Heavy fuel vaporizer. 2,028,329; Jan. 21.

Jones & Laughlin Steel Corporation. (See Weibel, A. B., and Jones, assignors.)

Jones, William. (See Weibel, A. B., and Jones.)

Judd, Irving H., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Automobile transport. 2,028,547; Jan. 21.

Junkers, Hugo. (See Jänicke, Hermann, assignor.)

Junto-Display Corporation. (See Rice, Alexander, assignor.)

Kalichevsky, Vladimir, Elizabeth, N. J., assignor to Standard Oil Development Company, Desulphurizing a petroleum oil distillate. 2,028,245; Jan. 21.

Karmazin Engineering Company. (See Karmazin, John, assignor.)

Karmazin, John, Huntington, Ind., assignor to Karmazin Engineering Company. Header construction. 2,028,458; Jan. 21.

Karmazin, John, Huntington, Ind., assignor to Karmazin Engineering Company. Refrigerating apparatus. 2,028,456; Jan. 21.

Karmazin, John, Huntington, Ind., assignor to Karmazin Engineering Company. Refrigerating apparatus. 2,028,457; Jan. 21.

Karmazin, John, Huntington, Ind., assignor to Karmazin Engineering Company. Refrigerating apparatus. 2,028,458; Jan. 21.

Katzinger, Edward, Company. (See Kaufman, Jacob, assignor.)

Kaufman, Harry. (See Levine, A., and Kaufman.)

Kay-Brunner Products Inc. (See Kay, Lloyd D., assignor.)

Kay, Lloyd D., San Mateo, Calif., assignor to Kay-Brunner Steel Products, Inc. Axle. 2,028,204; Jan. 21.

Keech, Fred G., Newark, and A. Markowitz, Bloomfield, N. J. Sand distributor for automobiles. 2,028,234; Jan. 21.

Kelly, Timothy J., assignor to Southern Bolting Mills, Shannon, Ga. Seed bed cover. 2,028,220; Jan. 21.

Kelsey-Hayes Wheel Company. (See Mein, Frank L., assignor.)

Kemp, Caroline, Clayton, N. Y. Toaster for canapés for hors d' oeuvres. 2,028,180; Jan. 21.

Keoughan, Laurence M., Berwyn, Ill. Apparatus for drying sludge. 2,028,325; Jan. 21.

Kern, Erwin, Beromünster, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electron discharge device control system. 2,028,706; Jan. 21.

Kerr, Howard J., Westfield, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Protective covering for tubes. 2,028,190; Jan. 21.

Kiaz, Edward F., Cranston, R. I. Cloth board. 2,028,396; Jan. 21.

Kirsten, Kurt F. J., Seattle, Wash., assignor to Kirsten Lighting Corporation. Low voltage gas arc lamp. 2,028,548; Jan. 21.

Kirsten Lighting Corporation. (See Kirsten, Kurt F. J., assignor.)

Kiser, Viggo A., Copenhagen, Denmark. Device for reducing torsional vibrations in shafts. 2,028,489; Jan. 21.

Klessig, Arthur L., Manitowoc County, Wis. Automatic hitch. 2,028,221; Jan. 21.

Kilefoth, Max H., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Rubber dispersion in alkali silicates. 2,028,397; Jan. 21.

Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)

Klingberg, Elmer G., Long Island City, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y. Vise for slug casting machines. 2,028,750; Jan. 21.

Knell, John, assignor to All-Steel-Equip Company, Aurora, Ill. Electrical receptacle. 2,028,509; Jan. 21.

Kollman, Jacob, assignor to Edward Katzinger Company, Chicago, Ill. Cube gun. 2,028,671; Jan. 21.

Korten, Ernst. (See Brockerhoff, K., Bohnstedt, and Korten.)

Kosvich, Bess, New York, N. Y. Bird cage seed guard frame. 2,028,612; Jan. 21.

Kramar, Ernst, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Transmitter for electromagnetic waves. 2,028,510; Jan. 21.

Kremer, Edward H., assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio. Belt connecter. 2,028,598; Jan. 21.

Krieg, John L. (See Parent, E. J., and Krieg.)

Krissiep, Max, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa. Braiding carrier. 2,028,222; Jan. 21.

Kroenig, Walter. (See Pier, M., Simon, and Kroenig.)

Kubina, John, Brantford, assignor of one-half to M. Blachs, Brantford, Ontario, Canada. Combined lock and latch. 2,028,672; Jan. 21.

Kuhl, Paul R., Elizabeth, N. J., assignor to Standard Oil Development Company. Carrying out chemical reactions. 2,028,836; Jan. 21.

Kyrides, Lucas P., Webster Groves, Mo., assignor, by mesne assignments, to Monsanto Chemical Company. Plastic compositions and making the same. 2,028,390; Jan. 21.

La Brie, Ludger R. (See Bendix, V., and La Brie.)

La Brie, Ludger R., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,028,612; Jan. 21.

La Brie, Ludger R., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,028,614; Jan. 21.

La Mar, Frank C., assignor to Great Western Fuse Company, New York, N. Y. Fusible link. 2,028,720; Jan. 21.

La Mar, Frank C., assignor to Great Western Fuse Company, New York, N. Y. Fusible link. 2,028,721; Jan. 21.

Lambert, Charles F., Grosse Pointe Farms, assignor to Clayton and Lambert Manufacturing Company, Detroit, Mich. Cover lock. 2,028,228; Jan. 21.

Lambert, James G. (See Dagnall, R. F., and Lambert.)

Land, Charles H., and W. H. Wilson, Detroit, Mich., said Land assignor to said Wilson. Tractor-trailer vehicle. 2,028,400; Jan. 21.

Landauer, Kurt, Stuttgart, Germany. Holder for match packages. 2,028,459; Jan. 21.

Lane, Jens P., Seattle, Wash. Holder for umbrellas. 2,028,237; Jan. 21.

Lang, Richard T., Heidenheim on the Brenz, Germany, assignor to American Voith Contact Co., Inc., New York, N. Y. Stock inlet control for paper making machines. 2,028,673; Jan. 21.

Langley, Sam G., Maplewood, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,028,224; Jan. 21.

Lappe, Franz. (See Wilke, W., Stadler, and Lappe.)

Larson, Albin E., Webster, S. Dak. Claw guard. 2,028,674; Jan. 21.

Larson, Homer W., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Welding apparatus. 2,028,225; Jan. 21.

Laverone, Jean, Paris, assignor to The Society Compagnie de Chauffage Central par la Vide, Neuilly-sur-Seine, France. Expansion valve for steam. 2,028,676; Jan. 21.

Le Baron, Robert P., New York, N. Y., assignor, by mesne assignments, to Standard Alcohol Company, Wilmington, Del. Sulphating oiadnes. 2,028,226; Jan. 21.

Le Bel, Clarence J., Lynn, assignor to Hygrade Sylvania Corporation, Salem, Mass. Electrical apparatus. 2,028,388; Jan. 21.

Leeper, Victor, et al. (See McDowell, John, J. F., and E., assignees.)

Lees, Arthur W. (See Szukalski, C. J., and Lees.)

Leicester, William F., Hackensack, N. J., Making glued up plywood. 2,028,287; Jan. 21.

Leitz, Ernst, Optische Werke. (See Heine, Hermann, assignor.)

Lenz, George H., Elmhurst, assignor of one-half to J. J. Ohle, Oak Park, Ill. Glazing structure. 2,028,615; Jan. 21.

Lenz, Edward H., Valders, Wis. Cross-chain coupling. 2,028,288; Jan. 21.

Lesh, Lawrence J., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Airport control and signaling system. 2,028,723; Jan. 21.

Levine, Abraham, Elizabeth, and H. Kaufman, West Orange, N. J. Baggage. 2,028,330; Jan. 21.

Lewis, Benjamin F. (See Gannett, D. K., and Lewis.)

Lewis, Benjamin F., Flushing, assignor to American Telephone and Telegraph Company. Time announcement system. 2,028,289; Jan. 21.

Lewis, Harold M., Douglaston, N. Y., assignor to Haseltine Corporation. Tone control. 2,028,511; Jan. 21.

Lewis, Robert J., Baltimore, Md. Motor truck. 2,028,227; Jan. 21.

Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Distillation of easily decomposable materials. 2,028,340; Jan. 21.

Light, Harry, Atlantic City, N. J. Amusement device. 1,197,678; Jan. 21.

Linde Air Products Company, The. (See Wagner, Noah E., assignor.)

Lindsey, Lerkin C., Grady, N. Mex. Swimming glove. 2,028,461; Jan. 21.

Lime Material Company. (See Steinmayer, Alwin G., assignor.)

Liquid Carbonic Corporation, The. (See Hunt, Franklin B. assignor.)

Locomotive Finished Material Company, The. (See Muchale, Henry E., assignor.)

Loetscher, Emil C., Dubuque, Iowa. Apparatus for the manufacture of a composite building material. 2,028,610; Jan. 21.

Loftus, Fred H., Mount Lebanon, Pa. Nonreversing open-hearth furnace. 2,028,290; Jan. 21.

Logan Gear Company, The. (See Sprink, Isaac W., assignor.)

Lonza Elektrizitätswerke und Chemische Fabriken Aktiengesellschaft (Gampel). (See Lascher, Emil, assignor.)

Lord, Hugh C., Erie, Pa. Mounting. 2,028,549; Jan. 21.

Lord, Hugh C., Erie, Pa. Mounting. 2,028,550; Jan. 21.

Lord, Hugh C., Erie, Pa. Mounting and joints therefor. 2,028,551; Jan. 21.

Lord, Mathew A., Blackpool, England. Railway line. 2,028,401; Jan. 21.

Lorenz, C., Aktiengesellschaft. (See Kramar, Ernst, assignor.)

Low, Albert H., Denver, assignor of one-fourth to C. Whitehead and A. L. Vogl, Denver, Colo. Cigarette. 2,028,552; Jan. 21.

Lubin, Harry E., Spokane, Wash. Dispensing apparatus. 2,028,553; Jan. 21.

Lubrication Control Corporation. (See Booth, Harry T., assignor.)

Ludowici, Wilhelm, Jockgrim/Pfalz, Germany. Roofing tile. 2,028,228; Jan. 21.

Luhn, Hans P., New York, N. Y. Miniature building structure. 2,028,229; Jan. 21.

Luminite Products Corporation. (See Greene, W. M., and Luther, assignors.)

Lupton, Elmer H., Dchester, Md. Locking means for paper board boxes. 2,028,677; Jan. 21.

Lupton, Elmer H., Dchester, Md. Locking and reenforcing means for paper board boxes. 2,028,678; Jan. 21.

Lascher, Emil, Basel, assignor to Lonza Elektrizitätswerke und Chemische Fabriken Aktiengesellschaft (Gampel), Basel, Switzerland. Production of concentrated nitric acid. 2,028,402; Jan. 21.

Lutz, Carl, Hammond, Ind., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,028,617; Jan. 21.

Luther, Paul E. (See Greene, W. M., and Luther.)

Lyden, Frank J., St. Louis, Mo. Condenser motor. 1,028,730; Jan. 21.

Macbeth, Colin, Birmingham, England. Vulcanizing press. 2,028,619; Jan. 21.

MacPherson, Albert A., Five Dock, near Sydney, New South Wales, Australia. Implement handle. 2,028,291; Jan. 21.

Magnesium Development Corporation. (See Michel, Josef M., assignor.)

Magnetic Analysis Corporation. (See Zuschlag, Theodor, assignor.)

Maier, Albert, Friedrichshafen, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen Bodensee, Germany. Freewheeling device for motor vehicles. 2,028,512; Jan. 21.

Main, Frank L., Birmingham, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Structural element. 2,028,554; Jan. 21.

Malcom, Robert, Chicago, Ill. Mask. 2,028,462; Jan. 21.

Mann, Robert, Memphis, Tenn. Syringe for blood transfusions. 2,028,161; Jan. 21.

Mann, Walter J., Plainfield, N. J., assignor to General Conveyors Limited, Montreal, Quebec, Canada. Belt conveyor. 2,028,281; Jan. 21.

Marchant Calculating Machine Company. (See Friden, Carl M. F., assignor.)

Marcroft, William, South Chatham, Mass. Winding machine. 2,028,679; Jan. 21.

Marco, Joseph R., St. Louis, assignor to Monsanto Chemical Company, St. Louis, Mo. Plastic compositions of matter. 2,028,408; Jan. 21.

Markowitz, Adolph. (See Keoch, F. G., and Markowitz.)

Marlow, Frederick W. (See Peterkin, J. P., and Marlow.)

Marsh, Harold, Pawtucket, R. I., assignor to Draper Corporation, Hopedale, Mass. Warp stop motion. 2,028,723; Jan. 21.

Marten, Thomas H., Toronto, Ontario, Canada. Davit mechanism device for launching lifeboats. 2,028,513; Jan. 21.

Martin Brothers Company. (See Hansen, Helen M., assignor.)

Mason Box Company, The. (See Gustafson, C. E., and Holbrook, assignors.)

Master Electric Company, The. (See Phelps, Clyde H., assignor.)

Masterench Corporation. (See Mead, Homer A., assignor.)

Masterson, Isobel, Seattle, Wash., and H. Dorman, Portland, Oreg., said Dorman assignor to C. W. Bowen, Jr., Seattle, Wash. Series envelope. 2,028,341; Jan. 21.

Matchette, Louis D. (See Surtees, Robert E., assignor.)

Mathar, Josef, Aachen, assignor of one-half to Schumag Schumacher Metallwerke Aktiengesellschaft für Prüfeinrichtungen, Aachen, Germany. Determining the stresses in structural elements and in completed constructions. 2,028,514; Jan. 21.

Matronoff, Ivan, Leningrad, Union of Socialist Soviet Republics. Railway brake. 2,028,404; Jan. 21.

Matthews, Tom, et al. (See McDowell, John, J. F., and E., assignors.)

Maurer, August F. (See Murphy, John N., assignor.)

Mayeda, Mikuo, and Yoshiguro Okamoto, Waialua, Hawaii. Digger. 2,028,680; Jan. 21.

McCarthy, Justin J., Boston, Mass. Obtaining finger prints. 2,028,619; Jan. 21.

McClanahan, Frederick C., Homer, La. Mechanism for locking gas tank cover. 2,028,515; Jan. 21.

McDougall, George F. (See Hodge, E. T., and McDougall.)

McDougall, George F., assignor to E. T. Hodge, Portland, Oreg. Change pitch propeller. 2,028,483; Jan. 21.

McDowell, Earl. (See McDowell, John, J. F., and E.)

McDowell, James F. (See McDowell, John, J. F., and E.)

McDowell, John, J. F., and E., Palisade, Colo., assignors of seven and one-half per cent to C. W. Tharp, five per cent to O. Thompson, two and one-half per cent to Jack Nerve, two and one-half per cent to V. L. Looper, three per cent to T. Matthews, two per cent to J. W. Ward, and five per cent to N. B. Grant. Sprinkling attachment for hose. 2,028,558; Jan. 21.

McGeorge, William T., et al. (See Sweet, William O., assignor.)

McGowan, Michael E., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Butt-sealing incandescent electric lamps. 2,028,342; Jan. 21.

McLauthlin, Martin E., Malden, Mass. Elevator apparatus. 2,028,406; Jan. 21.

Mead, Homer A., Turlock, assignor to Masterench Corporation, Turlock, Calif. Double jaw wrench. 2,028,496; Jan. 21.

Meehan, Daniel B. (See Sergeant, A. M., and Meehan.)

Meffink, Charles F., Toledo, Ohio. Security depository. 2,028,464; Jan. 21.

Mergott, J. B., Company, The. (See Ehering, William C., assignor.)

Merrell, Wm. S., Company, The. (See Rider, T. H., and Shelton, assignors.)

Michel, Josef M., Bitterfeld, Germany, assignor, by mesne assignments, to Magnesium Development Corporation. Protecting magnesium and magnesium alloys. 2,028,543; Jan. 21.

Microsmatic Hose Corporation. (See Connor, K. W., and Ringdale, assignors.)

Mid-Continent Investment Company, et al. (See Cross, W. M., Jr., Ruder, and Norquist, assignors.)

Middleton, Leslie H., Adrian, assignor to Schwarze Electric Company, Adrian, Mich. Sound signaling. 2,028,465; Jan. 21.

Miller, Francis, Brooklyn, N. Y. One-way elevator system. 2,028,520; Jan. 21.

Miller, George J., and J. Hurliman, assignors to American Foundation for the Blind, Inc., New York, N. Y. Braille writer. 2,028,516; Jan. 21.

Miller, Ralph L., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submultiple frequency generator. 2,028,232; Jan. 21.

Mitchell Brothers, Inc. (See Goodman, Lillian, assignor.)

Mitchell, Melville J., Moline, Ill., assignor to International Harvester Company. Shield for toothed separator elements. 2,028,344; Jan. 21.

Mitchell, Thomas A., and E. L. Seamons, assignors, by mesne assignments, to Hughes-Mitchell Processes Incorporated, Denver, Colo. Making zinc sulphide. 2,028,162; Jan. 21.

Moineau, René J. L., Paris, France. Gear mechanism. 2,028,407; Jan. 21.

Molina, Harold E., executor, et al. (See Molina, Walter E.)

Molina, Walter E., Deptford, London, England, H. E. Molina, and M. H. Isaacs, executors of said W. E. Molina, deceased. Grinding of rotating eccentric knives. 2,028,681; Jan. 21.

Monitor Controller Company. (See Frese, Joseph F., assignor.)

Monk, Reginald H., and A. E. Rose, Montreal, Quebec, Canada, assignors to American Zinc, Lead & Smelting Company, St. Louis, Mo. Making titanium oxide. 2,028,262; Jan. 21.

Monsanto Chemical Company. (See Drennan, Michael N., assignor.)

Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)

Monsanto Chemical Company. (See Marco, Joseph R., assignor.)

Montrose-Ostertag, Louis B.-W., Karlsbad, Czechoslovakia. Multiple unit control system. 2,028,582; Jan. 21.

Moore Company, The. (See Wunderlich, William E., assignor.)

Moore Drop Forging Company. (See Eden, James A., Jr., assignor.)

Moore, George L., and J. B. Steel, Owego, N. Y. Lubricating device. 2,028,517; Jan. 21.

Moore, Lewis, Joliet, Ill., and I. B. Holloway, La Fayette, Ind. Stove door. 2,028,345; Jan. 21.

Moran, Matthew F., Kansas City, Mo. Filter bed. 2,028,466; Jan. 21.

Morschel, Heinrich. (See Heylandt, W., and Morschel.)

Moses, Edward, assignor to Hamilton-Beach Manufacturing Company, Racine, Wis. Food mixer. 2,028,468; Jan. 21.

Mschaie, Henry E., assignor to The Locomotive Finished Material Company, Attleboro, Mass. Return head. 2,028,467; Jan. 21.

Mueller, C. F., Company. (See Bernasconi, Adolphe, assignor.)

Murdock, Arthur J., San Francisco, Calif. Adjustable bearing. 2,028,668; Jan. 21.

Murphy, John N., assignor of one-half to A. F. Maurer, Springfield, Ill. Water closet construction. 2,028,461; Jan. 21.

Nafder, Maurice, Paris, France. Welding. 2,028,272; Jan. 21.

Nerve, Jack, et al. (See McDowell, John, J. F., and E., assignors.)

National Equipment Company. (See Ragnarda, Edward D., assignor.)

National Machinery Co. (See Clouse, William L., assignor.)

National Maytinery Company, The. (See Rae, Walter H., assignor.)

National Pneumatic Company. (See Forman, Paris E., assignor.)

National Postal Meter Company. (See Pfaffrock, John Q., assignor.)

National Postal Meter Company. (See Ryan, Commodore D., assignor.)

National Radiator Corporation. (See Jephson, A. C., and Custer, assignors.)

National-Standard Company. (See Pierce, Robert C., assignor.)

Nathiel, H., and H. Engelke, New York, N. Y. Hair curler. 2,028,544; Jan. 21.

Needham, John T., North Plainfield, N. J. Belt conveyer. 2,028,596; Jan. 21.

Needham, John T., North Plainfield, N. J., assignor to General Conveyors Limited, Montreal, Quebec, Canada. Belt conveyer system. 2,028,595; Jan. 21.

Neelmeier, Wilhelm, Leverkusen-Wetedorf, and H. Morschel, Cologne-Deutz, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-insoluble azoic stuffs derived from hydroxynaphthoic acids. 2,028,435; Jan. 21.

Nelson, Martin L. (See Wendorf, H. P., and Nelson.)

Neugart, Franz. (See Brühl, P., and Neugart.)

Newell, Christopher G., assignor to The Bristol Tramways & Carriage Company Limited, Bristol, England. Swivel type engine. 2,028,507; Jan. 21.

News Projection Corporation. (See Bitzer, August D., assignor.)

Nietzel, John A., Hinsdeth, and S. Tsoplitis, Irvington, N. J. Double lever side cutting implement. 2,028,558; Jan. 21.

Norsby, Emil, Hamar, Norway. Rolling machine. 2,028,470; Jan. 21.

Norquist, Victor C. (See Cross, W. M., Jr., Ruder, and Norquist.)

Northrup, James, assignor to Draper Corporation, Hopedale, Mass. Loom. 2,028,550; Jan. 21.

Northrup, James, assignor to Draper Corporation, Hopedale, Mass. Parter operating means for looms. 2,028,560; Jan. 21.

Norton, Raymond T., Washington, D. C., assignor to Bendix Brake Company, South Bend, Ind. Brake operator. 2,028,031; Jan. 21.

Novick, Abraham, Flushing, N. Y., assignor to United States Envelope Company, Springfield, Mass. Process and apparatus for manufacturing paper cups. 2,028,189; Jan. 21.

Oberhoffken, Alexander. (See Perry, R. S., Johnson, and Oberhoffken.)

O'Brien, James H., Chicago, Ill., assignor to American Blower Corporation, Detroit, Mich. Modifying room atmospheric conditions. 2,028,682; Jan. 21.

O'Brien, John J. and M. W., South Bend, Ind. Undercutting attachment for lathes. 2,028,598; Jan. 21.

O'Brien, Miss W. (See O'Brien, John J., and M. W.)

Och, Henry G., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y. Locating device. 2,028,237; Jan. 21.

Ohlis, Julius J. (See Leake, George H., assignor.)

Okamoto, Yoshinguro. (See Mayeda, M., and Okamoto.)

Okonite Company, The. (See Wiseman, Robert J., assignor.)

Oliver, Florence M., Youngstown, Ohio. Colostomy girdle and support. 2,028,286; Jan. 21.

Oppenheim, René, assignor to Société Anonyme le Carbone, Gennevilliers, France. Cell of the solid electrolyte type. 2,028,518; Jan. 21.

Otis, Peter J., West Haven, Conn. Carver for grapefruit, etc. 2,028,288; Jan. 21.

Packless Metal Products Corporation. (See Grannemann, Stephen, assignor.)

Palmer, Sidney E., San Francisco, Calif., assignor to American Smelting and Refining Company, New York, N. Y. Metallic packing and producing the same. 2,028,240; Jan. 21.

Palmros, Alexander. (See Enge, W. E., and Palmros.)

Pantegrau, Norman O., Chicago, Ill., assignor to International Harvester Company. Sheet plate for truck shoes. 2,028,346; Jan. 21.

Parent, Emile J., Bloomfield, N. J., and J. L. Krieg, Hollis, assignors to Alco Products Incorporated, New York, N. Y. Apparatus for reclaiming waste heat. 2,028,471; Jan. 21.

Parker, William P., Troup, Tex., assignor to Sinclair Prairie Oil Company, Tulsa, Okla. Oil well pumping apparatus. 2,028,409; Jan. 21.

Parsons Marine Steam Turbine Company. (See Cook, H. R., and Douglas, assignors.)

Patent Engineering Corporation. (See Rockwell, Edward A., assignor.)

Paul, John E., Newark, N. J., assignor to United States Radium Corporation, New York, N. Y. Making self-luminous element. 2,028,241; Jan. 21.

Pearl, Frank B., Neenah, assignor to Durant Manufacturing Co., Milwaukee, Wis. Soap ejecting spray head. 2,028,242; Jan. 21.

Pellegrin, Elmer D. (See Wilkinson, G. D., and Pellegrin.)

Pelosi, John M., Brockton, Mass. Heated boot. 2,028,347; Jan. 21.

Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,028,164; Jan. 21.

Perma Corporation. (See Dopp, Frank E., assignee.)

Perreault, George E. (See Barrett, E. A., and Perreault.)

Perry, John E., Youngstown, and W. H. Ramage, Girard, assignors to Valley Mould and Iron Corporation, Hubbard, Ohio. Ingot mould for steel ingots. 2,028,243; Jan. 21.

Perry, John E., Youngstown, and W. H. Ramage, Girard, assignors to Valley Mould and Iron Corporation, Hubbard, Ohio. Steel ingot. 2,028,244; Jan. 21.

Perry, Raymond S., John R. Johnson, and A. Oberhoffken, assignors to The Ingersoll Milling Machine Company, Rockford, Ill. Construction of machine tools. 2,028,727; Jan. 21.

Peterkin, Albert G., Jr., Bryn Mawr, assignor to The Atlantic Refining Company, Philadelphia, Pa. Oil cranking system. 2,028,728; Jan. 21.

Peterkin, Jessie E., and F. W. Marlow, Toronto, Ontario, Canada. Toothbrush spoon. 2,028,519; Jan. 21.

Petroleum Processes Corporation, The. (See Tears, Claude F., assignor.)

Phelps, Clyde H., Mount Vernon, N. Y., assignor, by mesne assignments, to The Master Electric Company, Dayton, Ohio. Apparatus for calculating the angularity of steering wheels. 2,028,632; Jan. 21.

Phillips, Howard D., Vancouver, Wash. Strainer. 2,028,520; Jan. 21.

Pier, Mathias, Heidelberg, W. Simon, and W. Kressig, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J., both representing distillable carbonaceous materials. 2,028,233; Jan. 21.

Pier, Mathias, Heidelberg, and F. Carlsmann, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Lubricant and cooling mixt. 2,028,349; Jan. 21.

Pierce, Robert C., assignor to National-Standard Company, Niles, Mich. Tire and making the same. 2,028,165; Jan. 21.

Pierpont, Benjamin. (See Coulling, Harry M., assignor.)

Pilger, Emil W., assignor to Snap-On Tools, Inc., Kenosha, Wis. Wrench handle. 2,028,562; Jan. 21.

Pinkenburg, Heinrich E., Sewickley Heights, Pa., assignor to J. G. Duncan, Jr. Coke controlled apparatus. 2,028,729; Jan. 21.

Pittsburgh Tube Company. (See Gangwisch, Robert L., assignor.)

Pohl, Walter, Ernsthausen/Kreis Siegen, Germany, by mesne assignments, to the firm Deutsche Gold- und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Method of and an apparatus for subjecting a flowing medium to a continuous operation to a reaction. 2,028,684; Jan. 21.

Polzer, Friedrich Sooth Norwalk, Conn. Pile type stapling machine. 2,028,380; Jan. 21.

Porter, Herbert H., et al. (See Swock, William O., assignor.)

Porter, Stephen C., New York, N. Y. Microphone transmitter. 2,028,685; Jan. 21.

Potts, George. (See Hanks, W. V., Fregenuth, and Potts.)

"Pouring Spouts Inc." (See Read, Arthur, assignor.)

Pratt, Carlos J., St. Louis, Mo., assignor, by mesne assignments to J. P. Devine Manufacturing Co., Inc., Vernon, Ill. Apparatus for coking liquid residuums. 2,028,166; Jan. 21.

Premier-Waters Products Co. (See Yeager, Anton J., assignor.)

Prestage, Edwin, London, England. Plate heat exchanger. 2,028,543; Jan. 21.

Prodromou, George, and M. Prodromou, Winston-Salem, N. C. Trimmer. 2,028,686; Jan. 21.

Prodromou, Marcus. (See Prodromou, George and M.)

Prosperity Company Inc., The. (See Davis, Ernest, assignor.)

Pusey, John R. (See Todd, Guy A., assignor.)

Pym, Arthur F., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping shoe uppers. 2,028,147; Jan. 21.

Pym, Arthur F., Swampscott, and W. B. Scarlett, Lynn, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 2,028,351; Jan. 21.

Pym, Arthur F., executor. (See Pym, Charles F.)

Pym, Charles F., deceased, Beverly, Mass., by A. F. Pym, Swampscott, Mass., executor, assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 2,028,245; Jan. 21.

Quickthe (1928) Limited. (See Thomas, Sydney H., assignor.)

Rabe, Hans, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Fluorescent substance. 2,028,472; Jan. 21.

Radio Corporation of America. (See Franklin, C. S., and Witt, assignors.)

Radio Corporation of America. (See Snow, Harold A., assignor.)

Ramage, William H. (See Perry, J. E., and Ramage.)

Ragnarda, Edward D., Agawam, assignor to National Equipment Company, Springfield, Mass. Method and apparatus for handling starch in confectionery manufacture. 2,028,410; Jan. 21.

Rastridge, Edward A., Lebanon, Pa. Bung. 2,028,352; Jan. 21.

Raylite Trading Company. (See Brown, Joseph D., assignor.)

Read, Arthur, assignor to "Pouring Spouts Inc.," Portland, Oreg. Carton. 2,028,687; Jan. 21.

Redford, John H., Florissant, assignor to The American Brake Company, St. Louis, Mo. Brake rigging. 2,028,823; Jan. 21.

Rehder, Henry E. and C. H. Crame, Denver, Colo. Child's toilet seat. 2,028,568; Jan. 21.

Reilly, Frank C., New York, N. Y. Electric sign controller. 2,028,521; Jan. 21.

Reis, Curt P., Beloit, Wis., assignor to Fairbanks, Morse & Company, Chicago, Ill. Laminated structure. 2,028,417; Jan. 21.

Rice, Alexander, Brooklyn, assignor to Juxto-Display Corporation, New York, N. Y. Display device. 2,028,522; Jan. 21.

Rich, Paul C., assignor to Vapor Treating Processes Inc., Los Angeles, Calif. Treating metallic salt solutions. 2,028,473; Jan. 21.

Richardson, Robert P. (See Griffin, H. F., and Richardson.)

Richeson, Sanford E. (See Howard, J., and Richeson.)

Rider, Theodore H., and H. Shelton, Marlemont, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Preparing benzoyl peroxide. 2,028,246; Jan. 21.

Riegel Textile Corporation. (See Gray, Deckard J., assignor.)

Ritchie, William S., Winnipeg, Manitoba, Canada. Collapsible bridge table. 2,028,726; Jan. 21.

Ritter, Julius, Jr., assignor to Hartman Truck Company, Racine, Wis. Man's hat box for wardrobe trunks. 2,028,247; Jan. 21.

Roberge, Charles, Williamsburg, Mass. Bubbler tip. 2,028,417; Jan. 21.

Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Salt Lake City, Utah. Grid lining for centrifugal baskets. 2,028,166; Jan. 21.

Roberts, William W., assignor of one-half to C. J. Seebach, Baltimore, Md. Frame corner structure. 2,028,353; Jan. 21.

Roberts, William T. H., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machines. 2,028,249; Jan. 21.

Robinson, Garland P., Glen Ridge, N. J., assignor to American Locomotive Company, New York, N. Y. Flexible staybolt construction for boilers. 2,028,474; Jan. 21.

Robinson, Preston and C. Shagg, assignors to Sprague Specialties Co., North Adams, Mass. Electrolytic device. 2,028,544; Jan. 21.

Rockwell, Edward A., Chicago, Ill., assignor to Patent Engineering Corporation. Light conversion system. 2,028,475; Jan. 21.

Rodrigues, Gabriel C. (See Geline, F. S., Rodrigues, and Soares de Dona Rapeta.)

Roe, Walter H., assignor to The National Machinery Company, Tiffin, Ohio. Adjustable die holder. 2,028,554; Jan. 21.

Rogers, George H., Moreton, England. Apparatus for the manufacture of bricks or the like. 2,028,523; Jan. 21.

Rogers, Harry R., Wynnewood, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Apparatus for making castings. 2,028,634; Jan. 21.

Rose, Jacques, and K. Rubenstein, Paris, France. Garage for automobiles and the like. 2,028,476; Jan. 21.

Ross, Hans. (See Clingestein, H., Ross, and Heusner.)

Rosner, Adolph, Rockton, Ill., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,028,625; Jan. 21.

Ross, Archibald S. (See Monk, R. H., and Ross.)

Ross, George H., Brooklyn, N. Y. Damper control system. 2,028,249; Jan. 21.

Rössner, Alois, Brunn, Czechoslovakia, assignor to Ruths International Accumulators Limited, London, England. Soot blower. 2,028,250; Jan. 21.

Royal Typewriter Company. (See Handley, George F., assignor.)

Rubinstein, Kurt. (See Rosse, J., and Rubinstein.)

Rugg, Walter S., Pittsburgh, and A. Palmros, Zelienople, Pa. Ballast cleaning apparatus. 2,028,686; Jan. 21.

Rumple, James M., St. Louis, Mo., assignor to Chemical Construction Corporation, New York, N. Y. Production of SO_3 from acid sludge. 2,028,725; Jan. 21.

Rupp, Raymond C., Kendallville, Ind. Hook holder for fish poles. 2,028,477; Jan. 21.

Ruppricht, Siegfried, New York, N. Y. Refrigerating system. 2,028,566; Jan. 21.

Ruscetta, Ralph A. (See Clark, F. M., and Ruscetta.)

Rust, Joseph, Peabody, assignor to Hygrade Sylvania Corporation, Salem, Mass. Bulb spraying device. 2,028,253; Jan. 21.

Ruths International Accumulators Limited. (See Rossner, Alois, assignor.)

Ryan, Commodore D., assignor to National Postal Meter Company, Los Angeles, Calif. Printing machine. 2,028,294; Jan. 21.

Sackett, Augustus J., Anne Arundel County, Md. Aerating apparatus for fertiliser and the like. 2,028,413; Jan. 21.

Saco-Lowell Shops. (See Curley, R. S., and Shaw, assignors.)

Sahlberg, Ralf K. O., New York, N. Y. Composite beam. 2,028,169; Jan. 21.

Sauli, Louis, Brooklyn, N. Y. Needle guard attachment for sewing machines. 2,028,524; Jan. 21.

Saunders, James A., et al. (See Sweek, William O., assignor.)

Saxby, Robert N., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Automatic switch for use in telephone or like systems. 2,028,680; Jan. 21.

Scarlett, William E. (See Pym, A. F., and Scarlett.)

Schaaner, Joseph and D. B. Andrews, Kankakee, Wis. Washer for mugs, glasses, etc. 2,028,690; Jan. 21.

Schenk, Bernard H., assignor to The Viking Corporation, Chicago, Ill. Packaging artificial sausage casings and product. 2,028,691; Jan. 21.

Schleicher, Manfred, Berlin-Charlottenburg, and L. Brandenburger, Berlin-Halensee, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Remote control device. 2,028,626; Jan. 21.

Schmidt, Frederic E., Crestwood, N. Y., assignor to American Telephone and Telegraph Company. Lock. 2,028,525; Jan. 21.

Schneider, Heinrich, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Fluid displacement device. 2,028,414; Jan. 21.

Schrader, Lee W., Elizabeth, N. J., assignor to Standard Oil Development Company. Foam retarding tube. 2,028,295; Jan. 21.

Schreier, Max L., Brooklyn, N. Y. Convertible garment. 2,028,356; Jan. 21.

Schroeder, Levyn R., St. Louis, Mo. Rotary drilling apparatus. 2,028,478; Jan. 21.

Schulman, Henry, Pangbourne, England. Rotary internal combustion engine. 2,028,520; Jan. 21.

Schumag Schumacher Metallwerke Aktiengesellschaft für Präzisionsmechanik. (See Mather, Josef, assignor.)

Schwartz, Edward J., Wilkinsburg, Pa. Fruit jar holder. 2,028,415; Jan. 21.

Schwarze Electric Company. (See Middleton, Leslie H., assignor.)

Scott, Walter I. and L. H. Foster, New Orleans, La. Spark plug scraper. 2,028,170; Jan. 21.

Seebach, Charles J. (See Roberts, William F., assignor.)

Seidenfaden, Wilhelm. (See Eitscher, A., and Seidenfaden.)

Seipel, Harry C. and P. A. Yerger, Easton, Pa. Cup holder. 2,028,500; Jan. 21.

Sergeson, Allan M., Philadelphia, and D. B. Meehan, Aston Mills, Pa. Yarn tensiom for automatic shuttles. 2,028,693; Jan. 21.

Sessions, Royal L. (See Mitchell, T. A., and Sessions.)

Shann, Oscar A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Lock. 2,028,171; Jan. 21.

Sharp, John A., Marshall, Tex. Automatic release valve. 2,028,693; Jan. 21.

Shaw William. (See Curley, R. S., and Shaw.)

Sheboygan Chair Company. (See Braasch, Frederick W., assignor.)

Sheller, Samuel H., Marion, Pa., assignor of one-half to George R. Hamlin, Washington, D. C. Cap for fruit basket covers. 2,028,567; Jan. 21.

Shelton, Robert. (See Rider, T. H., and Shelton.)

Sherman, John Q. Dayton, Ohio. Paper feed for typewriter billing machines. 2,028,387; Jan. 21.

Sherron, Percival H., Jamaica, N. Y. Telephone booth. 2,028,627; Jan. 21.

Sherron, Percival H., Jamaica, N. Y. Telephone booth. 2,028,628; Jan. 21.

Sherzer, Allen F., Ann Arbor, Mich. Pump. 2,028,389; Jan. 21.

Sherzer, Allen F., Ann Arbor, Mich. Pump. 2,065,389; Jan. 21.

Shoemaker, Milton J. Madison, Wis., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y. Removing water of solution. 2,028,396; Jan. 21.

Shoonard, Harold W., Montclair, N. J. Handrail for moving stairways. 2,028,336; Jan. 21.

Shugg, Carleton. (See Robinson, P., and Shugg.)

Siemens & Halske Aktiengesellschaft. (See Schleicher, M., and Brandenbruger, assignors.)

Silsby, Charles F., White Plains, assignor to General Chemical Company, New York, N. Y. Manufacture of sulphuric acid. 2,028,418; Jan. 21.

Simmen, Oscar, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Internal combustion engine in which the fuel is produced. 2,028,577; Jan. 21.

Simon, Walter. (See Pier, M., Simon, and Kroenig.)

Sinclair Prairie Oil Company. (See Parker, William F., assignor.)

Sine, George, Columbus, Ohio. Wrapping tape. 2,028,281; Jan. 21.

Sipe, Harry E., New York, N. Y. Metal fastener. 2,028,528; Jan. 21.

Skar, John O. L., assignor to Art Metal Construction Company, Jamestown, N. Y. Shelf. 2,028,417; Jan. 21.

Slater, Fred M., Beacon, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotation mechanism. 2,028,251; Jan. 21.

Smith, Clifford D., Fairlawn, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Wheel for railcars. 2,028,707; Jan. 21.

Smith, Clyde, near Hopkinsville, Ky., assignor to International Communications Laboratories Incorporated, New York, N. Y. Calculating mechanism. 2,028,15; Jan. 21.

Smith, James C., and J. S. Taylor assignors to Ivanse Tool Company, Tulsa, Okla. Well cleanout tool. 2,028,418; Jan. 21.

Smith, Joseph E., Jr. (See Channing, L. H. E., and Smith, Jr.)

Smith, L. C., & Corona Typewriters, Inc. (See Christenson, Carl, assignor.)

Smith, Stanton T., Detroit, Mich. Automatic locking device. 2,028,629; Jan. 21.

Smulski, Theodore J., assignor to The Anderson Company, Gary, Ind. Electric control system. 2,028,570; Jan. 21.

Smulski, Theodore J., assignor to The Anderson Company, Gary, Ind. Electric control system. 2,028,571; Jan. 21.

Snap-on Tools, Inc. (See Stiger, Emil F. assignor.)

Snow, Harold A., Mountain Lakes, N. J., assignor to Radio Corporation of America. Automatic volume control circuits. 2,028,362; Jan. 21.

Société Anonyme, F. A. C. A. (See Blanchet, P., and Tillie, assignors.)

Societe Anonyme Le Carbone. (See Oppenheim, René, assignor.)

Société d'Electrochimie, d'Electrometallurgie et des Aciéries Electriques d'Ugine. (See Bornhauser, Oscar, assignor.)

Society Compagnie de Chauffage Central par le Vide. (See Lavergne, Jean, assignor.)

Society of Chemical Industry in Basle. (See Ackermann, Franz, assignor.)

Socony-Vacuum Corporation. (See Story, B. W., and Fuller, assignors.)

Soley, William G. (See Bonner, R. G., and Soley.)

Southern Brighton Mills. (See Kelly, Timothy J., assignor.)

Spafford, Allan L., Cloquet, assignor to The Wood Conversion Company, Cloquet, Minn. Insulation pad and construction. 2,028,353; Jan. 21.

Sperry, Lute H., Hopewell City, Va., assignor to Hercules Powder Company, Wilmington, Del. Apparatus for the continuous treatment of fibrous materials. 2,028,47; Jan. 21.

Spicer, Clarence W., Toledo, Ohio. Conveyor for heat treating furnaces. 2,028,479; Jan. 21.

Spinks, Joseph M., Atlanta, Ga. Holder for toilet articles. 2,028,624; Jan. 21.

Sprague Specialties Co. (See Robinson, P., and Shugg, assignors.)

Sprint, Isaac W., Whitehouse, assignor to The Logan Gear Company, Toledo, Ohio. Pump. 2,028,360; Jan. 21.

Square D Company. (See Van Valkenburg, Harmon L., assignor.)

Squires, John, Hagerstown, Md. Apparatus for balancing propeller blades. 2,028,254; Jan. 21.

Stadler, Robert. (See Wilke, W., Stadler, and Lappe.)

Stålhane, Johan B., Stockholm, assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden. Arsenate cement or cement mixture. 2,028,429; Jan. 21.

Standard Alcohol Company. (See Archibald, F. M., and Beamer, assignors.)

Standard Alcohol Company. (See Le Barre, Robert F., assignor.)

Standard-I. G., Company. (See Pier, M., Simon, and Kroenig, assignors.)

Standard Oil Development Company. (See Anderson, Richard D., assignor.)

Standard Oil Development Company. (See Bird, John C., assignor.)

Standard Oil Development Company. (See Hanks, W. V., Freyermuth, and Potts, assignors.)

Standard Oil Development Company. (See Kalichevsky, Vladimir, assignor.)

Standard Oil Development Company. (See Kuhl, Paul E., assignor.)

Standard Oil Development Company. (See Lewis, Warren K., assignor.)

Standard Oil Development Company. (See Schrader, Lee W., assignor.)

Standard Oil Development Company. (See Starr, J. V., and Edwards, assignors.)

Standard Oil Development Company. (See Turner, Luther B., assignor.)

Standard Oil Development Company. (See Wiesevich, Peter J., assignor.)

Stark, Julian H., Fort Wayne, Ind., assignor to General Electric Company. Coin time switch system. 2,028,630; Jan. 21.

Starr, John V., and D. F. Edwards, Elizabeth, N. J., assignors to Standard Oil Development Company. Producing lubricating oils. 2,028,261; Jan. 21.

Steele, James R. (See Moore, C. L., and Steele.)

Steinbach, Harry, Sunnyside, assignor to Rex Beach, New York, N. Y. Self-fertilising flowerpot. 2,028,256; Jan. 21.

Steiner, Leo, Budapest, Hungary. Clamping buckle. 2,028,530; Jan. 21.

Steinmayer, Alwin O., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Single insulator fuse mounting. 2,028,421; Jan. 21.

Sterling Corporation, The. (See Flamming, J., Bowyer and Ernst, assignors.)

Stevens, Daniel E., and R. S. Wolf, Chicago, Ill. Sterilising device. 2,028,256; Jan. 21.

Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Method and apparatus for shaping tires and mounting expansible cores therein. 2,028,696; Jan. 21.

Stevens, Roy E., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,028,551; Jan. 21.

Stewart, Carlton D., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Trip cock device. 2,028,736; Jan. 21.

Stockdale, Harry C., Ravenna, Ohio, assignor to Food Machinery Corporation, San Jose, Calif. Apparatus for bagging rollable articles. 2,028,297; Jan. 21.

Story, Bertrand W., Paulsboro, and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Corporation, New York, N. Y. Mineral oil composition. 2,028,297; Jan. 21.

Strausbach, Arlington S. (See Brown, J. E., and Strausbach.)

Strong, Harry H., Toledo, Ohio. Arc regulator. 2,028,572; Jan. 21.

Stuebing, William, Jr., Cincinnati, Ohio, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Multiple stage lifting truck. 2,028,708; Jan. 21.

Stüsser, Richard, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Water-insoluble azodyestuffs. 2,028,480; Jan. 21.

Suarez de Deza Zapata, Rafael. (See Celso, F. A., Rodrigues and Suarez de Deza Zapata.)

Submarine Signal Company. (See Turner, Edwin E., Jr., assignor.)

Sucharski, Chester J., South Milwaukee, and A. W. Lee, Racine, Wis. Radiator. 2,028,298; Jan. 21.

Sulzer Frères Société Anonyme. (See Egloff, Hans C., assignee.)

Sulzer Frères, Société Anonyme. (See Simmen, Oscar, assignor.)

Surmann, Johannes R., Berlin-Schlachtensee, Germany. Device for storing eggs or the like. 2,028,258; Jan. 21.

Sutteer, Robert E., Riverside, Ill., assignor of one-half to L. D. Matchette, Milwaukee, Wis. Liner for a brake drum and making the drum. 2,028,979; Jan. 21.

Swan, Hylton, Upper Montclair, and S. Higgins, Verona, N. J., assignors to Bakelite Corporation, New York, N. Y. Printing plate. 2,028,709; Jan. 21.

Swan, Hylton, Upper Montclair, and S. Higgins, Verona, N. J., assignors to Bakelite Corporation, New York, N. Y. Printing plate. 2,028,710; Jan. 21.

Swan, Hylton, Upper Montclair, and S. Higgins, Verona, N. J., assignors to Bakelite Corporation, New York, N. Y. Printing plate. 2,028,711; Jan. 21.

Swan, Hylton, Upper Montclair, and S. Higgins, Verona, N. J., assignors to Bakelite Corporation, New York, N. Y. Printing plate. 2,028,712; Jan. 21.

Sweek, William O., Phoenix, assignor of one-fifth to W. T. McGeorge, Tucson, one-fifth to J. S. Benroth, Phoenix, Ariz., one-fifth to J. A. Saunders, Washington, D. C., and one-fifth to H. H. Porter, Clarendon, Va. Irrigating and fertilising plants. 2,028,172; Jan. 21.

Swinton, David S., Detroit, Mich., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Spring leaf spacer. 2,028,290; Jan. 21.

Synchrome Corporation. (See Wright, Walter L., assignor.)

Talbot, Howard H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Reel. 2,028,423; Jan. 21.

Taylor, Charles L., Biglerville, Pa. Apple packing device. 2,028,800; Jan. 21.

Taylor, Charles L., Biglerville, Pa. Shipping crate. 2,028,801; Jan. 21.

Taylor, George E., Westfield, N. J., assignor to General Chemical Company, New York, N. Y. Manufacture of phosphates. 2,028,632; Jan. 21.

Taylor, James S. (See Smith, J. C., and Taylor.)

Taylor, James S., Tulsa, Okla. Oil well tubing wrench. 2,028,787; Jan. 21.

Tears, Claude F., Mountain Lakes, N. J., assignor to The Petroleum Processes Corporation, Wichita, Kans. Pump for compressed liquefied gases. 2,028,531; Jan. 21.

Telefonaktiebolaget L. M. Ericsson. (See Ekman, Olof I. H., assignor.)

Telergister Corporation, The. (See Whitney, Charles S., assignor.)

Teletype Corporation. (See Zenner, Walter J., assignor.)

Tesaky, Karl, Esslingen, Germany. Automatic lathe. 2,028,362; Jan. 21.

Textile Machine Works. (See Krismer, Max, assignor.)

Tharp, Charles W., et al. (See McDowell, John, J. F., and E., assignors.)

Theil, John F., Needham, assignor to American Tool and Machine Company, Hyde Park, Mass. Steady bearing for centrifugal separators. 2,028,780; Jan. 21.

Thomas, Eva E., executrix. (See Thomas, Sydney E.)

Thomas, Lurielle A. (See Thomas, Richard H., assignor.)

Thomas, Richard H., assignor to Lurielle A. Thomas, Oak Park, Ill. Control for radiators. 2,028,178; Jan. 21.

Thomas, Sydney E., deceased, late of Hounslow, England, by E. E. Thomas, Hounslow, England, executrix, assignor to Quickthe (1923) Limited, Wandsworth, England. Seat. 2,028,683; Jan. 21.

Thomson, John, Buffalo, N. Y. Liquid dispensing apparatus. 2,028,302; Jan. 21.

Thompson, Oscar, et al. (See McDowell, John, J. F., and E., assignors.)

Tillie, Gaston. (See Blanchet, P., and Tillie.)

Timm, Paul C. and W. P., Lincoln, Nebr. Automatic furnace heat regulator. 2,028,363; Jan. 21.

Timm, William P. (See Timm, Paul C. and W. P.)

Tobin, Kenneth J., and C. E. Hilind, Chicago, Ill., assignors, by mesne assignments, to Evans Products Company, Detroit, Mich. Railway freight car construction. 2,028,574; Jan. 21.

Toeplitz, Richard. (See Nietzel, J. A., and Toeplitz.)

Torigian, John, Queens Village, assignor to The Drug Products Co. Inc., Long Island City, N. Y. Colloidal copper solution. 2,028,575; Jan. 21.

Trans-Lux Daylight Picture Screen Corporation. (See Curtis, Kenneth L., assignor.)

Trelogger, Wilfred C., Breckenhurst, England. Cable and rope winding appliances such as winches and hoists. 2,028,532; Jan. 21.

Tucker, Carl W., and F. Derrill, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Method of distillation. 2,028,481; Jan. 21.

Tucker, George R., North Andover, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Sulphur dispersion. 2,028,482; Jan. 21.

Turner, Edwin E., Jr., West Roxbury, Mass., assignor to Submarine Signal Company, Boston, Mass. Distance and depth finding. 2,028,174; Jan. 21.

Turner, Harold H. (See Johnston, E. A., Bryan, and Turner.)

Turner, Luther B., Elizabeth, N. J., assignor to Standard Oil Development Company. Production of organic disulphides. 2,028,308; Jan. 21.

Union Switch & Signal Company, The. (See Fisher, Arthur W., assignor.)

Union Switch & Signal Company, The. (See Gilson, Robert M., assignor.)

Union Switch & Signal Company, The. (See Williamson, Arba G., assignor.)

United Aircraft Corporation. (See Gluhareff, Michael E., assignor.)

United Air Lines Transport Corporation. (See Hiscock, Thorp, assignor.)

United-Carr Fastener Corporation. (See Hatch, Charles W., assignor.)

United-Carr Fastener Corporation. (See Hayden, Lester N., assignor.)

United-Carr Fastener Corporation. (See Johnson, Gustav, W., assignor.)

United Engineering & Foundry Company. (See Talbot, Howard H., assignor.)

United Shoe Machinery Corporation. (See Dow, Harry E., assignor.)

United Shoe Machinery Corporation. (See Pym, Arthur F., assignor.)

United Shoe Machinery Corporation. (See Pym, Charles F., assignor.)

United Shoe Machinery Corporation. (See Pym, A. F., and Scarlett, assignors.)

United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
United States Envelope Company. (See Nevitt, Abraham, assignor.)
United States Finishing Company. (See Cady, George H., assignor.)
United States Rattan Corporation. (See Paul, John R., assignor.)
Upham, Gilbert R., Churchville, Pa., assignor to The DeLong Hook and Eye Company. Nonseparable fastener. 2,028,423; Jan. 21.
Utility Electric and Machine Works, Inc. (See Berry, Joseph C., assignor.)
Valley Forge Cement Company. (See Brazerwood, Charles H., assignor.)
Valley Mould and Iron Corporation. (See Perry, J. E., and Ramage, assignors.)
Van Dillen, Albert, Amsterdam, Netherlands. Door-closing device. 2,028,624; Jan. 21.
Van Dyke, John W., Philadelphia, Pa. Pipe section protection. 2,028,570; Jan. 21.
Van Valkenburg, Hermon E., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Automatic control system for electric motors. 2,028,520; Jan. 21.
Van Yahres, George, Westbury, N. Y. Turf tool. 2,028,483; Jan. 21.
Vapor Treating Processes, Inc. (See Rich, Paul C., assignor.)
Vernet, Sergius, Brooklyn, N. Y., assignor to Foster-Vernay Corporation, Pittsburgh, Pa. Car heater. 2,028,260; Jan. 21.
Vernet, Sergius, Brooklyn, N. Y., assignor to Foster-Vernay Corporation, Pittsburgh, Pa. Automatic control for vapor heating systems. 2,028,261; Jan. 21.
Vines, Antonius J., Manhasset, N. Y. Film holder and hanger. 2,028,242; Jan. 21.
Vincenzoni, Alvaro, Rome, Italy. Speed transmission mechanism. 2,028,577; Jan. 21.
Visiting Corporation, The. (See Schenk, Bernard H., assignor.)
Vogl, Albert L., et al. (See Low, Albert H., assignor.)
Vuccino, Albert A., New York, N. Y. Ash tray. 2,028,204; Jan. 21.
Waddell, James, Metuchen, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing anthrachitic substances. 2,028,364; Jan. 21.
Wagner Electric Corporation. (See Brunner, Albert, assignor.)
Wagner, Noah E., Tulsa, Okla., assignor to The Linde Air Products Company. Method and apparatus for cutting metals. 2,028,425; Jan. 21.
Waite, Sheridan C., Springville, N. Y. Dispensing tube. 2,028,178; Jan. 21.
Walker, Brooks, Oakland, Calif. Fluid pump packing. 2,028,634; Jan. 21.
Wallis, John S., and S. B. de Bence, assignors to Alco Products, Incorporated, New York, N. Y. Tube still and furnace construction. 2,028,306; Jan. 21.
Walworth Patents, Inc. (See Baird, Francis N., assignor.)
Wangelin, Donald A., Rock Island, assignor to Deere & Company, Moline, Ill. Rotary hoe. 2,028,365; Jan. 21.
Wappler, Frederick C., New York, N. Y. Fumigated surgical instrument. 2,028,635; Jan. 21.
Ward, Jake W., et al. (See McDowell, John, J. F., and E., assignors.)
Warren, Jay F., Detroit, Mich., assignor to The American Rolling Mill Company, Middletown, Ohio. Leveling and shipping sheet metal. 2,028,368; Jan. 21.
Warrick, Charles F., assignor to Bender Warrick Corporation, Detroit, Mich. Electrical indicating device. 2,028,243; Jan. 21.
Weibel, Alexander R., and W. Jones, Aliquippa, assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Tin pot feeder. 2,028,806; Jan. 21.
Wellman Engineering Company, The. (See Gibson, Alfred E., assignor.)
Wernicke, Hugo H., Villa Park, assignor to Belden Manufacturing Company, Chicago, Ill. Electric connector. 2,028,387; Jan. 21.
Western Electric Company. (See Cherry, George L., assignor.)
Western Electric Company. (See Lawson, Homer W., assignor.)
Western Geophysical Company. (See Johnson, Earle W., assignor.)
Western States Machine Company, The. (See Roberts, Eugene, assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Stevens, Roy E., assignor.)
Westinghouse Air Brake Company, The. (See Stewart, Charlton D., assignor.)
Westinghouse Lamp Company. (See McGowan, Michael E., assignor.)
Wettstein, Fritz A., Lidingo, assignor to Aktiebolaget Spontan, Stockholm, Sweden. Turbine blade. 2,028,553; Jan. 21.
White, William M., Milwaukee, Wis. Hydraulic turbine. 2,028,505; Jan. 21.
White, William M., Milwaukee, Wis. Impulse turbine bucket. 2,028,506; Jan. 21.
Whitehead, Owen, et al. (See Lear, Albert H., assignor.)
Whitehead & Kales Company. (See Judd, Irving H., assignor.)
Whiteside, Howard A., New York, N. Y. Scrub rigging and end cap assembly for surgical sutures and the like. 2,028,178; Jan. 21.
Whitney, Charles S., Brooklyn, assignor to The Telautograph Corporation, New York, N. Y. Perforator. 2,028,364; Jan. 21.
Wiedeke, Gustav, Oakwood, assignor to Gustav Wiedeke Company, Dayton, Ohio. Tube cutter. 2,028,018; Jan. 21.
Wiedeke, Gustav, Company. (See Wiedeke, Gustav, assignor.)
Wiesevich, Peter J., Elizabeth, N. J., assignor to Standard Oil Development Company. Preparing cumene. 2,028,397; Jan. 21.
Wilke, Wilhelm, Mannheim, E. Stadler, Hegenheimer, and F. Lappe, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Fuel for Diesel engines. 2,028,308; Jan. 21.
Wilkinson, George D., Chicago, and E. D. Fellowgis, Des Plaines, Ill., assignors to Cribben & Sexton Company, Chicago, Ill. Range. 2,028,426; Jan. 21.
Williams, James H., assignor to General Fire Extinguisher Company, Providence, R. I. Valve or drain plug. 2,028,177; Jan. 21.
Williamson, Arba G., Carnegie, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 2,028,370; Jan. 21.
Wilson, James C., Pawnee, Ill. Reversible mounting for trolley wheels. 2,028,637; Jan. 21.
Wilson, William H. (See Land, C. H., and Wilson.)
Wilton, Sumner, Dearborn, Mich. Fuel pump. 2,028,371; Jan. 21.
Winans, Frederick W., Cleveland, Ohio. Fluid pressure spray appliance. 2,028,205; Jan. 21.
Wiseman, Robert J., Patterson, assignor to the Ozonia Company, Passaic, N. J. Electric cable. 2,028,179; Jan. 21.
Witt, Bertram J. (See Franklin, C. S., and Witt.)
Wolf, Robert H. (See Sterrett, F. S., and Wolf.)
Wood Conversion Company, The. (See Spafford, Allen L., assignor.)
Woodruff, Lewis F., Brighton, Mass., and M. L. Nelson, Park Ridge, Ill., said Nelson assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., and said Woodruff assignor to General Records Inc., Chicago, Ill. Means for controlling sheet perforating machines. 2,028,635; Jan. 21.
Wright, Jesse C., Los Angeles, assignor to Globe Oil Tools Company, Los Nietos, Calif. Well drilling tool. 2,028,570; Jan. 21.
Wright, Walter L., assignor to Synchromy Corporation, Santa Monica, Calif. Motion picture projector. 2,028,484; Jan. 21.
Wright, Walter L., assignor to Synchromy Corporation, Santa Monica, Calif. Optical system and automatic control for the same. 2,028,485; Jan. 21.
Wunderlich, William R., assignor to The Moore Company, Muncie, Ind. Bed davenport. 2,028,426; Jan. 21.
Wyant, Clyde D., Manistique, Mich., assignor to Inland Lime and Stone Company. Desulphidization of magnesian dolomites. 2,028,638; Jan. 21.
Yale & Towne Manufacturing Company, The. (See Stebing, William, Jr., assignor.)
Yeager, Anton J., assignor to Preston-Wabers Products Co., Wisconsin Rapids, Wis. Vapor stove construction. 2,028,272; Jan. 21.
Yodd, Guy A., assignor of one-half to J. R. Furey, Oakland, Calif. Suction nozzle. 2,028,530; Jan. 21.
Yerger, Paul A. (See Bridel, H. C., and Yerger.)
Youngstown Steel Door Company, The. (See Lois, Carl, assignor.)
Zahnradfabrik Friedrichshafen Aktiengesellschaft. (See Maier, Albert, assignor.)
Zaiger, Louis, Lynn, Mass. Suction cup. 2,028,640; Jan. 21.
Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Motor control. 2,028,641; Jan. 21.
Zimdars, Emil, Green Bay, Wis. Safety signal. 2,028,457; Jan. 21.
Zinkil, Roy H., Oak Park, assignor to Crane Co., Chicago, Ill. Valve. 2,028,581; Jan. 21.
Zitscher, Arthur and W. Seidenfaden, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of 4-aminodiphenylamine derivatives and intermediates obtained thereby. 2,028,873; Jan. 21.
Zworykin, Vladimir, Haddonfield, N. J., assignor to Hazeltine Analysis Corporation, Long Island City, N. Y. Magnetic analysis. 2,028,486; Jan. 21.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Belt, Sanitary napkin. R. B. Stotter. 19,830; Jan. 21.
Car, Drop side container. O. C. Woodruff. 19,831; Jan. 21.
Chamber heating device, Combustion. M. S. Hall. 19,835; Jan. 21.
Engines, Attachment for internal combustion. L. H. Monsinger, Jr., and A. L. Riker. 19,836; Jan. 21.
Knitting machine. W. Lawton. 19,837; Jan. 21.
Pump. M. D. Abramstein. 19,838; Jan. 21.
Slicing machine. C. T. Walter. 19,850; Jan. 21.
Vehicle provided with four independent wheels, Motor. R. J. Devillers. 19,852; Jan. 21.
Wireless transmission system. J. H. Rubenstein. 19,894; Jan. 21.

LIST OF PLANT INVENTIONS

Cherry variety, M. Gerber. 104; Jan. 21.
Rose. A. F. Watkins. 102–3; Jan. 21.

LIST OF DESIGN INVENTIONS

Apron or similar article. E. O. Langston. 98,261; Jan. 21.
Blind and housing therefor, Combined Venetian. P. H. Kuyper. 98,260; Jan. 21.
Blouse. L. Geist. 98,245; Jan. 21.
Blouse. B. Hyman. 98,264; Jan. 21.
Bottle. F. McIntosh. 98,270; Jan. 21.
Bowl, Shaving. J. Manolas. 98,266; Jan. 21.
Box. F. McIntosh. 98,271; Jan. 21.
Box, Match. G. W. Sandberg. 98,279; Jan. 21.
Box or the like, Candy. E. A. Cohen. 98,267; Jan. 21.
Building. G. B. Brumbaugh. 98,210; Jan. 21.
Button. L. B. Carley. 98,221; Jan. 21.
Cap or analogous closure for bottles. R. Capey. 98,220; Jan. 21.
Cap, Sheet metal soap fastener. M. S. Blanchard. 98,200; Jan. 21.
Case, Jewelry display. L. Flier. 98,244; Jan. 21.
Case or similar article, Show. R. H. Marr. 98,267; Jan. 21.
Clip, Fountain pen and pencil. D. Kahn. 98,258; Jan. 21.
Coaster. M. Lee. 98,262; Jan. 21.
Coat. M. E. Davis. 98,229; Jan. 21.
Coat. J. N. Feuer. 98,242; Jan. 21.
Coat. M. Kolmer. 98,259; Jan. 21.
Coat. J. Lefterman. 98,264; Jan. 21.
Comb. J. J. Kohlmeyer. 98,257; Jan. 21.
Crucifix, Illuminated. R. King. 98,256; Jan. 21.
Cup, Trophy. G. C. De Hart. 98,240; Jan. 21.
Dress. M. Muller. 98,287; Jan. 21.
Dress, Ensemble. H. Schwartz. 98,277; Jan. 21.
Fabric, Textile. C. R. Forstman. 98,246; Jan. 21.
Game board. T. C. Chi. 98,232; Jan. 21.
Goblet. J. B. Clark. 98,236; Jan. 21.
Gum massager. P. L. Hemp. 98,252; Jan. 21.
Hair drier apparatus, Multiple service. C. W. Reesten. 98,208; Jan. 21.
Handbag. M. White. 98,285; Jan. 21.
Handle for a pot or the like. I. D. Richheimer and J. Magin. 98,276; Jan. 21.
Lamp, Wall bracket. O. G. Hildebrand. 98,253; Jan. 21.
Lid for a container. R. Capey. 98,229; Jan. 21.
Lighter, Cigarette and cigar. I. Fierman. 98,245; Jan. 21.
Lubricating unit. B. M. Stephens. 98,278; Jan. 21.
Medal. H. McCullough. 98,209; Jan. 21.
Nozzle, Hose. H. A. Kramer. 98,250; Jan. 21.
Panel and bezel for ash receivers, Combined face. J. Visser. 98,282–3; Jan. 21.
Pencil, Mechanical. J. P. Lynn. 98,265; Jan. 21.
Piano. G. L. Miller. 98,272–3; Jan. 21.
Plate or similar article. Y. Buma. 98,211–26; Jan. 21.
Pouch, Pencil. H. Hassenfeld. 98,250–1; Jan. 21.
Radiocabinet. R. L. Chipman, Jr. 98,232–5; Jan. 21.
Reflector or similar lighting fixture. W. Wilson. 98,286; Jan. 21.
Shield for tool grinders or similar article, Safety. R. E. Tuntz. 98,280; Jan. 21.
Shoe. W. H. Ebling. 98,241; Jan. 21.
Shoe. F. W. Ochs. 98,275; Jan. 21.
Stand and containers therefor, Combined manicure. A. A. Finster. 98,243; Jan. 21.
Stand and dispensing cabinet for gummed tape, string, and elastic bands, Combination display. D. A. McCowan. 98,268; Jan. 21.
Stove. A. K. Weishittel. 98,284; Jan. 21.
Suit. J. Lefterman. 98,263; Jan. 21.
Tag. A. H. Thorwes. 98,281; Jan. 21.
Toaster. A. F. Fuksl. 98,247; Jan. 21.
Tray, Ash. R. G. Cowan. 98,238; Jan. 21.
Tray or similar article, Ash. A. J. Ackerman. 98,207; Jan. 21.
Washing machine and drier, Combined. C. F. Morgenstern. 98,274; Jan. 21.
Washstand. J. A. Callahan. 98,227–8; Jan. 21.
Watch crystal. J. Goldblatt. 98,249; Jan. 21.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21st DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive wheel and making the same. R. C. Benner and W. G. Soley. 2,028,183; Jan. 21.
Acid by the contact process, Production of sulphuric. C. R. Clark. 2,028,723; Jan. 21.
Acid, Manufacture of sulphuric. C. F. Slibby. 2,028,416; Jan. 21.
Acid, Production of concentrated nitric. E. Lilacher. 2,028,402; Jan. 21.
Acoustic materials. H. D. Arnold. 2,028,180; Jan. 21.
Adjustable bearing. A. I. Murdock. 2,028,554; Jan. 21.
Adjustable die holder. W. H. Roe. 2,028,354; Jan. 21.
Aerating apparatus for fertiliser and the like. A. J. Sackett. 2,028,418; Jan. 21.
Airport control and signaling system. L. J. Leuh. 2,028,722; Jan. 21.
Alloy, Welding rod. H. W. Butterbaugh. 2,028,317; Jan. 21.
Aluminium, Electroplating of. O. Bornhauser. 2,028,312; Jan. 21.
Amusement device. H. Light. 2,028,676; Jan. 21.
Antenna system for microray signaling. A. G. Clavier. 2,028,498; Jan. 21.
Antiparasitic agent and agency. O. V. Huffman. 2,028,217; Jan. 21.
Antirachitic substances, Producing. J. Waddell. 2,028,264; Jan. 21.
Apple packing device. C. L. Taylor. 2,028,300; Jan. 21.
Arc regulator. H. H. Strong. 2,028,572; Jan. 21.
Armor block for water walls and the like. J. Blizard. 2,028,142; Jan. 21.
Articles, Apparatus for bagging rollable. H. C. Stockdale. 2,028,297; Jan. 21.
Atmospheric conditions, Modifying room. J. H. O'Brien. 2,028,682; Jan. 21.
Attachment for closing devices. S. M. Bishop. 2,028,269; Jan. 21.
Automatic release valve. J. A. Sharp. 2,028,693; Jan. 21.
Automobile. F. B. Bergholt. 2,028,184; Jan. 21.
Automobile brake, Automatic. C. F. Hahn. 2,028,305; Jan. 21.
Automobile transport. I. H. Judd. 2,028,547; Jan. 21.
Axle. L. D. Kay. 2,028,394; Jan. 21.
Azodyestuffs derived from benzocarbazoles, Waterinsoluble. W. Neelmeier and H. Morschel. 2,028,469; Jan. 21.
Azodyestuffs, Waterinsoluble. R. Stüsser. 2,028,490; Jan. 21.
Bag: *See*—
Hand bag.
Bag frame. W. C. Hiering. 2,028,216; Jan. 21.
Baggage. A. Levine and Harry Kaufman. 2,028,339; Jan. 21.
Ball-bearing for scientific instruments. H. Heine. 2,028,718; Jan. 21.
Ballast cleaning apparatus. W. S. Rugg and A. Palmros. 2,028,688; Jan. 21.
Bank attachment, Savings. H. S. Goodman. 2,028,323; Jan. 21.
Bathtub cover. A. M. Johnson. 2,028,454; Jan. 21.
Beam, Composite. B. K. O. Sahlberg. 2,028,169; Jan. 21.
Bearing: *See*—
Adjustable bearing. Spindle bearing.
Bearing for centrifugal separators, Steady. J. F. Tholl. 2,028,730; Jan. 21.
Bed davenport. W. B. Wunderlich. 2,028,496; Jan. 21.
Belt connecter. R. H. Kremer. 2,028,398; Jan. 21.
Belt conveyer. W. J. Mann. 2,028,281; Jan. 21.
Belt conveyer. J. T. Needham. 2,028,286; Jan. 21.
Belt conveyer system. J. T. Needham. 2,028,285; Jan. 21.
Benzoyl persulphide, Precaring. T. H. Rider and R. Shelton. 2,028,246; Jan. 21.
Bird cage seed guard frame. B. Kosvich. 2,028,612; Jan. 21.
Blower, Soot. A. Rösener. 2,028,250; Jan. 21.
Board: *See*—
Cloth board.
Bolts and the like, Producing. W. L. Clouse. 2,028,319; Jan. 21.
Boot, Heated. J. M. Pelosi. 2,028,247; Jan. 21.
Booth, Telephone. P. H. Sherron. 2,028,627–8; Jan. 21.
Box. E. R. Evans. 2,028,276; Jan. 21.
Box and making the same. C. B. Claff. 2,028,196; Jan. 21.
Box fastener. C. R. Gustafson and H. R. Holbrook. 2,028,661; Jan. 21.
Box for wardrobe trunks, Man's hat. J. Ritter, Jr. 2,028,247; Jan. 21.
Braiding carrier. M. Krissiep. 2,028,222; Jan. 21.
Braille writer. G. J. Miller and J. Hurliman. 2,028,516; Jan. 21.
Brake: *See*—
Automobile brake. Railway brake.
Fluid pressure brake.
Brake. W. L. Avery. 2,028,488; Jan. 21.
Brake. V. Bendix and L. B. La Brie. 2,028,663; Jan. 21.
Brake. L. B. La Brie. 2,028,618–4; Jan. 21.
Brake. A. Roemer. 2,028,625; Jan. 21.
Brake apparatus. R. J. Norton. 2,028,621; Jan. 21.
Brake for foot steered vehicles. L. Goldman. 2,028,449; Jan. 21.
Brake mechanism. R. A. Barrett and G. R. Perreault. 2,028,491; Jan. 21.
Brake mechanism for automotive vehicles. C. S. Bragg and V. W. Klingerath. 2,028,596; Jan. 21.
Brake rigging. J. R. Redford. 2,028,628; Jan. 21.
Brake valve device, Pedestal. E. R. Hewitt. 2,028,669; Jan. 21.
Bricks or the like, Apparatus for the manufacture of. G. R. Rogers. 2,028,523; Jan. 21.
Broiler. J. P. Conroy. 2,028,649; Jan. 21.
Brush rigging and end cap assembly for surgical motors and the like. H. A. Whiteside. 2,028,176; Jan. 21.
Bubbler tip. C. Roberge. 2,028,412; Jan. 21.
Bucket, Drag line. A. R. Gibson. 2,028,598; Jan. 21.
Bucket, Impulse turbine. W. E. White. 2,028,369; Jan. 21.
Buckle, Clamping. L. Steiner. 2,028,530; Jan. 21.
Building material, Apparatus for the manufacture of a composite. E. C. Loetscher. 2,028,616; Jan. 21.
Building structure, Miniature. H. F. Lehn. 2,028,229; Jan. 21.
Bulb spraying device. J. Rossi. 2,028,255; Jan. 21.
Bung. E. A. Rassbridge. 2,028,253; Jan. 21.
Burner. L. B. Hancock. 2,028,281; Jan. 21.
Butt-weld pipe. B. L. Gangwisch. 2,028,201; Jan. 21.
Cable and rope winding appliances such as winches and hoists. W. C. Treloggen. 2,028,582; Jan. 21.
Cable, Electric. R. J. Wiseman. 2,028,175; Jan. 21.
Cable splicer. I. Jacobi. 2,028,610; Jan. 21.
Calculating machine. C. M. E. Frider. 2,028,540; Jan. 21.
Calculating mechanism. C. Smith. 2,028,529; Jan. 21.
Camera and the like, Motion picture. A. S. Howell. 2,028,608; Jan. 21.
Cap for fruit basket covers. S. H. Sheller. 2,028,567; Jan. 21.
Cap member for fasteners. C. W. Hatch. 2,028,709; Jan. 21.
Capacitor and method of fabrication, Electric. F. M. Clark and R. A. Russetta. 2,028,590; Jan. 21.
Car construction, Railway freight. K. J. Tobin and C. E. Ekblad. 2,028,574; Jan. 21.
Car heater. S. Vernet. 2,028,269; Jan. 21.
Carbonaceous materials, Hydrogenating distillable. M. Pier, W. Simon, and W. Kroenig. 2,028,248; Jan. 21.
Carbureter. K. E. Blake and E. H. Hill. 2,028,585; Jan. 21.
Card perforating machines, Controlling. L. F. Woodruff and M. L. Nelson. 2,028,638; Jan. 21.
Carrier: *See*—
Braiding carrier.
Cart. D. A. Gurney and T. A. Cualos. 2,028,184; Jan. 21.
Carton. A. Read. 2,028,087; Jan. 21.
Casings and product, Packaging artificial sausage. E. H. Schenk. 2,028,691; Jan. 21.
Castings, Apparatus for making. H. B. Rogers. 2,028,624; Jan. 21.
Cathode for electrolytic cells. A. C. Japhous and E. B. Custer. 2,028,285; Jan. 21.
Cell of the solid electrolyte type. R. Oppenheim. 2,028,518; Jan. 21.
Cellulose esters and cellulose ethers, Dyeing or coloring. F. Ackermann. 2,028,141; Jan. 21.
Cement, High silica. P. A. B. Finkeldey. 2,028,368; Jan. 21.
Cement, Manufacture of. C. H. Breerwood. 2,028,311; Jan. 21.
Cement or cement mixture, Arsenate. J. B. Stillhamm. 2,028,420; Jan. 21.
Ceresin, Preparing. P. J. Wiesevich. 2,028,207; Jan. 21.
Chair structure. F. W. Braasch. 2,028,128; Jan. 21.
Change receiver and advertising device. L. Cohn. 2,028,591; Jan. 21.
Chemical reactions, Carrying out. P. E. Kuhl. 2,028,336; Jan. 21.
Child's toilet seat. H. E. Bebber and C. H. Calame. 2,028,543; Jan. 21.
Cigarette. A. H. Low. 2,028,552; Jan. 21.
Ciphering apparatus. P. Hitt. 2,028,506; Jan. 21.
Circuit for gaseous discharge lamps, Starting. E. O. Erickson. 2,028,535; Jan. 21.
Circuit interrupter, Electric. H. C. Graves, Jr. 2,028,364; Jan. 21.
Circuit, Oscillation. C. S. Franklin and B. J. Wild. 2,028,596; Jan. 21.

Circuits, Automatic volume control. H. A. Snow. 2,028,359; Jan. 21.
Claw guard. A. M. Larson. 2,028,674; Jan. 21.
Cleaner: *See*—
Vacuum cleaner.
Closure. W. Baker. 2,028,489–90; Jan. 21.
Cloth board. E. F. King. 2,028,506; Jan. 21.
Clutch. G. I. Goodwin. 2,028,289; Jan. 21.
Clutch control, Automatic. H. F. Elliott. 2,028,186; Jan. 21.
Clutch release for portable electric wrenches. A. G. Decker. 2,028,441; Jan. 21.
Cock device, Trip. C. D. Stewart. 2,028,726; Jan. 21.
Coin collecting apparatus. W. H. Harvey. 2,028,210; Jan. 21.
Coin controlled apparatus. H. F. Pinkenburg. 2,028,729; Jan. 21.
Coin time switch system. J. H. Stark. 2,028,690; Jan. 21.
Collapsible bridge table. W. S. Ritchie. 2,028,724; Jan. 21.
Collar fastener. G. Johnson. 2,028,705; Jan. 21.
Comb. O. R. Carson. 2,028,586; Jan. 21.
Compass, Micrometric. W. Dankhoff. 2,028,147; Jan. 21.
Condenser motor. F. J. Lyden. 2,028,280; Jan. 21.
Conductor, Fire resistant electrical. M. M. Delaney. 2,028,716; Jan. 21.
Connecter: *See*—
Belt connecter. Electric plug connecter.
Electric connecter.
Control for radiators. R. H. Thomas. 2,028,178; Jan. 21.
Control for vapor heating systems, Automatic. S. Vernet. 2,028,261; Jan. 21.
Control means for garment or ironing presses. E. Davis. 2,028,379; Jan. 21.
Control system for electric motors, Automatic. H. L. Van Valkenburg. 2,028,259; Jan. 21.
Conveyer for heat treating furnaces. C. W. Spicer. 2,028,479; Jan. 21.
Copper solution, Colloidal. J. Torigian. 2,028,575; Jan. 21.
Core adapter. R. W. Bettis. 2,028,492; Jan. 21.
Corer for grapefruit, etc. P. J. Otte. 2,028,289; Jan. 21.
Cotton picking system. R. S. Curley and W. Shaw. 2,028,698; Jan. 21.
Coupling: *See*—
Cross-chain coupling.
Power-transmission coupling.
Coupling. F. Barnickol, Jr. 2,028,182; Jan. 21.
Coupling for tubular joints of the expansion joint type. C. M. Houston. 2,028,329; Jan. 21.
Cover: *See*—
Bathtub cover. Seed bed cover.
Cover lock. C. F. Lambert. 2,028,223; Jan. 21.
Covering for tubes, Protective. H. J. Kerr. 2,028,169; Jan. 21.
Crate, Shipping. C. L. Taylor. 2,028,301; Jan. 21.
Cross-chain coupling. E. H. Lenz. 2,028,288; Jan. 21.
Crusher. J. R. Bakstad. 2,028,645; Jan. 21.
Cup: *See*—
Suction cup.
Cup holder. H. C. Seipel and P. A. Yeager. 2,028,566; Jan. 21.
Cups, Process and apparatus for manufacturing paper. A. Novick. 2,028,163; Jan. 21.
Current to direct current converter, Alternating. A. B. Chereton. 2,028,191; Jan. 21.
Curtain support. C. P. Henry. 2,028,665–7; Jan. 21.
Cushion pads, Method and apparatus for making. A. and G. A. Gerard. 2,028,388; Jan. 21.
Cutter: *See*—
Tube cutter.
Cutting implement, Double lever side. J. A. Nietzel and R. Toeplitz. 2,028,558; Jan. 21.
Damper control system. G. H. Ross. 2,028,349; Jan. 21.
Davit mechanism device for launching lifeboats. T. H. Marten. 2,028,518; Jan. 21.
Depository, Security. C. F. Mellink. 2,028,464; Jan. 21.
Diaper garment. H. M. Hanson. 2,028,602; Jan. 21.
Die. A. E. Carlile. 2,028,437; Jan. 21.
Die casting machine. G. L. Cherry. 2,028,192; Jan. 21.
Dies, Forming. A. E. Carlile. 2,028,438; Jan. 21.
Digger. M. Mayeda and Y. Okamoto. 2,028,680; Jan. 21.
Disazodyestuffs. H. Clingestein, H. Root, and C. Hensner. 2,028,439; Jan. 21.
Disguise. W. A. Hall. 2,028,206; Jan. 21.
Dispensing apparatus. H. R. Lubin. 2,028,553; Jan. 21.
Dispensing tube. S. C. Waite. 2,028,175; Jan. 21.
Display device. A. Rice. 2,028,522; Jan. 21.
Distance and depth finding. E. E. Turner, Jr. 2,028,174; Jan. 21.
Distillation. C. W. Tucker and F. Derrill. 2,028,461; Jan. 21.
Disulphides, Production of organic. L. H. Turner. 2,028,303; Jan. 21.
Door, Car. C. Lute. 2,028,617; Jan. 21.
Door-closing device. A. van Dijken. 2,028,424; Jan. 21.
Door, Stove. L. Moore and I. S. Holloway. 2,028,345; Jan. 21.
Double jaw wrench. H. A. Mead. 2,028,406; Jan. 21.
Doughnuts, Device for glazing. P. E. Burns. 2,028,433; Jan. 21.
Drill supporting frame, Rock. J. C. Curtis. 2,028,320; Jan. 21.
Drilling apparatus, Rotary. L. R. Schneider. 2,028,478; Jan. 21.
Drink mill. F. W. Flegel. 2,028,595; Jan. 21.
Dyestuffs of the anthracene series, Vat. W. Eckert and O. Braunsdorf. 2,028,384; Jan. 21.
Eggs or the like, Device for storing. J. R. Germann. 2,028,250; Jan. 21.
Electric connecter. H. H. Wermine. 2,028,367; Jan. 21.
Electric control system. T. J. Smulski. 2,028,570-1; Jan. 21.
Electric gauge. R. Cowan. 2,028,501; Jan. 21.
Electric heater. A. Hermanni. 2,028,604; Jan. 21.
Electric plug connecter. G. E. Andre. 2,028,275; Jan. 21.
Electrical apparatus. F. M. Clark. 2,028,589; Jan. 21.
Electrical apparatus. C. J. Le Bel. 2,028,238; Jan. 21.
Electrical contact receptacle. A. L. Becket. 2,028,268; Jan. 21.
Electrical indicating device. C. F. Warrick. 2,028,263; Jan. 21.
Electrical receptacle. J. Knell. 2,028,509; Jan. 21.
Electrolytic device. P. Robinson and C. Shugg. 2,028,564; Jan. 21.
Electron discharge device control system. B. Kern. 2,028,706; Jan. 21.
Elevator apparatus. M. B. McLauthlin. 2,028,405; Jan. 21.
Elevator system, One-way. F. Miller. 2,028,620; Jan. 21.
Engine: *See*—
Internal combustion engine.
Engine. W. O. Bechman. 2,028,310; Jan. 21.
Engine compressor, Free piston. H. Jäkicke. 2,028,231; Jan. 21.
Engine fuel pump, Hydrocarbon. L. H. Haney. 2,028,308; Jan. 21.
Engine in which the fuel is preheated, Internal combustion. O. Simmen. 2,028,527; Jan. 21.
Envelope flap opening and moistening device. J. Q. Finfrock. 2,028,277; Jan. 21.
Envelope, Series. I. Masterson and H. Dorman. 2,028,341; Jan. 21.
Ethers having at least 8 carbon atoms in the molecule, Preparation of. E. Elbel. 2,028,654; Jan. 21.
Expansion insert or caster socket for tubular legs or the like. W. F. Herold. 2,028,328; Jan. 21.
Fastener: *See*—
Box fastener. Nonseparable fastener.
Metal fastener.
Fastener. L. W. Burwick. 2,028,714; Jan. 21.
Fastener attaching machine. L. N. Hayden. 2,028,704; Jan. 21.
Fastening and securing means. G. W. Gall. 2,028,507; Jan. 21.
Faucet, Foam controlling beer. J. Howard and S. E. Richeson. 2,028,283; Jan. 21.
Feeder: *See*—
Tin pot feeder.
Feeding means for sealing pads for receptacle closure caps. J. A. Johnson. 2,028,216–19; Jan. 21.
Fibrous materials, Apparatus for the continuous treatment of. L. H. Sperry. 2,028,419; Jan. 21.
Filling machine. M. Goldberg. 2,028,657; Jan. 21.
Film and method of photography, Motion picture. C. B. Dreyer. 2,028,275; Jan. 21.
Film holder and imager. A. J. Viken. 2,028,362; Jan. 21.
Filter leaf. M. F. Moran. 2,028,466; Jan. 21.
Fingerprints, Obtaining. J. J. McCarthy. 2,028,619; Jan. 21.
Fire alarm system. O. I. H. Ekman. 2,028,653; Jan. 21.
Fire resistant composition. E. R. Hanson. 2,028,715; Jan. 21.
Fishing reel. J. C. Berry. 2,028,311; Jan. 21.
Flashlight device. C. Albers. 2,028,428; Jan. 21.
Flotation machine. R. P. Akins. 2,028,179; Jan. 21.
Flowerpot, Self-fertilising. H. Steinbach. 2,028,255; Jan. 21.
Fluid displacement device. H. Schneider. 2,028,414; Jan. 21.
Fluid pressure brake. R. B. Stevens. 2,028,681; Jan. 21.
Fluid stream control. M. E. Haworth. 2,028,211; Jan. 21.
Fluorescent substance. H. Rabe. 2,028,472; Jan. 21.
Flushing apparatus. J. H. Collier. 2,028,193; Jan. 21.
Foam retarding tube. L. W. Schrader. 2,028,295; Jan. 21.
Folder, Advertising. T. P. Cunningham. 2,028,650; Jan. 21.
Food mixer. E. Mross. 2,028,408; Jan. 21.
Form attaching supporting means. S. S. Colt. 2,028,647; Jan. 21.
4-aminodiphenylamine derivatives and intermediates obtained thereby, Manufacture of. A. Eitscher and W. Seidenfaden. 2,028,473; Jan. 21.
Frame: *See*—
Bag frame.
Bird cage seed guard frame.
Frame corner structure. W. F. Roberts. 2,028,353; Jan. 21.
Freewheeling device for motor vehicles. A. Maier. 2,028,512; Jan. 21.

Frequency generator, Submultiple. R. L. Miller, 2,028,322; Jan. 21.
Fruit jar holder. H. J. Schwartz, 2,028,415; Jan. 21.
Fuel for Diesel engines. W. Wike, R. Stadler, and F. Lappe, 2,028,206; Jan. 21.
Fuel pump. S. Whitse. 2,028,271; Jan. 21.
Furnace: *See*—
Open-hearth furnace.
Furnace heat regulator, Automatic. P. C. and W. P. Timm. 2,028,368; Jan. 21.
Garage. H. Harnischfeger. 2,028,221; Jan. 21.
Garage for automobiles and the like. J. Rome and K. Rubenstein. 2,028,476; Jan. 21.
Garment, Convertible. M. L. Schreier. 2,028,356; Jan. 21.
Gas arc lamp, Low voltage. K. F. J. Kirsten. 2,028,548; Jan. 21.
Gases, Purification of. B. M. Carter. 2,028,318; Jan. 21.
Gauge: *See*—
Electric gauge.
Gear mechanism. R. J. L. Moineau. 2,028,407; Jan. 21.
Gearing, Arcuate pitch cone. F. V. Siberts. 2,028,145; Jan. 21.
Gem or like settings in jewelry. S. Jackson. 2,028,294; Jan. 21.
Generator: *See*—
Frequency generator.
Germinal substances from seed kernels, Recovering pure. M. Blumenstock. 2,028,122; Jan. 21.
Girdle and support, Colostomy. F. M. Oliver. 2,028,338; Jan. 21.
Glazing structure. G. H. Lemke. 2,028,615; Jan. 21.
Glove, Swimming. L. C. Lindsey. 2,028,461; Jan. 21.
Grinding machine. W. and H. Arter. 2,028,642; Jan. 21.
Grinding machine. P. Brühl and F. Neugart. 2,028,315; Jan. 21.
Hair curler. H. Nathiel and H. Engelke. 2,028,234; Jan. 21.
Hand bag. W. Benwar. 2,028,376; Jan. 21.
Handle: *See*—
Implement handle. Wrench handle.
Handrail for moving stairways. H. W. Shoemard. 2,028,265; Jan. 21.
Hat blocking and steering device. T. A. Brennan. 2,028,270; Jan. 21.
Header construction. J. Karmazin. 2,028,455; Jan. 21.
Heat, Apparatus for reclaiming waste. B. J. Parent and J. L. Krieg. 2,028,471; Jan. 21.
Heat exchanger or cooler. A. R. Hemphill. 2,028,213; Jan. 21.
Heat from machine parts, Device for effectively dissipating. A. L. R. Bernard. 2,028,424; Jan. 21.
Heater: *See*—
Car heater. Orchard heater.
Electric heater.
Hinge leaves, Making. J. A. Eden, Jr. 2,028,286; Jan. 21.
Hitch, Automatic. A. L. Klemig. 2,028,221; Jan. 21.
Hoe, Rotary. D. A. Wangelin. 2,028,266; Jan. 21.
Holder: *See*—
Adjustable die holder. Fruit jar holder.
Cup holder.
Holder for Christmas trees or other objects. W. E. Allerton. 2,028,129; Jan. 21.
Holder for match packages. K. Landauer. 2,028,460; Jan. 21.
Holder for toilet articles. J. M. Spinks. 2,028,694; Jan. 21.
Holder for umbrellas. J. P. Lane. 2,028,327; Jan. 21.
Honing tool. K. W. Conner and A. Blondale. 2,028,648; Jan. 21.
Hood for the rumble seat of automobiles, Removable. L. F. C. Hart. 2,028,300; Jan. 21.
Hook holder for fish poles. R. C. Rupp. 2,028,477; Jan. 21.
Hose fitting. A. Brunner. 2,028,316; Jan. 21.
Housing for projectors, Lamp and lens. A. D. Hitsen. 2,028,505; Jan. 21.
Humidifier. W. Feldermann. 2,028,444; Jan. 21.
Hydrogen, Apparatus for the production of. W. V. Hanks, G. H. Freyermuth, and G. Potts. 2,028,536; Jan. 21.
Hypodermic injections, Apparatus for effecting. F. S. Geline, G. C. Rodrigues, and R. S. de D. Zapata. 2,028,446; Jan. 21.
Ice removing means. T. Hiscock. 2,028,669; Jan. 21.
Illuminating apparatus. H. Hoffman. 2,028,453; Jan. 21.
Impact testing device and method. R. Burns. 2,028,190; Jan. 21.
Implement handle. A. A. MacPherson. 2,028,291; Jan. 21.
Indicator: *See*—
Vehicle direction indicator
Ingot mold for steel ingots. J. E. Perry and W. H. Ramage. 2,028,243; Jan. 21.
Insulation pad and construction. A. L. Spafford. 2,028,253; Jan. 21.
Internal combustion engine, Rotary. H. Schulman. 2,028,526; Jan. 21.
Jig for treating material. G. H. Cady. 2,028,436; Jan. 21.
Joint for concrete pipes. W. S. Hewett. 2,028,669; Jan. 21.
Ketones, Manufacturing. F. M. Archibald and C. M. Beaner. 2,028,267; Jan. 21.
Knives, Grinding of rotating eccentric. W. E. Mellen. 2,028,681; Jan. 21.
Laminated structure. C. F. Rein. 2,028,411; Jan. 21.
Lamp: *See*—
Gas arc lamp.
Lamps, Butt-sealing incandescent electric. M. E. McGowan. 2,028,342; Jan. 21.
Lasting machine. W. T. R. Roberts. 2,028,246; Jan. 21.
Lathe, Automatic. E. Tomky. 2,028,262; Jan. 21.
Light baffling screen. C. W. Cole. 2,028,469; Jan. 21.
Light conversion system. H. A. Rockwell. 2,028,471; Jan. 21.
Light-transmitting sheet, Reinforced. E. T. Hesting. 2,028,679; Jan. 21.
Liner for a brake drum and making the drum. R. R. Surtees. 2,028,673; Jan. 21.
Lining for centrifugal baskets, Grid. E. Roberts. 2,028,168; Jan. 21.
Link, Flexible. F. C. La Mar. 2,028,720–1; Jan. 21.
Liquid dispensing apparatus. J. Thomson. 2,028,302; Jan. 21.
Liquid resistances, Apparatus for cooling. C. J. Pratt. 2,028,166; Jan. 21.
Load handling device. J. H. Danner. 2,028,462; Jan. 21.
Lock: *See*—
Cover lock.
Lock. J. R. Brose and A. S. Strassbach. 2,028,495; Jan. 21.
Lock. F. H. Schmidt. 2,028,525; Jan. 21.
Lock. O. A. Shaan. 2,028,171; Jan. 21.
Lock and latch, Combined. J. Rubino. 2,028,672; Jan. 21.
Locking and reinforcing means for paper board boxes. E. H. Lampen. 2,028,279; Jan. 21.
Locking-band. C. R. Irwin. 2,028,689; Jan. 21.
Locking device. H. G. Ock. 2,028,287; Jan. 21.
Locking device, Automatic. S. T. Smith. 2,028,523; Jan. 21.
Locking gas tank covers, Mechanism for. F. C. McClanahan. 2,028,515; Jan. 21.
Locking means for paper board boxes. E. H. Lampen. 2,028,677; Jan. 21.
Locomotive driving wheel Composite. A. G. Ock. 2,028,646; Jan. 21.
Loom. J. Northrop. 2,028,580; Jan. 21.
Loom protection mechanism. C. D. Brown. 2,028,731; Jan. 21.
Lubricant and making same. M. Pier and F. Christmann. 2,028,240; Jan. 21.
Lubricants in rope material, Incorporating extremely viscous. W. D. Modeen. 2,028,158; Jan. 21.
Lubricating device. G. L. Moore and L. R. Stone. 2,028,517; Jan. 21.
Machine for inserting fasteners and forming the bed area of a sole. F. E. Depp. 2,028,252; Jan. 21.
Machine for making finishing welts. P. Diamboni and G. Tillie. 2,028,494; Jan. 21.
Machine for shaping shoe uppers. A. F. Pym. 2,028,187; Jan. 21.
Machine for shaping uppers over lasts. A. F. Pym and W. E. Scarlett. 2,028,351; Jan. 21.
Machine for unseaming can tops. E. H. Gauthier. 2,028,502; Jan. 21.
Magnesium and magnesium alloys, Protecting. J. M. Michel. 2,028,243; Jan. 21.
Magnesium dolomites, Decalcification of. C. D. Wyatt. 2,028,690; Jan. 21.
Magnetic analysis. T. Haschka. 2,028,486; Jan. 21.
Mask. R. Malcom. 2,028,462; Jan. 21.
Material dispensing device, Pivoted. M. W. Fitzsimmons. 2,028,655; Jan. 21.
Material feeding device, Dry. W. M. Hurst and W. R. Humphries. 2,028,710; Jan. 21.
Material into a solid mass, Compressing compressible. W. E. Barber. 2,028,481; Jan. 21.
Materials, Distilling of easily decomposable. W. E. Lewis. 2,028,540; Jan. 21.
Measurements, Mechanism for mechanical. J. T. Brubaker. 2,028,134; Jan. 21.
Measuring apparatus. W. G. Doherty. 2,028,563; Jan. 21.
Medium in a continuous operation to a reaction, Method of and an apparatus for subjecting a flowing. W. Pohl. 2,028,664; Jan. 21.
Metal fastener. E. R. Hipe. 2,028,528; Jan. 21.
Metal, Loading and shipping sheet. J. F. Warren. 2,028,206; Jan. 21.
Metals, Method and apparatus for cutting. M. E. Weaver. 2,028,626; Jan. 21.
Metals, Producing the alkali. M. G. Hansen. 2,028,209; Jan. 21.
Microphone transmitter. R. C. Forbes. 2,028,685; Jan. 21.
Mill: *See*—
Drink mill.
Mixer: *See*—
Feed mixer.
Mold apparatus. J. B. Dorner. 2,028,443; Jan. 21.
Motion and apparatus therefor, Simulating. J. Hansen. 2,028,623; Jan. 21.
Motor: *See*—
Condenser motor.
Motor control. W. J. Seaver. 2,028,541; Jan. 21.
Mounting. H. C. Lord. 2,028,849–50; Jan. 21.
Mounting and joints therefor. H. C. Lord. 2,028,851; Jan. 21.
Mounting for trolley wheels, Removable. J. C. Wilson. 2,028,707; Jan. 21.
Mounting, Single insulator base. A. G. Steinmayer, 2,028,421; Jan. 21.
Moving and changing sign. A. Chitti. 2,028,496; Jan. 21.
Multiple switch. J. Brustlein. 2,028,507; Jan. 21.
Nonseparable fastener. G. R. Upham. 2,028,423; Jan. 21.
Nozzle, Suction. G. A. Feld. 2,028,560; Jan. 21.
Oil compositions, Mineral. R. W. Story and R. W. Fuller, 2,028,257; Jan. 21.
Oil cracking system. A. G. Peterkin, Jr. 2,028,726; Jan. 21.
Oil tank inspection device. W. A. Baldorf and R. R. Deimler. 2,028,420; Jan. 21.
Oil to burners for boilers and similar installation, Apparatus for feeding fuel. J. C. Johnson. 2,028,293; Jan. 21.
Oil well pumping apparatus. W. F. Parker. 2,028,409; Jan. 21.
Oil well tubing wrench. J. S. Taylor. 2,028,737; Jan. 21.
Oils, Producing lubricating. J. V. Starr and D. F. Edwards. 2,028,261; Jan. 21.
Olefines, Sulphating. R. P. Le Baron. 2,028,226; Jan. 21.
Open-hearth furnace, Maneuvering. F. H. Loftus. 2,028,200; Jan. 21.
Optical system and automatic control for the same. W. L. Wright. 2,028,485; Jan. 21.
Orchard heater. W. A. S. Harmon. 2,028,227; Jan. 21.
Ornament. E. Da Rosa. 2,028,593; Jan. 21.
Packing and producing the same, Metallic. S. L. Palmer. 2,028,240; Jan. 21.
Packing, Fluid pump. S. Walker. 2,028,624; Jan. 21.
Pan, Cake. J. Kollman. 2,028,671; Jan. 21.
Paper feed for typewriter billing machines. J. Q. Sherman. 2,028,587; Jan. 21.
Para-cyclohexylphenols, Manufacture of. K. Brodersen, H. Behncke and R. Korten. 2,028,271; Jan. 21.
Parter operating means for looms. J. Northrop. 2,028,580; Jan. 21.
Pen, Fountain. H. G. Burgeter. 2,028,645; Jan. 21.
Pencil. F. C. Dell. 2,028,586; Jan. 21.
Perforator. C. G. Whitney. 2,028,264; Jan. 21.
Petroleum oil distillate, Desulphurizing a. V. Kalichevsky. 2,028,535; Jan. 21.
Phonograph. R. P. Andrews. 2,028,130; Jan. 21.
Phonograph. E. G. Langley. 2,028,294; Jan. 21.
Phonographic recorder. O. M. Dunning. 2,028,197; Jan. 21.
Phosphates, Manufacture of. G. B. Taylor. 2,028,632; Jan. 21.
Photographic material. B. Gaspar. 2,028,270; Jan. 21.
Photographs, Apparatus for displaying. H. Fabry. 2,028,190; Jan. 21.
Phthalic anhydride, Chlorination of. M. N. Dyorailoff. 2,028,383; Jan. 21.
Picture projector, Motion. W. L. Wright. 2,028,484; Jan. 21.
Pipe: *See*—
Butt-weld pipe.
Pipe section protection. J. W. Van Dyke. 2,028,576; Jan. 21.
Pipe thread protector. L. S. Gundermann. 2,028,689; Jan. 21.
Piston, Composite. J. Flammang, P. L. Bowser, and H. Ernst. 2,028,522; Jan. 21.
Pitch propeller, Change. G. F. McDougall. 2,028,468; Jan. 21.
Plant thinning implement. A. Hilyard. 2,028,490; Jan. 21.
Plants, Irrigating and fertilizing. W. O. Swank. 2,028,172; Jan. 21.
Plastic compositions and making the same. L. F. Kyrides. 2,028,399; Jan. 21.
Plastic compositions of matter. J. R. Mares. 2,028,403; Jan. 21.
Plastic, Seasoning. P. W. Crane and R. T. Fields. 2,028,502; Jan. 21.
Plate heat exchanger. E. Prestage. 2,028,662; Jan. 21.
Flow measuring device. I. M. Clausen. 2,028,278; Jan. 21.
Plug: *See*—
Valve or drain plug.
Plug attachment device, Switch-type. J. D. Brown. 2,028,314; Jan. 21.
Plug valve. F. N. Bard. 2,028,181; Jan. 21.
Plywood, Making glued up. W. F. Leicester. 2,028,297; Jan. 21.
Polish, Shoe. E. P. Griffin and R. P. Richardson. 2,028,334; Jan. 21.
Pot, Thermostatic vent. H. H. Dow. 2,028,535; Jan. 21.
Power-transmission coupling. E. S. Cook and L. M. Douglas. 2,028,580; Jan. 21.
Power unit. E. Hoe. 2,028,283; Jan. 21.
Precision measuring instrument. C. E. Johansson. 2,028,611; Jan. 21.
Press: *See*—
Vulcanizing press.
Print rollers and the like, Apparatus for making. W. M. Greene and P. E. Luther. 1,028,908; Jan. 21.
Printing machine. C. D. Ryan. 2,028,381; Jan. 21.
Printing plate. H. Swan and S. Higgins. 2,028,709–12; Jan. 21.
Printing telegraph system. T. L. Corwin. 2,028,194; Jan. 21.

Propeller blades, Apparatus for balancing. J. Squires. 2,028,264; Jan. 21.
Protector: *See*—
Pipe thread protector.
Pump: *See*—
Engine fuel pump. Fuel pump.
Pump. A. F. Sherar. 2,028,668–9; Jan. 21.
Pump. I. W. Sprink. 2,028,360; Jan. 21.
Pump for compressed liquefied gases. C. F. Tears. 2,028,581; Jan. 21.
Pyrometric device. H. H. and B. O. Henderson. 2,028,507; Jan. 21.
Radiation detector. R. Gunn. 2,028,153; Jan. 21.
Radiator. C. J. Backstrom and A. W. Lees. 2,028,398; Jan. 21.
Radio receiver, Variable-selectivity. A. Crossley. 2,028,534; Jan. 21.
Radio receiving device with distant control. H. F. Andrews. 2,028,489; Jan. 21.
Radio signaling system. L. M. H. Clausing and J. R. Smith, Jr. 2,028,497; Jan. 21.
Radio transmitting system. R. A. Heising. 2,028,212; Jan. 21.
Railway brake. I. Matrosoff. 2,028,404; Jan. 21.
Railway line. M. A. Long. 2,028,401; Jan. 21.
Rake, Side delivery. A. E. W. Johnson. 2,028,383; Jan. 21.
Range. G. D. Wilkinson and R. D. Pellegrin. 2,028,636; Jan. 21.
Receptacle: *See*—
Electrical contact receptacle. Electrical receptacle.
Storage receptacle.
Receptacles, Apparatus for filling. R. D. Anderson. 2,028,266; Jan. 21.
Recorder: *See*—
Phonographic recorder.
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CLASSIFICATION OF PATENTS

ISSUED JANUARY 21, 1936

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Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,854,441, A. Alsaker, W. O. Hampton and C. A. Koerner, Vertical break disconnecting switch, decided January 6, 1936, claim 7.

Pat. 1,988,381, W. H. Mosney and J. R. Rudolph, Wildell hopper car, decided January 7, 1936, claims 1, 2, 6, and 16.

Pat. 1,992,672, H. N. Stevenson, Adjustable springboard, decided January 4, 1936, claims 1 and 2.

Pat. 1,912,841, D. W. Griffith and O. S. Beattie, Automatic control for carburetor choke valves, decided November 18, 1933, claim 7.

Pat. 1,961,852, R. B. Flanders, Hydraulically operated feed mechanism for high speed stitchers, decided January 4, 1936, claims 2, 4, and 5.

Pat. 1,989,823, Francis Mohler, Control system, decided January 4, 1936, claim 5.

Cancellation of Entry of Disclaimer

2,008,482.—*Eugene G. Carroll*, South Bend, Ind. HYDRAULIC BRAKE. Patent dated July 30, 1935.

The entry on the records of the Patent Office of an alleged disclaimer filed by *Eugene G. Carroll*, November 11, 1935 (see 461 O. G. 14), ordered cancelled since the assignment records of the Patent Office show that *Eugene G. Carroll* owned no interest in the patent.

Notice of Cancellation

U. S. PATENT OFFICE, Washington, Jan. 15, 1936.

A. G. Morse Co., its assignee or legal representatives take notice:

An application for cancellation having been filed in this Office by Lovell and Covel Company, Cambridge, Mass., to effect the cancellation of trade-mark registration of A. G. Morse Co., 210–220 N. Halstead Street, Chicago, Ill., No. 138,676, dated January 4, 1921, and the notice of such proceeding sent by registered mail to said A. G. Morse Co., at the said address having been returned by the post office undelivered, notice is hereby given that unless said A. G. Morse Co., its assignee or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

Applicant's Address

The requirement of Rule 32, that the post-office address of the applicant must be stated in the petition, means that the applicant must give the post-office address at which he customarily receives his mail.

The rule was made in order that the Office in necessary cases might correspond directly with the applicant and not through his attorney. The address of the attorney with instructions to send communications to the applicant in his care will not be accepted as a compliance with this rule.

Rule 72

RULE 72. After the completion of the application the Office will not return the specification for any purpose whatever. If applicants have not preserved copies of the papers which they wish to amend, the Office will furnish them on the usual terms.

The drawing may be withdrawn only for such corrections as cannot be made by the Office; but a drawing cannot be withdrawn unless a photographic copy as heretofore filed and accepted by the Examiner as a part of the application. Permissible changes in the construction shown in any drawing may be made only by the Office and after an approved photographic copy has been filed. Sketches filed to show proposed changes in construction must be in permanent ink. (See Rule 88.) Substitute drawings will not be admitted in any case unless required by the Office.

Condition of Applications Under Examination at Close of Business January 11, 1926

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 32,916; Trade-Mark Division, 1,245. Oldest new case, September 14, 1925; oldest amended, September 14, 1925.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
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5720	7. JARBOE, C. C., Optics; Photography	Nov. 11	Nov. 11	225
5220	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Oct. 10	Oct. 10	215
4234	9. ADAMS, E. E., Pumps; Fluid and Fluid-Current Motors	Dec. 3	Dec. 3	125
6512	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances; Bodies and Tops; Vehicle Fenders	Nov. 11	Nov. 11	225
5427 B	11. BENHAM, R. V., Boots, Shoes, and Leggins; Buttons, Eyelets, and Rivet Setting; Harness; Leather Manufacture; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 13	Oct. 13	225
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Stokers; Stop Mechanisms	Oct. 10	Oct. 10	225
4860	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Working; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Nov. 6	Nov. 6	225
4897	14. BRUMBAUGH, N. J., Foundry; Metal Bending; Metal Tools and Implements; Molding; Ghost Metal Ware, Melting; Wire Fabrics; Wire Working; Metal Working, Miscellaneous.	Oct. 11	Oct. 11	225
4297	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 1	Nov. 1	225
5512	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 11	Oct. 11	225
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufacture; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 13	Oct. 13	225
4812	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 13	Oct. 13	225
4050	19. KENNEDY, A. B., Furnaces and Stoves; Fuel Burners	Nov. 1	Oct. 31	225
6813	20. GROVE, S. D., Miscellaneous Hardware; Cleaners Fasteners; Locks; Latches; Safes; Undertaking	Oct. 31	Oct. 31	225
7725	21. THOMPSON, T. J., Tanning; Cloth Finishing	Oct. 15	Oct. 15	225
5756	22. RINGLE, D., Ammunition; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Skiing; Marine Propulsion.	Sept. 14	Sept. 14	225
7026	23. BUTTNER, W. J. (Asst.), Coin Handling; Recorders; Registers	Oct. 30	Oct. 30	225
5025	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Oct. 11	Oct. 11	225
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminuters.	Nov. 11	Nov. 11	225
6005	26. ADAMS, W. M., Electricity, Generation; Motive Power	Oct. 17	Oct. 20	225
5705	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Nov. 11	Oct. 13	225
4525	28. BENSON, A. H., Internal-Combustion Engines	Oct. 31	Oct. 31	225
5505	29. SHELARIN, J. B. (Asst.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Dispatch and Collection Receptacles; Supports, Tables.	Oct. 13	Oct. 11	225
4954	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating; Burners; Illumination; Thermostats and Humidostats.	Oct. 11	Oct. 11	225
5710	31. DUNCOMBE, C. S. (Asst.), Gas, Heating and Illuminating; Mineral Oils	Nov. 11	Nov. 11	225
4520	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Oct. 16	Oct. 17	225
4560	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Oct. 14	Oct. 11	225
6005	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Oct. 13	Oct. 13	225
5400	35. REYNOLDS, R. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Nov. 6	Nov. 6	225
7005	36. McFADYEN, A. D., Measuring Instruments; Power Measuring; Automatic Weighers	Oct. 11	Oct. 17	225
5210 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Oct. 20	Oct. 15	225
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Nov. 11	Nov. 11	225
4572	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 11	Oct. 11	225
7650	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Oct. 20	Nov. 6	225
4263	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Oct. 25	Oct. 25	225
5552	42. CUTTING, H. O., Electric Signaling	Oct. 10	Oct. 10	225
4265 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Oct. 10	Oct. 2	225
4257 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Nov. 16	Nov. 16	225
7057	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanisms; Engine Cooling.	Oct. 11	Oct. 11	225
4513	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Cooling Implements.	Nov. 1	Nov. 2	225
7020	47. BARKER, H., Clutches; Brakes	Oct. 14	Oct. 15	225
5731	48. ROEPKE, O. E., Electricity, General Applications; Ignition	Oct. 10	Nov. 5	225
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Oct. 13	Oct. 13	225
4761	50. BLAKE, C. L., Vinoids; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Nov. 4	Nov. 4	225
5005	51. BACKUS, C. D., Radiant Energy	Oct. 16	Oct. 16	225
7705	52. KNOTTS, M. E., Supports; Closets; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Oct. 3	Oct. 13	225
6907	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Oct. 13	Oct. 13	225
5574	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Oct. 23	Oct. 23	225
6907	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Oct. 11	Oct. 13	225
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Nov. 11	Nov. 12	225
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Oct. 11	Oct. 11	225
5025	58. DOWELL, E. F., Abrading; Bottles and Jars	Oct. 10	Oct. 25	225
4709	59. RICHARD, V. I., Chemistry; Fertilizers	Nov. 11	Nov. 11	225
5506	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Rectifiers and Rheostats; Prime-Mover Dynamo Plants.	Oct. 13	Oct. 11	225
6714	61. PARKS, C. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Roll Making; Winding and Reeling; Pasting and Pulling; Horology; Time-Controlling Apparatus.	Nov. 7	Oct. 31	225
3676	62. COCHRAN, W. W., Gaming; Geometrical Instruments	Sept. 25	Sept. 25	225
4905	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Oct. 27	Oct. 27	225
4705	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Cooling Compositions; Fuel; Alcohol.	Oct. 5	Oct. 5	225
5024	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Nov. 22	Oct. 13	1,225
5000 B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND	Dec. 11	Dec. 13	225
2005	DESIGNS, H. H. KALUPY (Act.)	Dec. 14	Dec. 10	225

(Trade-Marks / Labels and Prints)

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

McKee v. Stevens

No. 3,355. Decided November 26, 1928.

1. INTERFERENCE—EVIDENCE TO PRACTICE—TESTS UNDER WORKING CONDITIONS REQUIRED.

Construction of a meter connecting device and shop tests of the same for leaks and accuracy of machine work, without a test under actual working conditions, *Held* not to constitute reduction to practice, in view of the nature of the device coupled with its use in connection with inflammable and poisonous gases.

2. SAME—PRIORITY—EVIDENCE.

Record reviewed and *Held* that McK., the junior party, who was the first to conceive, had not established diligence during the critical period from immediately prior to the date of the senior party's entry into the field to the date of McK's. filing and that priority was properly awarded to the senior party.

BLAND, *J.*, Concurring.

APPEAL from the Patent Office. Affirmed.

Mr. Fred Gerlach and *Mr. Norman H. Gerlach* for McKee.

Messrs. Kerr, Hudson & Kent, and *Mr. A. J. Hudson* for Stevens.

GRAHAM, *P. J.*:

The present proceeding is an appeal from the decision of the Board of Appeals of the United States Patent Office in an interference proceeding, awarding priority to the appellee, Stevens. The appellant, Garnet W. McKee, filed his application in said office on May 7, 1930, seeking a patent upon an improvement in meter connecting devices. The appellee, Charles W. Stevens, filed an application for a patent for a similar invention in said office on March 19, 1930.

The counts of the interference were five in number. The first count is deemed to be sufficient for purposes of illustration, and is as follows:

1. Means for spacing the two service pipes of a meter comprising a rigid one-piece bar having at one end thereof means for engaging one of the service pipes and having at the other end thereof a conical opening forming a seat, a conical sleeve to fit in said seat and rotatably mounted therein, said sleeve having a screw thread in its larger end for connection with the other service pipe and a screw thread for connection with the meter pipe.

The Examiner of Interferences, after the interference had been redeclared, and after the parties had taken testimony, held that the burden of proof was upon McKee, as the junior party. It appearing that the junior party had abandoned counts 2, 4, and 5 of the interference, priority was awarded to Stevens as to said counts. No appeal has been prosecuted to this court as to the same. The only issues of the interference relate to counts 1 and 3.

The Examiner of Interferences further held that the party Stevens had conceived and reduced the invention defined in said counts to practice "at least by October, 1929."

The Examiner further held that there was evidence as to the party McKee having conceived and constructed some of the devices the subject of the interference in June, 1928, but that there was no evidence sufficient to show that he reduced the invention to practice at that time; that the evidence introduced by him as to the testing of the device was insufficient to prove reduction to practice; that "at the time" Stevens entered the field, McKee was not shown to have been exercising diligence, and that, therefore, the appellant was not entitled to priority, which was awarded to the party Stevens.

The Board of Appeals followed much the same line of reasoning. It came to the conclusion that it was "satisfactorily established that McKee did conceive a structure within the terms of counts 1 and 3 in June, 1928, and that one or two connector bars corresponding to the same counts were made shortly thereafter." However, the Board was of opinion that this device was not so tested as to constitute reduction to practice, and that, therefore, the invention was not complete. The Board was also of the opinion that in view of McKee's delays until 1930, before filing his application, his work in 1928 constituted merely an abandoned experiment, and that if this could not be so considered, then McKee was shown by the record to have shown an intention to suppress this particular construction. Therefore, priority was awarded to the party Stevens.

The issues are simple, and not difficult to determine. Considerable testimony was taken by the parties, as to their activity during the period involved in producing this invention. McKee was connected with the Eclipse Fuel Engineering Company, of Rockford, Illinois, and Lake Geneva, Wisconsin, as the engineer of the company. His company, in June, 1928, was engaged in the sale of connectors for gas meters. During June, 1928, the company was making and selling a type of connector with a cylindrical sleeve union outlet. This was a straight sleeve. At that time, McKee conceived and disclosed the subject matter of the issue here, namely, a tapered sleeve construction for these meter connectors. In this conception and disclosure, he is sustained by the testimony of several of those who worked with him in the Eclipse Fuel Engineering Company, and there seems to be no doubt that he has proved conception at that time. It is further shown that, shortly after this time, at least one of these connectors was made, according to the directions of McKee. The witness Statler, who was a machinist in the Eclipse Fuel Engineering plant, states that before delivering the connector with the tapered sleeve and nut connection on the bottom, to one Olsen, manager of the company, he, Statler, tested the new connector, the testimony being as follows:

Q. 31. Before delivering that bar with the tapered sleeve and nut on the bottom to Mr. Olsen did you make any tests?

A. Yes. All gas fittings are tested. First for leaks and then for machine accuracy.

Q. 32. What was the result of that test?

A. Apparently there were no leaks and the machine work was all right, because it was accepted by Mr. Olsen as being O. K.

The witness Olsen testified:

Q. 29. What was done with the meter bar which was made by Mr. Statler and delivered to you which embodied the tapered bushing?

A. It was examined and tested by me.

There is no further testimony in the record as to what further, if anything, was done as to the testing of this device by McKee. On the one hand it is argued by McKee that the test was sufficient to constitute reduction to practice; that this device was of simple character, and that it did not require a test by use under actual working conditions. On the other hand, it is contended by the appellee, and was so held by the tribunals below, that a test in actual use was required. Upon this feature, the result of the case largely depends. If such evidence is sufficient to prove a proper test, then the invention of McKee seems to have been reduced in practice prior to the date of Stevens' entry into the field. On the other hand, if it does not prove reduction to practice, other questions as to the actions and diligence of McKee must be considered.

The burden of proof was upon the appellant McKee to establish that he had reduced the invention to practice, if he is to be awarded priority on the ground that he conceived and reduced the invention to practice before Stevens entered the field.

[1] If this was a device which required a test under actual working conditions to reduce it to practice, then the burden was also upon McKee to establish that it was so tested. We are inclined to the belief that he did not maintain this burden. To prove by the testimony of witnesses that a device was tested, does not prove that it was tested under usual working conditions. It is argued by counsel for McKee that he did not need to do so because, on the strength of *Brydle* v. *Honigbaum*, 19 C. C. P. A. (Patents) 773, 54 F.(2d) 147, 415 O. G. 756, if a device was a familiar one, and had been long known to the art, a simple modification thereof need not be necessarily tested under actual working conditions. It is not shown, however, by the testimony, that the use of sleeves in these connecting devices was well known in the art prior to June, 1928, nor does it appear that McKee was so conversant with the use of such connectors, at that time, that he might be said to come within the rule of the decision in the case of *Brydle* v. *Honigbaum*, supra. Certainly, there is nothing in the record to show that the use of tapered sleeves and conical-shaped connections was known at that time, or that persons working on the device were able to test the same without trial thereof under usual working conditions. It would have been a comparatively easy thing for McKee to attach his connector to a meter in operation, and to have thus tested the connector. We may assume, however, in the absence of proof to the contrary, that this was not done, and that some shop tests only were applied, the nature and sufficiency of which are not disclosed, and that McKee chose to rest the matter on this. An inventer intent upon securing the benefit of his invention ought not to disregard such necessary precautions. If he does so, it is at his own peril. The nature of the device in issue here, coupled with its use in connection with inflammable and poisonous gases, seems to the court to plainly indicate that it should have been tested in such a way as to show that it would operate successfully under actual working conditions. It is not of the simple character of the device in question in the case of *Olson* v. *Thompson*, 22 C. C. P. A. (Patents) 1212, 77 F.(2d) 104, 460 O. G. 249, where lock washers were involved, and *Sachs* v. *Wadsworth*, 18 C. C. P. A. (Patents) 1284, 48 F.(2d) 926, 411 O. G. 545, where a lid to a switch box was in issue. This subject is exhaustively discussed by us in *Payne* v. *Hurley*, 21 C. C. P. A. (Patents) 1144, 71 F.(2d) 208, 448 O. G. 8, followed by *Urschel* v. *Crawford*, 22 C. C. P. A. (Patents) 727, 73 F.(2d) 510, 451 O. G. 258, and further discussion here is deemed unnecessary.

It being the conclusion of the court that there has been a failure to prove a sufficient test of the device in 1928, and no other proof of reduction to practice prior to the filing of Stevens' application being offered by the appellant, it follows that appellant must establish diligence on his part during the period from just prior to appellee's entry into the field to the date of appellant's filing, to be entitled to an award of priority.

The appellee Stevens was the vice-president and general manager of the Lattimer-Stevens Company, of Columbus, Ohio, a company which was engaged in the manufacture of gas meter connections, stopcocks, and supplies during the year 1928, and following. It seems, from the testimony, that Stevens conceived the invention involved here in the first part of August, 1928, and that disclosure to others was made during the same year. By the fall of 1929, several orders of considerable size had been taken by this company for the tapered sleeve connection, and the product was commercialized and fully advertised to the trade. From that time until the filing of Stevens application in March, 1930, production was continued and many orders filled. Whether the appellant, McKee, was advised of the commercialization of this product is not shown by the record. However, it was not until May, 1930, that the appellant filed his application for a patent, several months after the Stevens product was for sale on the market. After producing his samples in June, 1928, the record does not show any activity on the part of McKee. Evidently neither he nor his company were making any attempt to commercialize this tapered union construction during 1928 or 1929. McKee's company made no effort to produce any tapered plugs on a commercial scale prior to the fall of 1929, the reason therefor being given by the witness Olsen, as follows:

Q. 61. When did you first have occasion to make any meter bars with tapered plugs on a commercial scale?

A. In the year 1929.

Q. 62. Prior to that was there any demand for a bar with a tapered plug?

A. We had learned of no demand for them prior to that time.

On cross-examination, the witness Olsen, in giving a further reason why the tapered sleeve construction was not pressed, stated:

We wanted to make the bar shown on Exhibit 1 and not the bar with the tapered sleeves.

The bar known as Exhibit 1 was the old straight sleeve connector.

[2] While we are not prepared to agree that this record shows a concealment and suppression of McKee's invention under the doctrine announced in *Mason* v. *Hepburn*, 13 App. D. C. 86, 84 O. G. 147, we are in agreement with the conclusion of the Patent Office tribunals that McKee has not established what he must establish to be successful here, namely, diligence during the critical period from immediately prior to the date of Stevens' entry into the field to his date of filing. This being our conclusion, he cannot be awarded priority.

The decision of the Board of Appeals is, therefore, affirmed.

AFFIRMED.

BLAND, *J.*, concurring.

I concur in the above conclusion for the reason assigned by the Board that upon the record what McKee did amounted only to an abandoned experiment.

U. S. Court of Customs and Patent Appeals

IN RE EASTMAN KODAK COMPANY

No. 4,388. Decided November 25, 1935

TRADE-MARKS—AFFIXING MARK TO THE GOODS.

Trade-mark "Twindar" for photographic lenses, which mark is etched on the plate mounted on the camera carrying the lens *Held* not affixed to the goods within the meaning of the Trade-Mark Act and registration thereof *Held* properly refused on this ground.

APPEAL from the Patent Office. Affirmed.

Mr. Newton M. Perrins and *Mr. George A. Gillette, Jr.* for Eastman Kodak Co.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.*:

The appellant, Eastman Kodak Company, made application in the United States Patent Office for registration of its trade-mark "Twindar" for photographic lenses on May 12, 1933. The application recites that the applicant has adopted and used the trade-mark shown in the accompanying drawing "for Photographic Lens, in Class 26." The application further states: "The trade-mark is applied by being etched on a metal plate on the camera carrying the lens." Both tribunals in the Patent Office denied registration, both holding that no trade-mark use of the word "Twindar" upon the lens by the appellant had been shown. The appellant appeals, contending that this holding was erroneous, and that the use of the word, as the name was practiced by the appellant, was a trade-mark use of the name within the meaning of the statutory provisions.

Section 1 of the Trade-mark Act of February 20, 1905, as amended, U. S. Code, title 15, section 81, states that, in making application for the registration of a trade-mark, the owner shall, among other things, give

"a statement of the mode in which the same is applied and affixed to goods, and the length of time during which the trade-mark has been used; * * *."

In section 29 of said act, U. S. Code, title 15, section 106, it is provided:

Sec. 29. That in construing this act the following rules must be observed, except where the contrary intent is plainly apparent from the context thereof: * * * a trade-mark shall be deemed to be "affixed" to an article when it is placed in any manner in or upon either the article itself or the receptacle or package or upon the envelope or other thing in, by, or with which the goods are packed or inclosed or otherwise prepared for sale or distribution.

Samples were before the court, showing the method of affixing the trade-mark. This method is illustrated below:



In our opinion, no trade-mark use within the provisions of the law above quoted has been shown, which would entitle the appellant to registration of his said mark. The name "Twindar" has not been used upon the lens itself, which is "the goods" to which the mark should have been "affixed." Whether the glass lens be considered as the goods, or the glass lens with its mounting, which might be commercially known as the lens, is immaterial, for the name was not affixed to either, but to a plate of metal on the front of the camera, and which composed a part of the camera.

The words "receptacle," "package," and "envelope" are thus defined by Webster's New International Dictionary, 1932:

receptacle, 1. That which serves, or is used, for receiving and containing something; a repository.

package, 5. That in which anything is packed; a box, case, barrel, crate, etc., in which goods are packed.

envelope, 1. That which envelops; a wrapper; an inclosing cover; esp., the cover or wrapper of a document, as of a letter.

The statute gives to the user of a trade-mark his choice, as a condition of registration, to either use the trade-mark upon the article itself, or to place it upon the receptacle, package, envelope, or other thing in, by, or with which the article is prepared for sale or distribution. It cannot properly be contended that the camera, of which this lens was a part, constituted the receptacle, or package, or envelope, or other thing in, by, or with which the lens was packed or inclosed, or otherwise prepared for sale or distribution.

It is true that the lens was prepared for sale or distribution with the other parts of the camera, but the camera constituted no part of the inclosure of the lens any more than a house may be considered to be the receptacle, or package, or envelope, in which the windows and doors of the house are enclosed.

It is argued that the placing of the mark in the case at bar was in conformity with that portion of said section 29, reading:

"* * * placed in any manner in or upon * * * the * * * other thing * * * with which the goods are packed or inclosed or otherwise prepared for sale or distribution."

We are not in harmony with this view. If, for instance, the "goods" upon which the registration of a trade-mark was sought was a rubber eraser, it would hardly seem enough to put the trade-mark upon the pencil to which it was attached, and with which it was sold. In such a case, the observer would have difficulty in knowing whether the trade-mark was that of the pencil or the eraser. The office of a trade-mark is to indicate or designate the origin of the goods to which the mark is to be applied. *Elgin Nat. Watch Co.* v. *Illinois Watch Case Co.*, 179 U. S. 665, 94 O. G. 703.

In our opinion, the language of the section quoted above may refer to such objects as the papers containing needles or pins, or the cards upon which such objects as buttons or some kinds of jewelry are mounted, and others of the same class, but certainly can not be held to include the camera here involved.

Some discussion has arisen in the case as to the possible application of the provision of the patent act, section 4900, R. S., U. S. Code, title 35, section 49, to the affixing of the trade-mark under the said trade-mark act. We are unable to see wherein any application of said patent act is permissible here. The acts are independent, and the provisions of one cannot be applied in administering the other, except where the statute, by terms, so directs.

Without approving all that is said by the Commissioner in his decision, we are of opinion that registration of this trade-mark was properly denied. The decision of the Commissioner of Patents is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

ABELL v. BEATRICE CREAMERY COMPANY

No. 3,536. Decided November 25, 1935

(79 F.(2d) 751)

TRADE-MARKS—SIMILARITY—"OLD MEADOW" AND "MEADOW GOLD".

Registration of the mark "Old Meadow" *Held* properly refused as being confusingly similar to the previously registered mark "Meadow Gold", used on goods of the same descriptive properties, from which it differs only in the arrangement of the words and the omission of the letter "G".

APPEAL from the Patent Office. Affirmed.

Messrs. Hawgood & Van Horn, Mr. Harvey R. Hawgood, and *Mr. Raymond Jones* for Abell.

Mr. Edward H. Merritt and *Mr. James Atkins* for Beatrice Creamery Co.

GARRETT, *J.*:

Appellant brings before us for review the decision of the Commissioner of Patents, in an opposition proceeding arising in the United States Patent Office, affirming the decision of the Examiner of Interferences sustaining the opposition and denying the registration sought.

Appellant sought to register the words "Old Meadow" for use as a trade-mark for milk, cream, butter, buttermilk, cottage cheese, and other dairy products, alleging continuous use thereof "since about September 1, 1924."

Appellee made formal opposition based upon registrations and prior use by it of the words "Meadow Gold" as a trade-mark for identical goods.

It is not disputed that a predecessor of appellee registered the mark "Meadow Gold" for butter long prior to appellant's claimed use of "Old Meadow", nor is appellee's title to the registration questioned. Neither is there any question as to appellee's prior use of its mark upon dairy products generally.

Upon this state of facts, the tribunals of the Patent Office concurred in holding that the only question to be considered (save a contention of estoppel interposed by appellant to which we shall later make reference) was that of the similarity of the opposing marks, and they concurred in finding the similarity to be so striking as that confusion in trade would be likely.

It seems obvious to us that this conclusion is sound. The marks, except in the arrangement of the words and the absence of the letter "G" in appellant's mark, are identical. The likelihood of confusion here is certainly as strong, if not stronger, than in the case of *Butter Packing Co.* v. *Piggly Wiggly Corp.*, 20 C. C. P. A. (Patents) 1069, 64 F.(2d) 1006, 488 O. G. 1063, where the opposing marks were "Slices O'Gold" and "Sunset Gold", applied to canned fruits and the like.

Upon the question of estoppel it is unnecessary to say more than that, under the rule announced with great definiteness in our decision in the case of *Skookum Packers Association* v. *Pacific Northwest Canning Co.*, 18 C. C. P. A. (Patents) 782, 45 F.(2d) 912, 408 O. G. 515, the question of estoppel has no place in this opposition proceeding.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,262,960, S. B. Smith, Incubator, D. C. Oreg. (Portland), Doc. E 9823, *S. B. Smith* v. *W. S. Parks*. Dismissed Nov. 25, 1935. Same, D. C. R. I., Doc. 496, *S. B. Smith* v. *G. H. Taber*. Settled Dec. 5, 1935. Same, D. C., N. D. Ohio, W. Div., Doc. E 1466, *S. B. Smith* v. *C. Wagoner et al.* Dismissed Dec. 19, 1935.

1,301,029, I. M. Dean, Bath cabinet, D. C. Va., E. Div., Doc. 281, *American Metallic Shower Bath Co.* v. *Richmond Engineering Co., Inc.* Dismissed June 15, 1934.

1,357,314, E. S. Cobb, Process of preventing frost or heat injury in orchards, filed Oct. 21, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E 106–D, *Cobb Temperature Regulator Co.* v. *J. A. Moffett.*

1,411,376, R. B. Reagan, Process of making a leather substitute, D. C., E. D. N. Y., Doc. E 7411, *Reagro, Inc.* v. *Star Bonding Co., Inc., et al.* Dismissed Dec. 5, 1935.

1,467,861, W. S. Barnickel, Process for treating petroleum emulsions, filed Nov. 26, 1935, D. C. Kans. (Wichita), Doc. 935–M, *The Tretolite Co.* v. *R. L. Study et al.*

1,526,982, E. W. Hill, Stencil sheet, filed Nov. 26, 1935, D. C., N. D. Ill., E. Div., Doc. 14937, *A. B. Dick Co.* v. *D. S. Logan et al.*

1,549,175, Adams & Reilly, Double acting hollow plunger pump, filed Dec. 4, 1935, D. C., E. D. Tex. (Beaumont), Doc. E 550, *Field Packed Pump Co. et al.* v. *S. Millins et al.*

1,562,121, H. H. Toll, Self starting steam reverse, filed Oct. 24, 1935, D. C., N. D. Ill., E. Div., Doc. 14878, *H. H. Toll (Marvel Mfg. Co.)* v. *Butler Bros. et al.*

1,572,052, Trent & Butler, Casing head, D. C., S. D. Calif., C. Div., Doc. E 645–H, *Trobaz, Inc.*, v. *Lyons Supply Co.* Consent decree holding patent valid and infringed Dec. 2, 1935.

1,652,007, D. E. Gamble, Clutch plate, filed Oct. 26, 1935, D. C., N. D. Ill., E. Div., Doc. 14881, *Borg-Warner Corp.* v. *Illinois Iron & Bolt Co.*

1,725,890, W. H. Brouse, Pump, filed Dec. 6, 1935, D. C., E. D. Ill. (East St. Louis), Doc. E 4630, *Borg-Warner Corp.* v. *The Rhodes-Barford House Furnishing Co., Inc.*

1,737,620, E. R. Talbot, Waffle iron, filed Nov. 13, 1935, D. C., N. D. Ill., E. Div., Doc. 14915, *R. Moore* v. *Walgreen Co.*

1,776,706, J. Schibler, Electrically energized spring motor, filed Oct. 24, 1935, D. C., N. D. Ill., E. Div., Doc. 14870, *W. W. Billings et al.* v. *Western Clock Co.*

1,779,488, E. F. Annis, Air filter, filed Nov. 30, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E 788–S, *E. F. Annis et al.* v. *King-Knight Co. et al.*

1,781,672, E. B. Working, Chocolate material and process of making same, filed Nov. 8, 1935, D. C., N. D. Ill., E. Div., Doc. 14910, *American Licithin Co.* v. *The Warfield Co.*

1,800,189, L. Edelmann, Hydrometer, bill for declaratory judgment, filed Nov. 2, 1935, D. C., N. D. Ill., E. Div., Doc. 14,904, *Triple-A Specialty Co.* v. *E. Edelmann & Co.*

1,808,967, S. Pinnsley, Cutting torch, filed Dec. 4, 1935, D. C., W. D. Pa., Doc. E 3157, *Smith Welding Equipment Corp. et al.* v. *D. A. Marra (National Torch Tip & Machine Co.).*

1,830,842, H. H. La Verombe, Hardness testing machine filed Nov. 27, 1935, D. C., E. D. Mich. (Detroit), Doc. 7341, *Abrasive Engineering Corp.* v. *The Carborundum Co.*

1,832,661, E. Wilson, Compressor, filed Dec. 6, 1935, D. C., E. D. Ill. (East St. Louis), Doc. E 4679, *Borg-Warner Corp. et al.* v. *The Rhodes-Barford House Furnishing Co., Inc.*

1,854,262, J. E. Johannesen, Overalls, filed Nov. 30, 1935, D. C., S. D. N. Y., Doc. E 81/337, *J. E. Johannesen* v. *Slip-O-Jack Co., Inc., et al.*

1,867,330, H. Schwartzman, Attaching device, filed Dec. 3, 1935, D. C., S. D. N. Y., Doc. E 81/391, *H. Schwartzman* v. *B. Friedenberg et al.* (*Friedenberg & Kaplan*).

1,875,295, M. Fox, Extension table, filed Dec. 3, 1935, D. C., W. D. Mich. (Grand Rapids), Doc. 2743, *R. W. Irwin Co.* v. *Dutch Woodcraft Shops.*

1,918,833, J. F. Carter, Power unit for individual lubricant guns, appeal filed Nov. 30, 1935, C. C. A., 8th Cir. (St. Louis), Doc. 10490, *The Arp Equipment Corp.* v. *Herring-Wissler Co.* Doc. 10494, *Herring-Wissler Co.* v. *The Arp Equipment Corp.*

1,937,899, J. H. Le Coney, Training panties, filed Nov. 6, 1935, D. C., N. D. Ill., E. Div., Doc. 14906, *Kenosha Knitting Co.* v. *Rubens & Marks, Inc.*

1,966,691, Shapiro & Jaffe, Transmission apparatus, C. C. A., 2d Cir., Doc. —, *H. Shapiro et al.* v. *J. Iannone et al.* (*Iannone Bros.*). Decree reversed (notice Dec. 2, 1935).

1,974,535, A. M. Grafis, Motor vehicle, filed Nov. 26, 1935, D. C., N. D. Ill., E. Div., Doc. 14942, *K. M. Grafis et al.* v. *T. J. May, Inc.*

1,987,360, F. E. Key, Return bend fitting, suit for declaratory judgment, filed Dec. 3, 1935, D. C., E. D. Ill. (East St. Louis), Doc. 4677, *Stockham Pipe Fittings Co.* v. *F. E. Key et al.*

2,012,879, A. B. Knoebler, Undergarment, filed Oct. 22, 1935, D. C., N. D. Ill., E. Div., Doc. 14873, *Coopers, Inc.*, v. *Bear Bros. & Prodie, Inc.*

2,017,897, J. A. Heverstine, Electric sign, filed Dec. 7, 1935, D. C., N. D. Ohio, W. Div., Doc. E 1511, *Neon Products, Inc.*, v. *A. W. Parker (Toledo Glass Sign Co.).*

Des. 87,087, J. J. Klecka, Finger ring, filed Nov. 18, 1935, D. C., N. D. Ill., E. Div., Doc. 14919, *J. B. Wood & Sons, Inc.*, v. *Bernstein Bros. (The U. S. Loan Bank).*

Des. 90,076, C. H. Hiser, Grave vault, D. C., N. D. Ohio, E. Div., Doc. 4802, *The Springfield Metallic Casket Co.* v. *The National Grave Vault Co.* Consent decree holding patent valid and infringed, injunction granted Dec. 2, 1935.

Des. 90,127, S. Rosenhouse, Women's coverall garment, D. C., S. D. N. Y., Doc. E 76/167, *Betsy Ross Needlework Co. et al.* v. *H. Furbee.* Consent order of discontinuance (notice Nov. 27, 1935).

Des. 91,002, M. Weber, Air circulator, filed Oct. 31, 1935, D. C., N. D. Ill., E. Div., Doc. 14890, *M. Weber* v. *E. Holada (Commercial Electric Service Co.).*

Des. 95,511, N. K. Kean, Shoe, D. C., N. D. Ill., E. Div., Doc. 14788, *O'Connor & Goldberg* v. *Maling Bros., Inc.* Dismissed on motion of plaintiff Oct. 2, 1935.

Des. 97,100, H. A. Siemund, Ship model ornament, D. C., N. D. Ill., E. Div., Doc. 14868, *Franklin Die Casting Co., Inc.*, v. *General Chromium & Copper Corp. et al.* Dismissed on motion of plaintiff Oct. 21, 1935, Doc. 14869, *E. Tomes & Co.* v. *Franklin Die Casting Co.* Dismissed Oct. 29, 1935.

Des. 97,126, A. Finaly, Handkerchief, filed Nov. 27, 1935, D. C., S. D. N. Y., Doc. E 81/381, *Alfred Kohlberg, Inc.*, v. *I. S. Assin et al.* Doc. E 81/382, *Alfred Kohlberg, Inc.*, v. *S. Levy et al.* (*S. M. Levy & Son*).

T. M. 72,228, Martell & Co., Brandies, filed Oct. 26, 1935, D. C., N. D. Ill., E. Div., Doc. 14883, *J. E. Martell (Martell & Co.)* v. *Chicago Beverage Co. et al.*

T. M. 114,576, James Thompson & Bro., Whisky, filed Nov. 22, 1935, D. C., N. D. Ill., E. Div., Doc. 14938, *Glenmore Distilleries Co.* v. *E. Lisks & Sons, Inc.*

T. M. 177,561, L. Klein, Inc., Flour, canned fruits, etc., D. C., N. D. Ill., E. Div., Doc. 14796, *L. Klein, Inc.*, v. *L. Kuderna (Ellenbay Products Co.).* Decree holding infringement of Trade-Mark 177,561, and ordering L. Kuderna to deliver to Commissioner of Patents Trade-Mark Certificate 323,423 for cancellation Oct. 18, 1935.

T. M. 226,785, Corning Distilling Co., Whisky, D. C., N. D. Ill., E. Div., Doc. 14776, *The Old Quaker Co.* v. *Crown Spirits Co.* Consent decree enjoining defendant Nov. 21, 1935.

T. M. 261,875, Atlas Copper & Brass Mfg. Co., Water stills, filed Nov. 12, 1935, D. C., N. D. Ill., E. Div., Doc. 14913, *The Atlas Copper & Brass Mfg. Co.* v. *U. S. Bottlers Machinery Co.*

T. M. 323,423. (See T. M. 177,561.)

Changes in Classification

(ORDER NO. 3,337)

U. S. PATENT OFFICE, *Washington, Jan. 11, 1936.*

The following transfers, to take effect Monday, January 13, 1936, are hereby ordered:

Class 260, Chemistry, Carbon Compounds, subclasses 167 to 171, inclusive, from Division 6 to Division 31; subclasses 27 to 54, inclusive, from Division 6 to Division 59.

RICHARD SPENCER,
First Assistant Commissioner.

Changes in Classification

Order No. 3,339, January 14, 1936, directs:

In class 126, Stoves and Furnaces (Division 19), change the title of subclass 204, Foot warmers, to read:

204 Body warmers,

this change to apply to each of the indented subclasses; and add to the definition the following notes:

Search Classes—
126—SURGERY, subclass 254, and indented subclasses, for devices for modifying the temperature of the body combined with means for applying medicinal treatment.
150—CLOTH, LEATHER, AND RUBBER RECEPTACLES, subclass 2.1, and indented subclasses, for receptacles of such materials known in the art as hot-water and ice bags.
215—BOTTLES AND JARS, appropriate subclasses, for receptacles of glass, ceramic or similar material for retaining a heating or cooling medium.
219—ELECTRIC HEATING, subclass 12, and indented subclasses, particularly subclass 46, for electrically heated devices for applying heat to the body.
220—METALLIC RECEPTACLES, subclass 3.1, for metallic receptacles similar to hot-water and ice bags.
237—HEAT EXCHANGE, subclass 12, for devices for exchanging heat with the body where the combination with the heating or the refrigerating means is not claimed;

and in the definitions of subclasses 206, 207, 208, and 209, change the word "Foot" in line 1 to ready *Body*.

In class 128, *Cloth, Leather, and Rubber Receptacles* (Division 29), establish the following subclasses and definitions:

Page
2.1 Thermal material
2.2 Article or member inclosing
2.3 Head or face,
2.4 Limb,
2.5 Multi-compartment,
2.6 With attaching means,
2.7 Internal bag spreaders.

2.1. Bags designed to hold a hot or cold material, usually water or ice, of the type known as hot-water bottles or ice bags.

Search Classes—
126—SURGERY, subclass 254, and indented subclasses, for devices for modifying the temperature of the body combined with means for applying medicinal treatment.
215—BOTTLES AND JARS, appropriate subclasses, for receptacles of glass, ceramic or similar material for retaining a heating or cooling material.
220—METALLIC RECEPTACLES, subclass 3.1, for metallic receptacles similar to hot-water and ice bags.

2.2. Bags under subclass 2.1 which surround or inclose partially or wholly the article or body part to which they are applied.

Search Class—
126—SURGERY, subclass 209.

2.3. Bags under subclass 2.2 which are to be applied to the head or face.

2.4. Bags under subclass 2.2 which are to be applied to a limb.

2.5. Bags under subclass 2.1 which have a plurality of compartments for retaining the material.

2.6. Bags under subclass 2.1 which have means for attaching the bags in position on the article or body part.

2.7. Bags under subclass 2.1 having means within the bag to hold the walls of the bag apart.

The patents contained in these subclasses have been taken for the most part from class 128, Surgery, subclasses 206, 207, 208, and 209, and from class 150, Cloth, Leather, and Rubber Receptacles, subclass 1.

In class 220, *Metallic Receptacles* (Division 40), establish the following subclass and definition:

3.1 Thermal material.

3.1. Receptacles within the class definition which are designed to hold hot or cold material and to be used in the manner of hot-water bottles or ice bags.

Search Classes—
126—SURGERY, subclass 254, and indented subclasses, for devices for modifying the temperature of the body combined with means for applying medicinal treatment.
150—CLOTH, LEATHER, AND RUBBER RECEPTACLES, subclass 2.1, and indented subclasses, for receptacles of such materials of the type known as hot-water and ice bags.
215—BOTTLES AND JARS, appropriate subclasses, for receptacles of glass, ceramic or similar material for retaining a heating or cooling material.
251—DISPENSING, subclass 25, for canteens and flasks.

The patents contained in this subclass have been taken for the most part from class 128, Surgery, subclass 254, and from class 126, Stoves and Furnaces, subclass 204.

In class 65, *Refrigeration* (Division 44), add to the definition of subclass 9 the following notes under "Search Class":

126—SURGERY, subclass 206, and indented subclasses, for devices for modifying the temperature of the body combined with means for applying medicinal treatment.
150—CLOTH, LEATHER, AND RUBBER RECEPTACLES, subclass 2.1 and indented subclasses; 215, BOTTLES AND JARS, appropriate subclasses, and 220, METALLIC RECEPTACLES, subclass 3.1, for more receptacles of the type known as hot water or ice bags, etc.

In class 60, *Surgery* (Division 50), add to the definition of subclass 254 the following notes:

Note.—For more receptacles of the type known as hot-water or ice bags, etc., search classes 150, CLOTH, LEATHER, AND RUBBER RECEPTACLES, subclass 2.1, and indented subclasses; 215, BOTTLES AND JARS, appropriate subclasses, and 220, METALLIC RECEPTACLES, subclass 3.1.

Note.—For body warmers combined with heating means, see class 219, ELECTRIC HEATING, subclass 46, when the heating means is electrical, and class 126, STOVES AND FURNACES, subclass 204, and indented subclasses, for other heating means.

Note.—For body coolers combined with refrigerating means, see class 62, REFRIGERATION, particularly subclass 9.

Note.—For devices for exchanging heat with the body where the combination with the heating or refrigerating means is not claimed, see class 237, HEAT EXCHANGE, subclass 12.

In class 126, *Stoves and Furnaces* (Division 56), add to the definition of subclass 1 the following notes:

Note.—Devices for modifying the temperature of the body combined with means for applying medicinal treatment are in class 128, SURGERY, subclass 254, and indented subclasses.

Note.—Other devices known as hot-water or ice bags, bottles, etc., are in classes 150, CLOTH, LEATHER, AND RUBBER RECEPTACLES, subclass 2.1, and indented subclasses, and 220, METALLIC RECEPTACLES, subclass 3.1.

In class 165, *Heat Exchange* (Division 21), add to the definition of subclass 12 the following notes:

Note.—For more receptacles for containing heated or cooled material, see classes 150, CLOTH, LEATHER, AND RUBBER RECEPTACLES, subclass 2.1, and indented subclasses; 215, BOTTLES AND JARS, appropriate subclasses, and 220, METALLIC RECEPTACLES, subclass 3.1.

Search Classes—
62—REFRIGERATION, particularly subclass 9, for body cooling devices combined with refrigerating means.
126—STOVES AND FURNACES, subclass 204, and indented subclasses, for body warmers combined with heating means, except where such heating means is electrical, for which see class 219, ELECTRIC HEATING, subclass 46, and indented subclasses, particularly subclass 46;
128—SURGERY, subclass 254, and indented subclasses, for devices for modifying the temperature of the body combined with means for applying medicinal treatment.

and cancel the references to classes 126, Stoves and Furnaces, and 128, Surgery.

In class 219, *Electric Heating* (Division 49), add to the definition of subclass 12 the following notes:

Note.—For other devices for heating bodies, see class 126, STOVES AND FURNACES, subclass 204, and indented subclasses, when combined with non-electrical heating means, and class 237, HEAT EXCHANGE, particularly subclass 12, where the heating device is not claimed in the combination, and appropriate receptacle classes where a mere receptacle for heated material is claimed.

Search Class—
126—SURGERY, subclass 254, and indented subclasses, for devices for modifying the temperature of the body combined with means for applying medicinal treatment.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING DECEMBER, 1935

In THE POPSICLE CORPORATION OF THE UNITED STATES v. ALFRED BERNS, Opposition No. 13,364, decision rendered December 4, 1935, (159 Ms. Dec. 506), *Assistant Commissioner Frazer* held that Alfred Berns, of Gallport, Miss., who had sought to register the words "ALASKA TWISTS" as a trade-mark for frozen confections and after an opposition had been filed to the registration by The Popsicle Corporation of the United States, of New York, N. Y., filed a disclaimer of the word "Alaska" apart from the mark, could not, after the opposition was sustained by the Examiner of Interferences, cancel that disclaimer.

In his decision the Assistant Commissioner said:

"While Patent Office procedure is of course less formal than that which prevails in the courts, we must nevertheless observe enough of the basic rules to insure some degree of regularity and order. To permit an appellant in an opposition proceeding to change the record upon which the decision appealed from is predicated would not only require a radical departure from the fundamental theory of appellate procedure, but would inevitably result in uncertainty and confusion.

"The disclaimer here involved was voluntarily made, and the mere fact that it failed to accomplish what applicant evidently hoped it would is not considered a sufficient reason to warrant its withdrawal at this late date."

In JULIUS SCHMID, INC., v. RALPH G. A. BECK, Opposition No. 13,396, decision rendered December 6, 1935, (159 Ms. Dec. 507), *First Assistant Commissioner Spencer* held that the opposition filed by Julius Schmid, Inc., of New York, N. Y., to the registration by Ralph G. A. Beck, of Montreal, Quebec, Canada, of a trade-mark for nursing bottle nipples, described as consisting of a pink band placed around the collar of the nipple, was properly dismissed, but also held the mark unregistrable on the ground that the band was merely a physical part of the nipple.

In his decision the First Assistant Commissioner stated that the opposition was based on the alleged use of a mark consisting of a band placed around the collar of the nipple and that no color was indicated in the drawing; that the brief filed by the opposer was not sufficient answer to the order to show cause why the opposition should not be dismissed for failure to take proof and that this was not a case where the opposer had pleaded a prior trade-mark registration which would speak for itself nor a case where applicant had filed a demurrer or failed to answer, but a case where the allegation of the opposition had been denied and the opposer had not established by competent proof that he had acquired the right to use the mark prior to applicant's use or that probable damage would occur.

With respect to applicant's right to register the mark, he said:

"Applicant's pink band extends over practically the entire width of the collar of the nipple, and the collar constitutes a substantial portion of the nipple, under which condition the pink ring or band is not registrable as a trade-mark. The cases distinctive to hand in the following decisions: *Re parte The B. F. Goodrich Co.*, 120 Ms. D. 130; 6 T. M. Rep. 287; *Goodyear Tire & Rubber Co. v. Firestone Tire & Rubber Co.*, 240 O. G. 641; 122 Ms. D. 62; 7 T. M. Rep. 400. In the former, a red band on automobile tires was held to be a proper trade-mark; not, in the latter, the tread or side walls of an automobile tire being of a different color from the remainder, was held to be not a valid trade-mark. The red band, in the former case, was not a substantial portion of the tire, whereas the tread or side wall portion of a tire constitutes a substantial portion thereof."

In ROSEMOOR HOSIERY CO. v. JOSEPH S. LERNER, Opposition No. 13,022, decision rendered December 9, 1935, (159 Ms. Dec. 517), *First Assistant Commissioner Spencer* held that the opposition of Holeproof Hosiery Co., of Milwaukee, Wis., to the registration by Joseph S. Lerner, of Kansas City, Mo., of a trade-mark for hosiery consisting of the word "JANUARY" and the words "This Month" was properly sustained.

The ground of the decision is that such a mark was descriptive and no one had a right to register it and the opposer had shown that it would be damaged.

In his decision the First Assistant Commissioner noted that the case was one of a series in which the applicant sought to register the notation of one of the months and the words "This Month" and that the opposer had used the notation "JANUARY" in advertising its product. He then discussed the question as to whether the term "JANUARY" was descriptive of hosiery, calling attention to the evidence establishing that different styles of hosiery were advertised at different times of the year and it had long been customary, on the part of the opposer, to feature and describe hosiery with reference to the particular month for which the use of the hosiery was intended.

He then said:

"In my opinion the names of the months have so long been used in conjunction with the sale of hosiery that they have become descriptive and no one is entitled to appropriate them exclusively under the doctrine of *Re parte Pillsbury Flour Mills Company*, 23 O. G. Pat. Q. 165; 24 T. M. Rep. 553; 480 O. G. 4. Also it would seem that when used in the manner herein contemplated, they constitute grade marks and as such are not registrable under well established doctrines governing the registration of trade-marks."

IN RE PARTE INTERNATIONAL HARVESTER COMPANY, Serial No. 335,902, decision rendered December 9, 1935, (159 Ms. Dec. 516), *First Assistant Commissioner Spencer* held that International Harvester Company, of Chicago, Ill., is not entitled to register, under the Act of 1920, the notation "TracTracTor", in view of the prior registration by another of the term "TRUCTRACTOR", registration No. 161,512, on substantially the same goods.

The ground of the decision is that the marks are substantially the same and therefore are confusingly similar.

With reference to the goods, the First Assistant Commissioner noted that applicant uses the mark on track-laying tractors, whereas the registered mark was used on wheeled tractors, and stated that these goods were believed to be of the same descriptive properties since a prospective purchaser could reasonably assume that both types of tractors emanated from a single source of manufacture.

With reference to the marks themselves, he said:

"Coming to the words themselves, they are identical except for the third letter in each. In the applicant's notation the third letter is an 'a,' whereas in the prior registration it is a 'u.' From the standpoint of similarity in both sound and appearance as well as in meaning, the words are substantially the same. It is true, as the applicant points out, that in its notation the tail portion of the cross bar on each letter 'T' is extended to overlie the letters next adjacent but, obviously, the petitioner has a poor case if such minute differences must be relied on in order to distinguish the two marks. How, for example, is a prospective purchaser to remember which mark has the extended 'T'? The answer is that the purchaser cannot remember, nor should he be expected to."

In EX PARTE DAVIS PAINT COMPANY, Serial No. 357,544, decision rendered December 9, 1935, (159 Ms. Dec. 510), *First Assistant Commissioner Spencer* held that Davis Paint Company, of No. Kansas City, Mo., is not entitled to register, under the Act of 1905, the term "MANCHESTER" as a trade-mark for oils and paints.

The ground of the decision is that the term is merely geographical.

In his decision, after stating that it is well established that the word is geographical and noting the places having that name, the First Assistant Commissioner referred to applicant's argument as to other meanings of the word which were not primarily geographical, and said:

"All the meanings or definitions upon which the applicant relies in seeking to establish the fact that the word 'MANCHESTER' is not geographical are remote and incidental. Certainly, the primary meaning of the word 'MANCHESTER' is purely geographical and few, if any, members of the purchasing public would give it any other significance."

Then, after referring to applicant's citation of the decision in *In re* Plymouth Motor Corp., 46 F.(2d) 211; 404 O. G. 269; 18 C. C. P. A. 838, and his argument that the word "MANCHESTER" had acquired a secondary meaning, he said:

"In conclusion, it is held, first, that the word 'MANCHESTER' is predominantly and clearly geographical; second, that any secondary meaning is so insignificant as to be negligible; third, that under the decision of this tribunal in the Canada Dry case, (159 Ms. D. 487; 28 U. S. Pat. Q. 544; 28 T. M. Rep. 374) the mark, even if it has acquired a secondary meaning, must be refused registration."

In SEARS, ROEBUCK AND CO. *v.* VILAS, Opposition No. 12,881, decision rendered December 9, 1935, (159 Ms. Dec. 510), *First Assistant Commissioner Spencer* held that Malcolm B. Vilas (The Coast-2-Coast Oil Co., assignee, substituted), of Cleveland, Ohio, is entitled to register as a trade-mark for lubricating oils, the words "COAST-2-COAST", notwithstanding the prior use by Sears, Roebuck and Co., of Chicago, Ill., of the words "CROSS COUNTRY" as a trade-mark for the same goods.

In his decision the First Assistant Commissioner said:

"In appearance and in sound the notations 'CROSS COUNTRY' and 'COAST-2-COAST' are dissimilar. In meaning there is some remote similarity; however, comparing the points of difference with those of similarity, I am constrained to hold that the marks are not confusingly similar and that the applicant therefore is entitled to the registration which it seeks."

In JAMES MARTIN & CO., LTD., *v.* V. CASANZA & BRO., Opposition No. 13,208, decision rendered December 9, 1935, (159 Ms. Dec. 512), *First Assistant Commissioner Spencer* held that an opposition by James Martin & Co., Ltd., of Leith, Scotland, to the registration by V. Casanza & Bro., of New York, N. Y., of the term "Royal George," as a trade-mark for Scotch whisky, was properly sustained.

The First Assistant Commissioner pointed out in his decision that the opposer had been selling whisky in the United States under the said trade-mark prior to prohibition and thereafter had sold to the applicant 5,000 cases of "Royal George" whisky, the applicant holding a permit from the Government to sell whisky to wholesale druggists; that there was correspondence between the opposer and the applicant with reference to the question of opposer's interest in the trade-mark and that without notifying the opposer, the applicant had copyrighted, in its own name, the label used and had filed its application for registration of the trade-mark.

After stating the facts as above, he said:

"A manufacturer who by the passage of the National Prohibition Act was compelled to cease use of its mark in the United States cannot properly be said to have abandoned its mark in this country. Abandonment is a matter of intention and is exceedingly non-quo cannot be defined as an intentional non-user. Another way of saying the same thing is that abandonment must be voluntary and not involuntary. It is accordingly concluded that, entirely apart from the relationship between the parties during Prohibition, the opposer had not lost its title to the mark by reason of its alleged non-use during that period but, on the contrary, was entitled to its sole and exclusive use upon the repeal of Prohibition provided, of course, that it could show it was so entitled at the time Prohibition went into effect."

After stating that the applicant had the right to use the name "Royal George" only by virtue of the fact that it was the exclusive sales agent of the opposer in the United States, he further said:

"Even if the applicant's name alone had been used upon the product during this time, which of course it had not, it would not have had the right upon the termination of the contract to continue to use the name. *Swinton & Tavelscope Co. v. Adolphus Furnace Co.*, 258 Ky. 673; 81 S. W. (2d) 1 (1935) and cases there cited. The license to use the mark together with the sale of the product cannot properly be held to constitute an abandonment."

He then noted the argument on behalf of the applicant that in order to succeed the opposer must be using the mark at the time of bringing the opposition proceeding and that the present opposer was not using the mark at the time this opposition was filed and had not used it since 1921, and said:

"There are two answers to this. In the first place, the use of the mark by the applicant was, through principles of agency, the use of the mark by the opposer, the latter standing in the position of principal and the former in the position of agent; and so it can fairly be said that throughout the period in question the opposer was indeed using the mark and that it is the applicant who has in fact never used it in its own right. The second answer is that the opposer's so-called non-use can be traced to the wrongful acts of the applicant for if the applicant had initially, following repeal of Prohibition, made clear its intent to claim the mark for itself, the opposer would undoubtedly have established other connections and commenced its use in this country."

In EX PARTE W. C. KALASH, Serial No. 345,236, decision rendered December 18, 1935, (159 Ms. Dec. 521), *First Assistant Commissioner Spencer* held that W. C. Kalash, of Omaha, Nebr., is not entitled to register, under the Act of March, 1920, the notation "LORD'S" as a trade-mark for aspirin tablets, in view of the prior registration of the signature "L. S. Lord" with the fanciful notation "NERVONEVE," as a trade-mark for a preparation for the treatment of neuralgia, toothache, etc.

The ground of the decision is that the marks are confusingly similar.

In his decision, after stating that the goods of the two parties are of the same descriptive properties, the First Assistant Commissioner said, with reference to the mark:

"That the marks are confusingly similar is clear, because, in the registered mark, the notation 'L. S. Lord' is distinctively displayed as the signature of the inventor of the preparation, and the notation 'Lord' is therefore a prominent and essential feature of the registered mark. There can be no doubt but that 'Lord' and 'LORD'S' are confusingly similar, and it is not permissible to extract a prominent feature from a mark belonging to another and register it alone."

In EX PARTE KINGAN & CO., INCORPORATED, Serial No. 354,752, decision rendered December 14, 1935, (159 Ms. Dec. 522), *First Assistant Commissioner Spencer* held that Kingan & Co., Incorporated, of Indianapolis, Ind., is not entitled to register, under the Act of 1905, as a trade-mark for sliced bacon, etc., a mark consisting of two rectangles, the groups being widely separated and symmetrically disposed with reference to vertical and horizontal axes.

The ground of the decision is that, as shown by the specimens, the alleged mark is not a trade-mark but a mere part of what applicant actually uses.

In his decision, after stating that the rectangles comprise lateral border portions of the labels and form a setting for the picture of a skipper at the wheel of his vessel, surrounded by narrow yellow panels for the reception of descriptive matter, the First Assistant Commissioner said:

"Since it does not appear that the rectangles shown on the drawing have ever been used otherwise than in connection with the other features as shown in the specimens submitted, it is evident that the applicant seeks to register only a fragmentary part of the mark as used. To register mutilated marks, leaving off features just as prominent as those presented for registration, would lead to erratic results and endless confusion. There is no authority for registering a part of a mark, and to permit it to be done would be to falsify the record and mislead the public as to the mark actually in use."

He further held that the description given of the mark was indefinite by reason of the statement that the trade-mark comprises "Two laterally spaced groups," etc., and that the drawing is "lined for contrast."

In this connection he said:

"To relate that the mark 'comprises' certain features is not sufficient. The description must completely and clearly describe the mark and must be unequivocal and definite. To relate that certain features are 'of contrasting color' or that certain of the features are 'at present' of a particular color is too indefinite, conveys no adequate impression of the mark and cannot be permitted. If the applicant does not claim color, it should specifically say so, and, if color is claimed, the particular color or colors should be definitely recited."

In HERSHEY CHOCOLATE CORPORATION *v.* COMMERCIAL MILLING COMPANY, Opposition No. 13,335, decision rendered December 14, 1935, (159 Ms. Dec. 525), *First Assistant Commissioner Spencer* held that Commercial Milling Company, of Detroit, Mich., is not entitled to register a mark including the notation "QUIKMIX" for use on biscuit flour, since that notation is merely descriptive of the goods.

In his decision the First Assistant Commissioner noted that the opposer, the Hershey Chocolate Corporation, of Hershey, Pa., did not appeal from the decision of the Examiner of Interferences dismissing the opposition and that the refusal to register was made by the Examiner, and the case was before the First Assistant Commissioner as an *ex parte* case.

With reference to the descriptiveness of the mark, after noting that the word "QUIKMIX" is the dominant feature of the mark considered as a whole, because it is the only spoken word and that, if it is descriptive and must be disclaimed, nothing is left of the mark, he said:

"Indeed, it might be said at this point that the case is closed because there is a disclaimer of this word, but here, on appeal, the applicant seeks to withdraw the disclaimer and substitute for it another one in which, in view of my decision in *Ex parte Pillsbury Flour Mills Company*, 28 U. S. Pat. Q. 168; 24 T. M. Rep. 558; 450 O. G. 3, the word 'QUIK' is disclaimed apart from the word 'MIX' and the word 'MIX' apart from the word 'QUIK.' This procedure, as an appellate one, cannot be permitted in view of the decision recently handed down in the case of *The Popsicle Corporation of the United States v. Alfred Bereia*, 159 Ms. D. 506. Thus the applicant cannot on appeal amend its disclaimer and thereby obtain registration of the mark."

Then, after referring to and quoting from the decision in *Ex parte Pillsbury Flour Mills Company*, *supra*, and noting that the applicant was allowed to disclaim each of the words of the compound word "MINITMIX", he said:

"Applying the above-quoted extract to the term at bar, namely, 'QUIKMIX,' I am of the opinion that the latter is descriptive and cannot properly be said to fall within the rule of the Pillsbury case. I have repeatedly said that the difficulty of distinguishing between suggestive and descriptive notations is that they shade gradually, almost imperceptively, from one type to the other. A single decision leads invitingly to a decision going a little farther afield, that one to another a little more remote, and so on, until one suddenly realizes, generally with dismay, that he has traveled far from the starting point, and that the path which once seemed so clear has become thoroughly cluttered and obscured, preventing return to the point of departure. Although to progress beyond the 'MINITMIX' case and hold that 'QUIKMIX' is not descriptive might appear to the applicant to be but a small step to take, it should not in my opinion, be taken.

* * * * * * *

"The outstanding characteristic of the prepared mixture is that it may be quickly or speedily prepared. The meaning of the term 'mix' or 'mixture' is too clear and well-known to require any discussion here. It is obviously thoroughly and wholly descriptive of the applicant's product. The term 'QUIK' is likewise used in a normal and natural manner to describe the applicant's goods which are capable of being, and mainly intended to be, quickly prepared."

In GENERAL MILLS, INC., *v.* COMMERCIAL MILLING COMPANY, Opposition No. 13,347, decision rendered December 14, 1935, (159 Ms. Dec. 534), *First Assistant Commissioner Spencer* held that the notation "QUIKMIX" for use on biscuit flour is not confusingly similar to the notation "BISQUICK" on the same goods, but that the mark "QUIKMIX" is not

registrable to the applicant since it is merely descriptive of the goods.

With reference to the similarity of the marks, he said:

"Taking first upon the opposer's appeal, I am constrained to the view that there is no confusing similarity between the notations. It is true that each contains the descriptive word 'QUICK' although in the applicant's mark the word is phonetically spelled 'QUIK'. Beyond this, however, I am unable to distinguish any points of similarity. Certainly, the prefix 'BIS' and the suffix 'MIX' are dissimilar and, as used in the notations here involved, serve, in my opinion, to distinguish the terms from one another to the point of avoiding the likelihood of confusion. It is true that the opposer seeks to prove instances of actual confusion but it is my belief that these can be traced to the similar manner in which the parties conduct their premises campaigns rather than to any confusing similarity between the marks themselves."

And then, with respect to the descriptiveness, he said:

"The remaining question to be decided is whether the term 'QUIKMIX' is descriptive and on this point, for reasons fully set forth in opposition proceeding No. 13,236 between *Harvey Chocolate Corporation* v. *Quikmix Milling Company*, decided on this same date, I am of the belief that the notation is descriptive and must for that reason be refused registration."

In BUSHMILL WINE & PRODUCTS COMPANY, INC., v. THE OVERBROOK COMPANY, INC., Trade-Mark Interference No. 2954, decision rendered December 17, 1935, (159 Ms. Dec. 529), *First Assistant Commissioner Spencer* held that priority of adoption and use of the term "Overbrook" for use on whiskey was properly awarded to Bushmill Wine & Products Company, Inc., of Scranton, Pa.

In his decision, after stating that the evidence showed that the first alleged interstate shipment of the goods by The Overbrook Company, Inc., of Baltimore, Md., was on December 21, 1933, the First Assistant Commissioner stated that the testimony showed that the Bushmill Company made a shipment in interstate commerce on January 19, 1934, but had made a sale in intrastate commerce on December 12, 1933, and said:

"It must accordingly be held that for all practical purposes the intrastate sale by Weinberger in the early part of December, 1933, has the full force and effect that it would have had, had it been made by Bushmill itself. It has previously been held that oral evidence of a transfer of business is sufficient if not objected to. *American West Indian Cigar Co.* v. *Grimsfelder Co.*, 4 T. M. Rep. 181; 110 Ms. D. 78."

He then, after stating that the only question to be decided was whether the Bushmill intrastate sale followed by the interstate transaction, established priority of adoption and use of the mark, said:

"The right to register a trade-mark depends upon ownership of that mark and ownership of a mark depends upon priority of adoption and use. Under the circumstances, it must be held that the Bushmill Company acquired ownership of the mark by virtue of having made the intrastate sale on December 12, 1933 and, although this sale itself did not entitle Bushmill to register the mark, for it had not at that time been used in interstate commerce, the subsequent shipment in January, 1934 placed Bushmill in a position to register the mark, ownership of which it had previously acquired."

In EX PARTE LANGBROOK, INC., Serial No. 351,020, decision rendered December 17, 1935, (159 Ms. Dec. 528), *First Assistant Commissioner Spencer* held that Langbrook, Inc., of New York City, N. Y., is not entitled to register, under the Act of 1905, as a trade-mark for clothing, the word "Langbrook", in view of the prior registration by another (Registration No. 190,197) of the word "Langrock" on the same goods.

In his decision, after stating that applicant's mark included other features, the First Assistant Commissioner said:

"In my mind, the predominant part or salient feature of each mark is the name. In glancing at the marks, people are more likely to observe and remember the word than the background which is merely incidental. Also, in calling for the goods or speaking of them, only the word feature can be used. The question therefore to be considered is whether the words 'Langbrook' and 'Langrock' are confusingly similar and when we put the marks in action. They are clearly of confusingly similarity. In both sound and appearance they are very much alike and I am convinced that the use of both on the same goods would tend to produce confusion."

In STANCO INCORPORATED v. BECKER PRODUCTS CORPORATION, Opposition No. 12,662, decision rendered December 23, 1935, (159 Ms. Dec. 531), *First Assistant Commissioner Spencer* held that Becker Products Corporation, (Kotodam Corporation of America, by change of name) of South Bend, Ind., is entitled to registration of the notation "KoToFoam" as a trade-mark for a fabric cleaner, notwithstanding the prior adoption and use by Stanco Incorporated, of New York City, N. Y., of the term "Kote" as a trade-mark for white mineral oil and lubricating oil.

The ground of the decision is that the goods are not of the same descriptive properties.

In his decision the First Assistant Commissioner referred to his holding in *Meredith Publishing Company* v. *O. M. Scott & Sons Co.*, 458 O. G. 2, where it was held that if the goods of the respective parties are not of the same descriptive properties, the opposition must be dismissed, and said:

"* * * I am constrained to disagree with the Examiner and to hold that a liquid cleaning compound suitable for use on fabrics, on the one hand, and white mineral oil and lubricating oil, on the other, are goods of different descriptive properties. The applicant's cleaner is adapted for use on rugs, carpets, upholstery, chairs, sofas, portieres, drapes, table covers, divans, lounges, rockers, automobile interiors, wearing apparel, office, store, and hotel furnishings. The opposer's product is a concentrated liquid adapted to be mixed with the fuel of internal combustion engines in order to lubricate the upper motor parts such as the pistons and cylinder walls."

He further said:

"So far as I can see, the only instance where the goods would ever find any common field of employment would be in conjunction with automobiles and the mere fact that two products can both be used on an article as large and complex as an automobile is not, to my mind, any reason for concluding that they are of the same descriptive properties. I do not see how it is logical to form a general definition for liquid cleaners for fabrics and lubricating oil for motors and, therefore, I do not see how, under controlling decisions, some of which follow, they are possess the same descriptive properties."

In SEARS, ROEBUCK AND CO. v. ALLIED BATTERY CORPORATION, Opposition No. 12,502, decision rendered December 24, 1935, (159 Ms. Dec. 532), *First Assistant Commissioner Spencer* held that Allied Battery Corporation, of Dayton, Ohio, is entitled to register a trade-mark consisting of the word "Allied" with an outline map of the United States in the background and the expression "COAST TO COAST" thereabeneath, notwithstanding the prior use by Sears, Roebuck and Co., of Chicago, Ill., of the words "CROSS COUNTRY" alone and in combination with an outline map of the United States, if applicant would disclaim the outline map.

In his decision the First Assistant Commissioner said:

"If the outline map is disclaimed from the applicant's first notation, as it is proposed to do, the remaining indicia comprise the word 'Allied' and the expression 'COAST TO COAST'. In my opinion, there is no confusing similarity between this remaining notation and either of the opposer's marks. In my recent decision in the case of *Sears, Roebuck and Co.* v. *Malcolm E. Wiles*, 159 Ms. D. 510, I held that the notations 'CROSS COUNTRY' and 'COAST-2-COAST' are dissimilar. I see no reason for departing from this holding in the instant case. With respect to the marks 'COAST TO COAST' and 'ALLSTATE' I find them even more dissimilar than the others, and therefore I am compelled to conclude that there is no similarity in either instance."

In GENERAL BAKING COMPANY v. MAYFLOWER MILLS, Opposition No. 12,151, decision rendered December 26, 1935, (159 Ms. Dec. 533), *Assistant Commissioner Fraser* held that Mayflower Mills, of Fort Wayne, Ind., is not entitled to register the words "Bond Brand Whole Wheat Flour," with the words other than "Bond" disclaimed.

In his decision he set out the proceedings in which it appears that applicant had sought to place its mark under the ten-year proviso and after some proceedings the Examiner of Interferences had sustained the opposition, based upon the use by General Baking Company, of New York City, N. Y., of the word "Bond" as a trade-mark for bread.

He then, after noting the arguments relating to the question of jurisdiction of the appeal, said:

"In the instant case, however, there is a reason to which neither the opposer nor the Examiner has referred that is in my opinion a conclusive bar to the registration of applicant's mark, so far as the present proceeding is concerned, under any provision of the Act. In the application as originally filed use of the mark in applicant's business was alleged to have been continuous since January 1, 1894. When the amendment was filed, as previously noted, this statement was canceled, and all that then remained was a claim of use 'for ten years next preceding February 20, 1905.' Hence the application as it now stands seeks registration of a trade-mark concerning which no present use is alleged, nor any use since February 20, 1905. It seems too obvious for discussion that even in the absence of opposition such an application is fatally defective, and that upon this ground alone registration must necessarily be denied."

He further said:

"Upon the merits the Examiner of trade-mark interferences held in his first decision that applicant had failed to establish a technical trade-mark use of its mark at any time prior to opposer's date of first use, and from that decision there was no appeal. In his second decision, from which this appeal is taken, he held that applicant could not qualify under the ten-year proviso of the Trade-Mark Act; and for the reasons clearly and fully set forth in the decision, I think that holding is amply warranted."

In HYVIS OILS, INC., v. PETROLEUM PRODUCTS STORAGE COMPANY, Cancellation No. 2,746, decision rendered December 30, 1935, (159 Ms. Dec. 536), *First Assistant Commissioner Spencer* held that Petroleum Products Storage Company, of New South Memphis, Tenn., was not entitled to register, under the Act of 1905, the term "HIGHTIRES" as a trade-mark for oils and greases, in view of the prior adoption and use by Hyvis Oils, Inc., of Warren, Pa., of the term "HyVis" as a trade-mark for the same goods and that the registration which the former had obtained should be cancelled.

In his decision, after referring to a disclaimer filed in connection with the registration of the term "HyVis" in which it was stated that it was not intended that the registration of the mark "HyVis" should cover any established commercial term, the First Assistant Commissioner said:

"In my opinion the Examiner erred in considering that in view of this disclaimer the petitioner has no right to object to the registration of the notation 'HIGHTIRES'. In the first place, the petitioner merely disclaimed the use of established commercial terms and did not disclaim 'HIGHTIRES' the term here involved. In view of that fact I cannot see that the disclaimer is particularly relevant in this proceeding."

With reference to the similarity of the marks, he said:

"Turning to the marks themselves, 'HyVis' and 'HIGHTIRES' used on identical goods are to my mind confusingly similar. The goods involved are practically always bought by word of mouth and the similarity of sound between the two words is paramount importance. That 'HyVis' and 'HIGHTIRES' sound alike cannot be denied. Under the circumstances I believe that the petitioner has shown the kind and amount of damage required by the statutes, and that the relief prayed for should be granted."

In LEVER BROTHERS COMPANY v. BUTLER MANUFACTURING COMPANY, Opposition No. 13,859, decision rendered December 30, 1935, (159 Ms. Dec. 537), *First Assistant Commissioner Spencer* held that Butler Manufacturing Company, of Kansas City, Mo., is entitled to register the notation "Lustriux" for use on dry cleaning systems, notwithstanding the prior adoption and use by Lever Brothers Company, of Cambridge, Mass., of the term "LUX" as a trade-mark for soaps.

The ground of the decision is that the goods are not of the same descriptive properties.

With reference to that question the First Assistant Commissioner said:

"It is undoubtedly true that both goods are used for the same general purpose, which may be termed cleaning. Beyond this, however, I am unable to conceive any points of similarity between them. Physically they are totally unlike; in price there is no comparison; they are sold to different classes of purchasers; one is bought casually in the general store or the grocery by the housewife and the other is a costly installation bought only by a man who intends to enter or is already engaged in, the cleaning business. In view of these considerations, I cannot conceive any confusion resulting from the concurrent use of the same mark upon these respective goods. The possibility of any such confusion taking place is too remote, too conjectural to be dealt with in these proceedings."

He then, after noting that the Court of Customs and Patent Appeals had once held that if there was a likelihood of confusion arising from the concurrent sale of the goods of an applicant and the opposer the goods must necessarily be of the same descriptive properties, said:

"But in my decision in the case of *Meredith Publishing Co.* v. *O. M. Scott & Sons Co.*, 458 O. G. 3; 26 U. S. Pat. Q. 21; 28 T. M. Rep. 474, I endeavored to point out the inapplicability of a test of this kind when applied to a set of facts such as that here involved. In my opinion if the goods are not of the same descriptive properties an opposition must be dismissed regardless of confusion, likely or actual. Similarly, if the notations are not confusingly similar, an opposition must be dismissed irrespective of confusion."

In GENERAL MILLS, INC., v. RUDOLPH J. FREED, Opposition No. 13,847, decision rendered December 30, 1935, (159 Ms. Dec. 538), *First Assistant Commissioner Spencer* held that Rudolph J. Freed, of Los Angeles, Calif., is entitled to register the notation "SURE-DOU" as a trade-mark for dextrinized and gelatinized starches for retaining moisture in all bakery products, notwithstanding the registration

by General Mills, Inc., of Minneapolis, Minn., of a series of marks including the word "SURE", such as "SUREFAT" for poultry food, "SURELIVE" for baby chick food, etc.

The ground of the decision is that the goods of the respective parties are not of the same descriptive properties.

With reference to this question, the First Assistant Commissioner said:

"However, I am certainly not prepared to hold that all goods that can be traced to a single source of supply constitute goods of the same descriptive properties. It would be equally fallacious to say that all goods made of wood or of steel or of any other single substance are goods of the same descriptive properties. Beyond the fact that they come from the same raw material source, and that for such reason a member of the purchasing public with this knowledge at hand might conceivably be led to believe that they emanated from a single source of manufacture, I can see no ground for holding that they possess the same descriptive properties. I know of no general definition that properly includes a substance for retaining moisture in bakery products, on the one hand, and stock and poultry food on the other. To my mind they cannot properly be categorized together."

IN KELLOGG COMPANY v. GENERAL MILLS, INC., Cancellation No. 2,668, decision rendered December 31, 1935, (159 Ms. Dec. 640), *Assistant Commissioner Fraser* held that General Mills, Inc., of Minneapolis, Minn., is entitled to register the term "BISKIES" as a trade-mark for biscuit flour, notwithstanding the registration by Kellogg Company, of Battle Creek, Mich., of the mark containing the word "KRISPIES" as a trade-mark for cereal breakfast foods and that the petition to cancel the registration of the General Mills, Inc., was properly denied.

In his decision he noted that the registration pleaded in the petition for cancellation was not for the single word "KRISPIES" but for the composite mark "CORN KRISPIES" and it did not appear that petitioner had ever used the word "KRISPIES" alone as a trade-mark for any of its products.

He then said:

"The question then is, will the concurrent use of 'BISKIES' on biscuit flour, and 'CORN KRISPIES' on cereal breakfast food, confuse purchasers and thereby damage petitioner? I am clearly of the opinion that there is no reasonable likelihood of such confusion, and that the decision appealed from should be affirmed."

He then referred to the decision in *Yeastles Products, Inc.*, v. *General Mills, Inc.*, 77 Fed. (2d) 328, 22 C. C. P. A. 1215, in which the words "YEASTIES" and "WHEATIES" were held not confusingly similar, and, after quoting from that decision, said:

"So here, the only similarity between registrant's mark and petitioner's lies in the audio 'ies' and the vowel sound of the syllables 'kris' and 'bis.' Also the two marks, viewed in their entireties, convey wholly different meanings. 'CORN KRISPIES' clearly suggests a corn product having the quality of being crisp, while 'BISKIES,' especially when applied to a biscuit flour, just as clearly suggests biscuits. Moreover, assuming the two articles to possess the same descriptive properties, it is quite manifest that their specific differences are much greater than were those of the goods considered in the cited case, which fact must, of course, be given some weight in passing upon the question of probable confusion."

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 28, 1936

[Vol. 462. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 389,967. SOCIÉTÉ DES USINES CHIMIQUES RHONE-POULENC, Paris, France. Filed Jan. 8, 1935.

RHOSILLE

For Sheets Consisting Chiefly of Acetate of Cellulose, Which Upon Exposure to Heat Form a Plastic Material and Parts of Such Sheets.

Claims use since July 12, 1934.

CLASS 2

Receptacles

Ser. No. 389,359. HUPP, BARNES AND OPIE, INC., Pittsburgh, Pa. Filed Sept. 16, 1935.

VAL-U

For Paper Bags.

Claims use since July 1, 1933.

Ser. No. 372,295. CONTAINER CORPORATION OF AMERICA, Chicago, Ill. Filed Dec. 9, 1935.



The drawing is lined for brown.

For Paper Board Boxes and Shipping Cartons.

Claims use since Nov. 22, 1935.

Ser. No. 372,667. GRAY AND TERRY MANUFACTURING CO., Kansas City, Mo. Filed Dec. 16, 1935.

FOLDO

For Baskets Constructed of Canvas and Steel and Fashioned to Collapse to a Flat Condition When Not in Use.

Claims use since Nov. 16, 1935.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 368,127. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Aug. 9, 1935.

Lilac

IMPERIAL

No claim is made to the word "Lilac" apart from the mark.

For Toilet Soap.

Claims use since Jan. 31, 1910.

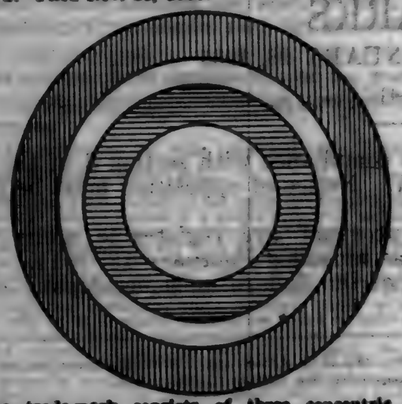
Ser. No. 370,013. ROYAL SOAP & CHEMICAL COMPANY, Los Angeles, Calif. Filed Oct. 4, 1935.

LOYAL

For Household Cleanser, Mechanic's Paste Soap, Metal and Glass Polish, and Mechanic's Soap for the Hands.

Claims use since July 16, 1931.

Ser. No. 371,887. COLUMBIAN RUBB COMPANY, Auburn, N. Y. Filed Nov. 15, 1935.

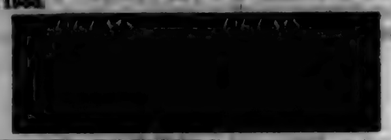


The trade-mark consists of three concentric bands colored red, white, and blue, the drawing being lined to denote these three colors.

For Bonded Buffers or Articles Composed Essentially of Vegetable Fibred Used for Buffing Purposes and for Supporting Abrasive Materials.

Claims use since May 5, 1935.

Ser. No. 372,000. DURMA, INC., Detroit, Mich. Filed Nov. 29, 1935.



The drawing is lined for red.

For Dry Cleaning Powder.

Claims use since June 1, 1935.

Ser. No. 372,413. GOLDEN GLINT CO., INC., doing business as Old Smoothie Company, Seattle, Wash. Filed Dec. 9, 1935.

OLD SMOOTHIE

For Brushless Shaving Cream.

Claims use since Nov. 20, 1935.

Ser. No. 372,429. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Dec. 9, 1935.

FLOROTONE

For Soap.

Claims use since Sept. 20, 1935.

Ser. No. 372,491. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J. Filed Dec. 10, 1935.

VISTANEX

For Waterless Cleaning Compound for Industrial and Household Uses.

Claims use since July 19, 1933.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 365,431. FOUR STAR LABORATORY, Chicago, Ill. Filed May 27, 1935.

FOUR

★ ★ ★ ★

STAR

IGNITION-DRY

No claim is made for the words "Ignition Dry" apart from the mark as shown.

For Coating Liquids for Protecting Ignition Wires, Spark Plugs, Distributor Caps and Coils.

Claims use since September, 1935.

Ser. No. 365,952. JOHN HEMMELGN, doing business as Jo-Ro Products, New York, N. Y. Filed July 5, 1935.

CHECK-FALL

For Liquid Hair and Scalp Preparations.

Claims use since June 1, 1915.

Ser. No. 367,888. COMMERCIAL LABORATORIES INC., Newark, N. Y. Filed July 31, 1935.

NEMO

For Cocoanut Oil Shampoo, Almond Cream, After-Shaving Lotion, Skin Freshener, Bay Rum, Cocoa Butter Cream, Cleansing Cold Cream, Liquefying Cold Cream, Turtle Oil Cream, Boiling Massage Cream, Vanishing Cream, Liquid Cleansing Cream, Tissue Cream, Dental Cream, Face Powder, Hair Dressing, Hair Tonic, Hair Curling Fluid, Hair Wave Powder, Rose Lotion, Cucumber Lotion, Lemon Lotion, Perfumes, Pomade, Face Cleanser, Lemon and Henna Rinse, Rose Oil, Toilet Water, Witch Hazel, and Talcum Powder.

Claims use since April, 1933.

Ser. No. 368,077. LYDIA O'LEARY, INC., doing business as Lydia O'Leary, New York, N. Y. Filed Aug. 7, 1935.

LIFE TONE

For Preparation Used by Morticians for Embalming Purposes.

Claims use since Apr. 20, 1933.

Ser. No. 369,737. PURE DRUG PRODUCTS, INC., Jacksonville, Fla. Filed Sept. 27, 1935.

CoLax

For Medicine for Use as a Treatment for Colds, Headaches, and Fevers.

Claims use since June 5, 1935.

Ser. No. 370,303. CHARLES ENTERPRISES, INC., Evansville, Ind. Filed Oct. 10, 1935.

Nyla COSMETICS

No claim is made to the word "Cosmetics" apart from the mark shown.

For Cosmetics—Namely, Cleansing Creams, Tissue Creams, Lotions, Rouges, Powders, and Face Creams.

Claims use since Oct. 12, 1934.

Ser. No. 371,598. HENRI HARRIS, INC., New York, N. Y. Filed Nov. 2, 1935.

ETOILE FILANTE

For Perfumes, Toilet Water, Sachet.

Claims use since Oct. 3, 1935.

Ser. No. 371,800. THE [illegible] COMPANY, Cincinnati, Ohio. Filed Nov. 14, 1935.

THEBITAL

For Preparation for the Treatment of Cardiac Ailments.

Claims use since Oct. 29, 1935.

Ser. No. 371,802. AMERICAN CHEMICAL & CHEMICAL CORPORATION, New York, N. Y. Filed Nov. 14, 1935.

NO-ODOROL

For [illegible] Finishing of Textiles.

Claims use since November, 1935.

462 O. G.—46

Ser. No. 371,831. NEW SCALP MEDICINE COMPANY, La Feliette, Tenn. Filed Nov. 21, 1935.

SCALF'S INDIAN RIVER

For Vegetable Compound Tonic for General Use, Liniment for External Use, Catarrh Balm, Hair Tonic and Dye, Complexion Compound—Namely, a Skin Lotion, Cough Syrup, Skin Ointment, Astringent Compound for Internal Use as a Medicine, Corn Salve, and Liquid Preparation for Venereal Diseases.

Claims use since 1905.

Ser. No. 371,866. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Nov. 23, 1935.

Zephiran

For Antiseptic and Disinfectant.

Claims use since Aug. 1, 1935.

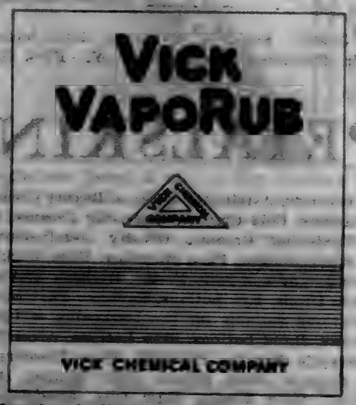
Ser. No. 371,870. MARTIN SENNIS COMPANY, Newark, N. J. Filed Nov. 23, 1935.

ALBATAN

For Tannage for White Leather.

Claims use since June, 1904.

Ser. No. 371,895. VICK CHEMICAL COMPANY, Philadelphia, Pa. Filed Nov. 22, 1935.



The drawing is lined to indicate the color blue. No claim is made to the representation of the outline of a carina label.

For Medicinal Salve for Use in Such Ailments as Croup, Pneumonia, Catarrh, Tonsilitis, Bronchitis, Sore Throat, Whooping Cough, Asthma, Burns, Bruises, Sprains, Stings, Neuralgia, Eczema, Itching Humors, Itching Piles, Boils, and Rheumatic Pains.

Claims use since Oct. 8, 1935.

Ser. No. 371,908. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed Nov. 23, 1935.



Except "Vaseline" and the name of applicant apart from the mark no claim is made to any wording shown. The representation of a container is disclaimed. The mark is printed in blue and yellow on a white background.

For Camphor Ice.
Claims use since October 20, 1905.

Ser. No. 371,913. EVA MURPHY DUCK, doing business as Arnold Laboratories, Glendale, Calif. Filed Nov. 23, 1935.

Arnoid

For Tablet to be Used to Relieve Irritation Caused by Sinus Trouble.
Claims use since Nov. 4, 1935.

Ser. No. 371,930. SUSAN V. O'CONNOR, doing business as Petalskin Tollotries, New York, N. Y. Filed Nov. 23, 1935.

PETALSKIN

For Astringents, Astringent Cleaner, Beauty Creams, Refreshing Creams, Cold Creams, Cleansing Creams, Obesity Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.
Claims use since Nov. 21, 1935.

Ser. No. 371,962. WARNER HEATING AND CHEMICAL CO., INC., Middleport, N. Y. Filed Nov. 26, 1935.



For Parasiticides.
Claims use since May 1, 1933.

Ser. No. 371,963. NIAGARA SPRAYER AND CHEMICAL CO., INC., Middleport, N. Y. Filed Nov. 26, 1935.

SUSPENSO

For Parasiticides.
Claims use since Oct. 30, 1935.

Ser. No. 371,988. ADOLPHUS SZALKOWSKI, Budapest, Hungary. Filed Nov. 26, 1935.

HUNYADI JÁNOS



The portrait shown on the drawing is that of the historic Hungarian national hero Hunyadi Janos.
For Laxatives.
Claims use since Mar. 14, 1868.

Ser. No. 372,030. BOOKWALTER PLANT CHEMICALS, INC., Tippecanoe City, Ohio. Filed Nov. 27, 1935.

MOSQUITOZOL

For Liquid for Vaporizing.
Claims use since Mar. 5, 1935.

Ser. No. 372,040. JAMES H. CUMMINGS, doing business as The Cellasin Co., Buffalo, N. Y. Filed Nov. 27, 1935.

Cellasin

For Ferment.
Claims use since October, 1907.

Ser. No. 372,052. GERMAN DEPOSITORY CORPORATION, New York, N. Y. Filed Nov. 27, 1935.

SETAMOL

For Addition Agents for Use in the Dyeing of Wool and Silks.
Claims use since [illegible], 1935.

Ser. No. 372,060. THE MARIENBAD ARTICLE WORKS (Inc.), New York, N. Y. Filed Nov. 27, 1935.

CLAROFIN

For Chemical Product Used for Bleaching Oils, Fats and Fatty Acids.
Claims use since Oct. 4, 1927.

Ser. No. 372,072. THE STANDARD UNDERMACHINE COMPANY, Huntington, W. Va. Filed Nov. 28, 1935.



For Dyestuffs and Auxiliary Dyes.
Claims use since 1914.

Ser. No. 372,076. THE AVER COMPANY, Lowell, Mass. Filed Nov. 30, 1935.

PERHEXOGEN

For Medicine for the Treatment of Fungicidal and Germicidal Skin Troubles.
Claims use since Nov. 21, 1935.

Ser. No. 372,117. STANDARD HAIR CORPORATION, New York, N. Y. Filed Nov. 29, 1935.

SEA MAID

For Bath Salt.
Claims use since Nov. 21, 1935.

Ser. No. 372,245. ANNA L. AUSTIN, doing business as Prof. John H. Austin, Los Angeles, Calif. Filed Dec. 7, 1935.

CO-LO

For Preparation for Restoring Color to the Hair.
Claims use since Jan. 15, 1935.

Ser. No. 372,297. NATHAN N. DAVIDSON, Des Moines, Iowa. Filed Dec. 9, 1935.

KANTRUNIZE

For Chemical for Preventing Rope in Milk Hosiery.
Claims use since Nov. 1, 1935.

Ser. No. 372,325. MORRIS SHEIN, Bronx, N. Y. Filed Dec. 9, 1935.

PEDROSAL

For Medicated Liquid Foot Preparation for Athlete's Foot and Similar Foot Ailments.
Claims use since Oct. 14, 1935.

Ser. No. 372,476. DOROTHY HINMAN, doing business as Novalene Company, New York, N. Y. Filed Dec. 10, 1935.

NOVALENE

For Preparation for the Treatment of Asthma and Hay Fever.
Claims use since Aug. 15, 1935.

Ser. No. 372,487. THE STERAX NOSE CO., Newark, N. J. Filed Dec. 10, 1935.



The signature shown is that of Mr. Clarence B. Riker, applicant's president. The diagonal panel bearing the word Jaquequina, the parallel horizontal lines under the woman's head and the three star devices are shown in red and this color is an essential feature of the mark.
For Preparation for the Treatment of Headaches, Neuralgia, and Nerve Ailments.
Claims use since Nov. 1, 1935.

Ser. No. 372,502. OZONE PRODUCTS CORPORATION, New York, N. Y. Filed Dec. 12, 1935.

KOALA

For Eucalyptol and Oil of Eucalyptus.
Claims use since Nov. 1, 1935.

Ser. No. 372,569. OMEGA PRODUCTS CORPORATION, New York, N. Y. Filed Dec. 12, 1935.



For Eucalyptol and Oil of Eucalyptus.
Claims use since Nov. 1, 1935.

Ser. No. 372,605. MELVIN CO., South Pasadena, Calif. Filed Dec. 13, 1935.



For Analgesic, Sedative and Hypnotic, to be Taken Internally, Used in the Treatment of Fatigue, Nervous, and Physical Exhaustion and Insomnia.
Claims use since Dec. 7, 1935.

CLASS 12

Construction Materials

Ser. No. 370,255. T. HOWMANN-OLSEN LUMBER CO. OF MISS., INC., Logtown, Miss. Filed Oct. 11, 1935.

PEARLWOOD

For Particular Kind of Gum Lumber.
Claims use since Jan. 1, 1929.

CLASS 13

Hardware and Plumbing and Steam Fitting Supplies

Ser. No. 372,048. ALLOY [illegible] PRODUCTS CO., Boston and Dorchester, Mass. Filed Nov. 1, 1935.

ALOYCO

For Plumbing and Steam Fitting Valves and Fittings.
Claims use since Oct. 25, 1935.

CLASS 15

Oils and Greases

Ser. No. 371,208. THE LUBRI-ZOL CORPORATION, Wickliffe, Ohio. Filed Nov. 6, 1935.

Chalco Carbon

For Hydrocarbon Fuels—Namely, Gasoline and Chemically Treated Lubricating Compositions—Namely, Lubricating Oil and Grease.
Claims use since Apr. 26, 1935.

Ser. No. 372,116. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Nov. 30, 1935.

MOTESSO

For Motor Fuel Oil.
Claims use since Oct. 29, 1935.

Ser. No. 372,220. THE TEXAS COMPANY, New York, N. Y. Filed Dec. 3, 1935.

BABYTEX

For Lubricating Oil.
Claims use since Nov. 5, 1935.

CLASS 16

Paints and Painters' Materials

Ser. No. 371,267. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Nov. 8, 1935.

SOYALASTIC

No claim is made to the word "Soya" apart from the mark.
For Ready Mixed Paints and Paint Enamels.
Claims use since Oct. 14, 1935.

Ser. No. 371,345. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Nov. 8, 1935.

FORM-I-POL

For Paint[illegible] Solutions, Chemical Preparations.
Claims use since Oct. 24, 1935.

Ser. No. 371,324. DEVOE & RAYNOLDS COMPANY, INC., New York, N. Y. Filed Nov. 2, 1935.

ETERNA

For Ready Mixed Artists' Oil Colors.
Claims use since Aug. 20, 1935.

CLASS 17

Tobacco Products

Ser. No. 367,327. [illegible] CIGAR CORPORATION, Philadelphia, Pa. Filed [illegible], 1935.



The word "Philadelphia" is disclaimed apart from the mark.
For Tobacco Products, More Particularly Cigars.
Claims use since July 2, 1935.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 347,154. OMEGA MANUFACTURING COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 2, 1934.

OMEGA

For Electrical Clocks, Electrolysis Machines, and Parts Thereof.
Claims use since Oct. 15, 1933.

Ser. No. 347,155. OMEGA MANUFACTURING COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 2, 1934.



The Greek letter "Omega" is disclaimed apart from the mark.
For Electrical Clocks, Electrolysis Machines, and Parts Thereof.
Claims use since Oct. 15, 1933.

Ser. No. 370,808. ISABELLE M. BROWN, doing business as Philco Spark Plug Company, Washington, D. C. Filed Oct. 18, 1935.



For Spark Plugs.
Claims use since Oct. 1, 1934.

Ser. No. 372,554. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Dec. 7, 1935.

BUTTERFLY

For Electric Lamp Fixtures.
Claims use since Nov. 1, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 369,692. THE KILGORE MANUFACTURING COMPANY, Westerville, Ohio. Filed Sept. 19, 1935.

G-MAN

For Toy Pistols.
Claims use since June 1, 1935.

Ser. No. 370,788. TORMS PRODUCTS CO., Chicago, Ill. Filed Oct. 24, 1935.

DRESS-ME

For Paper, Cardboard, Fabric, Composition, and Metal Toy Cutouts.
Claims use since Oct. 4, 1934.

Ser. No. 371,328. MATSUJIRO UCHIDA, Honolulu, Territory of Hawaii. Filed Nov. 7, 1935.



The design displayed concentrically within the confines of the circle is, as a unit, substantially fanciful. The characters may, however, be translated into English, under which circumstance they would be interpreted to literally desire the expression "Letter or Composition."
For Playing Cards.
Claims use since July 1, 1926.

Ser. No. 871,880. Masayuki Ueuma, Honolulu, Territory of Hawaii. Filed Nov. 7, 1935.



The Japanese character when translated literally means "Letter." The portrait is fanciful.
For Playing Cards.
Claims use since July 1, 1935.

Ser. No. 872,500. Dora H. Kleyer, Natchitoches, La. Filed Dec. 7, 1935.



For Card Games.
Claims use since Oct. 10, 1935.

Ser. No. 872,702. Geo. Youre & Co., Chicago, Ill. Filed Dec. 16, 1935.

WINDY CITY

For Soft Balls.
Claims use since Dec. 12, 1935.

CLASS 31

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 867,859. General Fire Extinguisher Company, Providence, R. I. Filed July 29, 1935.

MULSIFYRE

For Portable Fire Extinguishing Apparatus Comprising a Pressure Tank with Hose, Valves, Gauges, Sprinkler Heads, Etc.
Claims use since Jan. 21, 1935.

Ser. No. 871,865. Atlantic Blade Corporation, Brooklyn, N. Y. Filed Dec. 6, 1935.

CASINO

For Razors and Razor Blades.
Claims use since Nov. 14, 1935.

Ser. No. 872,295. Sonnet Lehn, doing business as Department Sales Company, New York, N. Y. Filed Dec. 4, 1935.

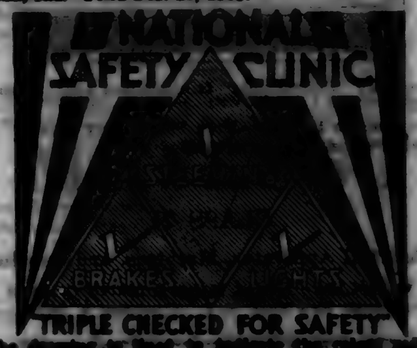


For [illegible]
Claims use [illegible]

CLASS 32

Measuring and Scientific Appliances

Ser. No. 862,705. Nicholas Products Corporation, South Bend, Ind. Filed Feb. 20, 1935.



"TRIPLE CHECKED FOR SAFETY"

The drawing is lined to indicate that colors red and green. All wording except "National" and "Clinic" is disclaimed.
For Instruments for Testing Braking, Steering Apparatus, Lights, Wheels, Axles, Springs, Chassis, and Other Members of Vehicles.
Claims use since Oct. 15, 1935.

Ser. No. 871,127. Cleveland-B. Chase Company, Inc., New York, N. Y. Filed Oct. 31, 1935.

VOCAFILM

For Slide Picture Films and Plastic Sound Records Made and Sold Only for Use as a Unit.
Claims use since Apr. 25, 1935.

CLASS 33

Jewelry and Precious-Metal Ware

Ser. No. 872,012. Internationale Silver Company, Meriden, Conn. Filed Dec. 9, 1935. Under 10-year proviso.

R.C.CO.

For Silver-Plated Hollow-Ware for Table Use and the Like.
Claims use since 1870.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 871,008. Spencer Corporation Corporation, Toledo, Ohio. Filed Oct. 30, 1935.

KATHABAR

For Air Conditioning Units and Systems.
Claims use since Apr. 14, 1935.

CLASS 36

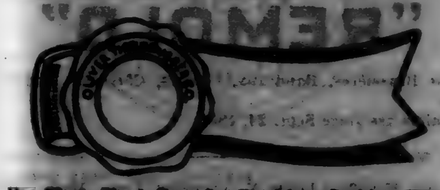
Belting, Hose, Machinery Packing, and Non-Metallic Tires

Ser. No. 872,716. Oliver Tire & Rubber Company, Oakland, Calif. Filed Dec. 28, 1935.

ORCO

For Black Sheet Gum for Patching, Cushion Gum and Rubber in Strip Form for Retreading Tires.
Claims use since 1927.

Ser. No. 871,777. Oliver Tire & Rubber Company, Oakland, Calif. Filed Nov. 20, 1935.



For Black Sheet Gum for Patching, Cushion Gum and Rubber in Strip Form for Retreading Tires.
Claims use since 1932.

Ser. No. 872,881. The Stevens, May, Stern Company, Incorporated, Chicago, Ill. Filed Dec. 5, 1935.

GATEWAY

For Pneumatic Vehicle Tires and Inner Tubes Therefor.
Claims use since February, 1932.

CLASS 37

Paper and Stationery

Ser. No. 869,020. The J. F. Rowe Publishing Company, Des Moines, Iowa. Filed Sept. 23, 1935. Under 10-year proviso.

RIGGS

For Record Books and Record Sheets.
Claims use since Jan. 12, 1894.

CLASS 38

Prints and Publications

Ser. No. 871,541. The Curtis Publishing Company, Philadelphia, Pa. Filed Nov. 8, 1935.

Country Gentleman-League

For Section of an Agricultural Journal Issued Monthly.
Claims use since Aug. 30, 1935.

Ser. No. 871,859. Macfadden Publications, Inc., New York, N. Y. Filed Nov. 14, 1935.

I. N. F.

For Section of a Monthly Magazine, to wit: True Story.
Claims use since Sept. 15, 1935.

Ser. No. 872,048. Digest and Review Publishing Corporation, New York, N. Y. Filed Nov. 27, 1935.

DIGEST AND REVIEW

For Magazines.
Claims use since May 18, 1935.

Ser. No. 872,120. The United States News Publishing Corporation, Washington, D. C. Filed Nov. 30, 1935.

The Voice of the New Deal

For Sections of Periodical Publications.
Claims use since Nov. 11, 1935.

Ser. No. 872,200. S. Clauss Bartlet, Washington, D. C. Filed Dec. 2, 1935.

COUNTERVIEWS

For Periodical Publication.
Claims use since Sept. 1, 1935.

CLASS 39

Clothing

Ser. No. 357,161. John Wanamaker Philadelphia, Philadelphia, Pa. Filed Oct. 15, 1934.

John Wanamaker Philadelphia



The word "Philadelphia" is disclaimed apart from the mark.
For Men's, Boys', Women's, and Children's Suits, Dresses, Wraps, Overcoats, Jackets, Sweaters, Hats, Caps, Neckties,

Mufflers, Collars, Hosiery; Gloves of Leather, Rubber, Fabric, and Combinations Thereof; Shoes of Leather, Rubber, Fabric, and Combinations Thereof; Riding Boots, Puttees, Spats, and Knitted and Textile Underwear of One and Two Pieces.
Claims use since Oct. 1, 1934.

Ser. No. 368,522. MAIDEN & WELL CORPORATION, New York, N. Y. Filed June 29, 1935.

"CORDETTE"

Maidwell

The word "Maidwell" is disclaimed apart from the mark.
For Fabric Gloves.
Claims use since May 1, 1935.

Ser. No. 367,750. HOSE BROTHERS NECKWEAR COMPANY, Chicago, Ill. Filed July 27, 1935.

CORDETTE

For Men's Neckties, Cravats, and Mufflers.
Claims use since May 3, 1933.

Ser. No. 368,101. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed Aug. 5, 1935.

DUTCHESS STAR 600

For Ladies' Rayon Underwear, Pajamas, Night Gowns, and Dresses.
Claims use since July 10, 1935.

Ser. No. 368,102. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed Aug. 5, 1935.

Strydefree-form-and-fit

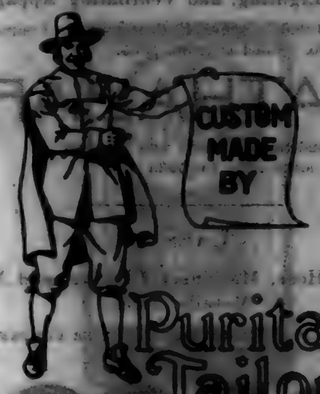
The words "Form and Fit" are disclaimed apart from the mark.
For Ladies' Rayon Underwear, Pajamas, Night Gowns, and Dresses.
Claims use since July 10, 1933.

Ser. No. 368,562. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed Aug. 22, 1935.

STRYDETTE

For Ladies' Rayon Underwear, Pajamas, Night Gowns, and Dresses.
Claims use since Aug. 1, 1933.

Ser. No. 368,745. LOUIS GOLDMAN, doing business as Puritan Tailors, Chicago, Ill. Filed Sept. 28, 1935.



Puritan Tailors

No claim is made to the words "Custom Made By" and "Tailors" apart from the mark.
For Men's and Boys' Suits and Overcoats.
Claims use since July 20, 1935.

Ser. No. 370,263. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y. Filed Oct. 11, 1935.

"REMOLD"

For Brassieres, Bandeaux, Corsets, Corselets, and Girdles.
Claims use since Sept. 24, 1935.

Ser. No. 370,381. LEVIS N. ABERSON, Lynn, Mass. Filed Oct. 14, 1935.



The word "Fitter" is disclaimed.
For Shoes of Leather and Rubber (Such as Leather Soles and Uppers and Rubber Heels).
Claims use since 1928.

Ser. No. 370,423. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed Oct. 23, 1935.

KUMFY - STRYDE

For Ladies' Rayon Underwear, Pajamas, Night Gowns, and Dresses.
Claims use since Aug. 1, 1935.

Ser. No. 371,076. JOSY-MOYER COMPANY, INC., Boston, Mass. Filed Nov. 1, 1935.

HEM-O-TAN

The word "Tan" is disclaimed apart from the mark.
For Leather Tapes.
Claims use since Oct. 8, 1935.

Ser. No. 371,247. THE BROWN SHOE COMPANY, Cincinnati, Ohio. Filed Nov. 4, 1935.

BROWN BUILT SHOE

The word "Shoe" is disclaimed apart from the mark shown.
For Shoes Made of Fabric, Leather, and/or Rubber.
Claims use since Oct. 28, 1935.

Ser. No. 371,348. BERNARD KRUSICK & CO., New York, N. Y. Filed Nov. 8, 1935.

AUTHENTIC

Ken Kobb

FELTS
NEW YORK

The words "Authentic", "Felts", and "New York" are disclaimed apart from the mark.
For Hats for the Use of Men and Women.
Claims use since Aug. 20, 1935.

Ser. No. 371,508. ROPECO FELT COMPANY, New York, N. Y. Filed Nov. 12, 1935.

Ropeco Spun

The word "Spun" is disclaimed apart from the mark.
For Boys' Clothing—Namely, Suits, Coats, Hats, Hosiery, Dress and Negligee Shirts, and Leather Shoes.
Claims use since Sept. 15, 1935.

Ser. No. 371,510. TINY TOWN TOGS, INC., New York, N. Y. Filed Nov. 12, 1935.

Dionne

QUINTUPLETS

For Sweaters, Leggings, Gloves, Mittens, Hats, Berets, Bonnets, Coats, Muffs, Underwear, Dresses, Playsuits, Sun-Suits, Snow-Suits, and Bibs for Infants and Children.
Claims use since June 11, 1935.

Ser. No. 371,535. CAVENDISH THEATRE CORPORATION, New York, N. Y. Filed Nov. 14, 1935.

Crepe Valaine

The word "Crepe" is disclaimed except as shown.
For Ladies' Underwear.
Claims use since Oct. 19, 1935.

Ser. No. 371,571. COHEN, GOLDMAN & CO. INC., New York, N. Y. Filed Nov. 14, 1935.



The word "Cloth" is disclaimed apart from the mark.
For Men's, Boys', and Children's Outer Garments Consisting of Coats, Vests, Pants, Trousers, Top-Coats, Over-Coats, and Summer Clothing for Men, Boys, and Children, Consisting of Coats, Vests, Pants, and Trousers, Made of Either Woven or Knitted Material or Wool Fabrics and Worsted Fabrics.
Claims use since Aug. 1, 1934.

Ser. No. 371,574. GOODALL WORSTED CO., Sanford, Maine. Filed Nov. 14, 1935.

goodall mohair

The word "Mohair" is disclaimed apart from the mark.
For Men's and Boys' Wearing Apparel, Consisting of Coats, Pants, Knickerbockers, Vests, Topcoats, Overcoats, Neckties, Hats and Caps, Suspenders, Belts, Shoes of Fabric, Men's Work Shirts and Boys' Outer Shirts, and Ladies' Wearing Apparel, Consisting of Suits, i. e. Coats and Skirts, Topcoats, Riding Habits, Dresses and Hats.
Claims use since Jan. 2, 1935.

Ser. No. 371,643. ALEX F. KESSLER FUR CO., St. Louis, Mo. Filed Nov. 18, 1935.

Heart o' the Pelt

No claim is made to the word "Pelt" apart from the mark.
For Clothing—Namely, Women's and Children's Fur Coats, Jackets, Capes, and Scarfs.
Claims use since Nov. 12, 1935.

Ser. No. 371,734. R. H. Macy & Co., Inc., New York, N. Y. Filed Nov. 18, 1935.

MACY'S
YOUTH CENTRE

For Children's Dresses.
Claims use since Nov. 1, 1935.

Ser. No. 372,804. Donnybrook Coat Co., Inc., New York, N. Y. Filed Nov. 26, 1935.



For Ladies' Coats.
Claims use since June, 1934.

Ser. No. 372,068. The Knee Undergarment Co., Inc., New York, N. Y. Filed Nov. 27, 1935.



No claim is made to the words "Crepe" and "Preshrunk" apart from the mark.
For Ladies' Underwear.
Claims use since Sept. 20, 1935.

Ser. No. 372,158. Berrie Corsets Inc., New York, N. Y. Filed Dec. 2, 1935.



For Men's Suits and Overcoats.
Claims use since July 1, 1933.

Ser. No. 372,697. Hazel-Shannon Corporation, North Wales, Pa. Filed Dec. 10, 1935.

DUETS

For Ladies' Hosiery.
Claims use since Dec. 2, 1935.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 360,512. Benjamin W. Talbot, Webster Groves, Mo. Filed Sept. 20, 1935.

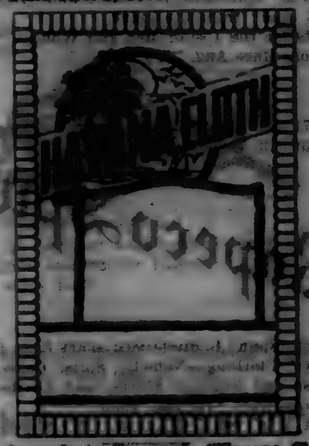


For Dress Ornaments, Buttons, and Buckles, Made of Pottery.
Claims use since July, 1935.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 371,504. John Colebrooke & Sons, Philadelphia, Pa. Filed Nov. 5, 1935.



No claim is made to the words "Havana Cloth" apart from the mark.
For Woven Fabrics Manufactured from Cotton or Mohair or Silk or Wool, or Any Combinations of Them.
Claims use since Feb. 14, 1922.

Ser. No. 371,505. Harry L. Seligman, New York, N. Y. Filed Nov. 5, 1935.

Shetland Silk Home Spun

The words "Silk Home Spun" are disclaimed except as shown.
For Silk Piece Goods.
Claims use since Oct. 15, 1935.

Ser. No. 371,516. Manny Sommers, doing business as Oswald Schicker Manufacturing Co., West New York, N. J. Filed Nov. 14, 1935.

CRYSTALACE

For Lace and Lace Piece Goods.
Claims use since Oct. 15, 1935.

Ser. No. 371,521. Du Gamet Co., Inc., New York, N. Y. Filed Nov. 14, 1935.

Duchene

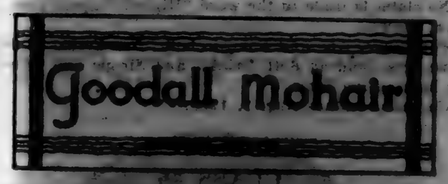
For Satin, Crepe, and Lace Piece Goods of Silk—or Silk and Cotton—or Rayon—or Cotton.
Claims use since Sept. 16, 1935.

Ser. No. 371,542. Samuel Berman & Co., Inc., New York, N. Y. Filed Nov. 14, 1935.

KRUISELACE

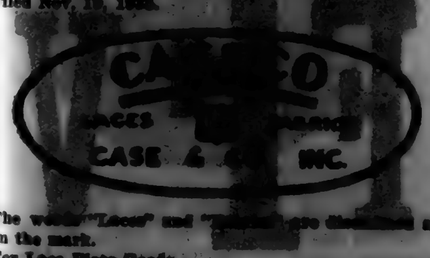
The word "lace" is disclaimed apart from the mark.
For Lace Piece Goods.
Claims use since February, 1934.

Ser. No. 371,818. Goodall Worsted Co., Sanford, Maine. Filed Nov. 14, 1935.



The word "Mohair" is disclaimed apart from the mark.
For Piece Goods—Namely, Made from Combinations of Mohair, Cotton, Wool, Alpaca, Camel Hair, Silk, and Artificial Silk; Also Worsted, Cotton, Mohair, and Plush; Also Pile Fabrics.
Claims use since [illegible].

Ser. No. 372,726. [illegible] & Co., Inc., New York, N. Y. Filed Nov. 19, 1935.



The words "Lace" and "[illegible]" are disclaimed apart from the mark.
For Lace Piece Goods.
Claims use since December, 1914.

Ser. No. 371,510. Cohn-Hall-Marx Co., New York, N. Y. Filed Nov. 13, 1935.



For Cotton and/or Silk Piece Goods.
Claims use since Sept. 13, 1935.

Ser. No. 371,911. Cohn-Hall-Marx Co., New York, N. Y. Filed Nov. 23, 1935.

Cohama

For Cotton and/or Silk Piece Goods.
Claims use since Nov. 23, 1935.

Ser. No. 371,949. Albert H. Vaidam Co., Inc., New York, N. Y. Filed Nov. 23, 1935.

Hazel-Shannon

For Piece Goods of Silk, Cotton, Rayon, and Wool, and Piece Goods of Mixtures of These Materials.
Claims use since July 2, 1935.

Ser. No. 372,089. Puritan Fashions Corp., New York, N. Y. Filed Nov. 26, 1935.

KERRYLIN

For Cotton Piece Goods.
Claims use since Sept. 15, 1935.

Ser. No. 372,057. Cohn-Hall-Marx Co., New York, N. Y. Filed Nov. 25, 1935.

EVA CREPE

The word "Crepe" is disclaimed.
For Rayon, Silk, and Cotton Piece Goods.
Claims use since Nov. 8, 1935.

Ser. No. 372,631. SAMUEL MOSES, Brooklyn, N. Y. Filed Dec. 14, 1935.

AMERICAN LADY

For Cheese Cloth.
Claims use since October, 1935.

CLASS 43

Thread and Yarn

Ser. No. 370,845. NATIONAL YARN CORPORATION, Cleveland, Ohio. Filed Oct. 18, 1935.

NATIONAL YARN CORPORATION

The words "Knitting Yarns" are disclaimed apart from the mark.
For Yarns.
Claims use since Aug. 1, 1928.

Ser. No. 370,973. UNITED ELASTIC CORPORATION, Easthampton, Mass. Filed Oct. 21, 1935.

Unetex

For Elastic Thread.
Claims use since Oct. 19, 1905.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 366,439. THE SCHOLL MFG. CO. INC., New York, N. Y., and Chicago, Ill. Filed June 20, 1935.

MET. ARCH

For Arch Supports and Insoles.
Claims use since 1913.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 362,348. CASTLE PRODUCTS, INC., Newark, N. J. Filed Mar. 11, 1935.

CASPRO

For Maltose Grenadine Syrup and Extracts and Fruit Juices for Flavoring Beverages.
Claims use since Jan. 3, 1935.

Ser. No. 370,607. L. B. W. Limmer, London and Uxbridge, England. Filed Oct. 4, 1935.

L.B.W.

The words "Lemon Barley Water" and the representation of the goods or ingredients thereof are disclaimed except as shown.
For Non-Alcoholic, Maltless, Lemon-Flavored Barley Water for Use as a Beverage or as an Ingredient of a Beverage.
Claims use since March, 1934.

Ser. No. 371,711. HIGRADE FOODS CO., Dunkirk, Pa. Filed Nov. 21, 1935.

HIGRADE Senior

No claim is made to the word "Higrade" apart from the mark shown.
For Ginger Ale, and Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks, and Syrups and Extracts for Making the Same.
Claims use since Aug. 2, 1926.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 225,853. THE VIRGINIA DARE HOMEBUILDERS SOCIETY, INC., Staunton, Va. Filed Nov. 9, 1931.

FFV

For Fresh Apples.
Claims use since 1906.

Ser. No. 365,105. Gunsaus & Co., Inc., New York, N. Y. Filed Aug. 17, 1934.



For Cheese.
Claims use since May 20, 1934.

Ser. No. 361,562. WALLA WALLA CANNING COMPANY, Walla Walla, Wash. Filed Feb. 19, 1935.

SunLadey

The drawing is lined for red and blue.
For Canned Fruits and Vegetables.
Claims use since May, 1933.

Ser. No. 363,851. CORN BELT SUPPLY COMPANY, Sioux City, Iowa. Filed May 20, 1935.



The drawing is lined for ~~yellow and red~~. The words "Feeds", "for All", and "Livestock and Poultry" are disclaimed apart from the mark.
For Feeds for Livestock and Poultry.
Claims use since Apr. 1, 1934.

Ser. No. 366,877. SCHREIBERHAUS BROS., Holland, S. Dak. Filed May 18, 1935.

PEWEE'S CHOPPED STEAK SANDWICH

The words "Chopped Steak Sandwich" are disclaimed apart from the mark.
For Sandwiches.
Claims use since Oct. 1, 1932.

Ser. No. 366,549. CHARLES H. TUTTLE, doing business as Top O' The World Farms, Lake George, N. Y. Filed June 22, 1935.

TOP O' THE WORLD FARMS

For Live Chicks, Live Poultry, Dressed Poultry, Eggs, Milk, Butter, Poultry Feeds, Farm Feeds, and Dairy Feeds.
Claims use since July 1, 1932.

Ser. No. 367,740. SOY BEAN PRODUCTS CO., Chicago, Ill. Filed July 25, 1935.

NOLA NUTS

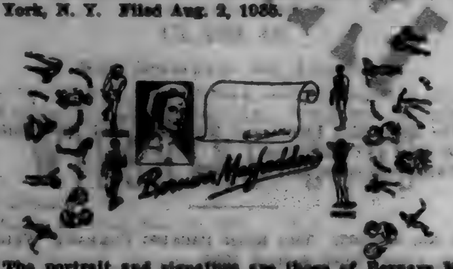
For Crushed Roasted Soy Beans for Use by Bakers, Confectioners and Like Manufacturers.
Claims use since Oct. 1, 1934.

Ser. No. 367,741. SOY BEAN PRODUCTS CO., Chicago, Ill. Filed July 26, 1935.

SOYETTES

For Nut-Like Edible Product Consisting of Soy Beans Roasted in Oil.
Claims use since Oct. 1, 1934.

Ser. No. 367,917. BREAD BAKERIES SERVICE, INC., New York, N. Y. Filed Aug. 2, 1935.



The portrait and signature are those of Bernarr Macfadden. The words "Health—Nutrition—Growth—" are disclaimed apart from the mark.
For Bakery Products—Namely, Whole Wheat Bread.
Claims use since July 15, 1935.

Ser. No. 367,983. ALEXANDER & BALDWIN, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif. Filed Aug. 5, 1935.

Mountain Top

For Canned Pineapple.
Claims use since Dec. 29, 1915.

Ser. No. 368,118. C. C. Wommack and Sons, Mexico, Mo. Filed Aug. 9, 1935.



The drawing is lined for red and blue. No claim is made to any wording except "Wommie's" apart from the mark.

For Dog Food.

Claims use since May 20, 1935.

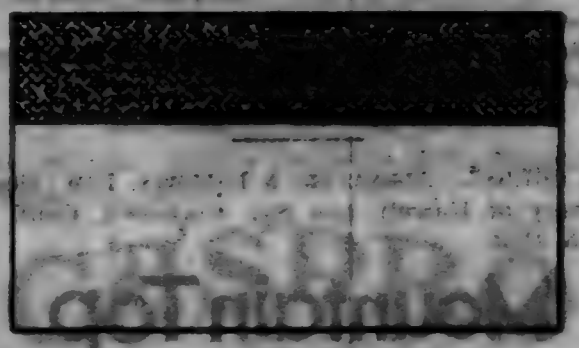
Ser. No. 368,262. Seaboard Rice Company Inc., Houston, Tex. Filed Sept. 6, 1935.

ESSAIR

For Rice, Rice Flour, and Rice Bran and Rice Polish Both Used as Cattle Feed.

Claims use since July 15, 1935.

Ser. No. 368,103. The Rath Packing Company, Waterloo, Iowa. Filed Sept. 7, 1935.



The drawing is lined for orange.

For Cooked Chicken and Meat Loaf.

Claims use since Apr. 10, 1935.

Ser. No. 370,897. Hawaiian Pineapple Company, Ltd., Honolulu, Territory of Hawaii, and San Francisco, Calif. Filed Oct. 12, 1935.



For Canned Fruits.

Claims use since August, 1911.

Ser. No. 370,478. Consolidated Products Company, Ltd., Los Angeles, Calif. Filed Oct. 28, 1935.



For Fresh Citrus Fruits, Fresh and Dried Deciduous Fruits, Fresh Vegetables, Honey, Nuts, Eggs, Cheese, and Butter.

Claims use since 1908.

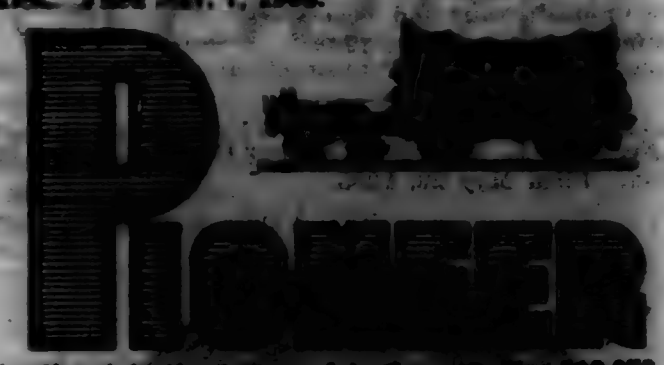
Ser. No. 371,108. Louise M. Kubesha, doing business as Mrs. Ellen Rachel Kay, Chicago, Ill. Filed Nov. 4, 1935.



For Spiced Sardines, Spiced Herring, and Smoked Herring.

Claims use since Oct. 1, 1934.

Ser. No. 371,218. Michigan Sugar Company, Saginaw, Mich. Filed Nov. 7, 1935.



Applicant [illegible] for Sugar.

For Sugar.

Claims use since Oct. 1, 1934.

Ser. No. 371,[illegible]. [illegible] Corporation, Everett, Wash. Filed Nov. 12, 1935.



For Canned Salmon.

Claims use since Sept. 24, 1935.

Ser. No. 371,322. H. C. Bond Company, Inc., Newark, N. J. Filed Nov. 14, 1935.

SALMATO

For Concentrated Tomato Solution, Sugar, Flavoring and Spices for Making Jellied Salads and Jellied Bouillon.

Claims use since Sept. 25, 1935.

CLASS 40

Distilled Alcoholic Liquors

Ser. No. 357,078. Etablissements Pernod, Mirecourt Pernod Fils, Ernest & Pernod Pere & Fils Brevets Procédé Appertier, Paris, France. Filed Nov. 7, 1934.



For Liquor with an Anise Base.
Claims use since Feb. 11, 1900.

Ser. No. 358,449. Mallard Distilling Company, Jersey City, N. J. Filed Aug. 19, 1935.

RED LION



The drawing is lined for red.
For Gin.
Claims use since 1899.

Ser. No. 360,255. John A. Wathen Distillery Co., Inc., Lebanon and Louisville, Ky. Filed Sept. 12, 1935.



For Whiskey.
Claims use since Aug. 16, 1935.

Ser. No. 371,385. Etablissements Jurak, Societe Anonyme, Bordeaux, France. Filed Nov. 8, 1935.



The illustration of a woman's head is fanciful. All notations except "Pepita" are disclaimed apart from the mark.
For Rum.
Claims use since June 21, 1935.

Ser. No. 371,790. J. G. Thomson & Co. Limited, Leith, Edinburgh, Scotland. Filed Nov. 20, 1935.

MONARCHISTA.

For Cognac, Brandy, and Whisky.
Claims use since Oct. 21, 1935.

Ser. No. 371,906. Bennett Distilling Company, San Francisco, Calif. Filed Nov. 25, 1935.

CRESTA GOLD

For Rum Liquour, Brandy, Sloe Gin, Alcoholic Bitters, Liqueurs, Cocktails, and Cordials.
Claims use since Apr. 26, 1935.

Ser. No. 372,454. The Baltimore Pure Rye Distilling Co., Dundalk, Md. Filed Dec. 16, 1935.



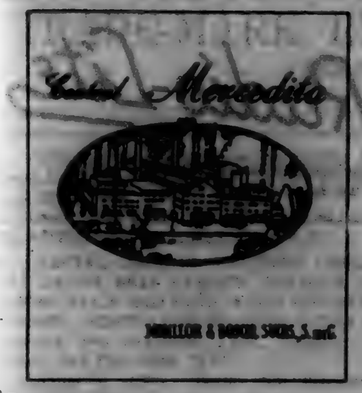
All wording except applicant's corporate name is disclaimed apart from the mark.
For Whiskey.
Claims use since Jan. 15, 1935.

Ser. No. 372,691. J. Manuel Klein, Philadelphia, Pa. Filed Dec. 18, 1935.

William Tell

For Brandy.
Claims use since Dec. 16, 1935.

Ser. No. 372,731. Morillon & Boscio Sucrs., S. en C., Ponce, P. R. Filed Dec. 17, 1935.



For Rum.
Claims use since Oct. 22, 1935.

Ser. No. 372,732. Morillon & Boscio Sucrs., S. en C., Ponce, P. R. Filed Dec. 17, 1935.



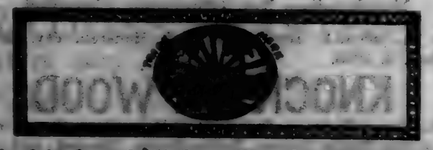
The outline of a label is disclaimed.
For Rum.
Claims use since Oct. 22, 1935.

Ser. No. 372,733. Morillon & Boscio Sucrs., S. en C., Ponce, P. R. Filed Dec. 17, 1935.



The outline of a label is disclaimed.
For Rum.
Claims use since Oct. 22, 1935.

Ser. No. 372,734. Morillon & Boscio Sucrs., S. en C., Ponce, P. R. Filed Dec. 17 1935.



No claim is made to the outline of a label nor to the words "Trade Mark." The drawing is lined for gold.
For Rum.
Claims use since Oct. 22, 1935.

Ser. No. 372,735. Morillon & Boscio Sucrs., S. en C., Ponce, P. R. Filed Dec. 17, 1935.



The outline of the label is disclaimed.
For Rum.
Claims use since Oct. 22, 1935.

Ser. No. 372,739. T. J. Pendergast Wholesale Liquor Co., Kansas City, Mo. Filed Dec. 17, 1935.

Old 1889 Brand

The word "Brand" is disclaimed apart from the mark.
For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since March, 1913.

Ser. No. 372,740. T. J. Pendergast Wholesale Liquor Co., Kansas City, Mo. Filed Dec. 17, 1935.

SILVER DEW

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since March, 1913.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 366,934. MAURICE HIRSCH, Houston, Tex. Filed Sept. 2, 1935.

KNOCK ON WOOD

For Lapel Buttons, Emblems, Medals, Lock Pieces, Bottle Caps, Bottle Covers, Bottle Corks, Plaques, and Medallions.

Claims use since Aug. 24, 1935.

Ser. No. 366,196. LIVERMORE AND KNIGHT COMPANY, Providence, R. I. Filed Sept. 11, 1935.

Radio-Lite

For Nonelectrical Novelty Display Signs.

Claims use since Aug. 23, 1935.



TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JANUARY 28, 1936

331,921. CONCENTRATED FOOD VITAMIN TABLET. ROYAL LEE, doing business as Vitamin Products Company, Milwaukee, Wis.
Filed August 5, 1935. Serial No. 366,107. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,922. FACIAL CREAMS, PEROXIDE CREAMS, FACIAL PACKS, SKIN BLEACH, LOTIONS FOR THE HANDS, FACE AND SKIN, FACE POWDER, BATH POWDER, DEPILATORIES, ETC. THE MAURICE COMPANY, San Francisco, Calif., assignee to Percy Walker, San Francisco, Calif.
Filed August 9, 1935. Serial No. 366,140. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,923. ICE CREAM, BABY CHICKS, LIVE AND DRESSED POULTRY. WORTHINGTON CREAMERY & PRODUCE COMPANY, Worthington, Minn.
Filed August 9, 1935. Serial No. 366,162. PUBLISHED NOVEMBER 19, 1935. Class 46.

331,924. SHAMPOO FOR THE HAIR. FAIRYFOOT PRODUCTS COMPANY, Chicago, Ill.
Filed August 10, 1935. Serial No. 366,170. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,925. EYE WASH. RALPH B. VAN HAZE, doing business as Eyelax Laboratories, Peoria, Ill.
Filed August 12, 1935. Serial No. 366,406. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,926. MEDICATED DEODORANT TABLETS FOR HUMAN USE FOR THE BERATH. TEBA, LIMITED, Paddington, London, England.
Filed August 21, 1935. Serial No. 366,547. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,927. CHEMICAL COMPOUND ADAPTED TO BE INTRODUCED INTO WORN INTERNAL COMBUSTION ENGINES TO REVITALIZE AND RECONDITION THEM. ROY C. LIND, doing business as Nupower Company, Oklahoma City, Okla.
Filed September 6, 1935. Serial No. 369,025. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,928. PETROLEUM PRODUCTS USED AS A BASE FOR COSMETICS, OINTMENTS, AND AS A SOFTENING AGENT IN THE MANUFACTURE OF RUBBER PRODUCTS, AS WELL AS FOR OTHER PRODUCTS. L. SONNEBORN SONS, INC., New York, N. Y.
Filed September 5, 1935. Serial No. 369,084. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,929. POTATO CHIPS AND BAKING PRODUCTS—NAMELY, CRACKERS, BISCUITS, COOKIES, CAKES, PRETZELS, PRETZELETTES, AND PRETZEL STICKS. MILTON W. FREEDMAN, doing business as White Oven Food Products Co., Philadelphia, Pa.
Filed September 6, 1935. Serial No. 369,053. PUBLISHED NOVEMBER 19, 1935. Class 46.

331,930. OIL BURNERS. ELECTRIC REFRIGERATOR SALES CORP., Elizabeth, N. J.
Filed July 13, 1935. Serial No. 367,226. PUBLISHED NOVEMBER 19, 1935. Class 24.

331,931. WHEAT FLOUR. BALLARD & BALLARD CO., Louisville, Ky.
Filed July 16, 1935. Serial No. 367,326. PUBLISHED NOVEMBER 19, 1935. Class 46.

331,932. COATS AND SUITS FOR GIRLS, MISSES, AND LADIES. HOLLYWOOD GIRLS COAT CO., New York, N. Y.
Filed July 16, 1935. Serial No. 367,353. PUBLISHED NOVEMBR 19, 1935. Class 39.

331,933. PILLS, TABLETS, POWDERS, OINTMENTS, SUPPOSITORIES, SOLUTIONS, AND SUSPENSIONS USED IN TREATING DISEASES OF THE SKIN SUCH AS PSORIASIS AND ECZEMA; ETC. YORK DRUG CO., INC., New York, N. Y.
Filed July 19, 1935. Serial No. 367,479. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,934. YELLOWISH OILY PREPARATION SOLUBLE IN WATER AND HAVING THE GENERAL APPEARANCE AND CHARACTERISTICS OF A TURKEY-RED OIL, FOR USE IN THE TANNING AND DRESSING OF LEATHER. JACQUES WOLF AND CO., Passaic, N. J.
Filed July 19, 1935. Serial No. 367,482. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,935. STAIR CARPET CLIPS, RODS, BUTTONS, AND ROD BRACKETS. SMITH & DAVIS LIMITED, Birmingham, England.
Filed January 23, 1935. Serial No. 360,609. PUBLISHED NOVEMBER 19, 1935. Class 13.

331,936. SKIN PREPARATION. JOSEPH B. SINGER, Philadelphia, Pa., assignor to Psoriatex Laboratories, Inc., Philadelphia, Pa.
Filed February 5, 1935. Serial No. 361,064. PUBLISHED NOVEMBER 12, 1935. Class. 6.

331,937. COSMETICS PREPARATIONS — NAMELY, SCENTS, FACE POWDER, COLD CREAM, TALCUM POWDER, AND TOILET WATER. WALGREEN CO., Chicago, Ill.
Filed February 25, 1935. Serial No. 361,828. PUBLISHED NOVEMBER 12, 1935. Class. 6.

331,938. EGGS, MILK, BUTTER, CREAM-MIXTURE, MILK-POWDER, CHEESE, MARGARINE, SALAD-OIL, AND EATABLE FAT. BALDUIN KNOBLAUCH, Hamburg, Germany.
Filed March 5, 1935. Serial No. 362,147. PUBLISHED NOVEMBER 19, 1935. Class 46.

331,939. HALIBUT LIVER OIL AND COD LIVER OIL PREPARATION. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y.
Filed March 7, 1935. Serial No. 362,232. PUBLISHED APRIL 16, 1935. Class 6.

331,940. WINDOW RUNWAYS OR CHANNEL AS USED FOR EXAMPLE, WITH SLIDABLE AUTOMOBILE WINDOWS, AND TACKING STRIPS AS USED, FOR EXAMPLE, WITH AUTOMOBILE BODIES AS AN ANCHORING MEANS FOR UPHOLSTERY, ETC. THE STANDARD PRODUCTS COMPANY, Cleveland, Ohio.
Filed March 14, 1935. Serial No. 362,537. PUBLISHED NOVEMBER 19, 1935. Class 19.

331,941. WOMEN'S CLOTHING—NAMELY, COATS, SUITS, DRESSES, SKIRTS, COAT DRESSES, AND JACKETS. THE KELLER-KOHN CO. INC., Cleveland, Ohio.
Filed March 21, 1935. Serial No. 362,829. PUBLISHED NOVEMBER 19, 1935. Class 39.

331,942. BRUSHES, AND PARTICULARLY HAIR BRUSHES, CLOTH BRUSHES, AND MILITARY BRUSHES. INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed March 22, 1935. Serial No. 362,874. PUBLISHED NOVEMBER 19, 1935. Class 23.

331,943. MEN'S CLOTHING—NAMELY, TROUSERS, COATS, SUITS, AND OVERCOATS. GORDON CLOTHING CO., Chicago, Ill.
Filed April 1, 1935. Serial No. 363,281. PUBLISHED NOVEMBER 19, 1935. Class 39.

331,944. BLOOD MEDICINE, KIDNEY AND BLADDER MEDICINE, CONSTIPATION AND INDIGESTION MEDICINE, CORN MEDICINE, PILE MEDICINE, AND PERFUME. EUSTACE H. FRENCH, Chicago, Ill.
Filed April 19, 1935. Serial No. 363,962. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,945. INHALER DEVICES OF THE CHARACTER THAT CONDITION AIR TO BE INHALED BY PERSONS SUFFERING FROM NASAL AND SINUS DIFFICULTIES, THE DEVICES IN GENERAL COMPRISING A CONTAINER FOR FLUIDS OR THE LIKE, AN AIR PASSAGE THERETHROUGH WHOSE OUTLET SUPPLIES AIR TO BE INHALED, AND WHOSE AIR PASSAGE FROM INLET TO OUTLET CONTAINS AIR-CONDITIONING APPARATUS. DETROIT COVER COMPANY, Detroit, Mich.
Filed May 13, 1935. Serial No. 364,865. PUBLISHED NOVEMBER 19, 1935. Class 44.

331,946. ICE CREAM, ICE CREAM POWDERS. H. C. BRILL CO., INC., Newark, N. J.
Filed August 5, 1933. Serial No. 340,430. PUBLISHED NOVEMBER 19, 1935. Class 46.

331,947. WINES. CALIFORNIA FRUIT PRODUCTS CO., INC., New York, N. Y.
Filed May 11, 1934. Serial No. 351,289. PUBLISHED NOVEMBER 27, 1934. Class 47.

331,948. THERMOSTATIC COMBUSTION CONTROLS FOR HEATING PLANTS, PRESSURE OPERATING CONTROL MECHANISM INVOLVING USE OF THERMOSTATIC VALVES FOR HEATING, VENTILATING, AND THE LIKE. SUPERSTAT COMPANY, Springfield, Mass.
Filed June 20, 1934. Serial No. 352,936. PUBLISHED NOVEMBER 19, 1935. Class 34.

331,949. HAM AND TONGUE, BUTTERED, SOLD IN CANS FOR USE AS SANDWICH FILLING AND THE LIKE. SHERMAN BROTHERS, INC., New York, N. Y.
Filed July 3, 1934. Serial No. 353,563. PUBLISHED NOVEMBER 19, 1935. Class 46.

331,950. PERMANENT WAVE SOLUTION, SOAPLESS OIL SHAMPOO, FINGER WAVING POWDER, NAIL POLISH REMOVER, AND FINGER WAVING SOLUTION. REGAL COMPANY, Birmingham, Ala.
Filed August 15, 1934. Serial No. 355,039. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,951. CHARCOAL, CARBON, AND ACTIVATED CARBON FOR USE AS DEODORIZING AND DECOLORIZING MATERIALS. E. R. TILTON, doing business as E. R. Tilton & Co., Los Angeles, Calif.
Filed August 22, 1934. Serial No. 355,331. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,952. CHARCOAL, CARBON, AND ACTIVATED CARBON FOR USE AS DEODORIZING AND DECOLORIZING MATERIALS. E. R. TILTON, doing business as E. R. Tilton & Co., Los Angeles, Calif.
Filed August 22, 1934. Serial No. 355,332. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,953. CANNED BEANS AND TOMATOES. FARMERS FEDERATION, INCORPORATED, Asheville, N. C.
Filed September 6, 1934. Serial No. 355,759. PUBLISHED NOVEMBER 19, 1935. Class 46.

331,954. WELDING ELECTRODES FORMED OF CARBON. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio.
Filed September 26, 1934. Serial No. 356,445. PUBLISHED NOVEMBER 19, 1935. Class 21.

331,955. NASAL OIL. PEARCE LABORATORIES, INC., Baltimore, Md.
Filed August 23, 1935. Serial No. 362,634. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,956. LADIES' AND MEN'S KNITTED OUTERWEAR—NAMELY, BATHING SUITS, SWEATERS, SUITS, DRESSES, AND CARDIGANS. WOLFSIN KNITTING MILLS, INC., New York, N. Y.
Filed August 23, 1935. Serial No. 362,642. PUBLISHED NOVEMBER 19, 1935. Class 39.

331,957. MEDICINAL POWDER FOR THE TREATMENT OF PATHOLOGICAL AFFECTIONS OF THE STOMACH. LA COMPAGNIE PHARMACEUTIQUE DES SPECIALITES, Montreal, Quebec, Canada.
Filed August 27, 1935. Serial No. 362,749. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,958. INSECTICIDES. OTTO B. LINDE, doing business as Bellclide Laboratories, Upper Montclair, N. J.
Filed August 30, 1935. Serial No. 362,854. PUBLISHED NOVEMBER 19, 1935. Class 5.

331,959. CANDY. JAMES M. WASHBURN CANDY SPECIALTY CORPORATION, Long Island City, N. Y.
Filed August 31, 1935. Serial No. 362,906. PUBLISHED NOVEMBER 19, 1935. Class 46.

331,960. CANDY. JAMES M. WASHBURN CANDY SPECIALTY CORPORATION, Long Island City, N. Y.
Filed August 31, 1935. Serial No. 362,909. PUBLISHED NOVEMBER 19, 1935. Class 46.

331,961. WOMEN'S SLIPS. THE BROWN CO. INC., New York, N. Y.
Filed September 3, 1935. Serial No. 362,917. PUBLISHED NOVEMBER 19, 1935. Class 39.

331,962. FRESH-ROASTED COFFEE. EDWARD L. BURMAN, Wooster, Ohio.
Filed September 3, 1935. Serial No. 362,918. PUBLISHED NOVEMBER 19, 1935. Class 46.

331,963. MEN'S AND BOYS' WEARING APPAREL—NAMELY, TOPCOATS AND OVERCOATS. GREENSPOON CLOTHING CO., INC., St. Louis, Mo.
Filed September 3, 1935. Serial No. 362,932. PUBLISHED NOVEMBER 19, 1935. Class 39.

331,964. CANNED VEGETABLES. ROYAL PACKING CO., Los Angeles, Calif.
Filed September 3, 1935. Serial No. 362,964. PUBLISHED NOVEMBER 19, 1935. Class 46.

331,965. FRESH CITRUS FRUIT. ANAHEIM COMMUNITY GROWERS, Anaheim, Calif.
Filed September 10, 1935. Serial No. 363,221. PUBLISHED NOVEMBER 19, 1935. Class 45.

331,966. CANNED FIGS. J. H. GARY, doing business as J. H. Gary Co., San Francisco, Calif.
Filed September 10, 1935. Serial No. 363,251. PUBLISHED NOVEMBER 19, 1935. Class 46.

331,967. HOSIERY. BEAR BRAND HOSIERY CO., Kankakee, Ill.
Filed September 10, 1935. Serial No. 363,474. PUBLISHED NOVEMBER 19, 1935. Class 39.

331,968. CIGARS. A. KAPKA & CO. INC., New Haven, Conn.
Filed September 10, 1935. Serial No. 363,496. PUBLISHED NOVEMBER 19, 1935. Class 17.

331,969. HOSIERY. PLYMOUTH WHOLESALE DRY GOODS CORP., New York, N. Y.
Filed September 12, 1935. Serial No. 363,508. PUBLISHED NOVEMBER 19, 1935. Class 39.

331,970. SULPHUR AND LIVER BLOOD TONIC. RICHARD G. TURNBOW, doing business as R. G. Turnbow Co., New York, N. Y.
Filed August 2, 1935. Serial No. 367,946. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,971. BLOUSES AND DRESSES FOR WOMEN AND MISSES. THE BLOUSECRAFT COMPANY, INC., New York, N. Y.
Filed August 6, 1935. Serial No. 367,957. PUBLISHED NOVEMBER 19, 1935. Class 39.

331,972. COMPOUND FOR BLEACHING, DEODORIZING AND DISINFECTING, HAVING INCIDENTAL CLEANSING PROPERTIES. NU-WAY WASH PRODUCTS CORP., doing business as Nu-Way Wash Products Co., Chicago, Ill.
Filed August 22, 1935. Serial No. 362,574. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,973. MEDICINAL PREPARATION RECOMMENDED FOR TREATMENT OF TIRED NERVES AND GENERAL RUN DOWN CONDITIONS IN THE HUMAN BODY. MARTIN SOMMERS, New York, N. Y.
Filed August 22, 1935. Serial No. 362,596. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,974. FRESH CANTALOUPE, FRESH VEGETABLES, FRESH DECIDUOUS FRUITS, FRESH CITRUS FRUITS, AND FRESH GRAPES. JACK BEAN & MCBURNEY CO., Brawley, Calif.
Filed August 26, 1935. Serial No. 362,616. PUBLISHED NOVEMBER 19, 1935. Class 45.

331,975. CLEANER FOR WALLS, WOODWORK, VARNISHED SURFACES, TILE AND MARBLE FLOORS, AUTOMOBILES, METAL, FOR CLEANING THE SURFACES OF LINOLEUM, COMPOSITION, ETC. YOUNGSTOWN PAINT AND GLASS COMPANY, Youngstown, Ohio.
Filed September 25, 1935. Serial No. 362,785. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,976. DIURETIC. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed September 27, 1935. Serial No. 362,785. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,977. ANALGESIC, SEDATIVE, AND ANTIPYRETIC. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed September 27, 1935. Serial No. 362,786. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,978. MALE SEXUAL HORMONE. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed September 27, 1935. Serial No. 362,787. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,979. ANTISPASMODIC. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed September 27, 1935. Serial No. 362,788. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,980. CHILI SAUCE, SANDWICH SPREAD, MAYONNAISE, MACARONI, AND FLAVORING EXTRACTS. HILL BROTHERS, INC., Miami, Fla.
Filed September 21, 1935. Serial No. 362,572. PUBLISHED NOVEMBER 19, 1935. Class 46.

331,981. ONE AND TWO-PIECE GYM SUITS, GYM SHORTS, GYM KNICKERS, AND COTTON GYM SHIRTS. M. B. MYERS CO. LTD., Los Angeles, Calif.
Filed September 21, 1935. Serial No. 362,577. PUBLISHED NOVEMBER 19, 1935. Class 39.

331,982. SHAVING CREAM AND SHAVING SOAP. CONRAD RAZOR BLADE CO. INC., Long Island City, N. Y.
Filed September 23, 1935. Serial No. 362,604. PUBLISHED NOVEMBER 19, 1935. Class 4.

331,983. ELECTRICALLY ILLUMINATED SIGNS. NEON PRODUCTS, INC., Lima, Ohio.
Filed September 23, 1935. Serial No. 362,625. PUBLISHED NOVEMBER 19, 1935. Class 21.

331,984. HEEL AND TOE PLATES FOR SHOES. LOUIS WEINSTEIN, doing business as Security Shoe Supply Co., St. Louis, Mo.
Filed September 23, 1935. Serial No. 362,632. PUBLISHED NOVEMBER 19, 1935. Class 13.

331,985. LIQUID VEHICLE SERVING AS A BASE FOR OTHER MEDICINAL INGREDIENTS. GREEN CROSS PHARMACEUTICAL PRODUCTS, INC., New York, N. Y.
Filed August 17, 1935. Serial No. 362,409. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,986. GENERAL TONIC. GREEN CROSS PHARMACEUTICAL PRODUCTS, INC., New York, N. Y.
Filed August 17, 1935. Serial No. 362,410. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,987. NOSE DROPS. GREEN CROSS PHARMACEUTICAL PRODUCTS, INC., New York, N. Y.
Filed August 17, 1935. Serial No. 362,411. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,988. PREPARATION FOR THE TREATMENT OF HAY FEVER, CATARRH OF THE HEAD, ASTHMA, SINUS, HEAD COLDS, AND THE LIKE. LEON C. EMAN, Cicero, Ill.
Filed August 7, 1935. Serial No. 366,071. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,989. ALUMINUM DOUBLE BOILERS, DEEP FAT FRYERS, STRAIGHT COVERED KETTLES, PRESERVING KETTLES, TEA KETTLES, DRIP COFFEE MAKERS, CAKE PANS, ETC. SIMMONS HARDWARE COMPANY, St. Louis, Mo.
Filed August 19, 1935. Serial No. 368,462. PUBLISHED NOVEMBER 19, 1935. Class 12.

331,990. GENERAL TONIC, NOSE DROPS, A LAXATIVE, AN EXPECTORANT, A LIQUID VEHICLE CONSTITUTING A BASE FOR OTHER MEDICINAL INGREDIENTS, A DOUCHE POWDER, AND A NERVE QUIETING MEDICINE. GREEN CROSS PHARMACEUTICAL PRODUCTS, INC., New York, N. Y.
Filed August 17, 1935. Serial No. 362,415. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,991. LAXATIVE. GREEN CROSS PHARMACEUTICAL PRODUCTS, INC., New York, N. Y.
Filed August 17, 1935. Serial No. 362,413. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,992. BATH SALTS, HAIR TONIC, BRILLIANTINE, HAND LOTION, GREASELESS HAIR DRESSING, ALMOND CREAM, LIQUID CLEANSING CREAM, DEODORANT, ETC. CHRISTY INC., Newark, N. Y.
Filed July 13, 1935. Serial No. 367,223. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,993. FISH OIL CAPSULES. MASTER LABORATORIES, INC., Omaha, Nebr.
Filed July 2, 1935. Serial No. 366,911. PUBLISHED NOVEMBER 19, 1935. Class 6.

331,994. POLISHES WITH INCIDENTAL CLEANING PROPERTIES FOR AUTOMOBILES, FLOORS, FURNITURE, AND OTHER ENAMELLED, LACQUERED, PAINTED, OR VARNISHED SURFACES, IN LIQUID OR WAX FORM; DRY, PASTE, AND READY-MIXED PAINTS; VARNISHES; PAINT OR LACQUER ENAMELS; LACQUERS; PUTTY; AND PAINT AND ENAMEL REMOVER. S. H. KRESS AND COMPANY, New York, N. Y.
Filed June 26, 1935. Serial No. 366,682. PUBLISHED OCTOBER 15, 1935. Class 16.

331,995. MEDICINAL PRODUCTS FOR USE IN OPHTHALMOLOGY. FRANCISCO ALEMAN GUILLAMON, Murcia, Spain.
Filed June 25, 1935. Serial No. 366,613. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,996. MEDICINAL TABLETS FOR THE TREATMENT OF DYSMENORRHOEA AND MENORRHAGIA. MICHAEL HAST & COMPANY LIMITED, London, England.
Filed May 31, 1935. Serial No. 365,622. PUBLISHED NOVEMBER 12, 1935. Class 6.

331,997. COFFEE. ALBERT EHLERS, INC., Brooklyn, N. Y.
Filed September 14, 1935. Serial No. 369,296. PUBLISHED NOVEMBER 19, 1935. Class 46.

331,998. CARBON AND ALLOY STEEL BARS. ARTHUR B. BEES, doing business as S A E Steels, Cleveland, Ohio.
Filed September 14, 1935. Serial No. 369,283. PUBLISHED NOVEMBER 19, 1935. Class 14.

331,999. SODIUM HYDRATE, SODIUM CARBONATE, SODIUM BICARBONATE, CHLORIDE OF LIME, AND CHEMICALS SUITABLE FOR TANNING ALONE AND IN COMBINATION, ETC. INNIS, SPEIDEN & COMPANY, New York, N. Y.
Filed September 12, 1935. Serial No. 369,277. PUBLISHED NOVEMBER 19, 1935. Class 6.

332,000. GAS ABSORBENT MATERIALS. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed September 12, 1935. Serial No. 369,266. PUBLISHED NOVEMBER 19, 1935. Class 6.

332,001. COAL. JOSEPH P. ROSENFELD, Newark, N. J. Filed September 12, 1935. Serial No. 369,244. PUBLISHED NOVEMBER 19, 1935. Class 1.

332,002. NECKTIES AND FOUR-IN-HAND TIES. OSCAR MARKOWITZ, Brooklyn, N. Y. Filed September 12, 1935. Serial No. 369,294. PUBLISHED NOVEMBER 19, 1935. Class 39.

332,003. RIDING BREECHES, JODHPURS, AND RIDING COATS AND VESTS FOR MEN, WOMEN, AND CHILDREN. I. C. ISAACS & COMPANY, INC., Baltimore, Md. Filed September 12, 1935. Serial No. 369,229. PUBLISHED NOVEMBER 19, 1935. Class 39.

332,004. NATURAL AND SYNTHETIC ESSENTIAL OILS SUITABLE FOR PERFUMING PURPOSES. FRITZSCHE BROTHERS, INC., New York, N. Y. Filed September 12, 1935. Serial No. 369,236. PUBLISHED NOVEMBER 19, 1935. Class 6.

332,005. SUITS, COATS, VESTS, PANTS, TOPCOATS, AND OVERCOATS FOR MEN. S. MARKANBEY AND SONS, INC., Philadelphia, Pa. Filed September 11, 1935. Serial No. 369,197. PUBLISHED NOVEMBER 19, 1935. Class 39.

332,006. ANESTHETICS. E. R. SQUIBB & SONS, New York, N. Y. Filed September 10, 1935. Serial No. 369,172. PUBLISHED NOVEMBER 19, 1935. Class 6.

332,007. PREPARATION FOR THE TREATMENT OF GASTRIC HYPERACIDITY AND ALLIED DIGESTIVE SYMPTOMS. MYRON L. WALKER, INC., Mount Vernon, N. Y. Filed September 7, 1935. Serial No. 369,115. PUBLISHED NOVEMBER 19, 1935. Class 6.

332,008. BALLAST OIL. BARRETT CORPORATION, Philadelphia, Pa. Filed October 4, 1935. Serial No. 369,990. PUBLISHED NOVEMBER 19, 1935. Class 46.

332,009. APPARATUS FOR THE TREATMENT OF SOLIDS SUSPENDED IN LIQUIDS AND MORE PARTICULARLY FOR SEDIMENTATION APPARATUS SUCH AS CLARIFIERS AND THICKENERS, ALSO GRIT REMOVAL APPARATUS. THE DORR COMPANY, INC., New York, N. Y. Filed October 3, 1935. Serial No. 369,967. PUBLISHED NOVEMBER 19, 1935. Class 23.

332,010. FRESH APPLES AND PEARS. LAM BUCK COMPANY, Portland, Oreg. Filed October 3, 1935. Serial No. 369,961. PUBLISHED NOVEMBER 19, 1935. Class 46.

332,011. HARDENED PLASTIC MATERIAL IN THE FORM OF SHEETS, RODS, OR SPECIAL CASTINGS. CATALIN CORPORATION OF AMERICA, Fords, N. J. Filed October 2, 1935. Serial No. 369,946. PUBLISHED NOVEMBER 19, 1935. Class 1.

332,012. ELECTRIC TOASTERS. SAMSON-UNITED CORPORATION, Rochester, N. Y. Filed October 2, 1935. Serial No. 369,931. PUBLISHED NOVEMBER 19, 1935. Class 21.

332,013. MACHINE TOOLS, PARTICULARLY MILLING MACHINES. BROWN & SHARPE MANUFACTURING COMPANY, Providence, R. I. Filed October 2, 1935. Serial No. 369,909. PUBLISHED NOVEMBER 19, 1935. Class 23.

332,014. ELECTRIC STORAGE BATTERIES. AMERICAN AUTO SUPPLY CO. INC., Rochester, N. Y. Filed October 2, 1935. Serial No. 369,904. PUBLISHED NOVEMBER 19, 1935. Class 21.

332,015. PHOTOGRAPHIC CAMERAS. PURMA CAMERAS LIMITED, London, England. Filed October 1, 1935. Serial No. 369,895. PUBLISHED NOVEMBER 19, 1935. Class 57.

332,016. SAWS. THE OHLEN-BISHOP COMPANY, Columbus, Ohio. Filed October 1, 1935. Serial No. 369,894. PUBLISHED NOVEMBER 19, 1935. Class 23.

332,017. SCREEN PLATES, EVAPORATOR TUBES, SUCTION BOX COVERS, SLICE LIPS, PULP SCREENS, FORMING BOARDS, EQUALIZER PLATES, FELT CONDITIONERS, ETC. CHROMIUM CORPORATION OF AMERICA, New York, N. Y. Filed October 1, 1935. Serial No. 369,872. PUBLISHED NOVEMBER 19, 1935. Class 23.

332,018. HORSE RADISH. CHARLES WALKER, Clifton, N. J. Filed September 30, 1935. Serial No. 369,858. PUBLISHED NOVEMBER 19, 1935. Class 46.

332,019. SELF-MEASURING PUMPS. TOKHEIM OIL TANK & PUMP CO., Fort Wayne, Ind. Filed September 30, 1935. Serial No. 369,855. PUBLISHED NOVEMBER 19, 1935. Class 23.

332,020. DETERGENT COMPOUND FOR GENERAL WASHING AND CLEANSING. LEVER BROTHERS COMPANY, Cambridge, Mass. Filed September 28, 1935. Serial No. 369,827. PUBLISHED NOVEMBER 19, 1935. Class 4.

332,021. DETERGENT COMPOUND FOR GENERAL WASHING AND CLEANSING. LEVER BROTHERS COMPANY, Cambridge, Mass. Filed September 28, 1935. Serial No. 369,816. PUBLISHED NOVEMBER 19, 1935. Class 4.

332,022. DENTAL CASTINGS. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed October 15, 1935. Serial No. 370,287. PUBLISHED NOVEMBER 19, 1935. Class 44.

332,023. DENTAL CASTINGS. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed October 15, 1935. Serial No. 370,289. PUBLISHED NOVEMBER 19, 1935. Class 44.

332,024. DENTAL PLATE, BACKINGS, DISKS, AND SHELLS. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed October 15, 1935. Serial No. 370,289. PUBLISHED NOVEMBER 19, 1935. Class 44.

332,025. DENTAL PLATE AND SHELLS. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed October 15, 1935. Serial No. 370,290. PUBLISHED NOVEMBER 19, 1935. Class 44.

332,026. COAL. OLD BEN COAL CORPORATION, Chicago, Ill. Filed October 30, 1935. Serial No. 370,997. PUBLISHED DECEMBER 10, 1935. Class 1.

332,027. GOLF BALLS. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed October 19, 1934. Serial No. 367,816. PUBLISHED NOVEMBER 19, 1935. Class 22.

332,028. FRESH DUBUQUOIS PRUNE. MAXWELL & O'BRIEN, Worcester, Mass. Filed November 5, 1934. Serial No. 367,913. PUBLISHED NOVEMBER 19, 1935. Class 46.

332,029. MEDICATED PREPARATION FOR RECTAL USE AS LINIMENT AND INHALANT. SALVATORE ROSSANO, New York, N. Y. Filed December 12, 1934. Serial No. 368,279. PUBLISHED NOVEMBER 12, 1935. Class 6.

332,030. CRACKERS OR BISCUITS. SPAN BISCUITS OF AMERICA, INC., Lowell, Mass. Filed December 19, 1934. Serial No. 368,377. PUBLISHED NOVEMBER 19, 1935. Class 46.

332,031. SALAD DRESSING, RELISH SPREAD, FRENCH DRESSING, MINCE MEAT, MAYONNAISE, APPLE CIDER VENEGAR, AND DISTILLED VINEGAR. WEBSTER MAYONNAISE CO., Louisville, Ky. Filed December 31, 1934. Serial No. 368,602. PUBLISHED NOVEMBER 19, 1935. Class 46.

332,032. FRESH VEGETABLES. H. M. GRIMSBY JR., Inc., doing business as Grimsby & Seifert, Los Angeles and Salinas, Calif. Filed September 4, 1935. Serial No. 369,668. PUBLISHED NOVEMBER 19, 1935. Class 46.

332,033. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed October 8, 1935. Serial No. 370,084. PUBLISHED NOVEMBER 19, 1935. Class 46.

332,034. CANARY BIRDS. THE E. T. FERNOW COMPANY, Rochester, N. Y. Filed October 8, 1935. Serial No. 370,139. PUBLISHED NOVEMBER 19, 1935. Class 1.

332,035. CANARY BIRDS. THE E. T. FERNOW COMPANY, Rochester, N. Y. Filed October 8, 1935. Serial No. 370,140. PUBLISHED NOVEMBER 19, 1935. Class 1.

332,036. CANNED FISH. KELLEY-CLARKE CO., Seattle, Wash. Filed October 8, 1935. Serial No. 370,144. PUBLISHED NOVEMBER 19, 1935. Class 46.

332,037. BOX STRAPPING. THE STANLEY WORKS, New Britain, Conn. Filed October 8, 1935. Serial No. 370,151. PUBLISHED NOVEMBER 19, 1935. Class 13.

332,038. BREAD. MIAMI BAKING CO., Miami, Fla. Filed August 14, 1935. Serial No. 368,306. PUBLISHED NOVEMBER 19, 1935. Class 46.

332,039. BUTTER. FREDERICK F. LOWENSTEIN & SON, New York, N. Y. Filed August 12, 1935. Serial No. 368,228. PUBLISHED NOVEMBER 19, 1935. Class 46.

332,040. MALT PRODUCTS, AND MORE PARTICULARLY BEER AND ALE. STERLING BREWERS, INC., Evansville, Ind. Filed August 10, 1935. Serial No. 368,197. PUBLISHED OCTOBER 15, 1935. Class 63.

332,041. PEANUT BUTTER. HILL BROTHERS, INC., Miami, Fla. Filed September 21, 1935. Serial No. 369,571. PUBLISHED NOVEMBER 19, 1935. Class 46.

332,042. PREPARATION FOR USE AS AN ALTERATIVE AND ANTISEPTIC AND PARTICULARLY FOR GOITER, GLANDULAR DISEASES, IODINE-DEFICIENCY, AND EXTERNAL INJURIES. CHARLES E. CLARK, doing business as Clark Chemical Company, Omaha, Nebr. Filed September 20, 1935. Serial No. 369,524. PUBLISHED NOVEMBER 19, 1935. Class 6.

332,043. RECTAL PREPARATION FOR DISEASES AND AILMENTS OF THE PREY. APEX LABORATORIES, INC., Chicago, Ill. Filed September 20, 1935. Serial No. 369,521. PUBLISHED NOVEMBER 19, 1935. Class 6.

332,044. SLIDING FASTENERS. H. WITTENBERG & CO., Bunzlberg, Czechoslovakia. Filed September 19, 1935. Serial No. 369,512. PUBLISHED NOVEMBER 19, 1935. Class 12.

332,045. LADIES' DRESSES, BLOUSES, AND WAISTS. LEMUEL BLOUSE CO., New York, N. Y. Filed September 7, 1935. Serial No. 369,085. PUBLISHED NOVEMBER 19, 1935. Class 39.

332,046. POWDER USED FOR FEMININE HYGIENE AS A SOOTHING ANTISEPTIC, A CLEANSING AGENT, AND DEODORANT, FOR SPRAYING INTO THE FEMININE VAGINA. ERNEST HENRY LUNDBERG, doing business as San-O-Kleene Laboratories, New York, N. Y. Filed July 30, 1935. Serial No. 367,845. PUBLISHED NOVEMBER 19, 1935. Class 6.

332,047. SOLDER IN LIQUID FORM, CONCENTRATED METALLIC PREPARATIONS FOR REPAIRING AUTOMOBILE RADIATORS, CYLINDER BLOCKS, AND CONDUITS IN WATER COOLING SYSTEMS; A WELDING COMPOUND FOR AUTOMOBILES, TRUCKS, AND TRACTOR RADIATORS, AND A RADIATOR FLUSHING AND CLEANSING COMPOUND HAVING INCIDENTAL WATER SOFTENING PROPERTIES. SIMON D. SLOAN, doing business as Quaker Chemical Co., St. Paul, Minn. Filed July 30, 1935. Serial No. 367,837. PUBLISHED NOVEMBER 19, 1935. Class 6.

332,048. WINES. MEYER LEVINSON, Fort Worth, Tex. Filed July 26, 1935. Serial No. 367,723. PUBLISHED NOVEMBER 19, 1935. Class 47.

332,049. PLASTIC IMPRESSION MATERIAL FOR DENTAL PURPOSES. GOLDSMITH BROS. SMELTING & REFINING CO., Chicago, Ill. Filed July 24, 1935. Serial No. 367,701. PUBLISHED NOVEMBER 19, 1935. Class 44.

332,050. LIQUID PREPARATION FOR USE AS A NON-POISONOUS, NON-ESCHARATIC, GERMICIDAL HEMOSTAT, BACTERIOSTAT, ASTRINGENT, DEODORANT, AND GRANULATION PROMOTER. J. W. KING, doing business as King Chemical Company, El Dorado, Ark. Filed July 23, 1935. Serial No. 367,568. PUBLISHED NOVEMBER 19, 1935. Class 6.

332,051. DENTAL CASTINGS. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed October 15, 1935. Serial No. 370,306. PUBLISHED NOVEMBER 19, 1935. Class 44.

332,052. AUTOMOBILES. LINCOLN MOTOR COMPANY, Detroit, Mich. Filed October 14, 1935. Serial No. 370,351. PUBLISHED NOVEMBER 19, 1935. Class 19.

332,053. ROCK WOOL. THE STANDARD LIME AND STONE COMPANY, Millville, W. Va., and Baltimore, Md. Filed October 5, 1935. Serial No. 370,153. PUBLISHED NOVEMBER 19, 1935. Class 1.

332,054. BOX STRAPPING. THE STANLEY WORKS, New Britain, Conn. Filed October 5, 1935. Serial No. 370,152. PUBLISHED NOVEMBER 19, 1935. Class 13.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

332,055. (CLASS 31. FILTERS AND REFRIGERATORS.) THE DELCO MANUFACTURING COMPANY, Dayton, Ohio. Filed July 12, 1934. Serial No. 353,002.

Free-Cube

For Ice Trays Used as Refrigerating Units. Claims use since June 15, 1933.

332,056. (CLASS 42. THREAD AND YARN.) NORTH AMERICAN RAYON CORPORATION, New York, N. Y. Filed Aug. 3, 1934. Serial No. 354,628.

Foulardine

For Thread and/or Yarn of Regenerated Cellulose. Claims use since July 20, 1934.

332,007. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 31, 1934. Serial No. 357,708.

CELANO

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 29, 1934.

332,058. (CLASS 48. THREAD AND YARN.) BERNHARD HEMINWAY COMPANY, New York, N. Y. Filed Dec. 22, 1934. Serial No. 359,562.

Shanghai Shag

For Yarn.
Claims use since Dec. 18, 1934.

332,059. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) OLD BERGEN DISTILLERIES, INC., North Bergen, N. J. Filed Feb. 21, 1935. Serial No. 361,039.

OLD BERGEN

For Apple Jack.
Claims use since Dec. 14, 1934.

332,060. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) STEELCRAFT PISTON RING COMPANY, Detroit, Mich. Filed Mar. 30, 1935. Serial No. 362,241.

STEELCRAFT

For Piston Rings.
Claims use since July 1, 1932.

332,061. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) LIEBMAN & MOLO, Dubuque, Iowa. Filed May 13, 1935. Serial No. 364,231.

MARQUETTE

For Coal.
Claims use since Oct. 18, 1934.

332,062. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) NAT D. GELBERMS, doing business as Sunset Distilling Company, Not Inc., Chicago, Ill. Filed June 12, 1935. Serial No. 366,062.

MANKATO CLUB

For Cordials, Sloe Gin, Liqueurs, Rum, Brandy, Kummel, and Whisky.
Claims use since Dec. 16, 1914.

332,063. (CLASS 12. CONSTRUCTION MATERIALS.) HOLSMAN & SON, Elkhart, Ind. Filed July 8, 1935. Serial No. 367,871.

LIK-ROK

For a Solution to Accelerate and Harden Ordinary Concrete.
Claims use since Oct. 15, 1934.

332,064. (CLASS 50. PRINTS AND PUBLICATIONS.) SANTA CLAUS, INCORPORATED, Chicago, Ill., and Santa Claus, Ind. Filed July 20, 1935. Serial No. 367,811.

SANTA CLAUS

For Printed and Embossed Greeting Cards, and Printed and Embossed Decorative Seals and Stamps to Be Used Upon Gift Packages and Envelopes.
Claims use since June 1, 1932.

332,065. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE F. GLEISCHITZ SONS CO., Cincinnati, Ohio. Filed Oct. 19, 1935. Serial No. 370,888.

Laceless

For Inflated Game Ball.
Claims use since June, 1926.

332,066. (CLASS 46. BEVERAGES, NONALCOHOLIC.) JOE L. TRAVER, Birmingham, Ala. Filed Nov. 8, 1935. Serial No. 371,224.

Triple Dry

For Nonalcoholic Maltless Beverage Sold as a Soft Drink, and Syrups and Extracts for Making the Same.
Claims use since Jan. 1, 1932.

332,067. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAMUEL HERMAN & CO., INC., New York, N. Y. Filed Nov. 14, 1935. Serial No. 371,541.

KrosnéLace

For Lace Piece Goods.
Claims use since March, 1934.

332,068. (CLASS 48. THREAD AND YARN.) BERNHARD ULMANN CO. INC., New York, N. Y. Filed Nov. 19, 1935. Serial No. 371,745.

STANDARD

For Yarns for Art Needlework.
Claims use since 1923.

332,069. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GRIFFITH LABORATORIES, INC., Chicago, Ill. Filed Nov. 27, 1935. Serial No. 372,054.

"Savory"
MOCK CHICKEN LEG DRESSING

For Flavoring Composition and Dressing to Be Added to Ground Meats.
Claims use since August, 1934.

332,070. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DEPERDUSSIN PERIODU, doing business as Scientific Model Airplane Co., Newark, N. J. Filed Dec. 5, 1935. Serial No. 372,276.

HI-FLYER

For Toys—Namely, Model Aeroplanes, Motorboats, and Automobiles.
Claims use since 1931.

332,071. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) KRAUS BROS. & CO., INC., New York, N. Y. Filed Dec. 14, 1935. Serial No. 372,906.

BROOKS
FINEST DISTILLED
LONDON DRY GIN

For Whiskies, Gins, and Alcoholic Cordials.
Claims use since March, 1934.

TRADE-MARK REGISTRATIONS RENEWED

106,274. VETERINARY REMEDIES FOR CERTAIN NAMED DISEASES. Registered October 13, 1915. WELLS MEDICINE COMPANY. Renewed October 13, 1935, to W. B. Wilson, doing business as Wells Medicine Company, La Fayette, Ind., successor.

107,337. RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, AND SHOES COMPRISING FABRIC UPPERS VULCANIZED TO RUBBER SOLES. Registered November 30, 1915. HOOD RUBBER CO., Watertown, Mass. Renewed November 23, 1935, to Hood Rubber Company, Inc., Wilmington, Del., a corporation of Delaware, assignee.

107,456. A PREPARATION OF PARTICULAR SERVICE IN THE DIETETIC TREATMENT OF WASTING DISEASES. Registered November 30, 1915. SCHERING EMULSION COMPANY, New York, N. Y., a corporation of New York. Renewed November 30, 1935.

107,496. WHITE FLOUR MADE FROM SPRING AND WINTER WHEATS. Registered December 7, 1915. THE NEW CENTURY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed December 7, 1935.

107,504. FOLDING COATED PAPER. Registered December 7, 1915. STOKE & SMITH INC. Renewed December 7, 1935, to John Carter & Company, Incorporated, Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

107,506. PORT-WINE. Registered December 7, 1915. JULIUS WILE, SONS & CO. Renewed December 7, 1935, to Julius Wile Sons & Co., Inc., New York, N. Y., a corporation of New York, assignee.

107,642. A PHARMACEUTICAL PRODUCT FOR USE IN CERTAIN NAMED AILMENTS. Registered December 14, 1915. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a corporation of Switzerland. Renewed December 14, 1935.

107,643. A PHARMACEUTICAL PRODUCT USED FOR CERTAIN NAMED AILMENTS. Registered December 14, 1915. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a corporation of Switzerland. Renewed December 14, 1935.

107,706. CONFECTIONERS' SUGAR. Registered December 21, 1915. THE FRANKLIN SUGAR REFINING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed December 21, 1935.

107,778. PREPARATION FOR LUNG, THROAT, AND INTESTINAL DISEASES. Registered December 28, 1915. THE DELSON CHEMICAL CO., INC., New York, N. Y., a corporation of New York. Renewed December 28, 1935.

107,789. CHEWING-GUM. Registered December 28, 1915. L. P. LARSON JR. COMPANY. Renewed December 28, 1935, to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

107,797. LUBRICATING-OILS. Registered December 28, 1915. UNION OIL COMPANY OF CALIFORNIA, San Francisco, Calif. Renewed December 28, 1935, to Union Oil Company of California, Los Angeles, Calif., a corporation of California.

107,872. PAPER-BOARD. Registered December 28, 1915. THE WEST JERSEY PAPER MANUFACTURING COMPANY, Camden, N. J., a corporation of New Jersey. Renewed December 28, 1935.

107,873. PAPER-BOARD. Registered December 28, 1915. THE WEST JERSEY PAPER MANUFACTURING COMPANY, Camden, N. J., a corporation of New Jersey. Renewed December 28, 1935.

107,881. MEDICINAL TONIC. Registered January 4, 1916. ADELIA G. DORSEY, Lockport, La. Renewed January 4, 1936.

107,930. OLIVE-OIL. Registered January 4, 1916. MARIACOS IMPORTING CO. Renewed January 4, 1936, to Mallars & Company, Chicago, Ill., a corporation of Illinois, assignee.

107,989. FLY-KILLERS OR HAND DEVICES FOR KILLING FLIES AND OTHER INSECTS. Registered January 4, 1916. UNITED STATES WIRE MAT COMPANY. Renewed January 4, 1936, to United States Manufacturing Corporation, Decatur, Ill., a corporation of Illinois, by change of name.

108,000. WOOL AND COTTON CRASH PIECE GOODS. Registered January 18, 1916. N. ERLANGER, BLUMGART & Co., New York, N. Y., a corporation of New York. Renewed January 18, 1936.

108,105. DISINFECTANTS AND INSECTICIDES. Registered January 18, 1916. WEST DISINFECTING COMPANY, New York, N. Y. Renewed January 18, 1936, to West Disinfecting Company, Long Island City, N. Y., a corporation of New York.

108,206. LEATHER BELTING. Registered January 25, 1916. GEORGE RAHMANN & Co. Renewed January 25, 1936, to Arthur H. Rahmann, doing business as Geo. Rahmann & Co., New York, N. Y., successor.

108,219. COTTON PIECE GOODS. Registered January 25, 1916. WILMERDING & BISSEL, New York, N. Y. Renewed January 25, 1936, to Pemona Manufacturing Company, Pemona, N. C., a corporation of North Carolina, assignee by mesne assignments.

108,328. PRINTING-PRESSES. Registered February 1, 1916. THE BABCOCK PRINTING PRESS MANUFACTURING COMPANY, New London, Conn., a corporation of Connecticut. Renewed February 1, 1936.

108,440. CERTAIN NAMED MEASURING AND SCIENTIFIC APPLIANCES. Registered February 8, 1916. NITSCHE & GÜNTHER OPTISCHE WERKE, Rathenow, Germany. Renewed February 8, 1936, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

108,519. READY-MIXED PAINT. Registered February 15, 1916. OLIVER JOHNSON & COMPANY, INC., Providence, R. I., a corporation of Rhode Island. Renewed February 15, 1936.

108,820. READY-MIXED PAINT. Registered February 15, 1916. OLIVER JOHNSON & COMPANY, INC., Providence, R. I., a corporation of Rhode Island. Renewed February 15, 1936.

108,825. BANDAGING MATERIAL. Registered February 15, 1916. ADOLPH LINDNER GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin, Germany. Renewed February 15, 1936, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

108,832. WELDING-RODS. Registered February 15, 1916. OXWELD ACETYLENE COMPANY, Chicago, Ill. Renewed February 15, 1936, to Oxweld Acetylene Company, New York, N. Y., a corporation of West Virginia.

108,867. WATERPROOF AND WEATHERPROOF BUILDING AND ROOFING MATERIAL MADE OF PAPER OR FELT. Registered February 22, 1916. THE PARAFFINE PAINT COMPANY. Renewed February 22, 1936, to The Paraffine Paint Company, San Francisco, Calif., a corporation of Delaware, assignee by mesne assignments.

108,791. MECHANICAL CHECK-PROTECTORS. Registered February 29, 1916. THE HEDMAN MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed February 29, 1936.

108,865. THE ALLOYS AND ALLOYING METALS USED IN THE MANUFACTURE OF SPECIAL STEELS. Registered February 29, 1916. ELECTRO METALLURGICAL COMPANY, Glen Ferris, W. Va., and Niagara Falls, N. Y. Renewed February 29, 1936, to Electro Metallurgical Company, New York, N. Y., a corporation of West Virginia.

108,955. STOCKINGS. Registered March 7, 1916. THE SCHOLL MANUFACTURING COMPANY. Renewed March 7, 1936, to The Scholl Mfg. Co. Inc., Chicago, Ill., a corporation of New York, by change of name.

108,964. LEMONS, ORANGES, AND GRAPE-FRUIT. Registered March 14, 1916. CHARTER OAK CITRUS ASSOCIATION, Charter Oak, Calif., a corporation of California. Renewed March 14, 1936.

108,965. LEMONS, ORANGES, AND GRAPE-FRUIT. Registered March 14, 1916. CHARTER OAK CITRUS ASSOCIATION, Charter Oak, Calif., a corporation of California. Renewed March 14, 1936.

109,060. CANNED FISH AND CANNED SARDINES. Registered March 21, 1916. CHR. BJELLAND & CO., INC., New York, N. Y., a corporation of New York. Renewed March 21, 1936.

109,128. LEATHER BELTING. Registered March 21, 1916. GEO. RAHMANN & CO. Renewed March 21, 1936, to Arthur H. Rahmann, doing business as Geo. Rahmann & Co., New York, N. Y., successor.

109,160. A REMEDY FOR GOUTY AND RHEUMATIC DISEASES AND NEURALGIC AFFECTIONS. Registered March 21, 1916. FARBWERKE VORM. MEISTER LUCIUS & BRÜNING, Hochst-on-Main, Germany. Renewed March 21, 1936, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

109,202. LEMONS, ORANGES, AND GRAPE-FRUIT. Registered March 28, 1916. CHARTER OAK CITRUS ASSOCIATION, Charter Oak, Calif., a corporation of California. Renewed March 28, 1936.

109,307. IRON AND STEEL SHEETS AND PLATES AND TIN AND TERNE PLATES. Registered March 28, 1916. AMERICAN SHEET AND TIN PLATE COMPANY, Pittsburgh, Pa., a corporation of New Jersey. Renewed March 28, 1936.

108,349. HAIR-POMADE. Registered April 4, 1916. ROSELLE B. HAMILTON. Renewed April 4, 1936, to Wilhelmina L. D. Clarke, New York, N. Y., successor.

109,484. PORTLAND CEMENT. Registered April 11, 1916. SANTA CRUZ PORTLAND CEMENT COMPANY, San Francisco, Calif., a corporation of California. Renewed April 11, 1936.

109,538. TEXTILE HOSE. Registered April 11, 1916. A. & M. KARAGHEUSIAN. Renewed April 11, 1936, to A. & M. Karagheusian, Inc., New York, N. Y., a corporation of Delaware, successor.

109,621. SELF-RISING WHEAT-FLOUR. Registered April 11, 1916. THE TWIN FALLS MILLING & ELEVATOR CO., Twin Falls, Idaho, and Denver, Colo. Renewed April 11, 1936, to The Colorado Milling & Elevator Company, Denver, Colo., a corporation of Colorado, assignee.

109,623. WHEAT-FLOUR. Registered April 11, 1916. THE WILSON MILLING & ELEVATOR CO., Wilson, Kans., and Denver, Colo. Renewed April 11, 1936, to The Colorado Milling & Elevator Company, Denver, Colo., a corporation of Colorado, assignee.

109,624. WHEAT-FLOUR. Registered April 11, 1916. THE WILSON MILLING & ELEVATOR CO., Wilson, Kans., and Denver, Colo. Renewed April 11, 1936, to The Colorado Milling & Elevator Company, Denver, Colo., a corporation of Colorado, assignee.

109,627. WHITE WRITING-PAPER. Registered April 11, 1916. AMERICAN LITHOGRAPHING & PRINTING COMPANY, Des Moines, Iowa, a corporation of Iowa. Renewed April 11, 1936.

109,667. ROUGE. Registered April 11, 1916. RICHARD HUDNUT, New York, N. Y., a corporation of New York. Renewed April 11, 1936.

109,715. CERTAIN NAMED THREADS, IN SKEINS AND BALLS, FOR EMBROIDERY. Registered April 18, 1916. CAMPBELL, MEYERCORD & JACOBSON, New York, N. Y. Renewed April 18, 1936, to Peri-Lusta, Limited, Big Mill, Mill Street, Leek, England, a corporation of Great Britain, assignee.

109,843. LEATHER BELTING. Registered April 18, 1916. GEO. RAHMANN & CO. Renewed April 18, 1936, to Arthur H. Rahmann, doing business as Geo. Rahmann & Co., New York, N. Y., successor.

109,879. CERTAIN NAMED FOODS. Registered April 18, 1916. STROHMEYER & ARPE COMPANY, New York, N. Y., a corporation of New York. Renewed April 18, 1936.

109,896. TOBIES. Registered April 25, 1916. INDUSTRIAL CIGAR CO., Pittsburgh, Pa. Renewed April 25, 1936, to Industrial Cigar Company, Pittsburgh, Pa., and Barnesville, Ohio, a corporation of Pennsylvania.

110,028. COTTON, LINEN, SILK, AND WOOLEN PIECE GOODS. Registered May 2, 1916. NASHAWENA MILLS, New Bedford, Mass., a corporation of Massachusetts. Renewed May 2, 1936.

110,034. LOCKS AND LOCK-DIALS. Registered May 2, 1916. THE NYSSA BANK LOCK COMPANY, assignee of William T. Bepham, Norwood, Ohio. Renewed May 2, 1936, to The Mosler Lock Company, Covington, Ky., a corporation of Ohio, assignee by mesne assignments.

110,105. CERTAIN NAMED LEATHER GOODS. Registered May 2, 1916. AMITY LEATHER PRODUCTS CO., as assignee of Robert H. Rolfs. Renewed May 2, 1936, to Amity Leather Products Co., West Bend, Wis., a corporation of Wisconsin, assignee.

110,128. SELF-RISING WHEAT-FLOUR. Registered May 2, 1916. THE HUSLER MILLING & ELEVATOR CO., Salt Lake City, Utah. Renewed May 2, 1936, to The Colorado Milling & Elevator Company, Denver, Colo., a corporation of Colorado, assignee.

110,185. WHEAT FLOUR. Registered May 2, 1916. THE LOVELAND MILLING & ELEVATOR COMPANY, Loveland, Colo. Renewed May 2, 1936, to The Colorado Milling & Elevator Company, Denver, Colo., a corporation of Colorado, assignee.

110,210. A PREPARATION FOR CANCERS, ULCERS, AND TUMORS. Registered May 9, 1916. BENJAMIN H. GREEN, Rosemont, Ala. Renewed May 9, 1936.

110,219. PAPER TABLETS. Registered May 9, 1916. OSBORN PAPER COMPANY, Marion, Ind., a corporation of Indiana. Renewed May 9, 1936.

110,274. ORANGES, LEMONS, AND GRAPE-FRUIT. Registered May 9, 1916. CHARTER OAK CITRUS ASSOCIATION, Charter Oak, Calif., a corporation of California. Renewed May 9, 1936.

110,292. CORDUROY. Registered May 16, 1916. NEW YORK MILLS CORPORATION, New York Mills, N. Y. Renewed May 16, 1936, to New York Mills Corporation, New York, N. Y., a corporation of New York.

110,398. CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered May 23, 1916. GREENSBORO-ERB BROS. Renewed May 23, 1936, to Napolin Co. Inc., New York, N. Y., a corporation of New York, by change of name.

110,410. OPTICAL LENSES. Registered May 23, 1916. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed May 23, 1936.

110,441. CERTAIN NAMED WOVEN-WIRE FABRIC AND WIRE-CLOTH. Registered May 23, 1916. WRIGHT WIRE COMPANY, Worcester, Mass. Renewed May 23, 1936, to Wickwire Spencer Steel Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

110,442. WIRE-MESH FABRIC. Registered May 23, 1916. WRIGHT WIRE COMPANY, Worcester, Mass. Renewed May 23, 1936, to Wickwire Spencer Steel Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

110,468. CANNED FRUITS AND VEGETABLES. Registered May 23, 1916. THE MCCLINTOCK-TRUNKEY CO., Spokane, Wash., a corporation of Washington. Renewed May 23, 1936.

110,469. NIPPLES. Registered May 23, 1916. CHRISTIAN W. MEINECKE, New York, N. Y. Renewed May 23, 1936, to Davol Rubber Company, Providence, R. I., a corporation of Rhode Island, assignee.

110,508. TOILET-PAPER, TOWELING, AND WRAPPING-PAPER IN ROLLS AND INTERFOLDED PACKS. Registered May 30, 1916. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Renewed May 30, 1936.

110,534. COTTON DRESS FABRICS. Registered May 30, 1916. N. ERLANGER, BLUMGART & CO., New York, N. Y., a corporation of New York. Renewed May 30, 1936.

110,535. COTTON PIECE GOODS. Registered May 30, 1916. N. ERLANGER, BLUMGART & CO., New York, N. Y., a corporation of New York. Renewed May 30, 1936.

110,580. BED-SPRINGS. Registered May 30, 1916. MOORE MANUFACTURING COMPANY. Renewed May 30, 1936, to The Moore Company, Muncie, Ind., a corporation of Indiana, by change of name.

110,706. CERTAIN NAMED SEEDS. Registered June 6, 1916. WHITNEY-ECKSTEIN SEED CO., Buffalo, N. Y., a corporation of New York. Renewed June 6, 1936.

110,709. CERTAIN NAMED SEEDS. Registered June 6, 1916. WHITNEY-ECKSTEIN SEED CO., Buffalo, N. Y., a corporation of New York. Renewed June 6, 1936.

LABELS

REGISTERED JANUARY 28, 1936

46,999.—*Title:* GUEST DECANTER, OLD MR. BOSTON. For Nectars (Fruit Flavored Alcoholic Beverages). BEN-BURK, INC., Boston, Mass. Published November 19, 1935.

47,000.—*Title:* CHASE AND SANBORN. For Coffee. STANDARD BRANDS INCORPORATED, New York, N. Y. Published October 30, 1935.

47,001.—*Title:* GUARANTEED PRESCRIPTION. For Prescriptions. YALE DRUG CO., INC., New York, N. Y. Published December 2, 1935.

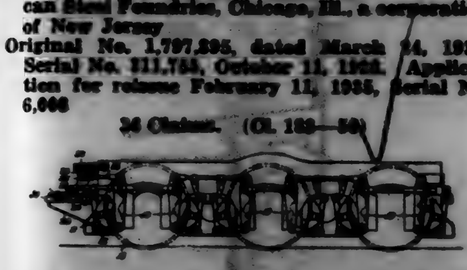
PRINTS

REGISTERED JANUARY 28, 1936

15,565.—*Title:* MEADOWBROOK PRESENTS 'SPUNTEX'. For Sport Hats. SIMON MILLINERY CO., San Francisco, Calif. Published November 18, 1935.

15,566.—*Title:* MEADOWBROOK PRESENTS 'SHIRREDON'. For Cocktail and Sport Hats. SIMON MILLINERY CO., San Francisco, Calif. Published November 18, 1935.

19,235
BRAKE MECHANISM
Walter H. Bacelt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Original No. 1,797,295, dated March 24, 1931, Serial No. 311,755, October 11, 1928. Application for reissue February 11, 1935, Serial No. 6,666
24 Claims. (Cl. 188—58)



1. In brake mechanism for railway trucks, the combination of a truck frame, truck brake levers, a brake cylinder carried by said frame, an equalizing lever operatively associated with said cylinder, a cylinder lever operatively connected to said equalizing lever and said brake levers, and a bracket carried by said frame upon which both said equalizing lever and said cylinder lever are movably supported.

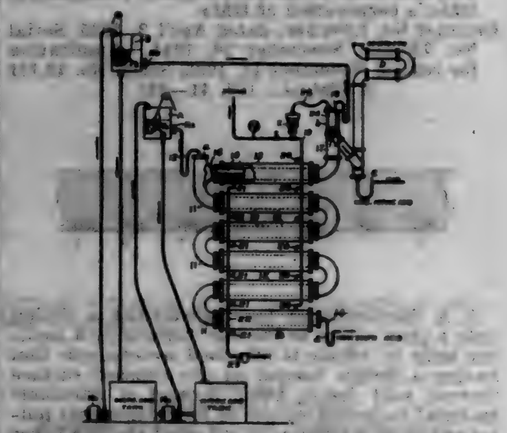
19,236
ILLUMINATED ORNAMENTAL DEVICE FOR DECORATIVE PURPOSES
Elmer J. Graf, Roselle Park, N. J., assignor to G. B. G. Corporation, Newark, N. J., a corporation of New Jersey
Original No. 1,923,144, dated August 22, 1933, Serial No. 522,275, March 13, 1931. Application for reissue January 21, 1935, Serial No. 2,736
9 Claims. (Cl. 176—16)



1. A device of the character described, comprising a base of moldable material, a plurality of exhausted envelopes spaced apart and mechanically independent of each other and permanently embedded directly in said moldable material, filaments in said envelopes, and conductors connecting the filaments said conductors being embedded in the base.

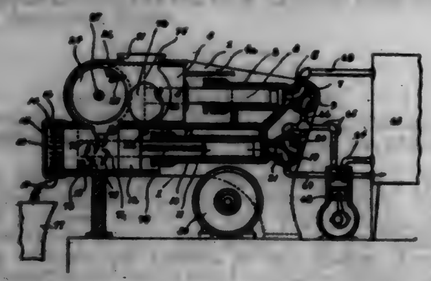
19,237
NITRIC ACID CONCENTRATION
Ingenuin Hechenbleikner, deceased, late of Charlotte, N. C., by Chemical Construction Corporation, New York, N. Y., a corporation of Delaware, assignee
Original No. 1,921,255, dated August 8, 1933, Serial No. 352,693, April 3, 1929. Application for reissue February 15, 1935, Serial No. 6,713
12 Claims. (Cl. 23—160)

8. The process of concentrating aqueous nitric acid which consists in admixing the same with a dehydrating agent in a retort chamber, in heating said retort chamber sufficiently to effect a driving-off of the nitric acid as nitric acid vapor, and of so regulating the heating of said retort chamber that the exit temperature of said nitric acid vapor has a predetermined value corresponding to the desired concentration.



24. The process of concentrating nitric acid which comprises passing a mixture of nitric acid and a dehydrating agent down through a dehydrating zone, driving off therefrom strong nitric acid vapors, passing the residual mixture still containing some nitric acid through a series of boiling vessels forming a cascade, vaporizing weak nitric acid in the cascade, and retaining all the weak nitric vapors from the boiling vessels in the system by returning them to the dehydrating zone.

19,238
FRUIT PRESS
Bruce L. McKinstry, Entiat, Wash.
Original No. 1,932,231, dated November 28, 1933, Serial No. 554,500, August 1, 1931. Application for reissue November 7, 1934, Serial No. 751,916
12 Claims. (Cl. 100—50)



4. In combination, a macerating chamber, a macerator therein, moving means for feeding fruit to said macerator, a pressing chamber com-

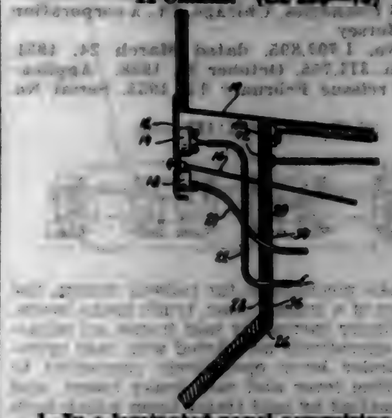
municating with said macerating chamber, a pressing member within said pressing chamber adapted to compress the macerated material to remove the juice therefrom, said pressing member being arranged to cut off communication between said pressing chamber and said macerating chamber during the final stages of pressing, and control means operatively interconnecting said feeding member with said pressing member.

19,839
DECALCOMANIA
James F. McNutt, Cleveland, Ohio, assignor to The American Decal Corporation, Youngstown, Ohio, a corporation of Ohio
Original No. 1,996,549, dated April 2, 1935, Serial No. 755,317, November 30, 1934. Application for reissue November 12, 1935, Serial No. 49,431
8 Claims. (Cl. 41—33)



1. A decalcomania for transferring a design onto a glass object or the like comprising a backing strip to which is attached a cellulosic film having a design formed on the exposed surface thereof, said design being formed of vitrifiable material including as one of its components pulverized glass having a fusing point slightly lower than the fusing point of the surface to be decorated.

19,840
LAMINATED PANEL AND FABRICATION
Herbert J. Woodall, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Original No. 1,945,717, dated February 6, 1934, Serial No. 535,599, January 11, 1932. Application for reissue June 10, 1935, Serial No. 25,846
11 Claims. (Cl. 20[illegible]—79)



1. In a laminated panel comprising a plurality of plies secured to one another, an opening in an intermediate ply and substantially alined openings of smaller size extending through the remaining plies and a cushion insert disposed within the opening in the intermediate ply and having an opening therethrough alined with but of smaller size than the openings through the remaining plies.

PATENTS
GRANTED JANUARY 28, 1936

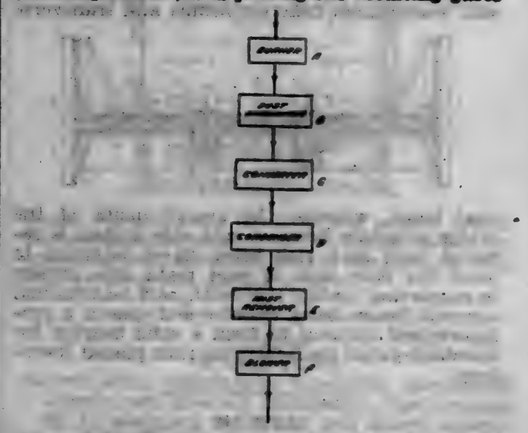
2,028,725
WINDOW CLEANING DEVICE
Clarence H. Caldwell, Oak Park, Ill.
Application July 21, 1933, Serial No. 681,004
3 Claims. (Cl. 15—232)



1. In a window cleaning device, a supporting block, a backing plate secured to said block, said plate having a projection on its top side, a window cleaning element adapted to be applied against the bottom side of said plate and having an end adapted for engagement with said projection, a locking member rockably carried by said device for hooking engagement with the other end of said cleaning element when rocked in one direction and when rocked in the opposite direction adapted to tension said cleaning element in position on said plate, a portion of said member being deflected out of the direction of the length thereof and between its ends to provide a handle, and a projection on said block engaged by said handle when said member is rocked to tension said element to prevent accidental release of said element.

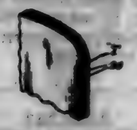
2,028,729
SULPHURIC ACID MANUFACTURE
Cyril B. Clark, Scarsdale, N. Y., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware
Application September 21, 1933, Serial No. 690,366
4 Claims. (Cl. 23—175)

2. A process of making sulphuric acid by the contact process which comprises burning sulphide ores containing relatively large amounts of impurities including halogens and arsenic under conditions such that a hot sulphur dioxide gas mixture is obtained containing gaseous halogen and arsenic compounds and iron oxide, maintaining the hot gas mixture so obtained at temperatures above 600° F. for a sufficient length of time to permit the gaseous impurities to react with suspended solid material including the iron oxide, subsequently removing dust, fume and non-volatile constituents without material reduction of gas temperature, and passing the resulting gases



through a catalyst of the vanadium type at reaction temperatures.

2,028,740
TRIMMING STRIP
Thomas Charles Devine, Bronxville, N. Y.
Application October 6, 1933, Serial No. 692,530
3 Claims. (Cl. 41—34)



1. As a new article of manufacture, a gimp for trimming furniture or other articles comprising an elongated strip of narrow flexible material, a plurality of decorative members simulating the decorative heads of upholstery tacks or nails arranged in a row on one side of the strip at predetermined intervals, and means permanently securing said members to the strip, the other side of the strip being substantially smooth to flushly engage against the surface to which the strip is to be applied, whereby said strip may be applied to furniture by relatively few and inconspicuous tacks or the like to present the same appearance as gimp attached by the usual tacks or nails having decorative heads.

2,028,741
BRIDGE CONSTRUCTION
Charles P. Disney, Toronto, Ontario, Canada
Application November 25, 1932, Serial No. 644,147
1 Claim. (Cl. 72—8)

A railway bridge structure comprising a pair of longitudinal steel side girders having deep web portions, transverse steel beams rigidly secured to the webs of said girders with the underside adjacent the bottom of said girders, a pair of longitudinal reinforced concrete beams extending between said transverse steel beams in a common horizontal plane therewith with the reinforcing members thereof terminating closely adjacent the steel cross beams, said trans-

verse steel beams having a casing of concrete forming an anchorage for the said ends of the reinforcing members of the longitudinal concrete beams, and a concrete deck slab integrally bonded with the concrete of the longitudinal beams and with the concrete casing of said transverse steel beams, said deck slab being mainly confined in a plane below the upper level of said longitudinal concrete beams and transverse



steel beam, whereby the overall depth of the bridge structure between said side girders is reduced, said deck slab being flared laterally to meet the deep web of said main side girders in supporting contact therewith, said longitudinal concrete beams being massive and spaced a predetermined distance to form a solid bearing for standard-gauge load-carrying rails placed thereover.

1,698,742
COAL FLOTATION PROCESS
Philip M. Frantz, Pueblo, Colo., assignor to The Colorado Fuel and Iron Company, Denver, Colo.
No Drawing. Application January 12, 1923, Serial No. 586,250
15 Claims. (Cl. 209—166)

1. The process of recovering coal from a coal-and-water pulp, by froth flotation, comprising adding to the coal pulp in the presence of agitation and aeration, a reagent consisting solely of a crude paraffin base petroleum oil-kerosene mixture and coal tar creosote.

1,698,743
TYPOGRAPHICAL MACHINE
Norbert Fucik, Chicago, Ill.
Application November 24, 1923, Serial No. 680,486
5 Claims. (Cl. 199—30)



1. In a typographical machine, the combination of a slide bracket, a slide bar reciprocally mounted on said bracket, a slide clamp mounted on said slide bar, a stop carried by said bracket located in the path of said clamp, and means whereby said stop may be moved out of the path of said clamp for extending the line.

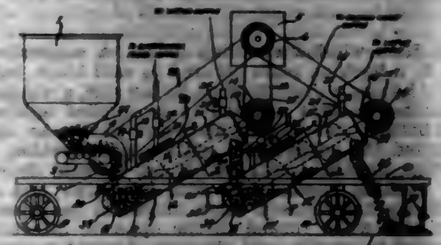
1,698,744
BRAIDING MACHINE CARRIER
Roger W. Hale, Rumford, R. I.
Application February 6, 1925, Serial No. 5,231
6 Claims. (Cl. 56—15)

1. A braiding carrier for braiding machines adapted to receive a rotatable thread package, a member having a toothed formation in fixed relation with said thread package, a single member adapted to engage said toothed formation either partially or completely, and acting, while in complete engagement therewith, to prevent movement of the thread package in either direction upon its axis and when in partial engage-



ment to permit rotation only in a direction of unwinding of the thread, and means whereby tension upon the thread moves said member to permit rotation of the thread package only in a direction of unwinding of the thread.

1,698,745
APPARATUS FOR BITUMINOUS MIXING
Wallace M. Hendrick, Great Neck, and Gustave Lockner, Jr., Flushing, N. Y.
Application April 1, 1922, Serial No. 549,272
9 Claims. (Cl. 94—41)



1. In combination in a machine for coating aggregate with a liquid vehicle bituminous binding agent: means for imparting a uniform surface moisture to the aggregate comprising aggregate surface super-saturating means, conveyor means for draining the aggregate while conveying the same from said super-saturating means, and aggregate agitating means included in said draining means; and means for applying the binding agent to the surface of the aggregate, said draining means being connected directly with said applying means for the discharge therefrom of surface moist aggregate.

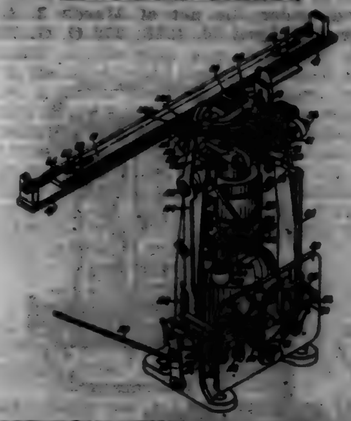
1,698,746
KNITTED LINING FOR RUBBER FOOTWEAR
Roger M. Holden and John F. Roberts, Worcester, Mass., assignors to Holden Knitting Co., Worcester, Mass., a corporation of Massachusetts
Original application April 11, 1926, Serial No. 441,252. Divided and this application February 17, 1923, Serial No. 627,226
2 Claims. (Cl. 66—178)

1. A one-piece fabric lining for formed rubber articles of foot wear knitted in tubular form to assume a shape closely approximating the shape of the last on which the article is formed, said lining comprising a toe portion having stitches of uniform length for a predetermined number of courses, a curved instep and heel portion having separate groups of stitches in each course thereof of different lengths for a predetermined number of successive courses, one group of



stitches corresponding in length to the stitches of said toe portion and the other group of stitches being longer and disposed on the side of the lining having a greater radius, and a leg portion having stitches in all of its courses of a uniform length greater than the length of the stitches of said toe portion.

1,698,747
ELECTRICALLY OPERATED PAPER CARRIAGE
Allen A. Horton, Plymouth, and Dwight F. Rowland, Detroit, Mich., assignors to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application July 12, 1920, Serial No. 377,580
14 Claims. (Cl. 197—32)

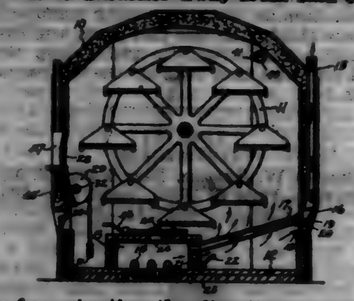


1. In a machine of the class described, a paper carriage movable across the machine in one direction under the control of an escapement mechanism operable by keys and returnable across the machine in the opposite direction, an electric motor having driving connections for moving said carriage in both of said directions, a switch for controlling said motor, and manually manipulatable means which, when operated, disables said escapement mechanism and said driving connections and blocks said switch against being closed.

1,698,748
BAKE OVEN
Louis D. Hoults, Dallas, Tex.
Application March 8, 1923, Serial No. 623,473
19 Claims. (Cl. 107—56)

1. A baking oven comprising, a movable baking support within the baking chamber, a door to said chamber, a burner, means for diverting

the products of combustion from said burner into the baking chamber and for diverting said products from said burner away from said chamber,



means for actuating the diverting means, means for opening and closing the door, and means for operating said actuating means operated by said door opening and closing means.

1,698,749
SPARK PLUG
Robert John, Middletown Township, Monmouth County, and Erwin F. Spellmeyer, East Orange, N. J., assignors, by direct and mesne assignments, to Carbex Chemical Co. of Illinois, Chicago, Ill., a corporation of Illinois
Application December 4, 1920, Serial No. 411,545
4 Claims. (Cl. 123—169)



1. In combination with a spark plug for internal combustion engines, a contact member containing palladium.

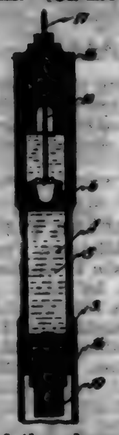
1,698,750
STREAMER LINE RAIL
Charles Edwin Ashton, Stockton, Calif.
Application January 14, 1925, Serial No. 1,635
2 Claims. (Cl. 238—217)



1. A rail joint structure comprising a pair of longitudinally alined rails formed at each end with a relatively long diagonal cut through the head and web and right angle cuts through the heads of the rails from the ends of the diagonal cuts on opposite sides to the adjacent sides of the heads; said right angle cuts of the adjacent ends of adjacent rails being spaced apart longitudinally of the rails and the diagonal cuts overlapping but being spaced apart transversely of the rails, a fish plate to engage the web of the

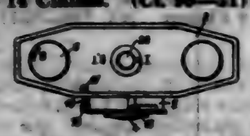
rail on one side, a rail-head portion on the fish plate fitting in the gap formed between the separated right-angle cuts of the rail-ends to provide a continuous wheel engaging surface, and a shim-plate rigid with the fish plate and disposed at an acute angle thereto and fitting the gap between the diagonal cuts of the corresponding rail ends.

2,028,751
CONTAINER
Charles W. Barlow, New York, N. Y.
Application April 4, 1933, Serial No. 664,816
3 Claims. (Cl. 128—272)



1. In a device of the character described, an outer elongated container having one end open, an inner container slidable longitudinally in said outer container and guided and held in axial alinement by the inner walls thereof and having a compartment therein sealed by a thin puncturable wall, means for closing the open end of said outer container, and means operative upon the movement of inner container for puncturing said thin wall of the sealed compartment therein.

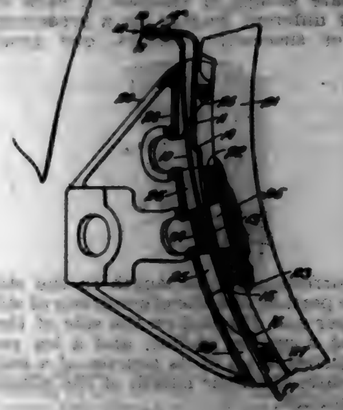
2,028,752
PHOTOGRAPHIC CAMERA
Michael Burger, Munich, Germany, assignor to Friedrich Deckel, Munich-Prinz Ludwigshohe, Germany
Application September 6, 1934, Serial No. 742,954
In Germany September 11, 1933
14 Claims. (Cl. 95—31)



1. A photographic camera comprising a shutter of the "set" type, means for feeding sensitised material, mechanism for automatically setting said shutter by operation of said feeding means, and means for rendering said mechanism inoperative.

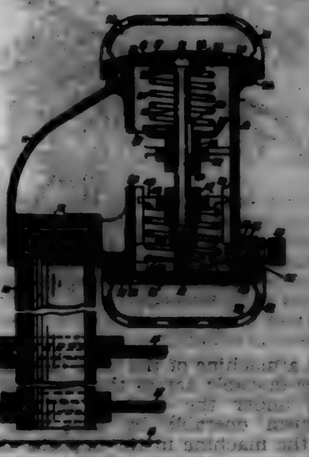
2,028,753
BRAKE SHOE KEY
Charles R. Busch, Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a corporation of New York
Application July 14, 1931, Serial No. 550,081
26 Claims. (Cl. 188—242)

20. A brake-shoe key, including two legs of leaf-spring metal and means connecting the spring legs and holding them breadthwise one in advance of the other, one of the leaf legs having



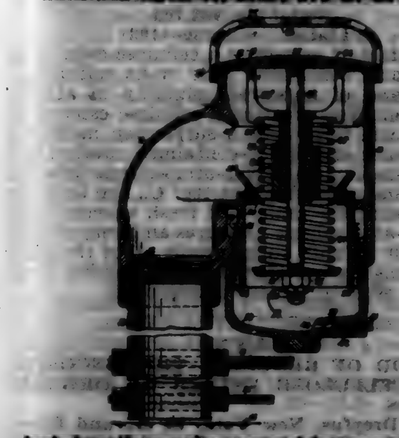
an outward shoulder located between the connecting means and the free end of such leg.

2,028,754
BREATHER VALVE
John D. Crecca, United States Navy, and Stephen M. Phillips, Westbury, N. Y.
Application October 18, 1934, Serial No. 748,243
6 Claims. (Cl. 277—81)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



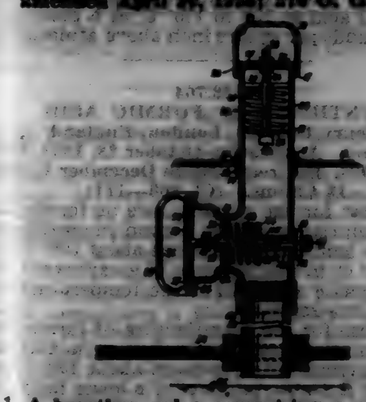
1. A breather valve comprising a valve body adapted to be secured to a vent pipe extending through a wall or deck, said breather valve comprising a gooseneck extension and a valve body proper, a circular inlet mouth located at the top of said valve proper, a trough formed at the bottom of said valve proper below said inlet mouth, an inlet valve seating within said inlet mouth, said inlet mouth discharging any entrained foreign matter in the air to said trough member, an outlet valve, a valve stem on said inlet valve, and a valve stem on said outlet valve, one of said valve stems being in the form of a sleeve adapted to slidably receive and guide the other of said valve stems.

2,028,755
BREATHER VALVE
John D. Crecca, United States Navy, and Stephen M. Phillips, Westbury, N. Y.
Application October 18, 1934, Serial No. 748,243
6 Claims. (Cl. 277—45)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



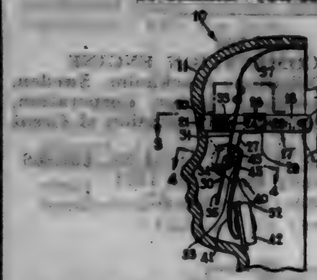
1. A breather valve comprising a valve body adapted to be secured to a vent pipe extending through a wall or deck, said breather valve comprising a gooseneck extension and a valve body proper, a circular inlet mouth located at the top of said valve proper, a trough formed at the bottom of said valve proper below said inlet mouth, an inlet valve seating within said inlet mouth, said inlet mouth discharging any entrained foreign matter in the air to said trough member, an outlet valve, a valve stem on said inlet valve, a valve stem on said outlet valve, one of said valve stems being in the form of a sleeve adapted to slidably receive and guide the other of said valve stems, an inlet valve seat formed at the top of said valve body, said inlet valve seating against said valve seat, and an outlet valve seat formed in said inlet valve, said outlet valve seating against said seat in said inlet valve.

2,028,756
BREATHER VALVE
John D. Crecca, United States Navy, and Stephen M. Phillips, Westbury, N. Y.
Application October 18, 1934, Serial No. 748,244
9 Claims. (Cl. 277—81)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A breather valve comprising a valve body adapted to be secured through a wall or deck, an outlet valve in said valve body located without the deck or wall, and an inlet valve in said valve body located within said deck or wall, compression spring means pre-determining the pressure at which said valves will operate, and means accessible outside of said valve body for adjusting said pressure determining means, said pressure determining adjusting means comprising in the case of said outlet valve a valve stem threadedly secured at one end through said outlet valve, a tool cooperating means on said valve stem for adjusting said valve stem relative to said valve, a valve guide secured within said valve body, said valve stem slidably passing through said valve guide, a head formed on the other end of said valve stem, a spring seat on said valve stem resting against said head, said compression spring means being secured between said spring seat and said valve guide.

2,028,757
DOLL CONSTRUCTION
Matteo De Cesare, Newark, N. J., assignor to Samuel Kaiser and Karl Ohlhaus, New York, N. Y.
Application August 5, 1933, Serial No. 684,163
17 Claims. (Cl. 46—109)



1. In doll construction, a doll's head formed with a pair of eye sockets, a cross rod attached to the sides of the head, a member attached at one end thereof to the front of the head above the nose and at the other end thereof to the mid-portion of said rod, a transverse pin fixed to said member, a member pivoted on said pin, an axle mounted on said pivoted member, and doll's eyes mounted on said axle and received within said sockets.

2,028,758
VARNISH COMPOSITION
Joseph B. Dietz, Lansdowne, and Edmund F. Oeffinger, Philadelphia, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 19, 1932, Serial No. 594,143
19 Claims. (Cl. 134—24)

3. Process of preparing a varnish comprising heating a mixture comprising Batu gum, limed rosin, and a relatively small amount of an oil from the group consisting of semi-drying and drying oils, at a temperature of 450–490° F., and then thinning said mixture with a varnish thinner.

2,028,759
TREATMENT WITH SOLVENTS
Clarence F. Dinley, Detroit, Mich., assignor to James H. Bell, Philadelphia, Pa.
Application September 30, 1931, Serial No. 566,893
26 Claims. (Cl. 87—6)

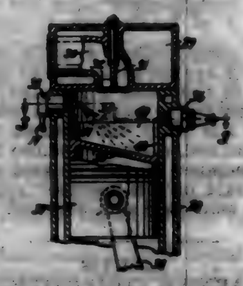
16. Apparatus of the character described, for treating things or work therein with volatile liquid

solvent whose vapor is heavier than air, comprising in combination a treating vessel or enclosure excluding air and retaining the solvent vapor, but having and open through an exit passage for the work extending and opening above the highest interior point of the enclosure; means for heating the work in said exit passage on its upward way



to the exit opening, and thereby vaporizing liquid solvent remaining on the work after treatment therewith in the enclosure; and means for condensing in the enclosure the solvent vapor thus evolved from the work, in such relation to the heating means as to prevent escape of this vapor at said exit opening and recover it as liquid.

2,028,760
INTERNAL COMBUSTION ENGINE
Torbjörn Viktor Dillström, Stockholm, Sweden, assignor to Hesselman Motor Corporation, Ltd., London, England, a corporation of Great Britain
Application March 24, 1933, Serial No. 662,606
In Germany March 26, 1932
4 Claims. (Cl. 123—32)



1. In an electrically ignited injection engine of the explosion type in which substantially all of the fuel for a given charge is injected prior to the time of ignition thereof to thereby substantially completely form the charge prior to ignition and in which the time of ignition is normally in advance of top dead center, cylinder and piston parts forming a generally cylindrical combustion chamber having a relatively deep portion at one side of the cylinder and a relatively shallow portion at the opposite side of the cylinder to compensate for the added combustion chamber volume resulting from said deeper portion and to thereby provide a suitable compression ratio, an upstanding peripheral flange on said piston forming the side wall of the deeper portion of said chamber when the piston is at top dead center, a timed ignition device providing a point of ignition in the deeper portion of said chamber, and a timed injection device located so as to provide a combustible fuel mixture in said relatively deep portion at the time of ignition.

2,028,761
METHOD OF TREATING CELLULOSE ESTERS OF ORGANIC ACIDS
Camille Dreyfus, New York, N. Y., and George Schneider, Meadowlands, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application June 26, 1933, Serial No. 677,702
6 Claims. (Cl. 260—151)

1. Method of preparing a cellulose ester of an organic acid containing little or no sulfur compounds and of improved solubility in acetone, which comprises treating a cellulose ester of an organic acid formed by a suspension method in the presence of a sulfur-containing catalyst with an aqueous liquid at super-atmospheric pressures and at temperatures above 100° C., and then further treating the same with fresh aqueous liquid at super-atmospheric pressures and temperatures above 100° C. until substantially all of the sulfur compounds are removed and the solubility of the cellulose ester in acetone is improved.

2,028,762
METHOD OF REDUCING THE VISCOSITY OF CELLULOSE ESTERS OF ORGANIC ACIDS
Camille Dreyfus, New York, N. Y., and George Schneider, Meadowlands, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application July 6, 1933, Serial No. 679,575
9 Claims. (Cl. 260—152)

1. Method of reducing the viscosity of a cellulose ester of an organic acid which is free from combined sulfur comprising subjecting the cellulose ester to an aqueous liquid under super-atmospheric pressures and at temperatures above 100° C. until its viscosity is materially reduced.

2,028,763
METHOD OF TREATING ORGANIC ESTERS OF CELLULOSE
Camille Dreyfus, New York, N. Y., and George Schneider, Meadowlands, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application February 9, 1932, Serial No. 591,930
2 Claims. (Cl. 260—148)

1. Method of purifying cellulose acetate prepared in the presence of sulfuric acid as catalyst, comprising heating the cellulose acetate in solid form with water containing from .01 to .1% of mineral acid at 102 to 115° C. at a pressure of 5 to 10 pounds per square inch above atmospheric.

2,028,764
SYNTHESIS OF FORMIC ACID
Henry Dreyfus, London, England
No Drawing. Application October 28, 1933, Serial No. 695,894. In Great Britain December 1, 1931
12 Claims. (Cl. 260—514)

1. Process for the manufacture of formic acid which comprises reacting carbon monoxide and water at a temperature between about 100° C. and about 350° C. in the presence of a carboxylic acid which is stable and fluid at the temperature employed in the reaction.

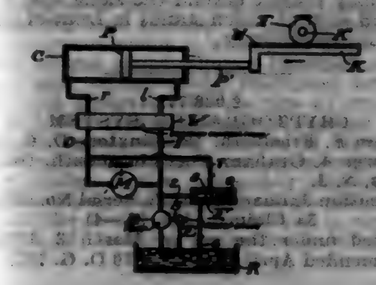
9. Process for the manufacture of formic acid which comprises reacting carbon monoxide and water at a temperature between about 102° C. and about 350° C. in the presence of a lower fatty acid and cuprous chloride.

2,028,765
SYNTHESIS OF FORMIC ACID
Henry Dreyfus, London, England
No Drawing. Original application October 28, 1933, Serial No. 695,894. Divided and this application November 1, 1935, Serial No. 48,125. In Great Britain December 1, 1931
13 Claims. (Cl. 260—514)

1. The process of manufacturing formic acid comprising reacting carbon monoxide with water at an elevated temperature in the presence of copper sulphate.

10. The process of manufacturing formic acid comprising reacting carbon monoxide with water in the presence of copper sulphate and sulphuric acid and a substance capable of absorbing carbon monoxide at a temperature between 100° and 350° C. and under super-atmospheric pressure.

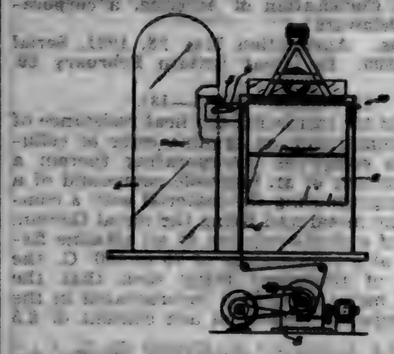
2,028,766
UNIFORM FEED SYSTEM
Hans Ernst and Lester F. Nenninger, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application November 17, 1927, Serial No. 233,572
14 Claims. (Cl. 90—11.5)



9. An hydraulic system comprising tool and work carriers; a piston for propelling one of said carriers; an oil line leading from the forward side of said piston and embodying means for withdrawing oil at a selectively constant rate; a source of piston-urging oil leading to the rear side of said piston for continuously urging it forward to create a back-pressure in said oil line; a device adapted to vary the pressure of the piston-urging oil; and means responsive to resultant variations in the back and forward pressures and adapted forwards so to adjust said device as to effect changes in the pressure of the piston-urging oil corresponding to predetermined values.

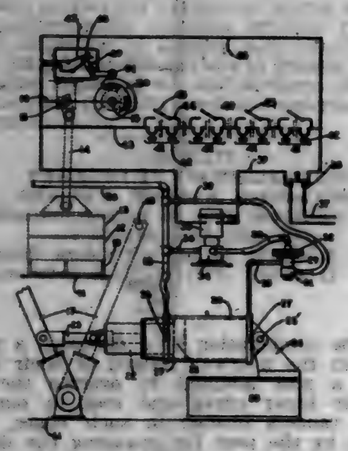
2,028,767
TAPE GUIDE MECHANISM FOR QUOTATION PROJECTORS
August D. Eitzen, Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York
Application January 3, 1930, Serial No. 419,889
Renewed October 25, 1932
17 Claims. (Cl. 271—3.1)

1. For purposes described, belt and tape guide means comprising a guide member having belt guiding surfaces arranged at an angle to each other, and additional belt guiding formations, a continuous tape supporting belt arranged to pass over said surfaces and formations and to support and direct a tape which passes about said surfaces super-posed upon the belt, and additional belt guiding means for movably supporting and directing a portion of the belt remote from the first



named guide member and the tape so that only the portion of the belt passing around said first mentioned guide member will be maintained in engagement with the tape.

2,028,768
DIE PRESS SAFETY SYSTEM
Carsten L. Mygrgian, Detroit, Mich., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 25, 1930, Serial No. 469,784
7 Claims. (Cl. 192—131)



1. A safety system for power presses comprising a fluid actuated servo motor biased to inactive position, a differential pressure arrangement to actuate said motor, electrical means arranged to initiate said pressure means, a plurality of spaced switches in series circuit, arranged to energize said means, and a lock-in circuit arranged to maintain said electrical means energized during the extreme approach motion of the dies and during the retrograde motion of the dies only and independently of said manual means.

2,026,769
TREATMENT OF TEXTILE OR OTHER MATERIALS
George Holland Ellis and Ralph Charles Storey, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application May 28, 1931, Serial No. 540,990. In Great Britain February 26, 1931
12 Claims. (Cl. 8—13)

1. Process for increasing the heat resistance of materials comprising an organic ester of cellulose, which comprises incorporating therein a small proportion of an insoluble compound of a metal by impregnating the material with a compound of the metal and fixing the metal therein, by means of a dilute solution of an alkaline fixing agent, at a temperature of 75 to 100° C., the conditions of treatment being such that the amount of metal compound incorporated in the material imparts thereto an ash content of 0.5 to 2%.

11. Textile materials comprising organic derivatives of cellulose and containing a small proportion of an insoluble metallic compound in a form yielding on incineration a voluminous ash of 0.5 to 2%, and having a safe ironing point of at least 300° C.

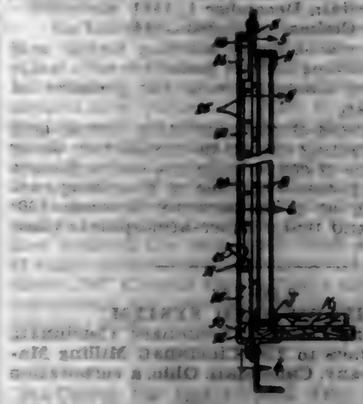
2,026,770
FREIGHT CONTAINER
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware
Application July 29, 1932, Serial No. 625,977
10 Claims. (Cl. 189—46)



1. The combination of a doorway, a pair of doors in the doorway hinged at their distant edges, a post adapted to overlap the doors at their inner edges and seat in outwardly facing rabbets formed in such edges, means carried by the post for engaging the doorway at one end of the post and a vertically movable locking bolt within the post adapted to engage the doorway at the other end of the post.

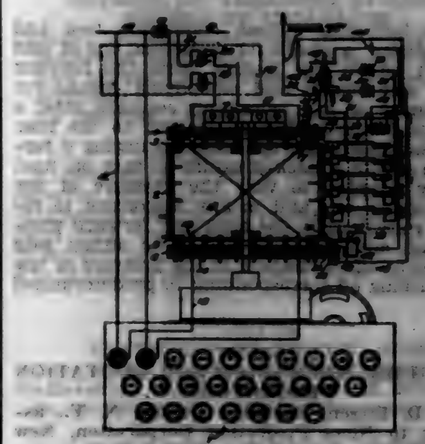
2,026,771
DOOR LOCKING DEVICE FOR DEMOUNTABLE BODIES
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware
Application September 13, 1933, Serial No. 689,231
13 Claims. (Cl. 189—46)

1. The combination of a demountable automobile body having a pair of hinged doors, the free edges of which are adjacent when the doors are closed, combined with a removable door post adapted to overlap the edges of both doors, and



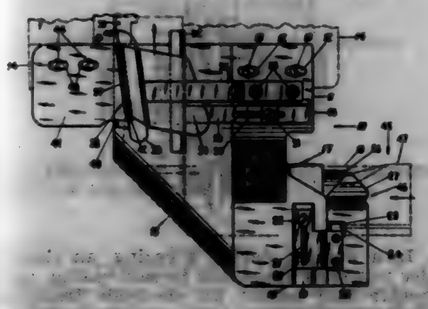
equipped with a pair of locking bolts, both of which may project beyond the same end of the post and each of which stands in front of one of the doors respectively.

2,026,772
CRYPTOGRAPHIC SYSTEM
William F. Friedman, Washington, D. C., and George A. Graham, Fort Monmouth, Oceanport, N. J.
Application January 28, 1932, Serial No. 589,241
24 Claims. (Cl. 35—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



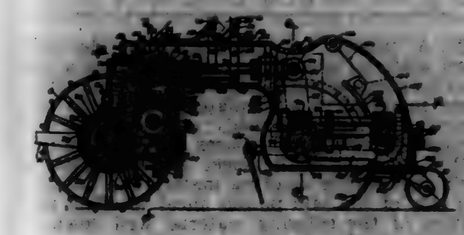
1. In a cryptographic system adapted for use with a plural unit code transmitter; means comprising electrically operable elements for coordinating the transmitter with said system; and circuit means for interconnecting said elements for cryptographic purposes, said means comprising contact levers and paired contact points permutatively positioned and operative in series relation.

2,026,773
UNIVERSAL FOLDER FOR SEWING MACHINES
Joseph Galkin, New York, N. Y., assignor to Tronser Waist-Band Machine Co. Inc., New York, N. Y., a corporation of New York
Application August 21, 1934, Serial No. 740,226
4 Claims. (Cl. 112—147)



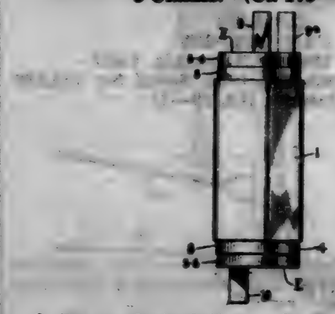
1. A folder for sewing machines designed for applying waistbands to trousers, comprising a supporting base member, a folding and guiding section for receiving a waistband which is composed of two strips stitched together along one edge, said section being positioned below said base and transverse to the line of stitching, a folding and guiding section positioned on said base and parallel with the line of stitching for receiving said waistband and an intermediate oblique folding section connecting said upper and lower sections into coacting relationship, said intermediate section being designed to reverse the position of the strips composing said waistband.

2,026,774
AUTOMATIC CULTIVATOR
George Hantzopoulos, New York, N. Y.
Application March 26, 1935, Serial No. 12,839
20 Claims. (Cl. 97—36)



1. A cultivator of the type having a housing case with one end mounted upon traction wheels and the other resting upon a spacing roller and in which a handle is provided on the case by which the end having the roller thereon may readily be raised about the traction wheels, two substantially horizontal eccentric shafts extending through the case, hoes mounted on the ends of said shafts on the sides of said case and adjacent the spacing roller end and means within the case by which said hoes may be operated.

2,026,775
ELECTRICAL CONDENSER
Paul Hetenyi, New York, N. Y., assignor to Solar Manufacturing Corporation, a corporation of New York
Application May 25, 1932, Serial No. 613,396
5 Claims. (Cl. 175—315)



1. In an electrolytic condenser, a film-forming electrolytic paste of high viscosity, said paste comprising the following ingredients;

	Per cent by weight
Glycerine	36
Ammonium borate	56
Potato starch	7
Agar-agar	1

2,026,776
CELLULOSIC ARTICLES AND METHOD OF PREPARING THE SAME
Harold Hibbert, Montreal, Quebec, Canada, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application April 23, 1932, Serial No. 607,229
10 Claims. (Cl. 91—70)

1. Method of rendering surfaces of non-metallic articles more impermeable, which comprises exposing surfaces of articles to vapors of a volatile polymerizable material selected from the group consisting of substantially unpolymerised vinyl compounds and glycides to deposit the polymerizable material on said surfaces, and then polymerizing said polymerizable material to form a surface coating.

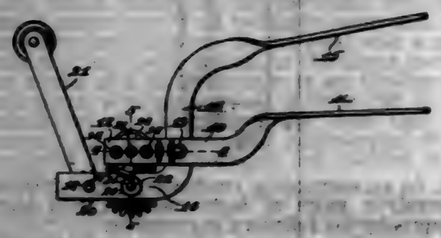
2,026,777
PARACHUTE CONSTRUCTION
Edward L. Hoffman, Dayton, Ohio
Application August 24, 1932, Serial No. 630,235
7 Claims. (Cl. 244—31)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The combination with a main parachute and

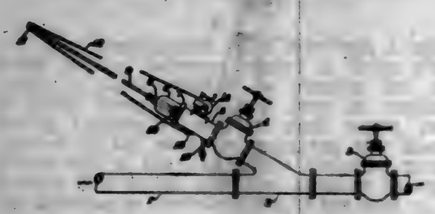
a pilot parachute fixedly secured to the apex of said main parachute, of frangible means for connecting said pilot parachute to said main parachute at points off-center with respect to the center of said main parachute.

2,028,778
CAN OPENER
Frank F. Hesmer, Glendale, Calif.
Application December 3, 1934, Serial No. 755,682
3 Claims. (Cl. 30—3)



1. A can opener, comprising a pair of pivotally connected handles, a double jaw on the forward end of one of said handles, said double jaw comprising spaced parallel members, a relatively short jaw on the forward end of the other handle, a shaft journaled in the members forming the double jaw, a gear wheel mounted on said shaft, a toothed wheel mounted on one end of said shaft, a second shaft journaled in the members forming the double jaw, a pinion carried by the second mentioned shaft, the teeth of which pinion mesh with the teeth of said gear wheel, a crank handle secured to said second mentioned shaft, a stud seated in the short jaw, a roller journaled on said stud and positioned above the toothed wheel on the first mentioned shaft and a pointed blade detachably secured to the short jaw adjacent said stud within the point of said blade overlying the face of said toothed wheel.

2,028,779
APPARATUS FOR CLEANING PIPE LINES
Ralph W. Howe, Dallas, Robert E. Love, Lufkin, and Joseph Harry Weed, Jr., Dallas, Tex., assignors to Atlantic Pipe Line Company, Dallas, Tex., a corporation of Maine
Application February 28, 1935, Serial No. 8,668
3 Claims. (Cl. 15—104.06)



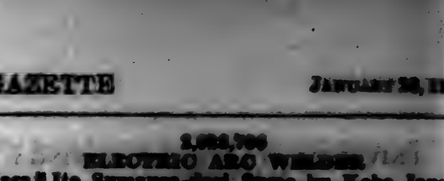
1. Means for inserting a cleaning device into a pipe line, which comprises a branch pipe connected to said pipe line and at an angle thereto, a valve connected to said branch pipe, a pipe nipple connected to said valve, a plug coupled to said nipple and means associated with said plug and nipple for forcing a cleaning device from said nipple into said pipe line.

2,028,780
ELECTRIC ARC WELDER
Masuji Ito, Sumaura-dori, Suma-ku, Kobe, Japan, assignor to Kabushiki Kaisha Kawasaki Zosensho (Kawasaki Dockyard Co. Ltd.), Kobe, Japan, a corporation of Japan
Application July 3, 1933, Serial No. 679,690
In Japan October 25, 1932
4 Claims. (Cl. 219—8)



1. In a welding device, a casing, an electrode holder rotatably supported in said casing, means to rotate said holder, an electrode frictionally gripped by said holder, a gripper arranged to hold said electrode against movement in the holder, manually operable means for releasing said gripper, a second casing surrounding the first casing and having an open end arranged to form a hollow frusto-conical jet surrounding the active end of the electrode, and means to introduce steam under pressure between said casings.

2,028,781
PROCESS OF PRODUCING DECORATIVE SHEET MATERIAL
James J. Jackson, Woodbury, N. J., assignor to Sandura Company, Inc., Philadelphia, Pa., a corporation of New Jersey
Application March 2, 1933, Serial No. 659,133
21 Claims. (Cl. 91—68)

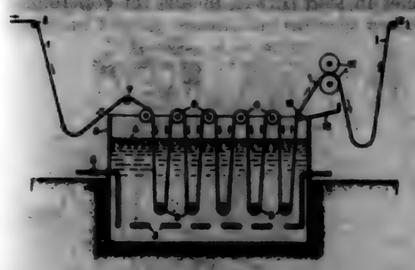


21. A process of manufacturing decorative sheet material which comprises applying a liquid backing composition to one side of a porous fibrous sheet material in a regulated amount to effect penetration into the body of the sheet while avoiding filling of the spaces between the fibers within the body of the sheet, and thereafter applying decorative coloring material to the opposite side of the said porous sheet to effect penetration of the coloring material well down into the body of the sheet.

2,028,782
DECORATIVE SHEET MATERIAL AND PROCESS OF MANUFACTURING THE SAME
James J. Jackson, Woodbury, N. J., assignor to Sandura Company, Inc., Philadelphia, Pa., a corporation of New Jersey
Application March 2, 1933, Serial No. 659,134
13 Claims. (Cl. 91—70)

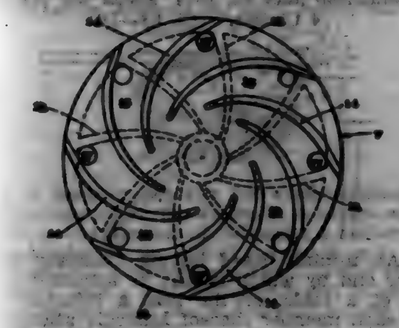
1. A process of manufacturing decorative coverings from porous fibrous sheet materials, which process comprises impregnating a porous fibrous

sheet with a molten saturant consisting of ester gum, China-wood oil and chlorinated naphtha-



lene to substantially completely fill the spaces in the body of the sheet.

2,028,783
CENTRIFUGAL PUMP
Oystein Jacobsen, Dayton, Ohio, assignor to The Durbrow Company, Inc., a corporation of New York
Application June 5, 1933, Serial No. 674,161
1 Claim. (Cl. 103—111)



In combination in a centrifugal pump, a casing having an inlet eye at one side and a volute around its periphery, a runner of the open type comprising a disc having on its side next to the eye a series of outwardly extending curved vanes, a sealing ring of substantially rectangular cross section around the periphery of the disc projecting to the rear of the body of the disc with its rear face in parallel with the side wall of the casing and in close proximity thereto, a second series of outwardly extending vanes on the rear side of the disc curved reversely of the vanes on the front side of the disc terminating at said ring and arranged so that the two sets of vanes cross intermediate their ends, and ports through the disc in the angles formed where the concave sides of the vanes of said second series join the sealing ring.

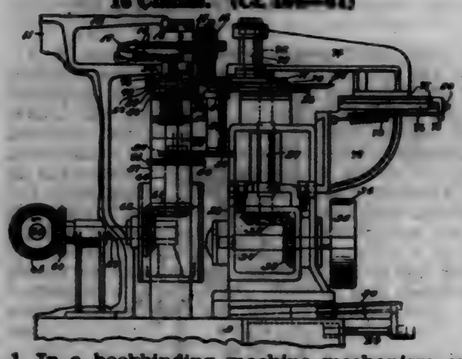
2,028,784
HEDGE CUTTER
Robert Jennett, Camden, N. J.
Application September 18, 1934, Serial No. 744,325
2 Claims. (Cl. 56—13.3)

1. The combination with a motor having an arbor, of a pair of discs carried centrally by the arbor, knives having one end inserted between the discs and the opposite end extending beyond the perimeters of the discs and angularly adjustable with relation thereto, means frictionally clamping the knives between the discs in such



positions, and a shield positioned to protect the user from engagement with the knives.

2,028,785
TRIMMING MECHANISM FOR BOOKBINDING MACHINES
Paul E. Kleinsteuber, Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y., a corporation of New York
Application April 2, 1934, Serial No. 718,774
16 Claims. (Cl. 164—61)

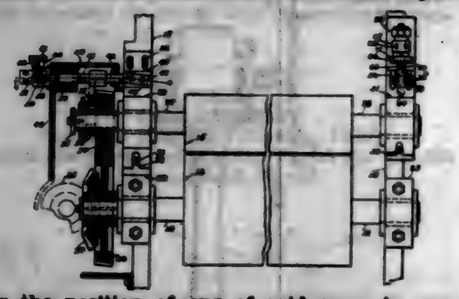


1. In a bookbinding machine mechanism operable upon successive books or groups advanced edgewise through the machine for progressively trimming an edge thereof during travel, comprising means for holding edgewise the books to be trimmed and advancing them past the trimming point, in combination with a sharp-edged rotary trimming disk mounted at one side of the book path of travel to intersect such travel path, and at the opposite side of the book path a non-cutting abutment extending at both sides of the cutting plane to support the book edge against the thrust of the disk during trimming, whereby the book edge is trimmed by a slicing action.

2,028,786
GEARING FOR ROTARY PRINTING MACHINE FOLDERS
Frederick Lamatsch, Grantwood, N. J., assignor to Irving Trust Company, permanent trustee for R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application April 26, 1934, Serial No. 722,576
18 Claims. (Cl. 74—371)

1. In a machine having two rotatable members supported with their axes in parallelism, a driving gear connected to one of said members, a driven gear meshing with the driving gear and

connected to the other member, means for adjusting the spacing between the axes of the rotatable members, and means for further adjusting the position of one of said gears to compensate for said axes spacing adjustment and thereby maintain a normal meshing relation between said gears.



2,028,787

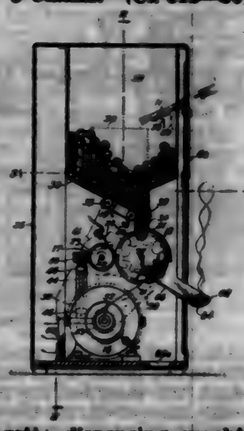
CIGARETTE DISPENSING MACHINE

Donald Bruce Lane, Glen Cove, N. Y., assignor to Kinsselman & Lane Holding Co., Inc., New York, N. Y., a corporation of New York

Application October 3, 1931, Serial No. 566,674

Renewed May 16, 1935

5 Claims. (Cl. 312—36)



1. A cigarette dispensing machine having a cigarette container, a cigarette dispensing tray, a cigarette discharging conveyance for carrying a cigarette from the container to the tray, an igniter between the container and the tray, an electrical circuit, a motor therein connected to motivate the conveyance characterised by the fact that the motor continuously operates when its circuit is closed and by mechanism for causing the conveyance driven from the motor to pause automatically when its cigarette comes into register with the igniter and after a pause to start on its way again.

2,028,788

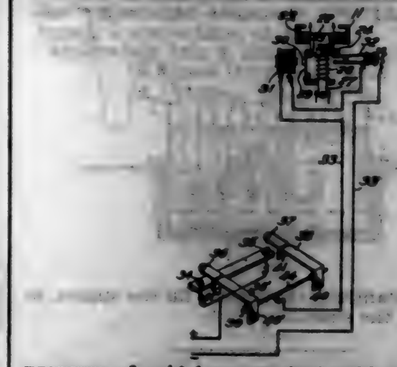
COIN CONTROLLED APPARATUS

Donald B. Lane, Brooklyn, N. Y., assignor to Kinselman & Lane Holding Co., Inc., New York, N. Y., a corporation of New York

Application May 2, 1933, Serial No. 668,997

2 Claims. (Cl. 194—1)

1. In a coin-controlled dispenser having a coin-slot, a container having a throat from which articles pass to be dispensed, a delivery mechanism for removing one article at a time from said container throat, a coin obstruction extendable into said slot, a lever normally pressed against articles in said throat, means for controlling the pressure of said lever against said articles, and means operable by the swinging of said lever for causing said obstruction to obstruct the passage of a coin through said slot.



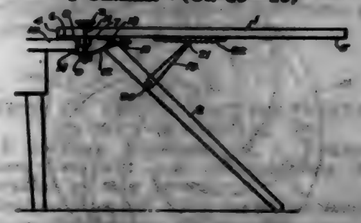
2,028,789

IRONING BOARD

Carl J. Lindquist, Brooklyn, N. Y.

Application May 22, 1934, Serial No. 726,941

4 Claims. (Cl. 68—10)



1. An ironing board having clamping means at one end by which it may be attached to the edge of a table, or the like, a bifurcated leg with each member thereof hingedly attached to the lower side of the board and at points adjacent the sides thereof, an arm mounted in said leg with the sides thereof engaging the inner surfaces of the side members of the bifurcated leg and adapted to engage teeth, one at a time, in a rack on the under side of the board and in the longitudinal center thereof, said arm being held in an upright position by engagement of the sides thereof with the inner surfaces of the bifurcated leg and positioned adjacent the upper end of the leg with the upper end of said arm engaging the rack in a line extending lengthwise of the board and substantially midway between the sides thereof, said clamping means comprising two bars loosely attached to the under side of the board and adjacent the sides thereof, said bars being curved downward and extending toward the end of the board that is clamped to the table, the ends of said bars being curved upward to engage the under surface of the table, and means holding said bars upward in clamping position against the under side of the table.

2,028,790

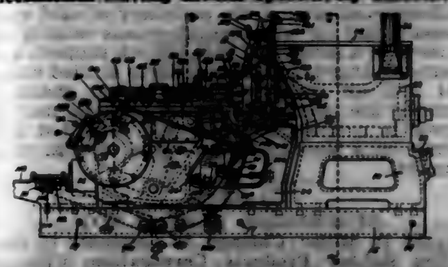
CASTING MACHINE

Arthur D. Lund, Minneapolis, Minn.

Application November 9, 1932, Serial No. 641,525

7 Claims. (Cl. 22—67)

1. In a casting machine, the combination including a mold, a chamber adjacent the mold for containing molten metal, a movably mounted ladle for conveying molten metal from the chamber and to a point for delivery of the metal to the mold, a rotatable cam, a ladle reciprocating mechanism having means operatively associated with the cam so as to receive movement therefrom, and a ladle tilting mechanism having a member actuated by the cam, said cam having a projection for imparting a supplemental action to said tilting mechanism member.



2,028,791

WRIST WATCH BRACELET

Fred H. Lynds, North Attleboro, Mass., assignor to Harold E. Sweet, Attleboro, Mass., doing business as R. F. Simmons Company

Application January 12, 1935, Serial No. 2,410

14 Claims. (Cl. 224—4)



1. A band or bracelet for wrist-watches comprising opposite arms shaped to conform substantially to the contour of the wrist, a hollow bearing-member on the side of the watch-case, means for pivotally connecting an arm to the bearing-member, and a leaf-spring enclosed in said hollow member with one end acting on the arm to swing it on its pivot.

2,028,792

PREPARATION OF ALKOXY FATTY ACID ESTERS OF CELLULOSE

Carl J. Malm, Rochester, N. Y., and James D. Coleman, Columbus, Ohio, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

No Drawing. Application February 29, 1932, Serial No. 595,958

18 Claims. (Cl. 260—181)

1. The process of making cellulose derivatives containing an alkoxy-fatty acid group which comprises treating a cellulosic material having free and available hydroxyl groups with an esterifying bath substantially comprising an alkoxy-fatty acid anhydrid and a tertiary organic base as the catalyst.

2,028,793

INTERFERENCE PREVENTING CABLE

Joseph J. Mascuch, Newark, N. J.

Original application July 11, 1931, Serial No. 550,070. Divided and this application February 17, 1933, Serial No. 657,167

2 Claims. (Cl. 247—5)

1. A flexible conduit to protect and electrically shield electric wires comprising an inner sleeve formed of a continuous strip of metal wound spirally to provide interlocking flanges, packing impregnated with an electrically conductive agent between the flanges, a plurality of braided metallic coverings on the inner sleeve and a ferrule on each end of the conduit enclosing the ends of the component parts and electrically bonding the several layers.



2,028,794

METHOD OF CONSTRUCTING REVETMENTS

Gerard H. Matthes, Los Angeles, Calif.

Application March 13, 1934, Serial No. 715,332

2 Claims. (Cl. 61—37)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A method of constructing revetments for shores, banks, bottoms of rivers and the like consisting in forming a bed on the surface to be revetted, the bed being of sufficient thickness to preclude the passage therethrough of the finer materials of the revetted surface and composed of an aggregate, the permeability of which will permit equalization of the hydrostatic pressure exerted above and below the bed and then protecting the bed against erosion by depositing thereon a series of blocks shaped to provide a multiplicity of angular projections, the latter functioning to dissipate wave impacts and decelerate water currents in immediate contact with the bed.

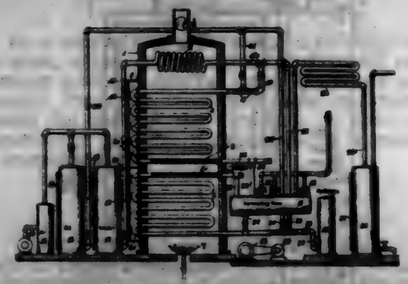
2,028,795

PROCESS FOR CONVERSION AND HYDROGENATION OF HEAVY PETROLEUM OILS AND APPARATUS

Ralph H. McKee, New York, N. Y., assignor to U. S. Hydrogenation Corporation, a corporation of Nevada

Application September 22, 1932, Serial No. 634,581

11 Claims. (Cl. 196—53)



1. A process of treating petroleum oil for the conversion thereof into motor fuel, by hydrogenation below the saturation point, which comprises passing co-mingled petroleum oil and water through a primary conversion zone subjected to a

temperature sufficient to vaporize and crack a substantial part of said petroleum oil, the water being in proportion sufficient to retard polymerization of the oil during its said heat treatment, passing the resulting vapor and entrained liquid products to a separating zone wherein liquid is separated from the vapors, leading said liquid from said separating zone directly to a secondary conversion zone subjected to heat higher than that of the primary zone and below that required for conversion of a substantial proportion of said residue into fixed gas, said treatment being under pressure below 20 atmospheres, mixing the resulting products from both conversion zones in said separating zone, removing the lighter vapors of both conversion zones together from the separating zone, and recycling residues from the two conversion zones, with hydrogenous material such as water, through the more highly heated secondary conversion zone.

8. Apparatus for producing hydrocarbons of low boiling point which comprises a heat chamber having a burner at its lower end, a primary conversion coil in said chamber at the upper portion thereof, means for injecting co-mingled oil and water into said primary conversion coil, a separating and expanding chamber of controlled temperature having communication with the outlet end of the primary conversion coil, a secondary conversion coil disposed at the lower portion of the heated chamber and exposed to heat of greater intensity and having its outlet at the top, and its inlet at the bottom, so that the outlet sections of the primary and secondary coils lie substantially in the same heat receiving zone within the heated chamber, catalyzing agents disposed within the outlet sections of the conversion coils, a flow connection communicating the base of the separating chamber with the inlet of the secondary conversion coil, means for discharging from the secondary conversion coil into the separating chamber, and means for removing from the separating and expanding chamber the lighter products received from said coils.

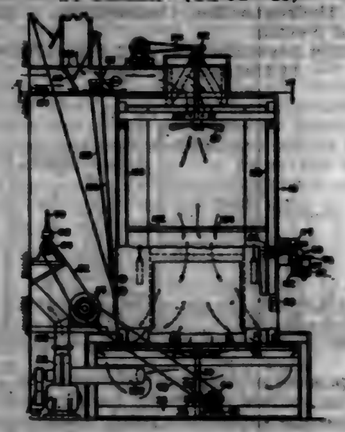
2,028,796

APPLICATION OF FINELY DIVIDED MATERIAL TO ARTICLES OF MANUFACTURE

Matthew M. Merritt, Middleton, Mass., assignor to The Tanning Process Company, Boston, Mass., a corporation of Massachusetts

Application May 14, 1932, Serial No. 611,416

27 Claims. (Cl. 91—65)



4. In an apparatus for treating pieces of work, such as sheet material, a chamber having an inlet at one end thereof and an outlet at another end thereof, a substantially circular work support located at the outlet end of the chamber transversely of said outlet, means located beyond the work support to withdraw air from the chamber uniformly all around the periphery of said work support, said air-withdrawing means causing air to move in a direct line to said work support, and means arranged to introduce finely divided material into air traveling through said chamber, whereby the said finely divided material may be moved in a straight line to and deposited uniformly on a piece of work on said circular work support.

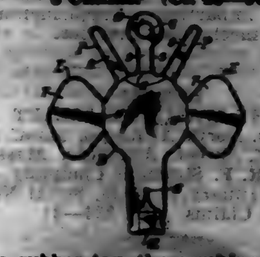
2,028,797

SUSPENSION RUBBER TOY

Layard D. Miller, Chicago, Ill., assignor to Lee-Tex Rubber Products Corporation, Chicago, Ill., a corporation of Delaware

Application December 8, 1934, Serial No. 756,287

3 Claims. (Cl. 46—90)



1. In a rubber toy, the combination of a main inflatable body, a tubular external protuberance in the form of an eye integral with the body and in communication therewith, and a core piece confined within the tubular protuberance and extending through the loop to restrain inflation thereof.

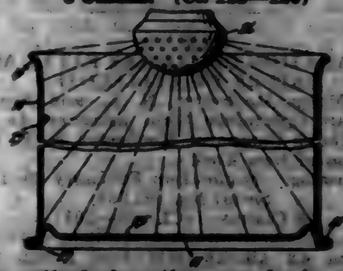
2,028,798

METHOD OF LINING THE ENDS OF CANS

John H. Marsh, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application November 7, 1932, Serial No. 642,975

3 Claims. (Cl. 113—120)



1. A method of coating cans for beer and the like, which comprises providing a can body with a substantially vertical tubular wall and a can end with a flange and an annular wall disposed inside of and adjacent to said can body wall and spaced away and at an angle to said can body wall, leaving an annular space between said adjacent walls, assembling said body and end in a loose connection by curling said end flange against the exterior of said body wall, applying a coating material between said angularly disposed body and end walls and also on the inside of the assembled body and end, thereby completely covering the adjacent body and end walls and completing said connection and bringing said walls together by forming a closed seam.

2,028,799

PISTON

Raymond L. O'Connor, Oakland, Calif.

Application January 29, 1934, Serial No. 708,965

1 Claim. (Cl. 309—15)



A piston comprising a cylindrical skirt section having a central embossment with an axially threaded bore, a cylindrical head section fitting upon the skirt section peripherally and carrying piston rings, and a screw supported axially in the head section and being held against axial movement with respect to the head section, said screw being removably received in the bore for holding the two sections together, said screw when being removed from the bore, lifting the head section from the skirt section.

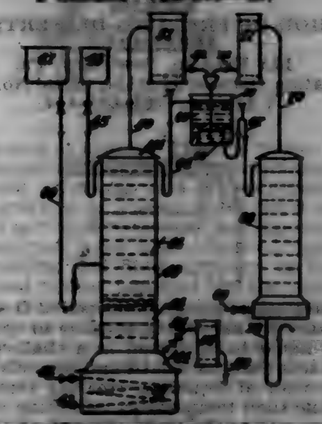
2,028,800

PROCESS FOR CONCENTRATING ACETIC ACID

Donald F. Othmer, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application February 6, 1931, Serial No. 513,929

3 Claims. (Cl. 202—42)



1. The continuous process of concentrating aqueous acetic acid to produce a concentrated acid free of withdrawing agent which comprises charging a still with a mixture of aqueous acetic acid and just the right amount of a water-withdrawing agent, selected from the group consisting of normal-propyl acetate, iso-propyl acetate and propylene chloride, to form an azeotropic mixture with the water in the aqueous acetic acid, distilling water and withdrawing agent from the mixture, condensing the distillate and substantially separating the withdrawing agent from the water therein, returning the separated withdrawing agent substantially continuously to the still, and supplying further aqueous acetic acid substantially continuously to the still, the withdrawing agent being returned to the still at a rate just right to form an azeotropic mixture with the water contained in the aqueous acetic acid being supplied to the still.

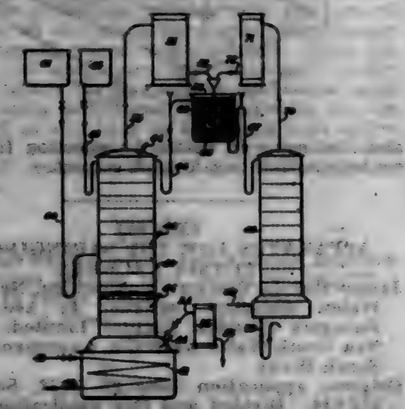
2,028,801

PROCESS FOR CONCENTRATING ACETIC ACID

Donald F. Othmer, Brooklyn, N. Y.

Original application February 6, 1931, Serial No. 513,929. Divided and this application April 12, 1935, Serial No. 16,061

10 Claims. (Cl. 202—42)



1. In the process of dehydrating aqueous acetic acid, the step of supplying aqueous acetic acid to a distilling column, during distillation therein adding at least one halogen containing compound from the group consisting of iso-propyl iodide, dichlorobrommethane, iso-butyl bromide, dibrommethane, iso-amyl chloride, normal-butyl bromide, and allyl iodide at the upper part of the column and removing from the top of the column a constant boiling mixture of water and halogen compound.

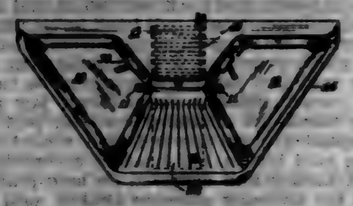
2,028,802

SINK STRUCTURE

Robert L. Ottin, Fox Chapel Manor, Pa., assignor to Standard Sanitary Manufacturing Company, a corporation of New Jersey

Application December 4, 1934, Serial No. 756,585

12 Claims. (Cl. 4—187)



1. In a sink structure having a suitable surface area, a pair of oppositely-positioned compartment portions having outer bounding sides generally inclining outwardly and backwardly towards the back of the structure, so that said compartment portions may be readily accessible to a number of persons.

2,028,803

BALANCED SINK STRUCTURE

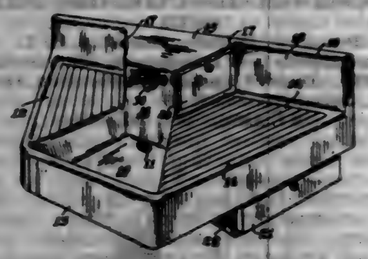
Robert L. Ottin, Fox Chapel Manor, Pa., assignor to Standard Sanitary Manufacturing Company, a corporation of New Jersey

Application December 8, 1934, Serial No. 756,866

11 Claims. (Cl. 4—187)

1. In a sink structure having a suitable surface area which includes a back portion, a central por-

tion, and adjacent portions extending backwardly



and increasing in outward projection from said central portion to said back portion.

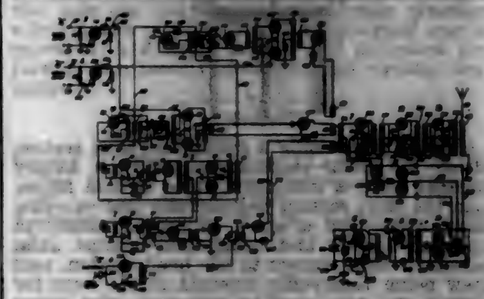
2,028,284
APPARATUS FOR THE STRINGING OF TENNIS RACKETS
James Hutton Procter, Northbridge, New South Wales, Australia, assignor to Ace Racket Stringers (Foreign Rights) Limited, Sydney, New South Wales, Australia, a company of New South Wales
Original application June 22, 1932, Serial No. 618,744. Divided and this application March 28, 1934, Serial No. 717,854. In Australia, New Zealand, and Great Britain July 16, 1931
1 Claim. (Cl. 265—1)



A racket string tensioning tool of the dynamometer class comprising in combination a pull head, a helical spring, a tubular metal sleeve loosely encasing said spring, a tubular handle grip in which said sleeved spring is slidingly accommodated, a bridle connecting the outer end of said spring with the remote end of the handle grip, a tensioning bridle connecting both the inner end of the tubular sleeve and the inner end of said spring with said pull head, said pull head being disposed in alinement with said spring beyond that end thereof which is bridled to the handle grip, a bitt fixed on said pull head and adapted to carry a turn of racket string, a fixed pinch jaw and a movable pinch-jaw mounted on said pull head and adapted to grip the fall of a racket string led from said bitt, a self-holding eccentric cam having a handle and centered on said pull head adapted for applying pressure against said movable jaw to force it towards said fixed jaw, and means for gauging the distortion of said spring to indicate the tension applied to a string in the stringing operation.

2,028,365
MULTIPLEX TRANSMISSION
Richard Howland Ranger, Newark, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 5, 1933, Serial No. 650,815
7 Claims. (Cl. 250—6)

1. In a multiplex transmission system the method which comprises generating a plurality of carriers of intermediate frequency, producing from the generated carrier frequencies side band frequencies corresponding to the upper and lower side band produced, producing intermediate frequency carrier energy stabilized by the produced side band frequencies modulating each produced side band stabilized frequency and at least one generated carrier frequency independently by signals representative of the intelligence to be communicated, generating a transmission carrier frequency, modulating the transmission carrier by each of the modulated intermediate carrier frequencies, suppressing one side band frequency produced by the modulation of the carrier frequency by each modulated intermediate carrier, amplifying the modulated transmission carrier frequency, tuning the amplifying system sharply to the selected side band frequency produced by modulation, and transmitting the modulated carrier frequency representative of the intelligence signals supplied to all channels of the multiplex system.



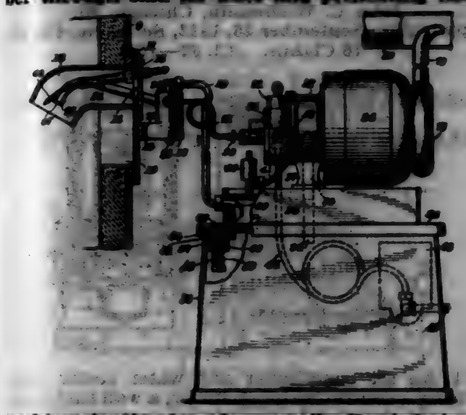
2,028,396
METHOD OF FREEZING DESSERTS, AND APPARATUS
Ida Ecchlin, Sewickley, Pa.
Application October 17, 1934, Serial No. 748,646
7 Claims. (Cl. 62—114)



1. The method herein described of freezing ice-cream and the like which consists in spreading a body of liquid to be frozen in a shallow pool of a depth less than its length and breadth, subjecting the pool of liquid to freezing temperature, and, while such temperature condition continues, setting up within the body of liquid and throughout all its extent an oscillatory movement in the direction of its depth.

2,028,397
OIL BURNER
William F. Reibold, Irvington, N. J., assignor of sixty percent to K. L. Cluley, Montclair, N. J.
Application February 5, 1935, Serial No. 5,020
9 Claims. (Cl. 158—73)

1. In an oil burner, a heat conducting base plate for application to a furnace opening, an inwardly projecting air induction and air preheating hood at the furnace side of said base plate, a preheating and mixing chamber supported by and spaced from the outer face of said base plate and heated thereby, said base plate having a free air inlet opening extending therethrough into said hood and a burner tube projecting from said preheating and mixing chamber through said air inlet and preheating hood



and terminating in a downwardly directed atomizing nozzle.

2,028,566
RUBBER ARTICLE AND METHOD OF MAKING THE SAME
Levi M. Rosenthal, New York, N. Y.; Annie Rosenthal, New York, N. Y., executrix of said Levi M. Rosenthal, deceased
Application July 1, 1933, Serial No. 678,571
11 Claims. (Cl. 18—58)



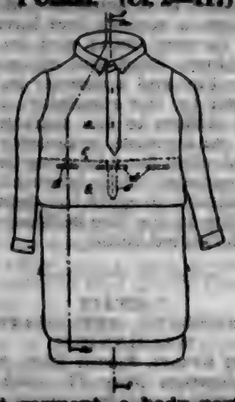
2. A method of forming a hollow rubber article which consists in spreading the unvulcanized rubber material in viscous and self-adherent form upon the surfaces of a plurality of mold sections which are provided with lips, said unvulcanized rubber material being also deposited upon said lips, assembling said mold members so that the unvulcanised rubber material has the conformation of the desired article and the lip portions of said unvulcanized rubber material contact with each other, and then vulcanizing said rubber material by heat while said mold members are held in said relative position, the vulcanization being completed before the rubber material has lost its adherence to the mold sections.

2,028,569
PIANO KEYBOARD CHART
Ray A. Shannon, Kansas City, Mo.
Application July 5, 1933, Serial No. 679,845
3 Claims. (Cl. 84—471)



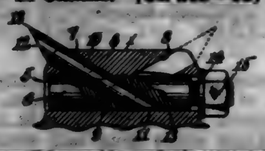
1. A piano key board chart comprising a resilient sheet member having two portions normally diverging at an acute angle requiring their compression toward each other for insertion between and to have pressing engagement respectively with the front wall of the piano case and the black keys of the piano, said member being adapted for support on its longitudinal edges on the white keys, the outer side of one of said portions having defined spaces corresponding in width and number with the keys of an octave on the piano key board, said spaces having thereon respectively the names of all the notes of the chromatic scale arranged in the order in which they appear in said scale, said member being adjustable longitudinally on the key board to and held by the black keys under tension in positions in which any one of said spaces will register with any one of the keys in an octave.

2,028,810
SHIRT
John Lodge Shaw, Crouch End, London, England
Application July 23, 1934, Serial No. 737,372
In Great Britain July 31, 1933
1 Claim. (Cl. 2—117)



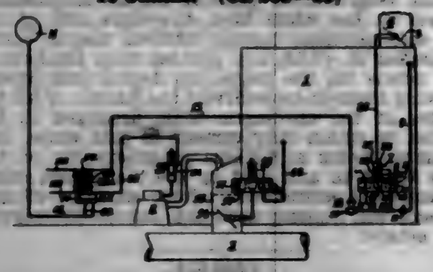
In a shirt garment, a body portion having a three-ply transverse pleat formed in the material of and at the waist of said body portion, said three-ply pleat having slits in the innermost ply and concealed by the outer plies thereof, and stitches extending through the three plies of said pleat at the upper fold thereof and above said slits.

2,028,811
CUTTER CHAIN
Leon E. Simmons, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application June 27, 1933, Serial No. 677,581
18 Claims. (Cl. 262—33)



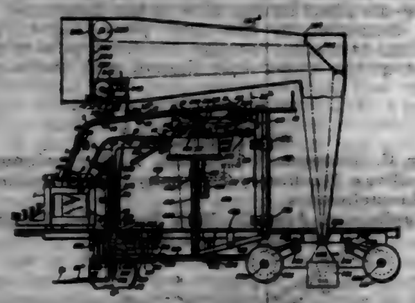
7. A reversible cutter chain comprising a bit block, and bit holding means rotatably mounted in said bit block and rotatable into one position to hold the bit in a position to cut in one direction and into another position to hold the bit in a position to cut in the reverse direction, said bit holding means operative in said first-mentioned position to hold the bit in position to cut in the first-mentioned direction only, and when in the second-mentioned position to hold the bit in position to cut in the reverse direction only.

2,028,812
CONTROL SYSTEM FOR BOILER FURNACES
George W. Smith, Pittsburgh, Pa., assignor to John M. Hopwood, Dormont, Pa.
Application May 25, 1934, Serial No. 727,473
16 Claims. (Cl. 236—15)



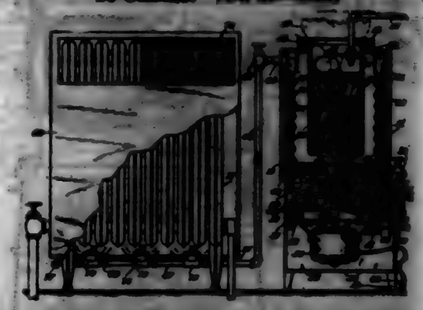
1. In combination, a regulator having a suction responsive element adjusted for equilibrium at a predetermined value of suction for causing the regulator to move in one direction or another in response to a departure of the suction from said value, a suction line having one end connected to furnace outlet and the other open to the atmosphere, fixed and adjustable orifices in the suction line and a damper in the furnace outlet operated by the regulator, a connection between said orifices to the suction element of the regulator, and means responsive to a condition to be controlled for adjusting the adjustable orifice, said regulator being operated in response to such adjustment to shift the damper and restore the suction in the line between said orifices to said predetermined value.

2,028,813
SHEET FEEDING AND DELIVERING MECHANISM
Robert Stuart, Forest Hills, N. Y.
Original application May 27, 1933, Serial No. 673,389. Divided and this application August 6, 1934, Serial No. 738,669
10 Claims. (Cl. 197—136)



9. The combination with a typewriter having a platen roll, of a sheet-supply station, a control, means rendered operative by said control for transferring one sheet from said station to said platen roll each time said control is actuated, a feed stop adjacent said platen roll and normally out of sheet-arresting position, means rendered operative by said control for moving said sheet stop into sheet-arresting position to arrest the transferred sheet and for thereafter moving said sheet stop out of sheet-arresting position, and means rendered operative by said control for cooperating with said platen roll in displacing the transferred sheet thereon from its arrested position.

2,028,814
AIR CONDITIONER
John C. Wiekmann, Chicago, Ill.
Application September 26, 1933, Serial No. 690,371
16 Claims. (Cl. 62—256)



1. An air conditioner and water cooler comprising a central water chamber, a wall surrounding said chamber to provide an annular air conducting chamber, a horizontally disposed fan positioned beneath the water chamber, water nozzles positioned in said air conducting chamber, a conduit for conducting water from the water chamber to said nozzles and to the top of said fan, said fan being positioned to spray such water by centrifugal force into the path of the air from the fan into said annular chamber, and a valve for feeding water from the water chamber to said nozzles and onto said fan during rotation of the latter.

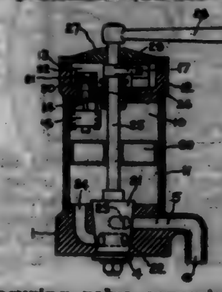
2,028,815
VALVE
John Midgley Wood, Cranston, R. I., assignor to Franklin Process Company, Providence, R. I., a corporation of Rhode Island
Application June 1, 1934, Serial No. 728,544
6 Claims. (Cl. 251—40)



6. In a valve, the combination of a housing having inlet and outlet openings, a detachable seat-member having an annular rim, means for attaching the seat-member to the housing with the annular rim extending into one of said openings, a closure cooperating with the rim of said seat to close the opening, a stem extending through the housing and slidable therein, a standard, and means for actuating the stem to move the closure to open and close the valve, said actuating means including a member engaging the stem and longitudinally adjustable on the standard whereby to vary the range of movement

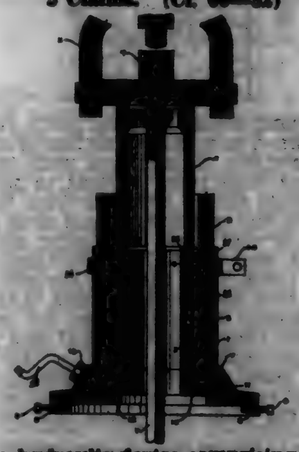
of the closure to insure its engagement with the annular rim of the seat after the latter has been resurfaced by grinding the rim.

2,028,816
MEASURING VALVE
Howard C. Allen, Vancouver, British Columbia, Canada
Application October 23, 1934, Serial No. 749,585
5 Claims. (Cl. 225—9)



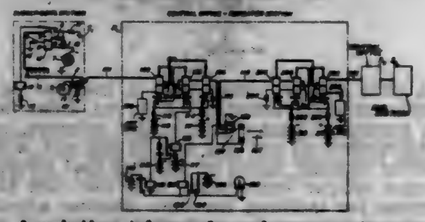
1. A measuring valve comprising a chamber having a base and side walls, said base having an inlet connection and a discharge outlet, a float valve for admitting liquid to a predetermined level in the chamber from the inlet connection, a bye-pass valve from the inlet connection to the chamber adapted when open to relieve the pressure of the liquid supply and open the float valve, and a valve for discharging the liquid from the chamber through the outlet.

2,028,817
HYDRAULIC JACK
Frank Anguish, Wewoka, Okla., assignor of one-half to Phillips Petroleum Company, a corporation of Delaware
Application March 14, 1934, Serial No. 715,567
5 Claims. (Cl. 60—53)



1. In a hydraulic device comprising a base element supporting two concentric piston chambers about an open space extending throughout the length of the device and which contain a pressure transmitting fluid, a first conduit connecting the said chambers, a check valve in said conduit, a second conduit connecting the said chambers, a valve in said second conduit, two annular pistons provided with packing rings mounted in said piston chambers in contact with said fluid, manually operated means connected to the outer one of said pistons for forcing the piston to apply pressure to said fluid and manually operated means for operating the valve in second conduit adapted to release said fluid and permit the return of both pistons to a balanced position.

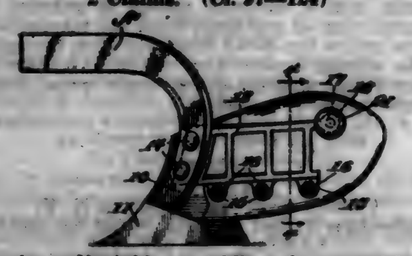
2,028,818
PRINTING TELEGRAPH SYSTEM
Russell Jacob Anspach, Roselle, and Jackson Webster Harrison, Westfield, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application June 21, 1934, Serial No. 731,740
10 Claims. (Cl. 178—69)



1. A printing telegraph exchange system comprising in combination a plurality of telegraph lines connected to a plurality of printing telegraph central office repeater stations, a plurality of subscribers' printing telegraph stations connected to the central office repeater stations by the telegraph lines, and instrumentalities for enabling a subscriber to warn an attendant at only one central office repeater station of the improper functioning of teletypewriter apparatus located at that particular subscriber's station, said instrumentalities including a normally closed circuit extending from a subscriber's station to the nearest central office and a cam at the subscriber's station for opening said circuit for a preassigned time interval.

5. A printing telegraph system including in combination a receiving teletypewriter station connected by a telegraph line to a sending teletypewriter station, and a calling-in circuit for enabling an operator at the receiving station to notify an operator at the sending station that teletypewriter apparatus at the receiving station is not functioning properly, said calling-in circuit including an alarm device having an energizing circuit which is normally open at the armature of a normally unoperated first relay, said first relay having an energizing circuit which is normally open at the armature of a second normally unoperated relay, and control means at the receiving station for operating the second relay to operate the first relay for closing the energizing circuit of the alarm device.

2,028,819
BREAKING PLOW
Ray E. Atkinson, Fowler, Ind.
Application April 10, 1935, Serial No. 15,688
2 Claims. (Cl. 97—124)



1. An adjustable mouldboard, comprising a strut for fixed engagement to a leg of a plow

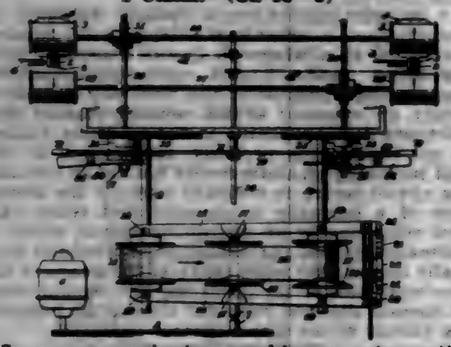
beam, a springy mouldboard section carried by the strut and connected therewith at the lower portion of said section, and means on the strut and active upon the mouldboard section to flex the same.

2,028,520
CHIN SUPPORT
Will J. Betharum, Franklin, Texas.
Application August 21, 1934, Serial No. 740,849
1 Claim. (Cl. 27—25)



A chin support comprising a member to be positioned in the nostrils of a person, a flat faced rod having a head carrying said member, rack teeth formed on one flat face of the rod, a chin bearing slidably fitted on the rod and having a ratchet tongue engagable with the rack teeth thereon for latching the chin bearing adjusted on the rod when the said chin bearing is subjected to weight and means on the head and chin bearing for engagement by the fingers of a person for effecting the ratcheting action of the chin bearing on the rod.

2,028,521
SPINNING MACHINE FOR RAYON OR OTHER SYNTHETIC MATERIAL
Julius Brenninger, Fairfield, Conn., assignor to The Max Ams Chemical Engineering Corporation, Bridgeport, Conn., a corporation of Connecticut
Application October 1, 1930, Serial No. 485,626
1 Claim. (Cl. 18—3)



In a rayon spinning machine, a spinnerette, two spools either one of which can receive the thread produced by the spinnerette, change-speed transmission means to drive the spools, means to connect or disconnect either spool from the transmission means, latching means to prevent the disconnecting of one spool from the transmission means unless the other spool has been connected to the driving means, and means to reverse the action of the change-speed means when releasing the latch.

2,028,522
PISTON
Charles S. Brown, Syracuse, N. Y.
Application August 28, 1931, Serial No. 560,965
2 Claims. (Cl. 309—15)

1. A piston for internal combustion engines comprising a head formed with a circumferential groove and a skirt comprising a split sleeve having an internal annular flange located in the groove and slidably engaging the walls thereof, the head having pin bosses depending into the upper end of the skirt and the skirt being formed with openings opposite the pin bosses for permitting the insertion of the piston pins, said skirt being shiftable about the head to bring said openings into alignment with the bearings of the pin bosses and out of alignment therewith to hold the pins from displacement, and snap catch means for normally holding the skirt from turning about the head.



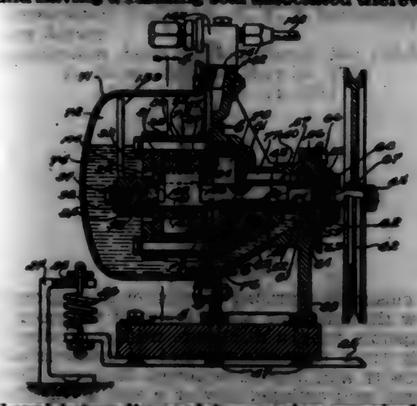
2,028,523
CHAIR
Bernard George Bruening, Evansville, Ind.
Application August 25, 1933, Serial No. 686,325
1 Claim. (Cl. 155—1)



A chair comprising two front posts, two rearwardly declined skids projecting rearwardly from the lower portions of said front posts, the front ends of said skids being secured to said front posts at points spaced upwardly from the lower ends thereof, the rear ends of said skids and the lower ends of said front posts being adapted to rest upon a floor or the like, two relatively tall rear posts rising from the rear portions of said skids, said rear posts being secured to said skids at points spaced forwardly from the rear ends of said skids, rungs securing all of said posts in rigid relation with each other, a seat spaced above said skids and extending from said front posts to said rear posts, and back-forming means secured to the upper portions of said rear posts.

2,028,524
COMPRESSOR FOR REFRIGERATING SYSTEMS
John C. Buchanan, Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, a corporation of Illinois
Application October 8, 1932, Serial No. 637,727
9 Claims. (Cl. 230—205)

1. In a refrigerating system a refrigerant compressor associated therewith, said compressor being provided with a chamber into which said compressor discharges and which forms a refrigerant and lubricant reservoir, a shaft projecting into said chamber below the lubricant level therein and having a running seal associated therewith,



said seal being disposed in a region remote from said chamber, and means associated with said shaft for circulating a continuous stream of lubricant under pressure from said chamber within the space surrounding said seal and thereafter returning said lubricant to said chamber.

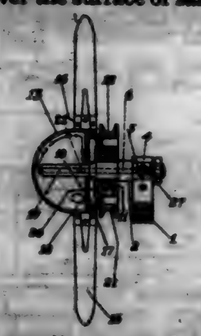
2,028,525
SERVICE CONTAINER
Emil Christensen, Canterbury, Melbourne, Victoria, Australia
Application December 30, 1933, Serial No. 705,297
In Australia August 15, 1933
1 Claim. (Cl. 224—5)



A service container comprising a cylindrical casing of double wall type, insulating material between the walls, end walls for the casing, a chamber mounted axially of the casing, means for rotatably supporting the chamber in each end wall of the casing, means carried by one end wall of the casing to permit access to the chamber to utilize the chamber as a refrigerant receptacle, means connected with the chamber and extending through the opposite end wall thereof for rotating the chamber, and a series of walls radiating from the chamber into substantial contact with the casing and substantially coextensive in length with the distance between the end walls of the casing, whereby to provide merchandise receptacles surrounding the chamber and open toward the casing, the casing being formed with an opening extending longitudinally thereof for substantially the full length of a merchandise receptacle, whereby access is had to all the articles in a merchandise receptacle in registry with said opening in the casing.

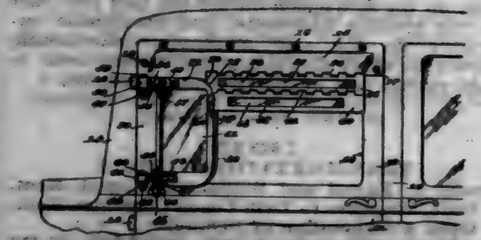
2,028,526
ENGINE ACCESSORY
Alfred Copony, Mount Clemens, Mich.
Application January 19, 1933, Serial No. 652,512
8 Claims. (Cl. 184—6)

1. In a centrifuge for the purification of oil in internal combustion engines, the combination of a rotating shell actuated by said engine, means on the outside periphery of said shell to create a current of air over the surface of said shell when said



engine is in operation, means for admission of polluted oil of said engine into said shell, and means to extract the purified oil from said shell.

2,028,527
COMBINED VISOR AND VENTILATOR FOR MOTOR VEHICLES
Henry J. Cox, New Orleans, La.
Application November 12, 1934, Serial No. 752,779
4 Claims. (Cl. 296—84)

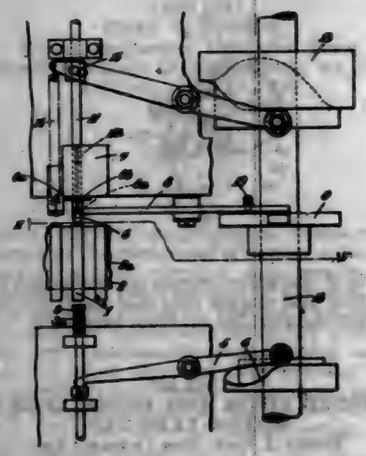


3. A combined visor and ventilator for windows of automobiles comprising a door frame having an opening, a stationary panel secured to the frame above the opening and having a panel depending from the free edge of the stationary panel and hingedly connected thereto, a panel having a transparent section swingably mounted at one side of the opening of the door frame and movable into association with the depending panel for protecting the occupant of the car against rain and sunlight along two edges of the opening, a portion of the free edge of the swingable panel neatly fitting an outside end portion of the stationary panel, a free end of the depending panel engaging over the outer face of the free end of the swingable panel, said panels cooperating to divert rain from the opening while permitting ventilation.

2,028,528
CIGARETTE
William Frederick Maitland Edwards, Earls Court, London, England, assignor to Filter Tips Limited, London, England, a British company
Application February 25, 1935, Serial No. 8,195
In Great Britain April 13, 1934
16 Claims. (Cl. 93—77)

1. In apparatus for the manufacture of filter tip cigarettes, means for introducing mouthpiece insertions into tubular mouthpieces, such means comprising a spoon on which the tubular mouthpiece is positioned, a plunger axially aligned and co-operating with the said spoon to eject a mouthpiece insertion therethrough, means oper-

ating the said plunger so that one part of its ejecting movement positions the said insertion flush with the end of the said mouthpiece, while a second part of the ejecting movement ejects the said insertion and mouthpiece from the spoon,



means for maintaining the mouthpiece in position on the said spoon during the said first part of the ejecting movement, and mechanism operating on the said mouthpiece-maintaining means to effect disengagement thereof prior to said second part of the ejecting movement.

2,028,829
TRANSPORTATION VEHICLE
Frank R. Fageol and William B. Fageol, Kent, Ohio, assignors to Twin Coach Company, Kent, Ohio, a corporation of Delaware
Application December 7, 1931, Serial No. 579,576
10 Claims. (Cl. 180—54)



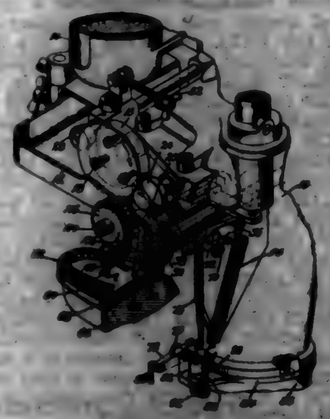
2. A passenger-carrying road vehicle characterized by its light weight and low center of gravity comprising a base frame constructed of relatively light members and including a peripheral frame member extending completely around the vehicle, a plurality of transverse members connected at their ends to said peripheral member; an internal combustion engine mounted on said base frame adjacent the front end thereof; a front dead axle and a rear driven axle connected to said frame by springs; a drive shaft extending from said engine to the rear axle, said drive shaft being above the plane of the peripheral member and passing above some of said transverse members; a longitudinal aisle substantially in the plane of the peripheral frame member and to one side of the drive shaft; a seat platform extending from one side of the vehicle to the aisle and covering said drive shaft; and relatively light metal body framing members and metal body rigidly united to said base frame and reinforcing said base frame.

2,028,830
TUBE CAP
Walter M. Glienke, Sandusky, Ohio
Application August 14, 1934, Serial No. 739,761
1 Claim. (Cl. 221—60)



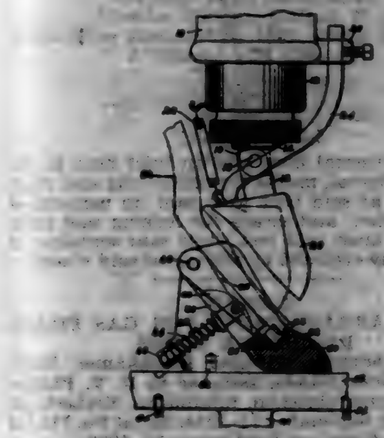
A closure comprising a cylinder having one end screw threaded for attachment to the neck of a collapsible tube, a discharge neck extending laterally from the cylinder and in communication therewith and located adjacent the screw threaded end, said cylinder having a slot, a cap closing said cylinder and one end of the slot, a plunger slidable in the cylinder, a coil spring bearing against the cap and one end of the plunger to urge the other end of the plunger to lie between the discharge neck and the screw threaded end of said cylinder for closing the discharge neck to the collapsible tube, a pin secured to the plunger and projecting through the slot for limiting the movement of said plunger by the action of the spring, a channeled closure element secured to the pin and movable with the plunger to close and open the discharge neck, and a guide slidably receiving the closure element and secured to the cylinder.

2,028,831
TREATING SOLE CHANNELS
John B. Hadaway, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 28, 1932, Serial No. 634,837
Renewed June 22, 1935
37 Claims. (Cl. 12—39)



1. In a machine for cementing the channels of shoe soles, a rigid coating-applying member having angularly related peripheral surfaces adapted for engagement respectively with the flap and the bed of a channel in a sole, and a power-driven movable flap-engaging tool for holding the channel flap in firm engagement with one of the surfaces of the applying member.

2,028,832
APPARATUS FOR MOLDING SOLES
Harry Hallam and Cyril Harry James, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application April 5, 1933, Serial No. 664,646
In Great Britain May 26, 1932
13 Claims. (Cl. 12—33)



1. A molding machine having, in combination, a concave mold, a convex mold movable in a straight line path toward and from the concave mold, and means comprising a fixed arm arranged to engage the mold during its straight line movement for swinging said convex mold transversely when it has been retracted from the concave mold, for the purpose of increasing the clearance between the two molds.

2,028,833
OSCILLATION GENERATION
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 16, 1930, Serial No. 467,811
19 Claims. (Cl. 250—36)



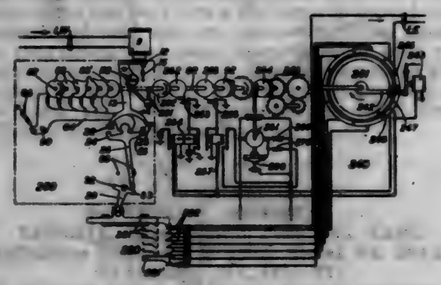
1. In an oscillation generation circuit comprising an envelope and a conductor in close proximity to said envelope, the method of producing electrical oscillations which includes producing an arc discharge within said envelope and establishing relative motion between the discharge and the conductor whereby the field of the discharge induces potentials in the conductor.

2,028,834
COAL CLEANING APPARATUS
Mack E. Haverth, Pittsburgh, Pa., assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application April 30, 1930, Serial No. 448,493
5 Claims. (Cl. 209—466)



2. In a coal cleaning apparatus, a horizontal perforated deck, of greater length than width, a plurality of spaced stations along said deck, continuously operating transverse conveyors at said stations, said conveyors consisting of endless carriers and associated receptacles, means for independently adjusting the effective capacity of said conveyors, a longitudinal conveyor having channels lengthwise thereof, said transverse conveyors discharging into predetermined channels of said longitudinal conveyor.

2,028,835
START-STOP TELEGRAPH REPEATER
Joseph Herman, Westfield, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application October 23, 1934, Serial No. 749,634
22 Claims. (Cl. 178—70)

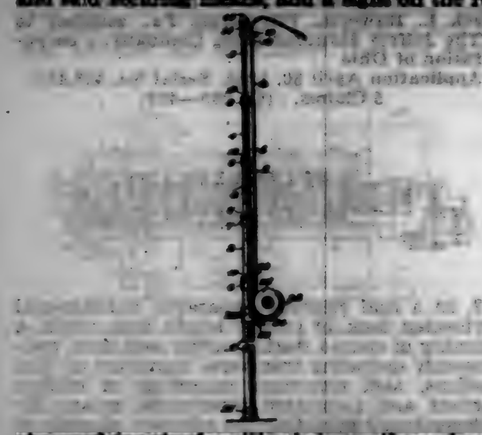


1. The method of repeating telegraph signals which comprises retransmitting successive signal impulse series with a lag between incoming and outgoing signal impulse series which varies in response to varying operating conditions, changing once during each impulse series the speed of retransmission to be higher at any large lag than at a smaller lag to automatically limit the lag not to exceed the time of retransmitting one signal impulse series.

2,028,836
TAPE CARRIER
Clarence G. Holgate, Milwaukee, Wis.
Application November 6, 1933, Serial No. 697,574
8 Claims. (Cl. 33—137)

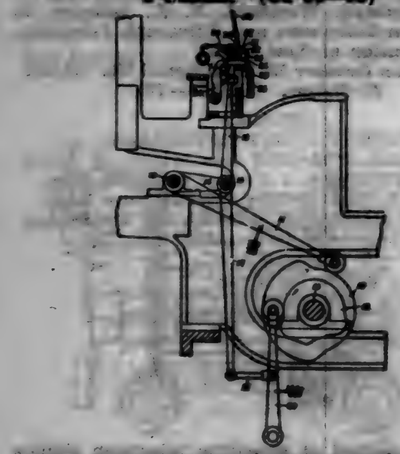
8. A tape carrier comprising an elongated rod, tape reel carrying means secured to the rod near one end thereof for holding a reel on the outside of the rod, a tape reel carried by said means, securing means near the other end of the rod for the free end of the tape when unwound from the reel, whereby the tape when unwound is held

substantially parallel to the rod between the reel and said securing means, and a sight on the rod



at a predetermined position between the reel carrying means and the said securing means.

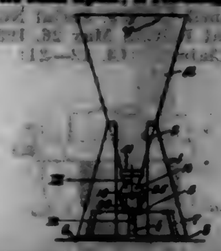
2,028,237
STRAIGHT BAR KNITTING MACHINE
Samuel Holt, Somerseton, England
Application May 28, 1932, Serial No. 613,077
In Great Britain June 1, 1932
5 Claims. (Cl. 66—98)



1. In a straight-bar knitting machine of the type described, having sinkers provided with throats disposed immediately below the points on which the new courses are drawn, a fixed presser disposed immediately above the sinkers, a set of needles, a needle bar, yarn feeders, and means for actuating the latter, the needle bar and the sinkers whereby the knitting of each course is effected solely on the sinkers by limited movements of the latter and the needles, substantially as described.

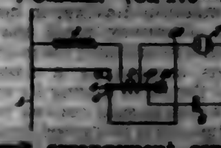
2,028,238
CONTAINER AND DISPENSER
Henry Kerwin, San Bernardino, Calif.
Application June 3, 1935, Serial No. 24,694
3 Claims. (Cl. 222—97)

6. In a device of the character described, the combination of a conical stand provided with an enlarged base and a constricted top, a vertically extending opening in the wall of said stand, and a rest positioned therein spaced from the bottom of the stand; a conical fibrous and destructible container comprising a conical body portion, a flat base, a plurality of added thicknesses of fibrous material connected to the exterior of the body portion at the apex and a substantially cylindrical lip member arranged over the said added thicknesses and to the body portion adjacent said apex; a feeding device provided



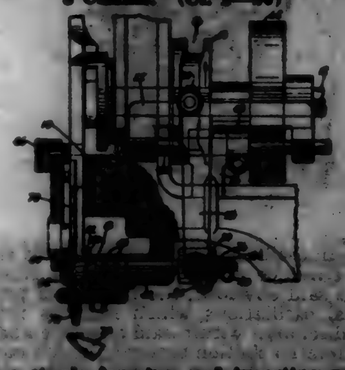
with a horizontal bore and an inlet port in the rear half thereof, means for connecting said feeding device at said port with said lip member of said container, and means for locking said feeding device upon said rest while said container is supportingly retained by the top of said stand.

2,028,239
CIRCUIT ARRANGEMENT FOR GAS FILLED DISCHARGE TUBES
Hendrik Abraham Wijsend Klinkhamer, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application September 14, 1934, Serial No. 744,060
In Germany September 15, 1933
7 Claims. (Cl. 176—124)



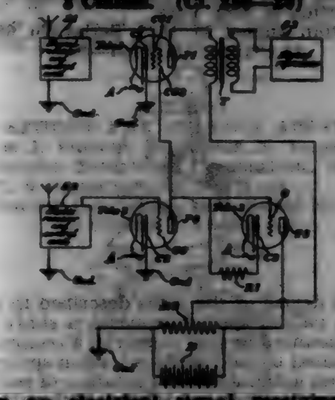
1. A circuit arrangement comprising a gas-filled discharge tube, an inductance connected in series with the tube, a capacity, and switching means to alternately connect said capacity in parallel with the discharge tube and in parallel with the series connection of the discharge tube and inductance.

2,028,240
FASTENING INSERTING MACHINE
Fred L. MacKenzie, deceased, late of Beverly, Mass., by Ella L. MacKenzie, administratrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 7, 1935, Serial No. 9,845
3 Claims. (Cl. 1—30)



1. In a staple forming and inserting machine, an inside former, an outside former arranged for movement to form a staple about said inside former, and means constructed and arranged to move said inside former into the path of movement of the outside former prior to the staple forming operation and also further to move the inside former to deflect the point of one of the staple legs after the staple has been formed.

2,028,241
MEANS FOR ELIMINATING STATIC AND OTHER DISTURBANCES
Charles Mertz, Clifton, N. J.
Application January 17, 1933, Serial No. 707,009
3 Claims. (Cl. 250—20)



3. In an electrical signal receiving system, means for separating undesired electrical oscillations from desired electrical oscillations comprising a receiving unit tuned to the frequency of the desired oscillations, a thermionic relay having a cathode, two grids and a plate, the cathode and one grid being connected to the output circuit of said unit, a signal reproducer operatively connected with the output of said thermionic relay, a second receiving unit similar to said first-named receiving unit but tuned to a frequency different from that to which said first-named receiving unit is tuned, a second thermionic relay having its input connected to the output of said second receiving unit, a resistance device connected in series in the output circuit of said second relay and having substantially no electrical capacity or time lag, the other grid of said first named thermionic relay being connected to a point in the output circuit of the second relay between the resistance device and the anode element of the second relay.

2,028,242
INK PAD FOR RUBBER STAMPS
Leland A. Phillips, Rochester, N. Y.
Application August 28, 1934, Serial No. 741,177
In Canada February 27, 1934
3 Claims. (Cl. 91—54.5)



1. A stamp pad consisting of a block of balsa wood cut across the grain thereof to a suitable thickness and impregnated with ink.

2,028,243
COLLAPSIBLE CONTAINER OR THE LIKE
Alexander Fleshler, Trail, British Columbia, Canada, assignor of one-third to David Chew, Trail, British Columbia, Canada.
Application March 22, 1933, Serial No. 661,530
7 Claims. (Cl. 222—80)

1. A closing device for the discharge neck of a collapsible container, said closing device comprising a plate swingably mounted at its lower end in the neck and extending beyond the outer end of the neck, spring means mounted within the neck between and in engagement with the swing-



able plate and the wall of the neck for normally swinging the plate to a closing position across the neck, a cover member carried by the outer end of the plate for abutting and closing the outer end of the neck when the plate is in closing position.

2,028,244
VALVE
Charles S. Fuge, Chicago, Ill., assignor to Central Valve Mfg. Co., Chicago, Ill., a corporation of Delaware
Application May 23, 1931, Serial No. 539,449
4 Claims. (Cl. 251—44)



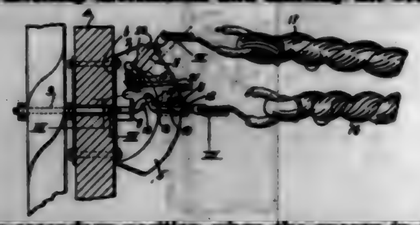
2. In a valve, a seat, a head for coaction with the seat, a stem on which the head is mounted, the mounting permitting the head to shift laterally with respect to the stem into concentric relation with the seat when the head is moved into engagement with the seat, and comprising means for preventing the head from turning with respect to the stem, said last mentioned means also serving in cooperation with coacting surfaces of the head and stem to prevent the head from tilting with respect to the stem.

2,028,245
RELAY MOTOR
Leland E. Reid, South Pasadena, Calif.
Application February 5, 1932, Serial No. 591,128
22 Claims. (Cl. 185—37)

2. A relay motor having a driven member, a driving member therefor, torsion means extending from said driving member, a second driving member, torsion means extending from said second driving member, a transversely movable carriage supporting said driving members, means for guiding said carriage to move in a direction transverse to the direction in which said torsion means extend, and automatic means for moving the carriage to shift the drive from the first-named driving member to the second-named driving member when the torsion means for the first driving member is exhausted.

16. In a relay motor, the combination of a frame, a driven shaft rotatably mounted in the frame, a sector pivotally mounted on the said frame on an axis substantially in alignment with the driven shaft, a primary driving shaft mounted on the said sector, a secondary driving shaft rotatably mounted on the sector, said driven shaft having a crank and said driving shafts having cranks, respectively, capable of engaging the shaft of the driven shaft for rotating the same, torsion members corresponding to the driving shafts capable of being twisted to store up energy in the same, latching mechanism for normally

latching the sector in a primary position with the primary driving shaft in alignment with the driven shaft, and automatic means for releasing the latching mechanism and shifting the sector

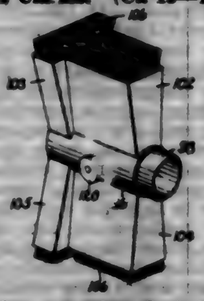


to a secondary position when the energy in the primary torsion member is exhausted, and thereby aligning the secondary driving shaft with the driven shaft to continue driving the same.

2,028,846
CELLULOSE PULP FOR ESTERIFICATION PURPOSES AND PROCESSING OF SAME
George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application June 22, 1931, Serial No. 546,151
2 Claims. (Cl. 260—196)

1. A process which comprises suspending preliberated hardwood pulp in a mercerising liquor containing an oxidant for about two to eight hours or more, washing the mercerized pulp free from mercerising liquor, treating the washed pulp with caustic soda to form soda cellulose, and treating the soda cellulose without ageing with carbon bisulphide to form viscose.

2,028,847
DUST REMOVING DEVICE
Fred Richa and Charles Turner Jones, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application June 6, 1933, Serial No. 674,565. Divided and this application July 10, 1933, Serial No. 679,696. In Great Britain June 30, 1932
2 Claims. (Cl. 15—158)



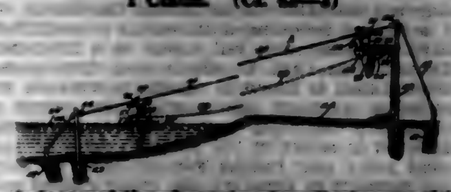
1. A tool for removing dust from shoes comprising a tubular suction duct having an inlet opening in its wall, a head having a cylindrical portion whereby the head is mounted for rotary movement upon said duct and having also two hollow extensions the outer ends of which extensions are open and the inner ends of which are adapted to communicate, one at a time, with the inlet opening in said suction duct, the cylindrical portion of said head being positioned between said extensions and operating to close said air inlet opening when neither extension is in operative position, cleaning means mounted at the outer ends of said extensions and means for locking said head alternatively in positions such that the desired one of said extensions communicates with said inlet opening and also in an inoperative position in which the cylindrical portion of the head closes the inlet opening.

2,028,848
PERFORATOR
Edwin S. Rascoe, Rochester, N. Y., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y., a corporation of New York
Application August 25, 1933, Serial No. 686,787
13 Claims. (Cl. 164—91)



1. In a device of the class described in combination, a pair of spaced supports, a shaft eccentrically mounted in said supports, a reciprocating part actuated by said shaft, a torsion spring having one end actuated by the rotation of said shaft and having its other end moving with said reciprocating part.

2,028,849
FLYING DECOY
William Thomas Gray, Fulda, Ill.
Application April 2, 1935, Serial No. 14,319
1 Claim. (Cl. 43—3)



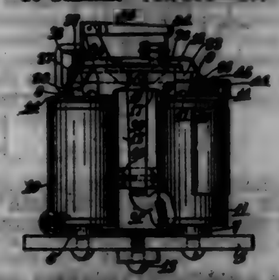
A decoy of the character described, comprising a body having a head, wing sections, means swingingly and detachably connecting the wing sections to the body, suspension means connected with the wing sections and adapted to bring the same to flight position, means for removably mounting the suspension means and directing the body to floating position upon the water and means for returning the body to shore and active for changing the position of the body to have the head in flight direction.

2,028,850
MACHINE TOOL FEED
Harry F. Vickers, Detroit, Mich.
Application May 13, 1930, Serial No. 452,845
Renewed December 6, 1935
8 Claims. (Cl. 60—52)



1. In a machine tool, a stationary frame, a movable carriage on the frame, a cylinder and piston mechanism for operating the carriage on the frame, a variable reversible pump for supplying operating fluid to said mechanism, the pump including a rotating cylinder and piston assembly, and ring surrounding the said assembly and cooperating with the pistons of said assembly, the ring being shiftable to vary the stroke of the pistons and to change the direction of flow through the pump, and means controlling operation of the pump, including a shiftable actuating member mechanically connected with said rings, control means engaging said actuating member to operate it, the control means being carried by the movable carriage, and means whereby said control means may be manually operated and held stationary.

2,028,851
TELEPHONE PAY STATION APPARATUS
William J. Vincent, Rochester, N. Y., assignor to Rochester Telephone Corporation, Rochester, N. Y., a corporation of New York
Application October 23, 1934, Serial No. 749,371
10 Claims. (Cl. 194—16)



1. In a coin collecting device, a polarized electro-magnetic unit having an armature movable in one direction in response to operating current of one polarity and movable in the other direction in response to current of the opposite polarity, and means normally locking said armature against movement in one direction, said means being unlocked and said armature being moved by the energization of said electromagnet in response to current of one polarity.

2,028,852
DOOR LOCKING MEANS
Charles H. Vincent, Utica, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 30, 1934, Serial No. 718,142
11 Claims. (Cl. 70—30)



1. A construction for motor vehicles comprising two or more doors, means for locking simultaneously said doors, means accessible only from inside the vehicle when the vehicle is closed for operating the locking means to lock and unlock the doors, means accessible from outside the vehicle when the vehicle is closed for operating the locking means to lock and unlock the doors, and mechanism to prevent the first means from being operated to unlock the doors when the second means is in locking position.

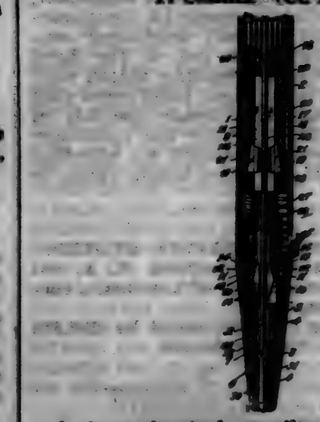
2,028,853
METHOD OF FORMING THIN METALLIC FILMS BY CATHODE DISINTEGRATION
Julius von Bonse, Ehrenberg, Baltic, and Kurt Richter, Leipzig, Germany, assignors to La Dispersion Cathodique, Brussels, Belgium, a corporation of Belgium
No Drawing. Application April 12, 1932, Serial No. 604,598. In Germany February 9, 1931
2 Claims. (Cl. 91—70.1)

1. A process for accelerating the cathodic disintegration of metallic electrodes in a vacuum for deposition upon an article to be coated without excessive heating of the article, which consists in adjusting the size of the electrodes so that the greatest cross-sectional dimension of said electrodes is from three-tenths of to approximately equal to the mean free path of the atoms formed by disintegration of the cathode.

2,028,854
SOUND RECORD
Samuel Whyte, Redhill, Surrey, England, assignor to Electric and Musical Industries Limited, Middlesex, England, a company of Great Britain
No Drawing. Application August 22, 1931, Serial No. 558,828. In Great Britain August 26, 1930
5 Claims. (Cl. 154—43)

1. Sound record material comprising a phenol condensation product having a soft water soluble soap incorporated therein.

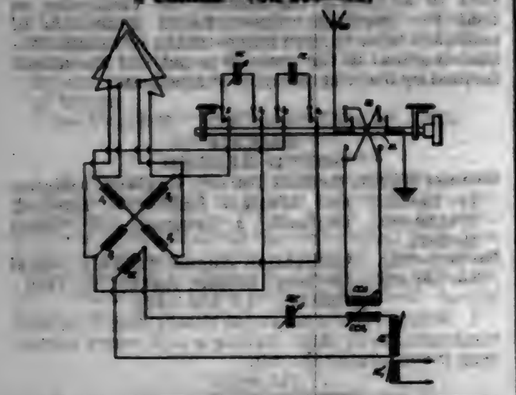
2,028,855
MECHANICAL PENCIL
Arthur Winter, Weehawken, N. J.
Application September 12, 1934, Serial No. 743,873
17 Claims. (Cl. 120—17)



1. A mechanical pencil comprising telescopically associated inner and outer tubular sections, a slotted lead holding tube mounted for longitudinal movement in opposite directions in said outer tube, a clutch on and slidable longitudinally of said tube and having jaws passing through the slots therein to engage a lead in the tube, an operative connection between said inner section and said clutch to cause engagement and disengagement of said jaws with a lead in said tube

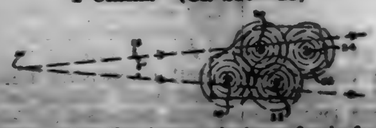
upon movement of said inner section into said outer section and retraction of said inner section respectively, whereby said lead is slid through said tube by said clutch toward projected position from said outer section and released by said clutch upon movements of the clutch in opposite directions respectively, said tube and said outer section, having cooperating parts one of which is operatively connected to said inner section to grip and hold said lead in projected position upon retraction of said inner section and to release said lead upon movement of the inner section into the outer section.

2,028,858
RADIO DIRECTION FINDER
Fred Weeks, Richmond, England, assignor to Radio Corporation of America, a corporation of Delaware
Application April 8, 1931, Serial No. 528,472
In Great Britain April 8, 1930
4 Claims. (Cl. 250—11)



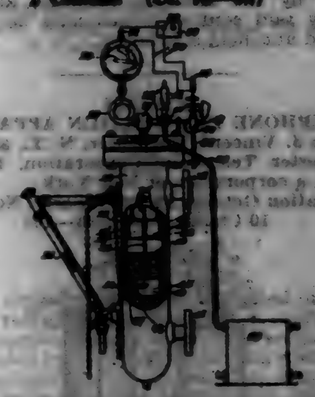
1. A direction finding installation comprising a pair of mutually perpendicular fixed frames, a radio goniometer having mutually perpendicular fixed coils associated each with one of said fixed frames, a search coil connected in a circuit including a tuning condenser, a variable condenser, a fixed condenser, switching means for simultaneously connecting said two last mentioned condensers each in shunt with one of the fixed frames, an open aerial, a reversing switch connecting said open aerial in one or other sense with the search coil circuit, and means operable in common for actuating together the condenser switches and the reversing switch for effecting the change over from one wave length range to the other.

2,028,537
ELECTRICAL COMMUNICATION SYSTEM
Vladimir K. Zworykin, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 27, 1932, Serial No. 595,483
1 Claim. (Cl. 250—15)



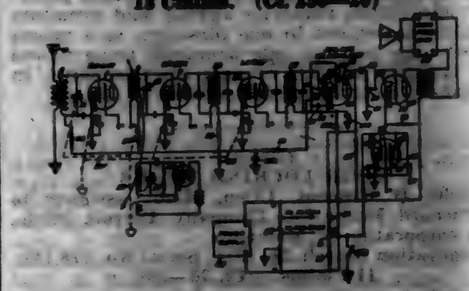
A system for the transmission of wireless signals comprising in combination a directive high frequency transmitting station, a plurality of distant directive receiving stations disposed in the path of propagation of the signals, a plurality of non-directive substantially vertical re-radiating tuned antennæ, one for each of the receiving stations, and non-amplifying energy-transfer connections between each one of the directive receiving stations and its associated non-directive re-radiating antenna, whereby the service area of the transmitting station may be increased.

2,028,565
WATER COLUMN DISPLACEMENT WEIGHT
Alfred L. Aicher, Philadelphia, Pa., assignor to Yarnall-Waring Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 22, 1932, Serial No. 624,114
2 Claims. (Cl. 73—32)



1. In mechanism of the character indicated, a solid weight unit including an iron shell and an interior filling therein of aluminum.

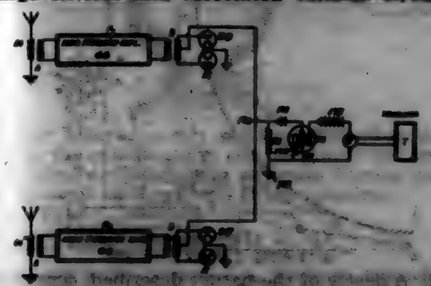
2,028,580
RADIORECEIVER
Loy E. Barton, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 25, 1933, Serial No. 699,611
13 Claims. (Cl. 250—20)



1. In a radio receiver having a signal channel, an electric discharge tube in said signal channel, said tube having a cathode, an anode and a control grid, and a control tube having a cathode-anode space discharge path, said control tube being connected with said space discharge path common to the anode and control grid circuits of said electric discharge tube whereby it functions as a self-biasing resistor for said control grid.

2,028,969
RECEIVING SYSTEM
Harold H. Beverage, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 8, 1930, Serial No. 494,615
Renewed May 24, 1933
2 Claims. (Cl. 250—8)

1. A receiving system for extremely high frequency signals of the order of 30,000,000 cycles per second transmitted at a plurality of frequencies comprising a plurality of geographically spaced antennæ, a radio frequency amplifier coupled to each of the antennæ and each tuned to a different one of the transmitted frequencies, each of said amplifiers comprising a plurality of stages having individual screen grid electron discharge devices and associated tunable circuits,



each of said tunable circuits including an inductance coil and a tuning condenser, the inductance coil being grounded at one end through a by-pass condenser and the tuning condenser being separately grounded, full wave rectifiers coupled to each of said radio frequency amplifiers, circuit means including a relay to combine the rectified energies, and translating means responsive to the combined energy.

2,028,991
APPARATUS FOR TREATING REELCLES
Tom Conrad Ekeblad, Alsten, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application January 5, 1931, Serial No. 508,383
In Germany April 12, 1928
8 Claims. (Cl. 215—36)



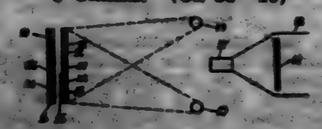
1. In a device of the character set forth, a coupling comprising a body portion and a plurality of flanges on said body portion, one of said flanges being dished and resilient and adapted to snap into contact with the other of said flanges, said flanges providing a space between them.

2,029,003
METHOD OF PRODUCING COMPOSITE PICTURES
Conrad G. Brisé, Chicago, Ill., assignor to Cinema Development Company, Chicago, Ill., a corporation of Illinois
Application October 12, 1931, Serial No. 568,284
11 Claims. (Cl. 88—16)



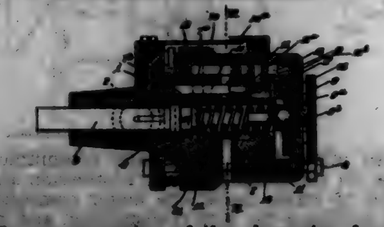
1. The method of producing a composite photograph of the images on two component film transparencies which includes making the images on both transparencies substantially opaque to but reflective of light to show the image details, superposing the two transparencies and illuminating the images by reflected light, and exposing a fresh actinic surface to both images so illuminated and superposed.

2,028,362
METHOD OF PRODUCING COMPOSITE PICTURES
Conrad G. Brisé, Chicago, Ill., assignor to Cinema Development Company, Chicago, Ill., a corporation of Illinois
Application October 12, 1931, Serial No. 568,285
5 Claims. (Cl. 88—16)



4. The method of producing a composite photograph of two or more component parts which includes making transparencies, each transparency having a photographic image of one of said components, providing substantially opaque but light reflective backings for said images, superposing said transparencies and illuminating the images by reflected light, and exposing a fresh actinic surface to the images.

2,028,564
PUMP
Robert de Steuts, Zurich, Switzerland
Application April 7, 1934, Serial No. 719,506
In Switzerland April 13, 1933
4 Claims. (Cl. 103—163)

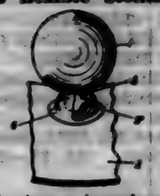


1. In an apparatus of the character described the combination of a working head with a plane working face having arcuate suction and pressure channels, a cup-shaped housing, a cylinder block rotatable in the housing and having a plurality of cylinders arranged for communication with said channels in the rotation of said cylinder block, pistons for said cylinders, means for reciprocating said pistons in the rotation of said cylinder block, a spring arranged between said cylinder block and the closed end of the housing to press the cylinder block against the working face of the working head, a clearance being provided between the open end of the housing and the working head, tension means taking up the reaction of said spring and limiting the clearance between the housing and the working head with capacity for limited tilting movement of the housing with respect to the working head.

2,028,865
MASSAGING DEVICE
Florence D. Forsyth, Athens, Ohio, and Donald A. Nevin, Waynesboro, Pa.
Application March 3, 1933, Serial No. 659,136
1 Claim. (Cl. 128—62)

In a massaging device, a belt formed of flexible material, a rectangular plate, there being a slot at each end of said plate which fits said belt

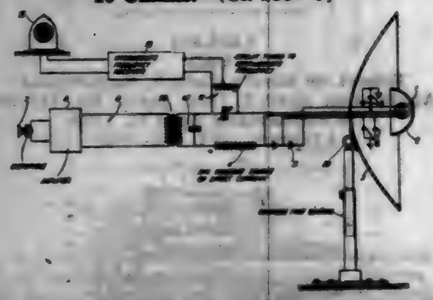
whereby the plate may be detachably secured to the belt, said plate having a plurality of sockets formed thereon, there being a central opening in said socket, a plurality of rubber balls having relatively short flexible stems formed integral



therewith, said stems terminating in a ball of larger diameter than the opening of said socket and adapted to be compressed to enter said socket whereby both a full planetary as well as axial movement of the ball will take place when in use

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2,028,866
ULTRA SHORT WAVE COMMUNICATION SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 2, 1933, Serial No. 673,974
10 Claims. (Cl. 250—9)



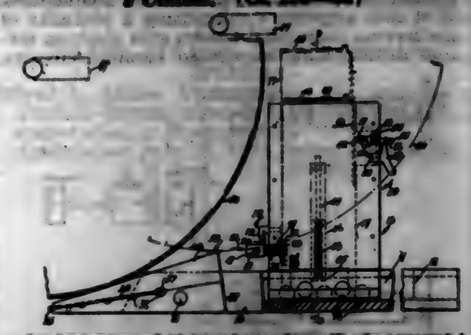
5. An ultra short wave radio communication system for the simultaneous transmission and reception of waves below one meter comprising a single oscillator for both transmission and reception, a reflector, said oscillator being at the focus of said reflector, and feed leads having standing waves thereon extending along the focal line of said reflector from the electrodes of said oscillator to energy supply means.

2,028,867
SHEARS AND SCISSORS
William H. Holden, Boise, Idaho
Application May 10, 1935, Serial No. 20,749
1 Claim. (Cl. 30—13)



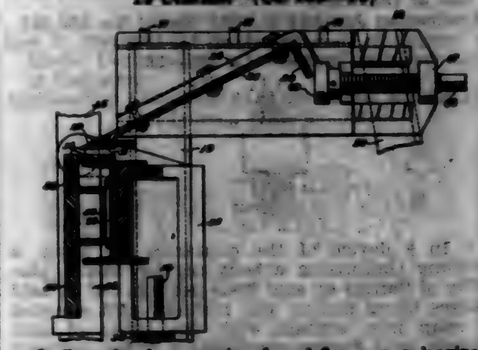
A pair of shears having two blades, a pivot member pivotally connecting the two blades together, said blades having a limited amount of play on said pivot member so that one blade may tip sidewise or endwise with respect to the other, means cooperating with said pivot member to yieldingly oppose said tipping movement and to urge said blades together, and spring means interposed between said blades between the pivotal connection of the blades and the handle ends thereof adapted to tip the cutting edges of said blades sidewise and endwise toward each other against the opposition of said first named means.

2,028,868
JACK
Joaquim S. Jardim, New York, N. Y.
Application September 21, 1933, Serial No. 690,344
9 Claims. (Cl. 254—95)



1. A device of the nature described, comprising a base, a casing operatively mounted on the base, a spring pressed vehicle supporting member vertically slidable in the casing, means for latching the vehicle supporting member in lowered position, an obstruction extending from the said latching means for releasing same, and a ramp operatively associated with the base for the purpose specified.

2,028,869
BENDING BRAKE
John Jensen, Rockford, Ill., assignor to Whitney Metal Tool Company, Rockford, Ill., a corporation of Illinois
Application January 5, 1933, Serial No. 650,215
18 Claims. (Cl. 153—16)



3. In a brake, a pair of end frames, a horizontally disposed platen supported between said frames, a bed positioned below said platen and guided for vertical movement by said end frames, a lever pivoted on each end frame, a link depending from said lever, and a pin projecting horizontally from each end of said bed, said link having a plurality of spaced holes adapted to receive said pin to support said bed in various vertical positions.

2,028,870
SALT SHAKER OR THE LIKE
James W. Jennings, Providence, R. I.
Application August 24, 1933, Serial No. 686,617
1 Claim. (Cl. 65—45)

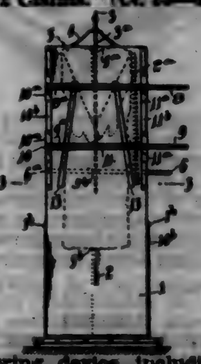
A shaker comprising a base and a condiment container of vitreous material having an open lower end detachably secured to said base and normally disposed in upright position above the base, said container having a top with a plurality of sifting openings therein, each of said openings having the major portion thereof approximately

frustro-conical and tapering to a relatively small cylindrical outer end portion of less than one-half the length of the opening and of appreciably smaller diameter than the inner end of the open-



ing, the tapered major portion preventing clogging of the condiment in the container, the openings being arranged with the axes thereof passing through the open end of the container.

2,028,871
MEASURING DEVICE
Howard Addison Johnston, Toronto, Ontario, Canada
Application November 6, 1934, Serial No. 752,222
12 Claims. (Cl. 33—8)



7. A measuring device including a base; a board pivoted intermediate its ends on the base and provided with a graduated scale for measuring the length of a garment; and garment carrying means movable relative to the board and the scale whereby the neck of the garment may be positioned at a predetermined point on the scale.

2,028,872
PILE FABRIC
William D. Kellogg, Amsterdam, N. Y., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a corporation of New York
Application January 11, 1934, Serial No. 706,606
3 Claims. (Cl. 112—1)



1. A pile fabric which comprises a self-sustaining, preformed base fabric consisting of interwoven warp and weft threads and pile yarns extending generally lengthwise of the base and having minor portions extending along and exposed on the under surface of the base and major portions extending through the base and beyond the face thereof to form a pile surface, each yarn being colored in unit lengths, each unit length being equal to the distance along the yarn from the midpoint of a minor portion to the mid-point of the next adjacent major portion and each yarn having each end of each unit length thereof coinciding with one of said mid-points, said yarns changing color only at mid-points and at mid-points of both major and minor portions and a binding layer on the under surface of said base and said minor portions of pile yarn.

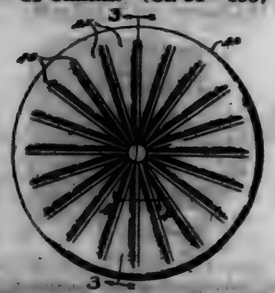
3. A method of producing a fabric having a pile surface which comprises applying colors in spots on pile yarns, the colors and their locations on the yarns being selected in accordance with the pattern to appear on said pile surface and said colors being applied in unit lengths, each of which is equal to half the length of that portion of said yarn which is to form a single pile tuft in said surface, inserting loops of said colored yarns in a base fabric from the back thereof with a major portion of each loop exposed at the face of the base and a minor portion extending along and in contact with the back of the base, said yarn loops being so inserted that said colored portions terminate only at the mid-points of the major and minor portions of said loops, said yarns changing color at the mid-points of both major and minor portions, and applying a coating of binding material to cover the back of the base and said minor portions of the loops.

2,028,873
ELECTRICAL TRANSLATION DEVICE
James M. Kendall, Woodbury Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 6, 1931, Serial No. 555,396
8 Claims. (Cl. 179—100.41)



8. Phonograph pick-up mechanism having a pair of magnetised pole pieces each having an upper and a lower portion, a pick-up coil spool mounted between the upper and lower portions of said pole pieces, and an armature mounted in the center of said spool, characterised by said spool being slidably mounted for adjustment on said pole pieces.

2,028,874
SANDING DEVICE
Paul H. Kramer and Jesse C. Thompson, Detroit, Mich., assignors to Park Chemical Company, a corporation of Michigan
Application March 16, 1934, Serial No. 715,787
11 Claims. (Cl. 51—195)



3. A sanding device adapted to be employed in conjunction with a mobile abrasive composition

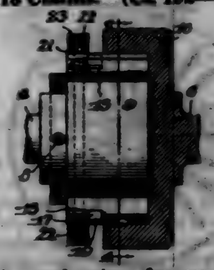
and comprising a disk-like pad, and means for rotating said pad, said pad being provided with corrugations on its working surface and arranged substantially radially of said disk-like pad, said corrugations terminating inwardly of the periphery of said pad.

2,028,575
DOUBLING SPINDLE
Gempei Kawada, Maedani-Mura, Kawabe-Gun, Japan
Application August 12, 1934, Serial No. 740,838
In Japan May 5, 1934
2 Claims. (Cl. 242—46.3)



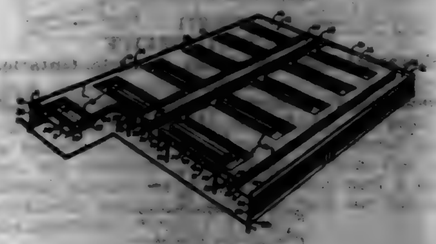
1. In a doubling spindle, a spindle wharve having a cylindrical top portion, the outer periphery of said top portion having projections formed with vertical sides, a bobbin having a recessed base portion fitting over said top portion, and a ring fitting in the recess of the base portion, the inner periphery of said ring also having projections formed with vertical sides whereby grooves are formed in the inner periphery of said ring between the projections thereon, the projections on the periphery of the top portion of the wharve and the projections on the inner periphery of the ring fitting respectively into the grooves formed between the projections on the ring and the projections on the wharve, the spaces between the projections on the wharve and the projections on the ring being greater circumferentially than the circumferential dimension of the projections on the ring and wharve respectively, whereby the wharve and bobbin may have a limited circumferential movement relative to one another.

2,028,576
CLUTCH MECHANISM
Delbert L. Lotts, Chicago, Ill.
Application November 16, 1933, Serial No. 642,844
18 Claims. (Cl. 192—48)



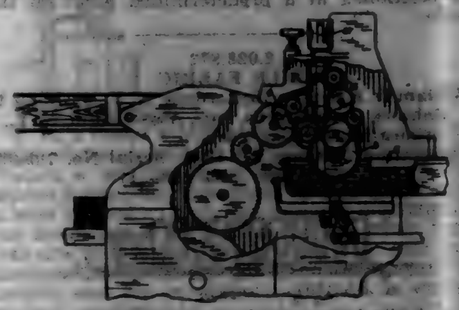
1. A clutch mechanism for connecting a drive shaft and a driven shaft, comprising a driving member, a driven member radially spaced from the driving member, and rollers in the space between said members, some of said rollers being cylindrical, and at least one of said rollers being non-circular in cross-section, and means for rotating said non-circular roller in one direction to cause it to lock the driving member and driven member for rotation together in one direction and for rotating said non-circular roller in the other direction to cause it to lock said members for rotation together in the opposite direction.

2,028,577
ROOF STRUCTURE
Oscar H. Pocock, Ferndale, and Louis Rossetti, Detroit, Mich.
Application October 11, 1933, Serial No. 693,338
13 Claims. (Cl. 98—39)



12. A roof structure comprising a substantially level main roof, a monitor extending longitudinally in a plurality of directions thereon, and intermediate monitors spaced between portions of the monitor, said monitors having roofs spaced at different elevations above the main roof.

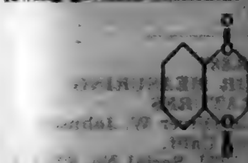
2,028,578
ADHESIVE APPLYING MECHANISM
Ernest G. Rider, Philadelphia, Pa., assignor to Stokes and Smith Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 11, 1931, Serial No. 574,343
1 Claim. (Cl. 91—48)



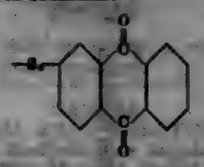
An adhesive-applying mechanism comprising a roller for applying a coating of adhesive to box wrappers, a reservoir for adhesive, a stationary pump casing normally dipping into adhesive in said reservoir and having an outlet discharging adhesive to said roller for application to said wrappers, and means for changing the position of the reservoir to permit cleaning fluid to be passed through said casing without ejection of adhesive in said reservoir.

2,028,579
PREPARATION OF ALIZARIN AND ITS SALTS
Donald G. Rogers, Ridgewood, N. J., assignor to National Aniline and Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application October 24, 1934, Serial No. 749,765
7 Claims. (Cl. 260—56)

1. The process of preparing alizarin, which comprises subjecting a substance having the following general formula:

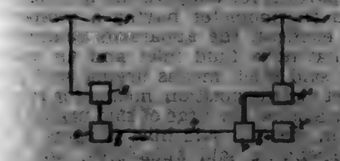


wherein X denotes a mercapto group, a sulfinic acid group, or a thioanthraquinonyl group of the following general formula:



where *n* stands for a number having a value of 2 or more, to the action of caustic alkali in the presence of an oxidizing agent.

2,028,580
RADIO TRANSMISSION SYSTEM
Wilhelm Runge and Max Pobanisch, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 27, 1933, Serial No. 673,168
In Germany June 16, 1932
1 Claim. (Cl. 250—2)



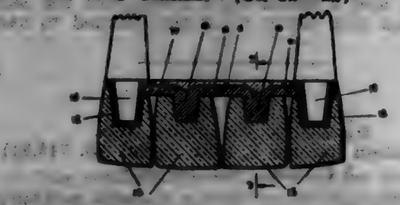
In a radio signaling broadcasting system having a master radio transmitting station and a remote radio transmitting station connected thereto by a transmission line, the method of synchronizing the frequency produced at said remote station which comprises generating a carrier wave at said master station, obtaining from said carrier a sub-harmonic frequency, transmitting said sub-harmonic frequency over said line to said remote transmitting station, locally generating at said remote transmitting station a carrier whose frequency approximates that of the carrier generated at said master station, obtaining from said local carrier at said remote station a sub-harmonic similar to that received from said master station, comparing the phase relations of both said sub-harmonics and controlling the frequency of said locally generated carrier from the difference in phase existing between said two sub-harmonic frequencies.

2,028,581
EXPANSION DEVICE
Gabriel R. Rohmer Balch, New York, N. Y.
Application May 11, 1933, Serial No. 670,971
10 Claims. (Cl. 72—105)



5. In an expansion device composed of a hard material pressure member and a soft material expansible member adapted to be subjected to pressure by said pressure member, for deforming it, a reinforcing member embedded within the expansible member and forming an integral part of the expansible member, whereby the reinforcing member is inclosed within the expansible member, said expansible member being acted upon by the pressure applied to the expansible member when the pressure member exerts its pressure upon the expansible member, said expansible member surrounding said reinforcing member in an integral manner before and after said pressure is applied to the expansible member.

2,028,582
DENTAL RESTORATION
Otto Swan and Franz Pollitzer, New York, N. Y.
Application January 22, 1934, Serial No. 707,629
9 Claims. (Cl. 32—12)



1. An anterior dental restoration comprising a metallic shell adapted to be secured to a tooth stump, a tooth jacket mounted upon said shell, a metallic tooth supporting member extending from and integral with said shell, a tooth jacket secured to said member and formed to cover three sides thereof and a pre-formed non-metallic veneer secured to the surface of the member which is not covered by said last named tooth jacket.

2,028,583
MOP
Edward H. Tate, Malden, Mass.
Application April 14, 1933, Serial No. 666,139
4 Claims. (Cl. 15—147)



1. A mop having a handle, a pair of brackets projecting laterally and downwardly from said handle, a reinforcing member extending across the end of said handle and secured to both said

brackets, a rod having its ends permanently and rigidly secured to respective end portions of said brackets, and a cleaning element loosely mounted on said rod between said brackets to revolve thereon.

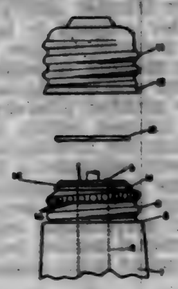
2,928,884

LAMP, TUBE, AND SIMILAR DEVICES

Ralph B. Thomas, Salem, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application June 21, 1934, Serial No. 731,581

7 Claims. (Cl. 176—32)



1. In combination, a lamp or similar device having a screw-threaded base portion, a plurality of grooves distributed around the periphery of said base, a metal ring surrounding said base and having portions extending into said grooves, and a metal shell fitted over the said base, said ring being integrally bonded to said shell.

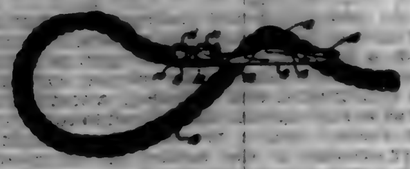
1,928,885

ROPE LOCK

Ira Ulfers, Milwaukee, Wis.

Application October 5, 1934, Serial No. 746,941

5 Claims. (Cl. 24—129)



1. A rope lock, comprising a frame having an elongated opening therein, the frame being formed with angularly directed tapered recesses at opposite ends of the opening for receiving angularly extended portions of a rope projected thru the opening of the frame, and means carried by a side portion of the frame for engaging an intermediate portion of the rope and holding it laterally of said angularly extended rope portions.

1,928,886

POLYMERIZATION OF UNSATURATED HYDROCARBONS

Cary R. Wagner, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application January 19, 1929, Serial No. 333,756

19 Claims. (Cl. 196—10)

1. A continuous non-catalytic process of manufacturing gasoline-like hydrocarbons from unsaturated hydrocarbons of the ethylene series, which consists in passing gases having an ethylenic content sufficiently high to produce an exothermic reaction when subjected to the condition of temperature and pressure herein specified through a reaction zone wherein the gases are at reacting temperatures of the order of from 650° F. to 1000° F. and superatmospheric pressures varying between 300 to 1500 pounds per square inch, and in regulating the time of residence of said gases in said zone under the conditions specified to convert a substantial percentage of the gases into gasoline-like aromatic hydrocarbons.

1,928,887

APPARATUS FOR MEASURING TEMPERATURES

Philip S. Williams and Oliver W. Johnson, Palo Alto, Calif.

Application August 17, 1932, Serial No. 629,171

Renewed July 3, 1933

10 Claims. (Cl. 73—67)



9. An apparatus for temperature determination including a thermometer having a temperature responsive element, the apparatus comprising a container having a fluid inlet and an outlet, a closure for said inlet, means urging said closure into an inlet closing position, means for retaining said closure against the urge of said urging means in a position wherein said inlet is open, a member for suspending said apparatus, and means responsive to a jerk on said member for releasing said retaining means to permit said urging means to move said closure to close said inlet and trap a body of fluid in said container.

1,928,888

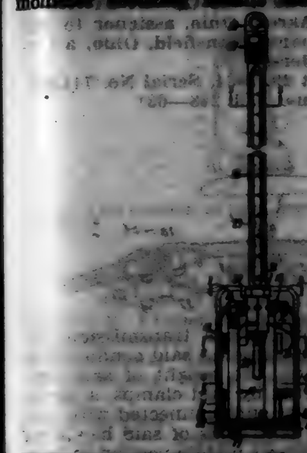
APPARATUS FOR MEASURING TEMPERATURES

Philip S. Williams, Oakland, Calif.

Application July 8, 1925, Serial No. 38,479

5 Claims. (Cl. 73—52)

8. In an apparatus of the class described, a first member, a second member, means securing said members together in an overlying but spaced relation, a shell positioned about said members and said means and cooperating therewith to provide a container opened and closed by relative movement of said shell to said members and said means, a thermometer shell extended through said second member, means for securing said thermometer shell to said second member, and a toggle spring operatively engaged on said thermometer securing means and on said shell to maintain said shell in either a container open or a container closed position.



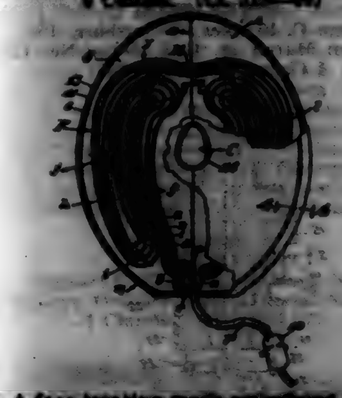
1,928,889

ELECTRICAL FACE TREATING MASK

Joseph S. Baddour, Los Angeles, Calif.

Application May 18, 1932, Serial No. 727,261

6 Claims. (Cl. 219—46)



1. A face treating mask embodying a substantially bowl shaped face covering portion, an apron portion depending therefrom adapted to overlie the throat, and an electrical heating element carried by said mask comprising a plurality of electrical conductors leading back and forth over the cheek portion of the mask forming spaced groups of conductors, and a plurality of conductors leading across the forehead portion of the mask and electrically connecting said groups of conductors, and conductors connecting said groups of conductors to a source of electrical current supply leading over the apron portion, said heating element embodying spaced portions arranged on opposite sides of and spaced from the vertical center of the mask.

1,928,890

RIVETING MOUSE

Andrew D. Baker, Seattle, Wash., assignor to Boeing Airplane Company, Seattle, Wash., a corporation of Washington

Application December 5, 1933, Serial No. 700,679

3 Claims. (Cl. 78—48)

1. A riveting mouse comprising a rod, a member secured on one end thereof and extending along the rod, and having two parallel inclined surfaces one at each end thereof and regularly spaced inclined surfaces disposed intermediately between and parallel to said end surfaces, a complemental member straddling the rod and having parallel inclined surfaces, one at each end thereof and intermediate surfaces, complemental to



and engaged with those of said first member, a coil spring surrounding the rod for urging said complemental surfaces on the two members together to expand said members laterally, and stop means for limiting the relative expanding movement of said two members to keep the complemental surfaces in contact.

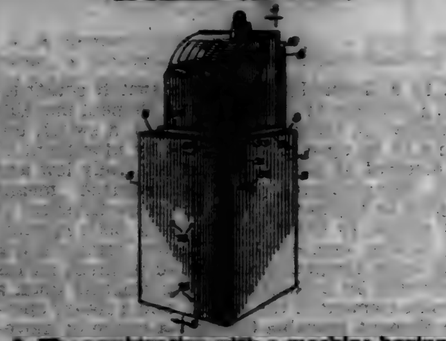
2,928,891

MACHINE STAND AND CABINET

James E. Bales, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois

Application April 12, 1934, Serial No. 720,187

11 Claims. (Cl. 189—1)



3. The combination with a machine having an operating member, a housing therefor, means for supporting the machine in operative position outside of said housing, manually operable control means, and mechanism operated by said control means for causing said machine to move into tamper-resisting position within said housing, and means for locking said machine in such position comprising a door member which follows the movement of the machine and a lock therefor.

2,928,892

TYPE CLAMP

Charles J. Bock, Philadelphia, Pa.

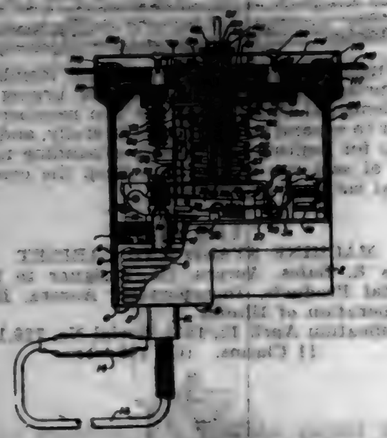
Original application October 24, 1929, Serial No. 402,054. Divided and this application March 7, 1934, Serial No. 714,515

5 Claims. (Cl. 101—331)



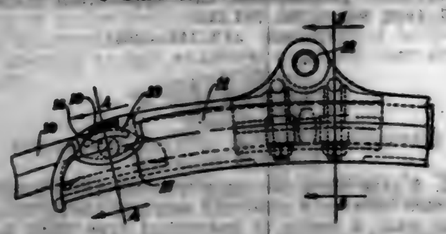
1. A type block having a type-receiving groove formed between a rigid wall and a relatively movable wall, a series of individual type slugs independently slidable to different positions in and along said groove, and means at predetermined relatively closely spaced points longitudinally of said groove for flexing the movable wall toward the rigid wall to clamp said type slugs therebetween.

2,028,295
MEANS AND METHOD FOR CONTROLLING REFRIGERATOR TEMPERATURE
Carlton W. Sensenand, Cleveland, Ohio, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 4, 1933, Serial No. 693,169
15 Claims. (Cl. 200—81)



1. In a thermally actuatable switch construction, a thermostat comprising an element movable responsive to temperature changes, a switch operable to be opened and closed by movement of the element at predetermined relatively low and high temperatures, and adjustment means adapted to adjustably vary the responsiveness of said switch to effect concurrently both opening and closing operations at higher temperatures or at lower temperatures, the adjustment means comprising an adjustable spring reacting upon a movable element of the switch, and a rotary operable element movable through a range of movement, a threaded element rotatable by the operable element, a second threaded element meshed therewith movable thereby to adjust the spring tension upon rotary movement in one direction, and a cam rotatable by the rotatable element having a cam follower adapted to adjust the spring tension upon rotary movement in the other direction.

2,028,294
CONDUCTOR CLAMP
Floyd G. Bevard, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application August 28, 1934, Serial No. 741,861
9 Claims. (Cl. 248—63)



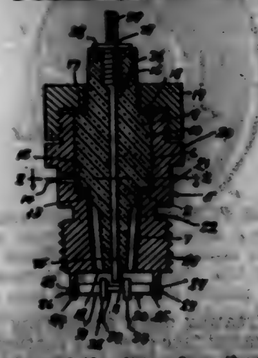
1. The combination with a conductor, of a support for said conductor, a seat for said conductor mounted on said support, and a roller bearing having relatively travelling connection with both said seat and support to facilitate longitudinal movement of said seat relative to said support.

2,028,295
SPRING SUPPORT FOR CONDUCTORS
Floyd G. Bevard, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application August 28, 1934, Serial No. 741,862
11 Claims. (Cl. 248—63)



1. The combination with a transmission line conductor, of clamps engaging said conductor at spaced points thereon, the weight of said conductor being supported by said clamps, a spring bar having its opposite ends connected with said clamps respectively, both ends of said bar being bent downwardly from its middle portion to form a bight at its middle portion, the ends of said bar being curved upwardly at opposite sides of said bight, and a horizontal pivot engaging said bight for supporting said bar.

2,028,296
SPARK PLUG
George C. Brinker, Greensburg, Pa.
Application March 23, 1935, Serial No. 12,721
1 Claim. (Cl. 123—169)



A spark plug of the type described comprising a body containing an insulator, said insulator having an electrode therein having an exposed point at the lower end thereof, said body having a slidable and rotatable shaft disposed adjacent the exposed end of the electrode, and a pair of spaced integral disks on said shaft projecting from said shaft beyond the free end of the electrode and spaced therefrom.

2,028,297
POCKET CIGARETTE MAKING MACHINE
Edward Calderio, Garfield, N. J.
Application January 28, 1934, Serial No. 708,308
11 Claims. (Cl. 131—5)

4. A cigarette making machine comprising a casing composed of two hinged sections, a roller journaled in each of said sections, an apron extending between and connected to said rollers, adapted to form a trough between said rollers, for the rolling of a cigarette, and spring tension members struck from the sides of said casing, centrally of their length, adapted to be moved into frictional engagement only with the central portion of the apron wound on said rollers to



control the tension of said apron while rolling the cigarette.

2,028,296
PROCESS FOR THE PURIFICATION OF CAUSTIC SODA SOLUTIONS
Raymon E. Vander Cook, Inkster, and Alexander M. Lawson, Trenton, Mich., assignors to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application April 27, 1935, Serial No. 18,602
13 Claims. (Cl. 23—201)

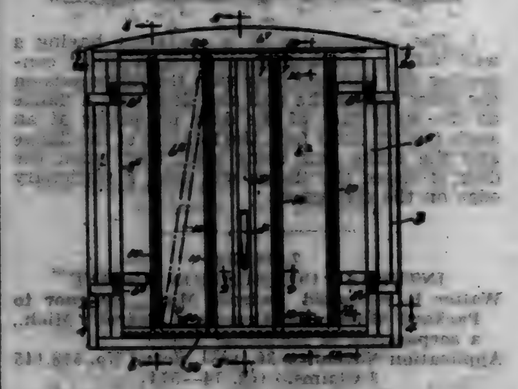
1. In the process of purifying concentrated caustic soda solutions involving the addition of sodium sulphate thereto to form a substantially insoluble complex salt with sodium chloride and caustic soda, the removal of the complex salt from the solution and the recovery of sodium sulphate therefrom; the steps to prevent an accumulation of sodium carbonate in the system, which comprise dissolving recovered sodium sulphate in water; adding sulphuric acid thereto; treating the complex salt with said solution to dissolve sodium chloride and caustic soda therefrom, leaving at least a portion of the sodium sulphate undissolved; separating the undissolved sodium sulphate from the solution; and thereafter reusing at least a portion of the recovered sodium sulphate in the process for the purification of further amounts of caustic soda solution.

2,028,330
OIL BURNER
Herbert E. Earl, Roselle Park, N. J.
Application October 2, 1931, Serial No. 691,585
7 Claims. (Cl. 158—77)



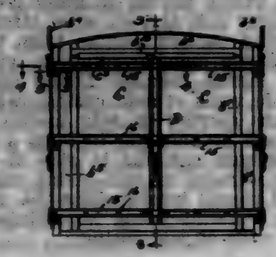
1. In a device of the class described, a casing, a hollow shaft journaled in the casing and having an intake end and a discharge end, means for rotating the shaft in one direction, a pump for fluid fuel operatively connected to the intake end and driven by the shaft, said pump constituting means for driving fluid fuel through the shaft, from the intake end to the discharge end, a tip on the discharge end and including a thimble having an outlet in its forward end, and a nozzle in the thimble and communicating with the discharge end, the nozzle having a transverse port through which the fluid fuel is discharged and caused to move forwardly, and circumferentially in the thimble in said one direction, when the shaft is rotated, and means interposed between the nozzle and the outlet of the thimble for causing the fluid fuel to move forwardly, and circumferentially in the thimble, in a direction opposite to that mentioned, while the shaft continues to rotate, and before the fluid fuel reaches the outlet of the thimble.

2,028,906
DEMOUNTABLE FREIGHT CONTAINER
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware
Application April 29, 1935, Serial No. 668,514
5 Claims. (Cl. 236—1.5)



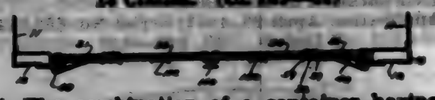
1. A demountable body having a Z-bar door frame, a downwardly facing trough secured to the outer face of the body and to the door frame above the doorway, an upwardly facing trough secured to the body below the doorway, each of said troughs extending crosswise of the doorway, a removable vertical brace bar adapted to engage an intermediate region of the outer face of a door in the doorway, said bar being seated at its upper end within the upper trough and held against lateral movement therein, the lower end of the bar being seated within the lower trough, and means in the lower trough preventing movement of the lower end of the bar.

2,028,961
DEMOUNTABLE BODY
Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware
Application May 18, 1933, Serial No. 671,717
7 Claims. (Cl. 220—1.5)



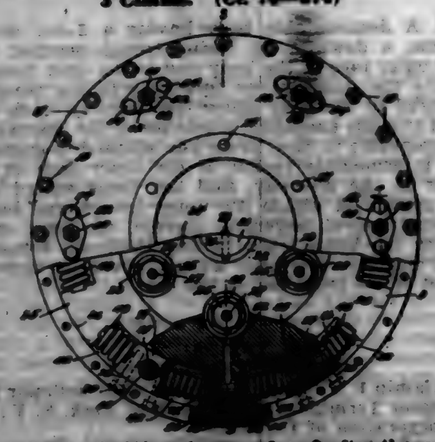
2. The combination of a demountable body having an end wall with a doorway in it materially narrower than the body and, which leaves wall portions between the outer edges of the doorway and the body sides, a pair of doors adapted to seat in the doorway hinges carried at the end corners of the body having reinforcing straps leading across the end walls and secured to the doors, and means for locking the doors to the body adjacent the inner edges of the doors, and a tension brace within the body for the end wall above the doors leading from the central region of the end wall to each of the sides.

2,068,902
REMOUNTABLE BODY
Benjamin F. Pitch, Greenwich, Conn.
Application September 13, 1933, Serial No. 689,130
10 Claims. (Cl. 189—46)



1. The combination of a container having a wall with a doorway through it, a hinge connecting the wall and door with the hinge axis on the outer side of the wall and door, and a flange on the outer face of the door projecting at an angle to such outer face, the location of the flange and the hinge axis being such that when the door is closed the flange will abut a stationary edge on the container.

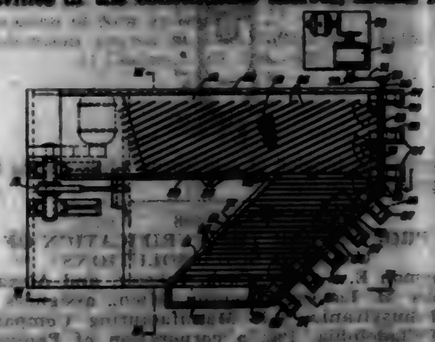
2,068,903
INTERNAL COMBUSTION ENGINE
Walter E. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 20, 1931, Serial No. 576,145
3 Claims. (Cl. 74—574)



1. In a vibration damper for shafts, the combination with a casing adapted to be secured to a shaft, said casing having an inner portion adjacent the shaft axis and an outer circumferentially extending portion remote from the shaft axis, of an inertia member rotatable within said casing, said inertia member fitting closely between the side walls of said casing, radially extending means carried by said inertia member and casing and cooperating to form a plurality of fluid chambers variable in size in response to relative movement of said casing and inertia member, and means intermediate the inner and outer portions of said casing for definitely spacing the side walls of said casing.

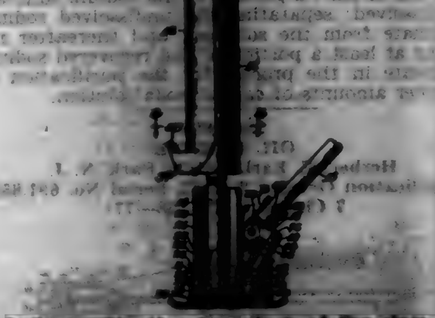
2,068,904
COAL CLEANING APPARATUS
Mack E. Haworth, Pittsburgh, Pa., assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application April 9, 1931, Serial No. 528,725
17 Claims. (Cl. 209—467)

2. A coal cleaning apparatus comprising a main perforated deck, a supplemental perforated deck branching laterally and rearwardly from one side of the forward end portion of said main deck, a plurality of spaced guiding devices on the main deck, a plurality of spaced rifles on the supplemental deck, means for stratifying the materials on said decks according to the specific gravities of the constituents thereof, means for



progressively removing the lowermost strata from the forward edges of said decks and discharging the lightest material from that end of said supplemental deck remote from said main deck.

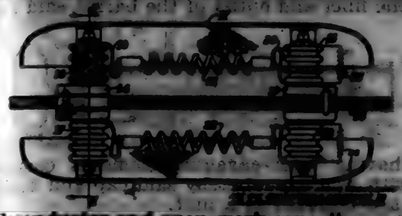
2,068,905
JACK
Gothard G. Hein, Waukesha, Wis., assignor to Hein-Werner Motor Parts Corporation, Waukesha, Wis., a corporation of Wisconsin
Application April 1, 1935, Serial No. 14,196
15 Claims. (Cl. 254—93)



9. In combination in a jack of the class described, a base, an upright reservoir cylinder supported upon said base, a plunger cylinder disposed within said reservoir cylinder and supported upon said base, a plunger operable within said plunger cylinder, a depending head structure rigidly attached to said plunger and otherwise out of contact with the remainder of the jack, said head structure being guided and supported solely by said plunger throughout its range of operation.

2,068,906
MARKER LIGHT
Ralph Higgins, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application October 10, 1932, Serial No. 637,108
11 Claims. (Cl. 177—352)

1. The combination with a high voltage transmission line conductor, of an open-work capacitance member of conducting material disposed adjacent said conductor but insulated therefrom, and a lighting element disposed at one side of said capacitance member in position to shine therethrough and electrically connected between



said conductor and open-work capacitance member and energized by charging current flowing between said conductor and capacitance member.

2,068,907
CONDENSER
Ralph Higgins, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application November 2, 1932, Serial No. 642,924
5 Claims. (Cl. 175—41)



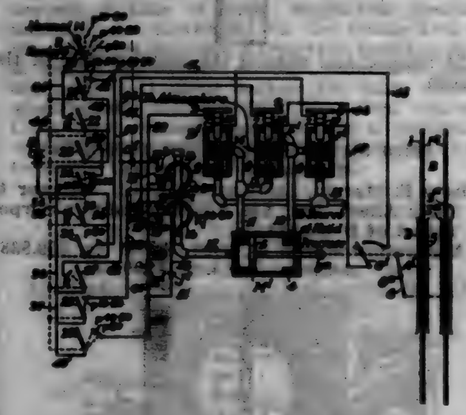
1. A condenser comprising a pair of hollow, tapered, dielectric shell members nested together one within the other, conductor elements separated by said shell members, the inner of said shell members projecting from the end of the outer shell member, a conductor element between said shell members projecting from the end of the outer shell member, and a dielectric shield surrounding the projecting portion of said conductor element.

2. In a condenser, a pair of hollow, dielectric shell members nested one within the other, a conductor element interposed between said shell members and comprising a conductor coating on the outer surface of the inner shell member, and a backwardly directed flange on said inner shell member forming a pocket receiving the terminal edge of said conductor element.

2,068,908
POLYHYDRIC ALCOHOL-POLYBASIC ACID-MONOBASIC ALIPHATIC ACID ANHYDRIDE CONDENSATION PRODUCT AND PROCESS OF MAKING THE SAME
Gilbert F. Hoffmann, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
No Drawing. Application June 26, 1929, Serial No. 373,042. Renewed May 20, 1932
11 Claims. (Cl. 260—6)

1. The process of producing a hard, soluble resin which comprises heating together a polyhydric alcohol and an anhydride of an organic dibasic acid to form a resinous material capable of further esterification, incorporating therewith an anhydride of an aliphatic monobasic acid and heating the mixture.

2,068,909
APPARATUS FOR THE CONTROL OF RAILWAY CAR RETARDERS
John W. Livingston, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application February 11, 1932, Serial No. 592,262, now Patent No. 2,022,696. Divided and this application May 2, 1935, Serial No. 19,711
6 Claims. (Cl. 303—26)

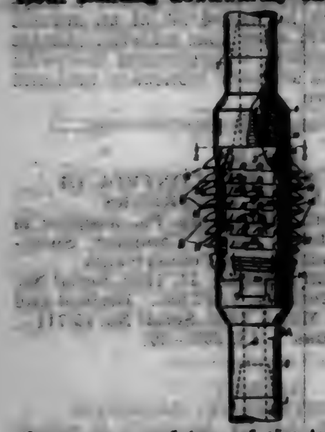


1. Apparatus for controlling the supply of fluid pressure to a car retarder actuating motor comprising an application magnet, an exhaust magnet, a normally closed contact responsive to the pressure in the application end of said motor and arranged to open at a predetermined pressure, a normally open contact responsive to the pressure in the application end of said motor and arranged to become closed at a pressure somewhat higher than said predetermined pressure, two line wires, means for reversibly supplying current to said line wires, two asymmetric units, means including one of said asymmetric units for connecting said application magnet with said two line wires, means including said normally closed contact and the remaining asymmetric unit for connecting said application magnet with said line wires, said two asymmetric units being oppositely disposed with respect to said line wires, and means including said remaining asymmetric unit and said normally open contact for connecting said exhaust magnet with said two line wires.

2,068,910
REAMER
John W. MacClatchie, Los Angeles, Calif.
Application February 3, 1934, Serial No. 709,551
14 Claims. (Cl. 255—71)

1. In a rotatable well reamer, a plurality of radially projecting cutting teeth relatively spaced around the entire circumference of the reamer, the end of each tooth which is its leading end with relation to the direction of rotation of the reamer extending below the trailing end of the next preceding tooth, and the lower faces of the

teeth slanting downwardly circumferentially of



the reamer and toward the trailing ends of the teeth.

2,028,911
PROCESS FOR MAKING TUNGSTEN CARBIDE CASTINGS
Orrin F. Marvin, Los Angeles, Calif., assignor to Mills Alloys, Inc., Los Angeles, Calif., a corporation of Delaware.
Application March 19, 1932, Serial No. 599,838
4 Claims. (Cl. 22—200)



1. The process of manufacturing thin castings made from material difficult to fuse, which comprises pouring the fluid material from which the casting is to be made, into a mold and also around the outside of the mold.

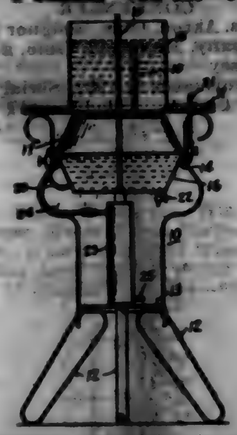
2,028,912
VISCOUS FLUID PUMP
Rudolph D. Mazlo, Ravenna, Nebr.
Application August 25, 1934, Serial No. 741,474
1 Claim. (Cl. 103—163)

In a grease pump, a barrel having its inner end permanently closed and provided at its upper side with an elongated inlet extending throughout the major portion of the length of the barrel from a point near the inner end of the barrel to a point adjacent its outer end as well as extending down at the sides of the barrel nearly to a horizontal plane touching the axis of the barrel, the outer end portion of the barrel being provided with an outlet at the lower side of the barrel diametrically opposite the said elongated inlet, a detachable cap closing the barrel at its outer end, a bushing swiveled upon said cap, a sleeve valve rotatable in the barrel and having an inlet and an outlet identical with the inlet and outlet of the barrel displaced relatively and adapted to register alternately therewith, and a piston reciprocable in the barrel and including a square piston rod slidable through said bushing but rotatably supported thereby, said sleeve valve being closed at its outer end and rotatable by said square piston rod for actuating the valve to control the inlet and outlet of the barrel, said bush-



ing having latch-engaging elements cooperating with said cap whereby said cap and bushing only are replaced as a unit.

2,028,913
AQUARIUM
Paul Neumann, Milwaukee, Wis.
Application May 27, 1933, Serial No. 673,134
4 Claims. (Cl. 119—5)



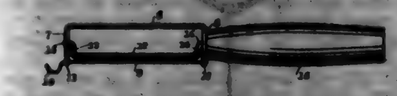
1. An aquarium comprising in combination, a frame including a plurality of legs, a fish bowl carried by the legs, a storage tank frustro-conical in shape disposed between the legs and below the fish bowl, a fountain nozzle for discharging water from the storage tank to the bowl in the form of a spray, a compressed air reservoir disposed between the legs of the frame and connected to the water storage reservoir for building up a pressure on the water to cause it to flow through the nozzle to the bowl, a frustro-conical drain receptacle disposed between the storage tank and the bowl, the frustro-conical storage tank and drain receptacle being positioned base to base to adapt them for mounting between the legs of the frame to give an appearance of symmetry, a valve control connection between the storage tank and drain receptacle to transfer water by gravity, a standpipe connecting the bowl and drain receptacle, the standpipe serving to maintain a predetermined water level in the bowl, and means for controlling the flow of air from the compressed air reservoir to the storage tank thereby to control the delivery of water to the bowl through the fountain nozzle.

2,028,914
PRODUCTION OF RESIN LIKE MATERIALS
William A. Hayes, Oshkosh, Ill., and Gilbert F. Hoffmann, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
No Drawing. Application June 27, 1929, Serial No. 374,265
7 Claims. (Cl. 260—6)

1. The method of producing a soluble resin-like material which comprises reacting upon an ester

capable of further esterification of a polyhydric alcohol and an aliphatic monobasic acid having less than five carbon atoms with an anhydride of an organic dibasic acid.

2,028,915
VEGETABLE PEELER AND SLICER
Charles J. Ott, Bellingham, Wash.
Application August 19, 1933, Serial No. 685,788
1 Claim. (Cl. 30—30)



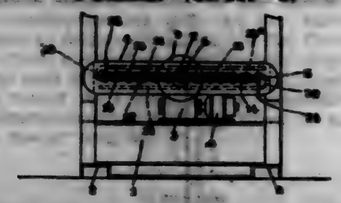
A device of the kind described including, a blade holder, a blade having a cutting edge fastened in the said holder, a gage including a gage rod having a bent-over outer end with an axle thereon and a bent-over inner end with an axle handle rod thereon mounted for oscillation in bearings in the said holder to dispose the gage rod parallel with the said cutting edge and at adjustable spaces therefrom, a handle having a longitudinal hole therethrough and a nut recess in the outer end thereof disposed with its inner end bearing on the said blade holder with the said axle handle rod extended through the longitudinal handle hole, and a nut engaged in the said handle recess and with a thread on the outer end of the said axle handle rod.

2,028,916
APPARATUS FOR LAMINATING GLASS
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application March 5, 1934, Serial No. 714,778
6 Claims. (Cl. 49—81)



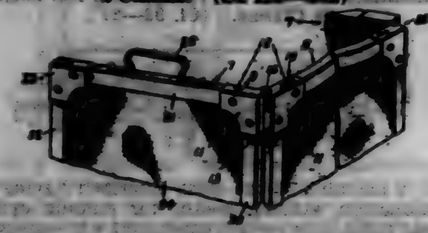
1. In apparatus for making laminated glass, a vertical tank containing a body of heated liquid, an endless conveyor movable vertically into the bath and then upward and out of the bath, a plurality of carriers for the sets of sheets to be laminated, each comprising a flat rubber container closed at its upper and lower sides and open at one end pivotally and removably connected to the carrier so that the container and the sheets therein lie in a vertical plane during their movement to and from and through the liquid, and clamping means for closing the open ends of the containers.

2,028,917
TURNOVER TABLE FOR GLASS SHEETS
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application May 15, 1935, Serial No. 21,437
4 Claims. (Cl. 214—1)



1. In combination, a turnover frame for glass sheets mounted for rotation about a horizontal axis intermediate its ends through an angle of 180 degrees, a pair of sheet supporting members mounted for movement on the frame and arranged when in sheet supporting position to lie in opposition parallel to each other and closely adjacent, and guide means for each member whereby the member may be moved edgewise from sheet supporting position to a position in which it no longer lies above the glass sheet so as to permit the removal of the sheet.

2,028,918
FOLDABLE SCREEN
Ralph Paxon, Los Angeles, Calif.
Application February 12, 1935, Serial No. 6,312
3 Claims. (Cl. 129—32)



1. A screen of the kind described including a plurality of sections each of which is provided with a rectangular frame of angle iron, the angle irons at the sides, top and bottom of the frame being arranged to have one leg of each in a common plane and the remaining leg of each projecting in a common direction from said plane, corner pieces for said frame each having a plane body portion provided with a pair of side flanges at right angles to each other and projecting in like direction from the body, said body being riveted to adjacent sides of the frame with the flanges embracing the corners, the corner pieces of adjacent frames having projecting and overlapping hinge eyes, and pivot rivets extending through said eyes, said hinge eyes being arranged on the horizontal flanges of the corner pieces with their centers alining with the free edges of the vertical flanges.

2,028,919
TEXTILE PICKER
Edward H. Parker, Arlington, Mass., assignor to W. H. Bagshaw Co., Lowell, Mass., a corporation of Massachusetts
Application June 27, 1934, Serial No. 732,587
3 Claims. (Cl. 19—97)

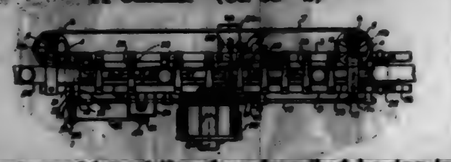
3. A picker pin for use with a picker drum lag, said pin having a body portion designed to fit

snugly in a preformed hole in such a lag, the body portion of the pin being of substantially rectangular elongate cross section, its front and rear faces being narrower than its side faces, the latter faces having integral segmental buttresses projecting from them, the curved surfaces of each buttress being the arc of a circle of a diameter



intermediate the transverse and front-to-rear dimensions of the body portion of the pin, said buttresses extending longitudinally of the pin beyond its body portion but terminating at a substantial distance from the free end of the pin, the free end portion of the pin being substantially rectangular in transverse section.

2,022,920
LABELING AND WRAPPING MACHINE
Ferentus Reid, Cincinnati, and Henry Hettinger, St. Bernard, Ohio, assignors to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application January 13, 1932, Serial No. 586,278
14 Claims. (Cl. 93—8)



1. A machine of the class described having in combination, guiding means for guiding cylindrical containers as said containers are conveyed through the machine, feeding means for intermittently admitting the containers to said machine, a belt receiving the containers from said feeding means and movable in a horizontal plane in such spaced position relative to said guiding means as to frictionally bear against the sides of containers in upright position and to cause said containers to be advanced with continuous rotary movement about vertical axes, said admitting means dependent for operation upon the presence of a definitely arranged group of containers thereat.

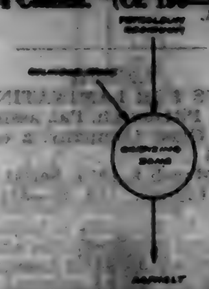
2,022,921
BEATER
Axel H. Ross, Chico, Calif.
Application September 8, 1934, Serial No. 743,710
3 Claims. (Cl. 259—132)

1. A hand member comprising a frame member, a shaft depending below the frame, a beater element on the lower end portion of the shaft, a tubular shaft surrounding the first named shaft above the element, means between the frame member and shafts to rotate the latter, a beater element supported by and depending from the tubular shaft about the first named beater element, a boss on the last named beater element in which the lower end of the first named shaft is turnably supported, said first named shaft also being tubular, and a rod having a head on its lower end projecting upwardly through said first



named shaft and secured in the frame member; the head engaging the bottom of the boss.

2,022,922
PROCESS OF MAKING ASPHALT
Bernard L. Ross, Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
Application June 17, 1933, Serial No. 677,059
4 Claims. (Cl. 196—74)



1. A process of making asphalt, which comprises mixing a distillation residuum substantially freed from lubricating hydrocarbons and an oily distillate cylinder stock having a viscosity of at least 100 at 210° F. Saybolt, and oxidizing the mixture.

2,022,923
ALL METAL SPRINGLESS AUTOMATIC FAUCET AND VALVE
James C. Ross, Seattle, Wash.
Application July 24, 1934, Serial No. 736,695
3 Claims. (Cl. 251—126)



1. A self-closing faucet including a body formed with an upper chamber having a discharge outlet and a lower chamber open to service flow, a partition dividing the chambers and formed with an upwardly converging opening to establish communication between the chambers, the lower end of the opening merging into a conical valve seat, a valve operative in the lower chamber for cooperation with said seat, a plunger operative in the upper chamber, a conical stem connected to the valve and rearwardly with the plunger, the stem being of a dimension to substantially fill the opening in the partition when the valve is closed, and to gradually increase the free space of the opening as the valve is moved away from its seat, whereby on closing the valve the free space of the opening is gradually reduced to thereby serve as a gradual check for the flow of water prior to the closing of the valve, whereby to prevent water hammer impact between the valve and its seat, and means for operating the plunger.

2,022,924
PENCIL SHARPENER
Claude O. Rowe, Santa Monica, Calif., assignor of one-half to Wright Fillmore and Lil A. Johnson, both of Los Angeles, Calif.
Application June 4, 1935, Serial No. 24,569
3 Claims. (Cl. 120—93)



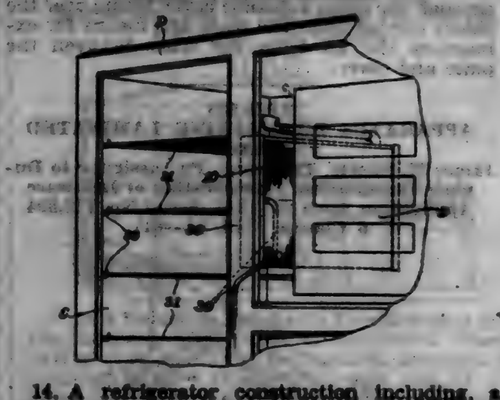
1. A pencil sharpener including, a relatively large and heavy wheel, mounted for revolution in bearings, having a central opening therethrough, and pencil-sharpening means fastened in the said central opening disposed for sharpening any pencil extended and retained therein by revolving the said wheel.

2,022,925
STEAM GENERATOR
Henry J. Schneider, Quincy, Mass.
Application February 14, 1931, Serial No. 6,513
6 Claims. (Cl. 122—329)



1. A boiler comprising a substantially horizontal upper chamber, two lower smaller substantially horizontal chambers defining the upper lateral boundaries of a fire-box, an inner bank of generating tubes connecting respective lower chambers to said upper chamber, and an outer bank of convection tubes connecting respective lower chambers to said upper chamber, a multiplicity of water tubes extending downwardly from respective lower chambers and defining the sides of a water wall of the fire-box, water tubes communicating with the last named tubes arranged to form a water floor of the fire-box, water tubes communicating with the last named tubes arranged to form a heater in the fire-box, water tubes communicating with the last named tubes arranged to define a back wall in the fire-box, and water tubes connected between said upper chamber and said two lower chambers arranged to define a water wall beyond the convection tubes and communicating with the tubes of said walls, floors, heater and boiler.

2,022,926
WATER COOLER FOR REFRIGERATORS
Walter G. Seeger and Robert S. Ahrens, St. Paul, Minn., assignors to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota
Application February 14, 1934, Serial No. 711,227
19 Claims. (Cl. 62—141)



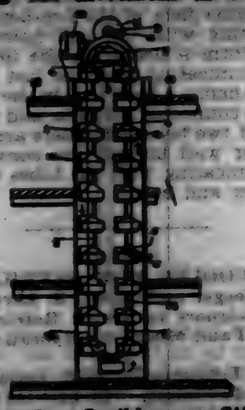
14. A refrigerator construction including, a stationary front member, a water cooler including a hollow body portion, a filler member, a drain faucet, and a pair of brackets one of which is secured to said stationary front member and the other of which is secured to the back wall of the refrigerator for removably enclosing the ends of said body portion, one of said brackets including spring clips for holding one end of said body portion in said bracket.

16. In a refrigerator cabinet, in combination, a cooling compartment, a door for said compartment, a drinking water receptacle fixedly supported in said cooling compartment, and a filling spout for said tank pivoted thereto at one end, the other end of said spout being swingable to a position exterior to said cabinet when said door is in open position and being normally positioned within said cabinet when said door is closed.

2,022,927
APPARATUS FOR MAKING LAMINATED GLASS
James H. Sheris, Tarentum, Pa., assignor to Duplate Corporation, a corporation of Delaware
Application February 17, 1934, Serial No. 711,726
8 Claims. (Cl. 18—17)

1. In apparatus for making laminated glass, a vertical tank containing a body of heated liquid, an endless conveyor movable vertically into the bath and then upward and out of such bath, a carrier for the sheets to be laminated comprising a base plate having a curvature correspond-

ing to that of the sheets to be laminated pivotally supported on the conveyor so that the plate lies transverse to the line of movement of the conveyor during the movement of the conveyor



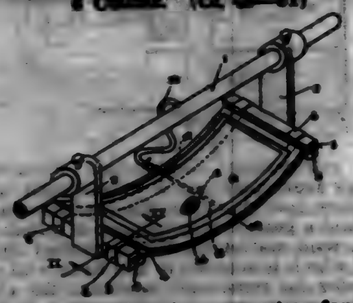
through the bath, a flexible cover fitting over the sheets carried upon the plate and means for exhausting the air from the space between the plate and cover.

2,023,928
APPARATUS FOR MAKING LAMINATED GLASS

James H. Sheris, Tarentum, Pa., assignor to Duplate Corporation, a corporation of Delaware

Application April 23, 1934, Serial No. 722,894

6 Claims. (Cl. 49—61)



1. In combination in apparatus for making curved laminated glass, a base sheet of rubber supported so that it has longitudinally substantially the curvature of the glass sheets to be laminated with its side edges free to move toward each other, a flexible sheet of rubber having its edges free adapted to fit over the glass sheets carried upon the base sheet and engage the base sheet outside the edges of the glass sheets, and means for exhausting the air from the space between the rubber sheets.

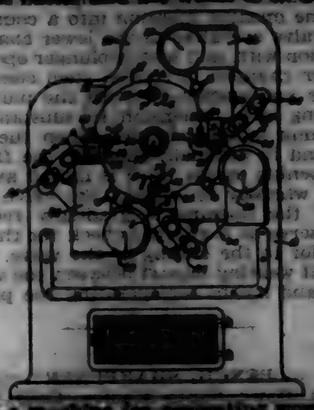
2,023,929
METHOD OF AND APPARATUS FOR GENERATING HOLLOW FACED WORMS AND THE LIKE

Oliver G. Simmons, Lakewood, Ohio, assignor, by mesne assignments, to Dual L. Simmons

Application July 31, 1931, Serial No. 554,926

25 Claims. (Cl. 90—4)

1. The herein described method of generating worms and the like, which consists in so positioning a gear shaped cutter with respect to a worm blank that the teeth of the cutter in proximity to the blank, extend in the direction of the worm thread to be generated, and relatively feeding the blank in a planet path across the face thereof in the direction of the worm thread while continuously rotating the blank and cutter at relative speeds corresponding to the tooth ratio between the cutter and the worm to be generated.



13. In a machine for generating worms or the like, a frame, a rotatable turret having its support carried by the frame, a rotatable work spindle angularly mounted in the turret at an angle to the plane of revolution of the turret equal to the helix angle of the worm to be generated, a rotatable cutter spindle carried by said frame, means for rotating said spindles in time relation, and means for continuously rotating said turret during the operation of the machine.

2,023,930
VIBRATION DAMPER AND PROCESS OF ASSEMBLY

John J. Tayler, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application March 2, 1934, Serial No. 713,659

9 Claims. (Cl. 173—13)



9. The combination with a hollow conductor, of a weight disposed within said conductor and resiliently pulled therein out of contact with the interior of said conductor, means cooperating with said weight to dissipate energy when said conductor is moved relative to said weight and means secured to the interior of said conductor and supporting said energy dissipating means.

2,023,931
CONDUCTOR SUPPORT

John J. Tayler, Wadsworth, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application May 17, 1933, Serial No. 23,121

3 Claims. (Cl. 248—63)



1. A cable clamp comprising a main body member having a longitudinally extending cable seat

thereon, a keeper for holding a cable in said seat, a U-bolt for clamping the cable between the keeper and seat, said bolt's being disposed at the longitudinally mid position of said keeper and seat, pintles on the respective legs of said U-bolt, and means for engaging said pintles for pivotally supporting said cable clamp.

2,023,932
STABILIZING SHEET VULCANIZED FIBER

Herbert E. Stratford, Cleveland, Ohio, assignor to Horace E. Fay, Cleveland, Ohio

No Drawing. Application August 28, 1931, Serial No. 559,925

6 Claims. (Cl. 91—68)

1. A method of inhibiting distortive changes in sheet vulcanized fiber, which comprises expelling moisture from the fiber, and sealing the surface with a settable liquid composition having as its essential component a urea resin condensation product mixed with other synthetic resin.

2,023,933
TIME CONTROLLED MECHANISM FOR VALVES OR THE LIKE

Roy W. Johnson, Milwaukee, Wis.

Application April 11, 1933, Serial No. 664,585

7 Claims. (Cl. 251—7)



Time controlled mechanism comprising a clockwork, a manually rotatable shaft, a friction coupling between the shaft and the clockwork whereby the shaft is driven from the clockwork, a trip carried by the shaft, a latch pivotally mounted adjacent the clockwork and in cooperative relation to the trip, a single acting lever having one end pivotally supported and having its other end cooperable with the latch, the intermediate portion of the trip being provided with a slot, and a manually operable set shaft provided with a crank having a pin operatively fixed in said slot.

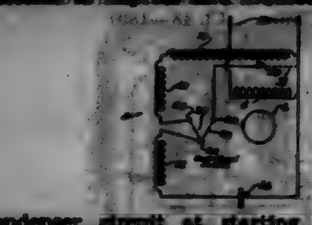
2,023,934
CONDENSER INDUCTION MOTOR

Carlton L. Kennedy, Swampscott, Mass., assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass., a corporation of Massachusetts

Application April 18, 1930, Serial No. 445,090

12 Claims. (Cl. 172—224)

11. A condenser induction motor having, in combination, a rotor, a plurality of windings including a stator main winding to be connected to a source of voltage and a stator condenser winding, a condenser element including the condenser winding and a condenser, one of the windings having induced therein a voltage component in phase with the voltage source, connections to impress said induced voltage in the



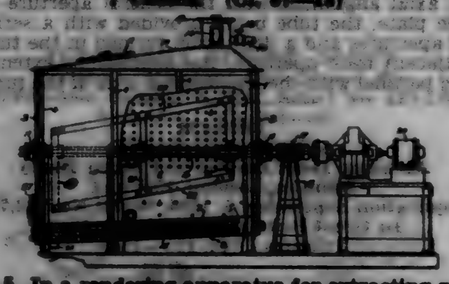
condenser circuit at starting, and switching means for simultaneously cutting a part of the condenser winding out of circuit and decreasing the magnitude of said voltage component under running conditions.

2,023,935
GELATIN AND GLUE EXTRACTOR

William V. Kasil, Dayton, Ohio

Application June 6, 1933, Serial No. 675,649

7 Claims. (Cl. 87—13)



5. In a rendering apparatus for extracting gelatin and the like, a pair of concentric vessels having their side walls and bottoms arranged in relatively spaced relation, the side wall of the inner vessel extending upwardly to the top of the outer vessel and being perforated to permit communication between said vessels, a horizental rotatable shaft extending through said inner vessel, agitator means carried by said shaft, heating means interposed between the vessels for heating the contents thereof during agitation, a conduit for supplying liquid to the inner vessel, and an outlet conduit connected to the side wall of the outer vessel at a point substantially level with said agitator shaft.

2,023,936
CARRIER WEB FOR THE FORMATION OF THIN TRANSPARENT FILMS

Edouard M. Kratz, Gary, Ind., and Erich Gebauer-Fuelnegg, Evansville, Ill., assignors, by mesne assignments, to Marbo Products Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application December 15, 1933, Serial No. 702,993

3 Claims. (Cl. 18—15)

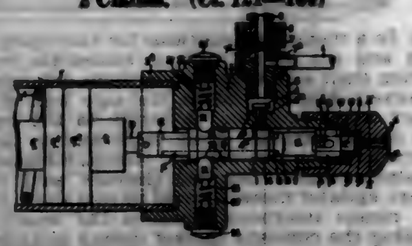
1. A casting belt for transparent sheet material comprising a laminated fabric web, a pigmented layer of a cellulose-ester composition thereon, a plurality of coatings of soft plasticized clear nitrocellulose composition above said pigmented layer to form a smooth, brilliant top surface and an inert barrier film on said surface to protect the under coatings from the action of solvents in the film forming solution to be cast on the belt.

2,022,937
GAS MIXER
Maurice Lefebre, Detroit, Mich.
Application January 26, 1934, Serial No. 708,373
1 Claim. (Cl. 48—190)



In a gas mixer, a sheet metal plate having a central aperture and a series of smaller apertures spaced circumferentially thereabout, the plate being provided with a slit extending radially from the central aperture to each smaller aperture and the lugs thus formed being twisted to extend at an angle to the plane of the sheet metal plate, the lugs being also bent outwardly to the contour of a truncated cone and each lug being provided with an aperture therethrough and a tube supported on the ends of the lugs and extending in axial alignment with the central aperture of the plate, the tube being provided with a series of apertures and a depression formed in the tube adjacent each aperture, the depressions extending parallel with the longitudinal axis of the tube.

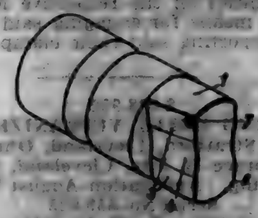
2,022,938
AUTOMATIC VALVE
Abraham Isaac Legette and Edgar Harry Dainton, London, England
Application September 5, 1934, Serial No. 742,778
In Great Britain September 2, 1933
2 Claims. (Cl. 121—164)



1. Automatic valve and valve gear mechanism, for pneumatic motors of the reciprocating piston type, comprising a valve casing having a laterally disposed inlet valve, and, at one end, an exhaust valve, and a plunger formed with a longitudinal bore with ports at the ends thereof, said plunger being constructed and adapted, on its instroke, to open the inlet valve and close the exhaust valve, and on its outstroke to close the inlet valve and open the exhaust valve and to provide for the passage of the air through the bore of the casing during the inlet and exhaust operations, according to the direction of movement of the plunger.

2,022,939
FOLLOWER FOR STEERING GEARS FOR VEHICLES
Frederick George Matravers, Harpenden, England, assignor to Adamant Engineering Company Limited, Luton, Bedfordshire, England, a company of Great Britain
Application June 18, 1935, Serial No. 26,819
In Great Britain October 13, 1934
7 Claims. (Cl. 74—454)

1. A vehicle steering gear follower for transmitting motion between a helical thread on the steering shaft and the vehicle steering arm, comprising a cylindrical body mounted rotatably about its longitudinal axis in said steering arm and having a substantially rectangular projec-



ing end substantially the same width as said thread for engagement with it, the contacting surfaces of said end being substantially helical about said longitudinal axis.

2,022,940
ORE EXTRACTION
George James MacKay, Kingston, Ontario, Canada
No Drawing. Application September 24, 1934, Serial No. 744,393. In Canada September 7, 1934
9 Claims. (Cl. 75—18)

1. A method of treating ore or concentrates thereof for the recovery of precious metals, which comprises mixing the ore with a salt of a group consisting of carbonate or nitrate of sodium or potassium, heating the mixture under non-roasting conditions to 950° to 1250° F. and disintegrating the heated mixture in water to dissolve the soluble products so formed.

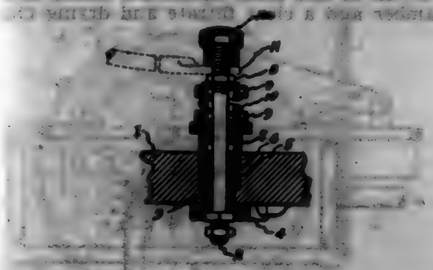
2,022,941
BRIGHT ANNEALER
Patrick J. McIntyre, Detroit, Mich.
Application March 6, 1931, Serial No. 520,559
9 Claims. (Cl. 263—6)



1. An annealing furnace comprising a generally U-shaped structure divided into a plurality of compartments of substantially equal length, the base of the U forming a compartment of a length substantially equal to the length of the next adjacent compartment in each leg of the U, a fluid tight closure member located at the juncture of one leg with the base, and means in alinement with the other leg extending within the base for injecting therein a plurality of gaseous mixtures.

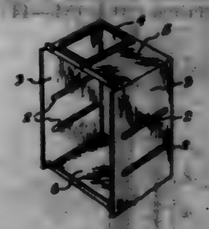
2,022,942
ELECTRICAL ENTRANCE PLUG
Roland H. Money, Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application September 18, 1935, Serial No. 41,186
2 Claims. (Cl. 175—311)

1. In an electrical terminal plug for the purpose described the combination of a non-conductive tube, a terminal element passing through the same, a rubber gasket surrounding said non-conductive tube, and adapted to seat in an annular space about said tube, a non-conductive



sleeve on the terminal member and adapted also to enter said annular space, and means for pressing said sleeve into said annular space comprising a spring, and a nut pressing upon said spring, and threaded to the terminal member.

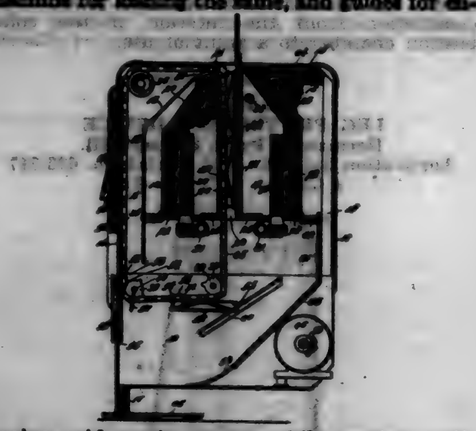
2,022,943
METHOD OF FORMING REFRIGERATOR LININGS
Roland H. Money, Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application September 26, 1935, Serial No. 41,241
3 Claims. (Cl. 113—120)



1. That method of forming a refrigerator lining shell which consists in starting with a flat unenameled sheet, stamping said sheet by heavy pressure applied across the entire sheet, so as to form spaced ledges lengthwise thereof at the terminal portions of the sheet, then folding the sheet to form the back and two sides of a refrigerator cabinet shell, with the ledges extended inwardly at the sides of said shell, and the back free of ridges, then securing top and bottom plates to said shell to complete the compartment shell, and then enameling same.

2,022,944
TOASTING MACHINE
Harry S. Morrison, Auburn, R. I., assignor, by mesne assignments, to Republic Metalware Company, Buffalo, N. Y., a corporation of New York
Application June 30, 1928, Serial No. 288,243
20 Claims. (Cl. 53—5)

1. A toasting machine comprising a casing, a vertically divided oven within the casing, heating elements within the oven, endless carrier means mounted in the casing and having its upward pass entirely exposed at the front of the machine for loading the same, and guides for en-



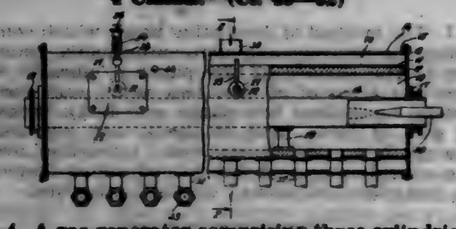
gaging said carrier means while passing vertically through the said oven.

2,022,945
AUTOMOBILE BUMPER DEVICE
Willard L. Morrison, Lake Forest, Ill.
Application October 2, 1933, Serial No. 692,730
8 Claims. (Cl. 293—55)



7. An automobile bumper device comprising a bumper, a stop device at a distance from the bumper, a pneumatic tire supported between the stop device and the bumper and acting to oppose the movement of the bumper when the bumper is struck.

2,022,946
GAS GENERATOR
Dimitry Nicoseff, Clarksdale, Ariz., assignor, by mesne assignments, to Phelps Dodge Corporation, New York, N. Y., a corporation of New York
Application November 2, 1929, Serial No. 404,210
4 Claims. (Cl. 48—62)



4. A gas generator comprising three cylindrical members so arranged as to provide an outer preheating chamber, an intermediate combustion chamber and an inner ignition tube, one or more burners mounted on a wall of the combustion chamber within the walls of the preheating chamber and providing means of communication between the preheating chamber and the combustion chamber, means for introducing powdered coal into the combustion chamber adjacent the burners, means for introducing an

oxidizing gas into the preheating chamber, and means for conducting the gaseous products of combustion from the interior of the combustion chamber to a point of use.

2,028,947
LEG PROTECTING DEVICE
Herman C. Fahs, Chicago, Ill.
Application July 12, 1932, Serial No. 622,047
4 Claims. (Cl. 36—2)



1. A leg protecting device comprising a body portion, encircling spring members at the ends of said body portion, and a series of separated cushion members on the interior of said body portion which engage the leg at separated points.

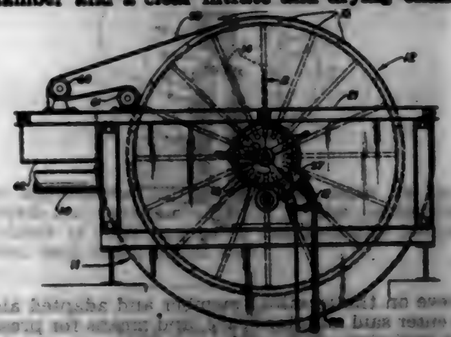
2,028,948
DECORATIVE PAPER AND METHOD OF MAKING THE SAME
Joseph J. Pohlmann, South Hadley Center, Mass., assignor to The Beveridge-Marvelkote Company, Holyoke, Mass., a corporation of Massachusetts
Application November 7, 1934, Serial No. 751,879
2 Claims. (Cl. 41—26)



1. The method of decorating paper which comprises successively and non-conformably applying to the surface of the paper a plurality of irregular areas of at least two colors, said areas having no defined boundaries and being formed of dots of color, light in shade, and variously spaced to provide various color intensities over the several areas, and thereafter forming thereon an unbroken translucent crystalline coating.

2,028,949
FILTER
William Raiech, Forest Hills, N. Y., and John H. Fodeler, Jr., Glen Rock, N. J., assignors to Underpinning & Foundation Company, Inc., a corporation of New York
Application March 23, 1933, Serial No. 661,490
4 Claims. (Cl. 210—197)

1. In a rotary filter, a revolving valve member having in the face of one of its ends a plurality of ports arranged at intervals around the center of said face, a stationary valve member cooperating with the face of the revolving member to provide a main chamber therebetween, means including three radial partitions to set off in said main chamber a cloudy filtrate chamber and a clear filtrate and drying chamber, and means connected with said partitions at their inner ends for varying the positions of said partitions from the exterior of the valve without interrupting the action of the filter, such varying means including means for varying the position of one of said partitions and means for simultaneously varying the positions of the other two of said partitions.



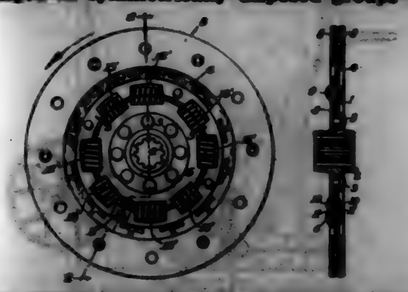
2,028,950
LAMINATED PANEL
Meredith S. Randall, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application November 6, 1933, Serial No. 696,813
10 Claims. (Cl. 154—44)



1. A laminated panel comprising, in combination, a metal lamination, a lamination of tough dense non-sound transmitting material secured to one surface of said metal lamination, a lamination of loosely compacted sound insulating material secured to said last named lamination, and a lamination of finish material arranged adjacent to said sound insulating lamination spaced from the lamination of non-sound transmitting material by means other than the intervening lamination of insulating material.

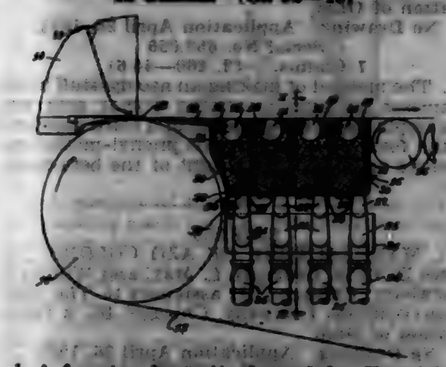
2,028,951
CLUTCH PLATE
Harold V. Reed, Chicago, Ill., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 15, 1931, Serial No. 581,119
10 Claims. (Cl. 192—46)

1. A clutch plate for friction clutches comprising a driving member and a driven member, said members having a plurality of pockets formed by opposed openings in the members, and springs arranged in said pockets to engage the end walls of said openings, said pockets being arranged in symmetrically disposed groups and



the openings in one member being progressively longer than the openings in the other member for successive pairs of pockets to cause the springs in said pockets to act in stages during movement of one member relative to the other member.

2,028,952
APPARATUS FOR, AND METHOD OF MAKING PAPER
Philip J. Reimer, Neenah, Wis.
Application February 16, 1931, Serial No. 711,053
12 Claims. (Cl. 92—46)

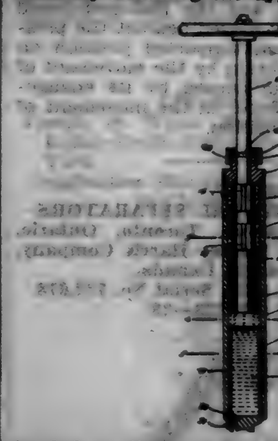


1. A forming box attachment for Fourdrinier type paper machines comprising, in combination, a box having a bottom, ends and side walls, a plurality of partitions in said box defining watertight chambers, a perforated pipe communicating with the interior of each chamber, means for flowing liquids through said pipe, and drain openings in the bottom of each chamber.

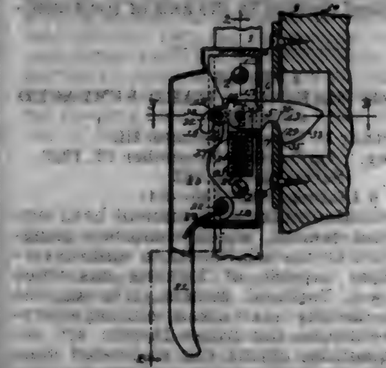
7. The process of forming sheet material having improved characteristics, which comprises flowing an aqueous suspension of stock onto the forming wire of a Fourdrinier type paper machine, flowing liquid upwardly through the forming wire to maintain the stock thereon in suspension and gradually regulating the drainage of water through the wire to prevent the formation of two-sided sheets.

2,028,953
SAFETY STEERING ROD
William Middleton Roark, Perryton, Tex.
Application June 3, 1932, Serial No. 615,783
2 Claims. (Cl. 74—492)

1. A steering post comprising a lower cylindrical section and an upper rod section extending into and splined to the cylindrical section, a dash pot construction between the inner end of the upper section and the cylindrical section, a laterally yielding joint between the two sections normally retaining the upper rod section in extended position which joint yields to permit upper rod section to move into the cylindrical section by impact of the human body in event of an accident.



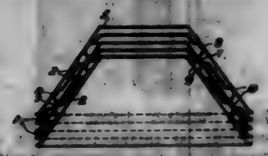
2,028,954
LATCH
Gordon E. Reedding, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application October 14, 1934, Serial No. 747,820
11 Claims. (Cl. 292—126)



1. A latch structure comprising: a lever latch bolt having spaced fulcruming members; fulcrums for said members respectively, one of the members being mounted for reversible movement to supported position on its fulcrum in a direction parallel with the bolt's movement to its latching position; a spring urging said member in its said movement and the bolt to latching position; an operating unitary handle carrying the other fulcrum in a position supporting the other member in the normal position of the handle and in the latching position of the bolt, the handle being movable from its normal position for moving said other fulcrum from its said supporting position; means operable by the handle in its said movement for moving said other member about the axis of the first-mentioned member to thus turn the bolt on the first-mentioned fulcrum from latching position, the handle being reversely movable to normal position

for moving said other member reversely to thus turn the bolt reversely and for moving said other fulcrum into its said supporting position, the bolt in its last-mentioned position being turned on said other fulcrum and the first-mentioned member being reversely moved against the pressure of the spring from supported position on the first-mentioned fulcrum by the movement of the bolt's latching arm caused by its engagement with the bolt's keeper in the movement of the closure to closed position.

2,028,955
DISK FOR CENTRIFUGAL SEPARATORS
Osborne Harris Shenstone, Toronto, Ontario, Canada, assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada.
Application June 27, 1934, Serial No. 732,673
5 Claims. (Cl. 233—29)



1. In a centrifugal separator, a plurality of deformed and plain frustro-conical disks arranged alternately in assembled form, said deformed disks having a plurality of internal and external spacers arranged in pairs, each spacer having a flat portion in a plane parallel with the wall of the disk for engagement with a plain disk, said internal and external spacers being so arranged that in assembled form said flat portions and the engaged portions of the plain disks form a bearing column disposed parallel to the axis of the assembled disks.

2,028,956
METHOD OF MAKING A HARD SURFACED CEMENT
Arthur L. Emyly, Chicago, Ill.
No Drawing. Application November 13, 1933, Serial No. 642,443
6 Claims. (Cl. 106—24)

1. The method of making permanent hard surfaced Portland cement, which comprises grinding a mass of iron material likely to contain certain impurities capable of forming gas when present in wet Portland cement, treating the ground mass directly to an alkali solution whereby said gas-forming impurities therein are decreased in quantity, drying the so-treated mass while wet with alkali whereby to coat the particles with a protective alkali, and adding the treated iron to Portland cement.

2,028,957
OSCILLATING CULTIVATOR
George W. Swan, Flat Rock, Mich.
Application September 7, 1934, Serial No. 743,853
7 Claims. (Cl. 97—45)

1. In an oscillating cultivator, an elongated frame, a ground engaging wheel detachably secured in the forward end of said frame, said wheel having a rim formed in a zigzag course extending completely around the circumference of the same, an oscillating member, a cross member secured to the top of said frame, an additional cross member secured to the bottom of said frame, both of said cross members disposed in alignment relative to each other, the aforesaid oscillating member being supported between said cross members and being adapted to pivot and oscillate in relation to said cross members, a pair of rollers journaled within the forward end of the oscillating member, either of said rollers



adapted to contact the aforesaid zigzag wheel rim so that as said wheel is rotated during the normal operation of the device, said rim will simultaneously oscillate the aforesaid oscillating member, ground working implements carried by the rear end of said oscillating member.

2,028,958
MANUFACTURE OF AZO COLORS
James D. Todd, Lawrence R. May, and William L. Newbury, Chicago, Ill., assignors to The Sherwin-Williams Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application April 26, 1933, Serial No. 668,620
7 Claims. (Cl. 260—44.6)

1. The method of making an azo dyestuff which comprises coupling diazotized Tobias acid with beta naphthol in the presence of a third substance in the form of a quantity of phenyl-methyl-pyrazolone up to 20% by weight of the beta-naphthol.

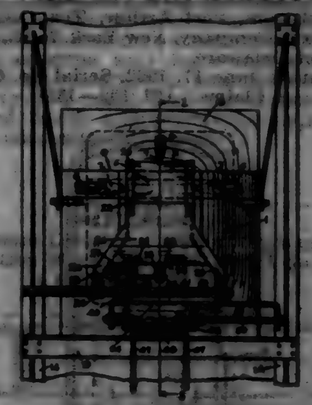
2,028,959
MANUFACTURE OF AZO COLORS
James D. Todd, Lawrence R. May, and William L. Newbury, Chicago, Ill., assignors to The Sherwin-Williams Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application April 26, 1933, Serial No. 668,621
7 Claims. (Cl. 260—39)

4. The method of forming a dyestuff which comprises diazotizing Tobias acid, and coupling said diazotized Tobias acid with beta-naphthol while simultaneously coupling with beta-naphthol a lesser quantity of diazotized naphthylamine sulfo acid which is distinctly foreign to the Tobias acid employed.

2,028,960
GLASS FEEDING SHELF
Albert F. Tremblay, Union City, Ind.
Application August 23, 1934, Serial No. 741,445
3 Claims. (Cl. 49—54)

1. A glass shelf for glass gathering machines having glass gathering molds, a tank, a shelf part protruding from the tank, a top part having an opening, a cover located in proximity to and above the top for closing the said opening by sliding movements, a piston and cylinder located beneath the shelf, means for connecting a source of air pressure supply with the cylinder, a plate slidably operated by the piston and connected to the cover at its edge and depending therefrom and extending along the under surface of the

shelf, a rod for slidably supporting the plate and cover and located beneath the shelf, a bracket



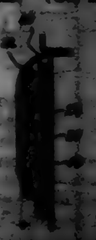
for supporting the said rod and located on the surface of the shelf.

2,028,961
MAKING OF PACKING RINGS
Harley T. Wheeler, Dallas, Tex.
Application February 16, 1931, Serial No. 515,232
3 Claims. (Cl. 154—2)



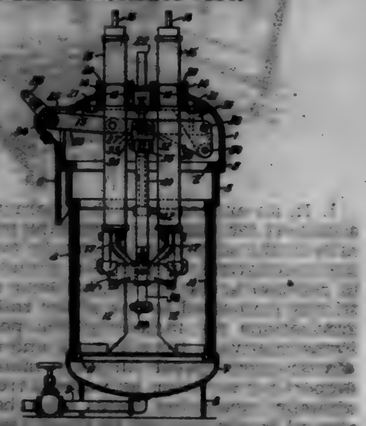
3. A method of forming a substitution for use as a packing made from a ring of material having a uniform fabrication, including the steps of so pressing the ring that the configuration of the ring will be altered, and so that the normal arrangement of the particles with respect to each other on the inner portion of the ring will be retained, and so pressing the ring that the outer portion will have an increased density.

2,028,962
LAMINATED PANEL
Herbert J. Woodall and Meredith S. Randall, Detroit, Mich., assignors to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application June 22, 1932, Serial No. 618,394
4 Claims. (Cl. 154—44)



4. A laminated panel structure comprising, in combination, a layer of loosely interlaced thermo material possessing high sound insulating properties, an outer layer of thermoplastic phenolic impregnated fibrous self supporting material responsive to heat and pressure to assume and permanently retain a deformed shape permanently secured to one side of the first layer, and an outer layer of flexible deformable cushioning material secured to the opposite side of said first layer.

2,028,963
CIRCUIT BREAKER
Joseph D. Wood, Bethlehem, Pa., assignor to Roller-Smith Company, a corporation of New York
Application March 10, 1934, Serial No. 714,959
10 Claims. (Cl. 200—154)



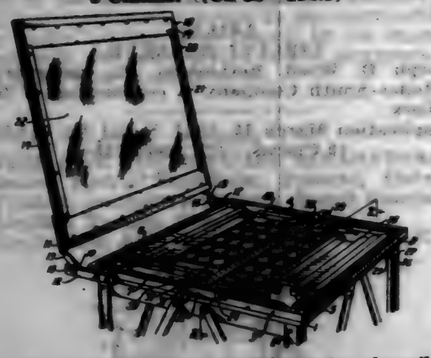
1. An oil circuit breaker comprising an enclosing tank, said tank having a dome-shaped head, and a baffle element fitted within the dome-shaped portion of the head and secured to said dome-shaped portion of the head at the outer edge of said element forming an enclosed space between said element and the top of the tank, said element having an opening connecting said space with the interior of the tank and said head having a venting opening connecting said space with the exterior of the tank.

2,028,964
BALL BEARING
Robert Amsler, Bienne, Switzerland, assignor to the firm Louis Muller & Cie S. A., Fabrique d'Horlogerie "Le Champagne", Bienne, Switzerland, a joint-stock company of Switzerland
Application January 18, 1933, Serial No. 2,583
In Germany January 27, 1934
1 Claim. (Cl. 308—184)



In a ball bearing arrangement having ball races made of sheet metal and in combination inner ball races made of metal strips with bent up borders and outer ball races of the same character both ball races being capable of some resiliency, an adjusting member adapted to subject said ball races to an axial pressure so as to produce a deformation of at least one of said races and a set of balls guided by said ball races.

2,028,565
APPARATUS FOR REGISTERING AND ALIGNING PRINTERS' FORMS, PLATES, AND THE LIKE
Clarence A. Beitz, Kansas City, Mo.
Application February 16, 1934, Serial No. 711,529
3 Claims. (Cl. 33—194.5)



1. In an apparatus of the character described, a support for removably retaining printing forms, rails on the support enclosing the forms and having graduations, means for aligning the forms in relation to the rail graduations, means eccentrically connected to one of the rails and having graduations for indicating the position of the forms relative to the side rails, and a transparent shatter-proof panel hingedly mounted on the support for receiving an imprint from the forms, whereby succeeding forms may be placed and aligned in the support in exact relation to each other.

2,028,966
RELEASING OVERSHOT
Erwin Burns, Los Angeles, and Harry F. Wickersham, Huntington Park, Calif.
Application May 7, 1934, Serial No. 724,594
1 Claim. (Cl. 294—106)



A well tool including a tubular body adapted to be passed over a fish, a depending lug in the upper end of the body, a gripping unit slidable in the body comprising a ring, arms depending from the ring, and gripping jaws on the arms actuated against the fish through cooperation with the body, a lug on the unit adapted to be engaged with the first mentioned lug to hold the unit in a released position, and inclined faces on the lugs adapted to cooperate in part in effecting the engagement of the lugs.

2,028,967
LINING FOR VESSELS
John Caristrom, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 17, 1932, Serial No. 617,511
6 Claims. (Cl. 196—133)



2. A metal vessel adapted for use in the conversion treatment of hydrocarbon oils comprising cylindrical side walls and end walls forming an enclosed chamber, tubular connections communicating with said chamber, a plurality of metal sheets arranged circumferentially about a longitudinal section of said chamber and forming a lining therefor, an annular bracket secured to the wall of said chamber at one end of the longitudinal section, a longitudinally extending flange on said bracket spaced from said chamber wall and cooperating therewith to form an annular recess adapted to receive one end of said liner sheets, means at the opposite end of said liner sheets for holding said liner sheets in transverse alignment against the wall of said chamber, and means including latches for interlocking adjacent longitudinal edges of said liner sheets.

2,028,968
LINING FOR VESSELS
John Caristrom, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 25, 1932, Serial No. 630,668
3 Claims. (Cl. 196—133)



1. A vessel adapted to contain hydrocarbons undergoing treatment at high temperatures and

prising an outer metal shell forming an enclosed chamber, a layer of corrosion-resistant material secured to the interior wall of said shell and covering a portion thereof, a sheet of heat insulating material covering said layer and contiguous therewith, bricks secured to said sheet and means secured to said metal shell for supporting said sheet and bricks and permitting said shell to expand independently thereof.

2,028,969
THERMOMETER
William Carruthers Dillon, Chicago, Ill.
Application March 28, 1933, Serial No. 663,426
4 Claims. (Cl. 73—118)



2. A portable thermometer comprising an elongated unitary tubular member of uniform diameter, apertured cap members for each end of said tubular member, temperature indicating means positioned in said tubular member, one end of said temperature indicating means being provided with temperature responsive expansible means, said expansible means being adapted to be at least partially immersed in the liquid, the temperature of which is being measured, flowing into said tubular member through one of said apertured cap members.

2,028,970
PROCESS OF PRESERVING FRUIT AND VEGETABLES
Will H. Ewell, Los Angeles, Calif.
No Drawing. Application December 1, 1933, Serial No. 700,589. Renewed July 29, 1935
2 Claims. (Cl. 99—2)

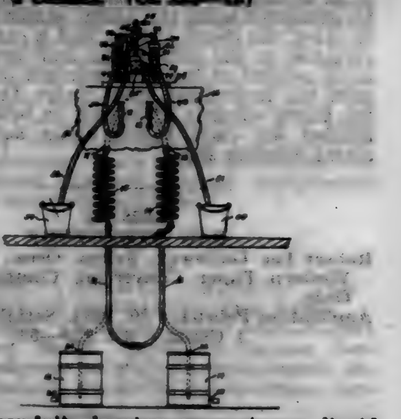
1. The process of preserving fruit and vegetables subject to discoloration on exposure to air comprising cutting the fruit or vegetables into slices, immersing the slices in water saturated with carbon dioxide, removing the slices from the water and draining the excess water therefrom, and packing the slices tightly in an impervious envelope.

2,028,971
SPARK PLUG
Clinton Fuller, Akron, Ohio
Application June 15, 1931, Serial No. 544,813
3 Claims. (Cl. 123—169)



In a spark plug of the character specified, a porcelain core provided at its lower end with a spark pin, an exteriorly threaded shell fitting around the lower end of the electrode, a metal ring fitting in the lower end of the shell and formed at its interior with a projecting wall or portion and a triangular-shaped spark point forming device concentrically mounted on the bottom of said ring and adapted to be fitted to cause any one of its points to extend over the straight wall or portion of the ring opposite the spark pin, to regulate the gap of the spark pin.

2,028,972
CONDUIT CLEANING APPARATUS
Elmer Otto Fessler, Des Moines, Iowa
Application November 19, 1934, Serial No. 753,436
2 Claims. (Cl. 225—12)



1. In a conduit cleaning apparatus, a liquid pump having inlet and outlet ports, a jar member designed to contain granular abrasive material at times, a second jar member designed to contain granular abrasive material at times, a perforated straining member in the top of each of said jar members, a flexible hollow element having one of its ends communicating with the inside bottom of said first-mentioned jar and designed to have its other end communicating with one end of the conduit to be cleaned, a second flexible hollow element having one of its ends communicating with the inside bottom of said second jar and designed to have its other end communicating with the other end of the conduit to be cleaned, a liquid supply pipe communicating with the inlet port of said pump, a pipe leading from the outlet port of said pump, a pipe communicating with the inside top of said first-mentioned jar, a pipe communicating with the inside top of said second jar, a waste pipe, and a multi-way operated valve connected to said last-mentioned four pipes capable of being placed in positions for selectively connecting said pipe leading from said pump with said waste pipe, for connecting said pipe leading from said pump with the said pipe communicating with the inside top of said first-mentioned jar and said pipe communicating with the inside top of said second jar with said waste pipe, and for connecting said pipe communicating with the inside top of said second jar with said pipe leading from said pump and said pipe leading from the inside top of said first-mentioned jar with said waste pipe.

2,028,973
ELECTRIC SWITCH FOR ALARM CLOCKS
Hermann Fritsch, Buggingen, Baden, Germany
Application February 3, 1933, Serial No. 655,517
In Germany February 11, 1931
6 Claims. (Cl. 200—38)



1. Switching means for controlling an electric circuit by the alarm winding shaft of a normal alarm clock, comprising a complete electric

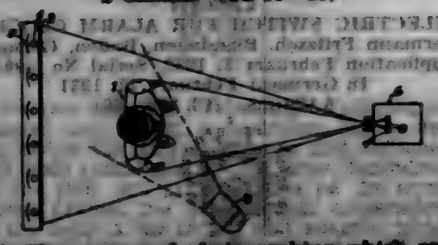
switch, said electric switch having a casing and a shaft mounted rotatably in said casing for effecting the switching, the latter shaft being adapted to be coupled to the alarm winding shaft so as to turn therewith and, when so coupled, to be supported upon the alarm winding shaft and to carry the entire switch, and a catch member attached to the said casing and constructed so as to prevent or limit the rotation of the casing with the mentioned shaft under the action of the alarm winding shaft only by bearing loosely against the clock casing under action of the alarm winding shaft.

2,028,974
BAG STRUCTURE
Robert Lee Galloway, Salem, Oreg., assignor to Western Paper Converting Company, Salem, Oreg.
Application February 20, 1934, Serial No. 712,248
1 Claim. (Cl. 229—53)



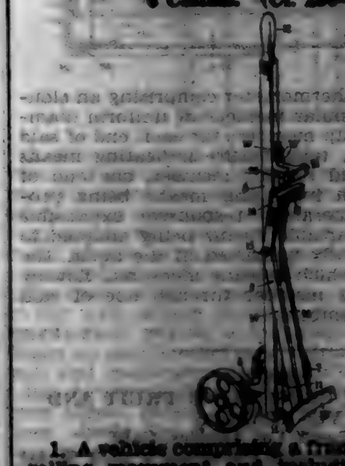
A bag for confection of the type having a stick or handle, comprising a body part and a double ply center seam lengthwise of the body part of the bag, said bag having elongated, pre-formed, registering, knife-slits completely through the bag lengthwise thereof and substantially midway between the ends and side of and at the bag, and through the material of the seam, the respective edges of which lie in contact with the confection in the bag to substantially preserve the normal tightness of the bag and to closely fit the handle of the confection when the same is inserted through the slits to form a shield to prevent soiling the hands and garments, and the material of the seam constituting a reinforcement about the handle.

2,028,975
COMPOSITE PICTURE
Clyde F. Gillette, New York, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Original application September 1, 1931, Serial No. 560,746. Divided and this application February 28, 1934, Serial No. 712,225
2 Claims. (Cl. 88—16)



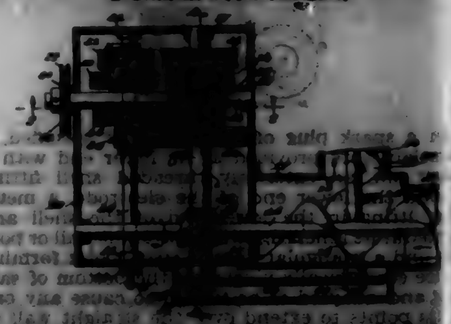
1. The process of photographing which comprises arranging sensitive photographic material in front of less sensitive photographic material, illuminating a foreground subject at a luminosity level appropriate for producing a half tone print upon said sensitive photographic material, but insufficient for exposing said less sensitive photographic material when arranged, simultaneously illuminating a plain ground behind said foreground subject at a higher intensity level such that an exposure can be produced thereby upon said less sensitive photographic material, and exposing the superimposed sensitive and less sensitive materials to said foreground and said plain ground thus arranged and illuminated.

2,028,976
WHEELED VEHICLE
Frederic J. Goff, Madison, Wis., assignor to William J. Kehrs, Milwaukee, and Nathaniel G. Goff, Madison, Wis., partners
Application June 1, 1933, Serial No. 674,814
Renewed October 25, 1934
6 Claims. (Cl. 280—33)



1. A vehicle comprising a frame constructed for rolling movement and including an elongated supporting member; a stationary clamping jaw carried by said member adjacent the upper end thereof; and a pivoted member on said supporting member, said pivoted member being adapted to support an article to be carried and against which said article reacts at a point remote from said stationary clamping jaw and adjacent the lower end of said supporting member, said pivoted member including a movable jaw cooperating with said stationary jaw to clamp an article on said pivoted member.

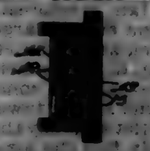
2,028,977
AUTOMATIC STOKER-FED COAL BURNER
Thomas Chesley Grant, Greenville, S. C.
Application July 2, 1932, Serial No. 620,995
6 Claims. (Cl. 302—22)



4. In a stoker for coal burners in which a rotary conveyor for the coal is provided for moving

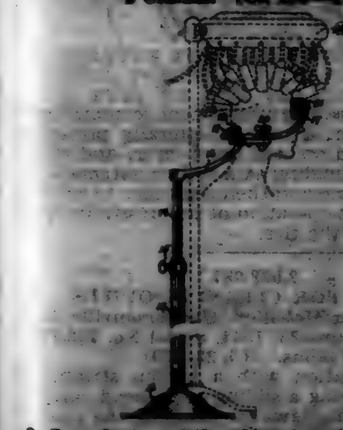
speeds by a driven shaft, means for varying the speed of the driven shaft and comprising a sleeve loose on said shaft and provided with spaced gears connected to the sleeve, a worm wheel between said gears and connected to the sleeve, a drive shaft having a worm meshing with the worm wheel, a rock shaft provided with spaced eccentrics, a pair of connected gears on each eccentric, a gear on the driven shaft at each side of the sleeve and fixed to said shaft, means for operating the rock shaft and causing one eccentric to move the gears thereon into meshing relation with one of the fixed gears on the driven shaft and a gear secured to the sleeve while moving the gears on the other eccentric out of meshing relation with the other fixed gear on the driven shaft and the other gear on the sleeve.

2,028,978
MATRIX AND METHOD OF MANUFACTURING THE SAME
Arthur R. Reilly, Chicago, Ill., assignor to Ludlow Typograph Company, Chicago, Ill., a corporation of Illinois
Application November 1, 1934, Serial No. 752,430
15 Claims. (Cl. 101—401.1)



1. The method of forming matrices which consists in providing a metal matrix body the portion thereof in which the matrix cavity is to be formed comprising a relatively thin web section forming a portion only of said body, backing said web-section with material harder than that forming said body, and forcing a matrix-forming punch against said portion to form the matrix cavity therein.

2,028,979
ADJUSTABLE HEAD SUPPORT
Josephine C. Hintz, Lake Mills, Iowa
Application September 24, 1934, Serial No. 745,237
2 Claims. (Cl. 155—174)



2. In a device of the class described, a supporting post, an arm extending forwardly and upwardly from said post, a curved bracket element extending rearwardly and laterally and rigidly secured to said arm, a pad member operatively secured on the inner side of said curved bracket member extending at an angle to the vertical and designed to engage the back lower portion of the head of the user, a second curved bracket element hinged to said arm adjacent the first bracket element to swing horizontally and extending upwardly and forwardly and laterally to an elevation substantially above the elevation of said first-mentioned bracket element, a pad member operatively secured on the inner side of said second curved bracket element designed to engage the forehead of the user and positioned in a plane substantially above the plane of the first-mentioned pad member, and a means for locking said second bracket element against independent movement relative to said arm.

2,028,980
INORGANIC COLORED PIGMENT AND PROCESS OF PREPARING THE SAME
Erich Korinth, Frankfort-on-the-Main-Hochst, and Georg Meier, Munster-in-Taunus, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application February 3, 1932, Serial No. 590,735. In Germany February 11, 1931
11 Claims. (Cl. 134—78)

2. The process of producing pigments which comprises combining practically pure zinc oxide and a metal oxide of the type MeO, wherein Me represents a metal of the group consisting of Cd, Mg, Fe and Mn to form mixed crystals or solid solutions by thermal combination of the components at temperatures between about 800° C. and about 1400° C.

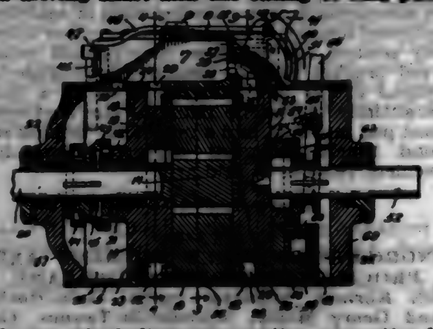
2,028,981
PRODUCTION OF AZO DYESTUFFS
Hans Kruhoffer, Ludwigshafen-on-the-Rhine, and Walther Kuchel, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 2, 1925, Serial No. 24,234. In Germany April 11, 1924
6 Claims. (Cl. 260—12)

1. A process of producing azo dyestuffs containing metals which comprises causing salts of halogen-substituted low molecular fatty acids with metals capable of forming complexes to act on azo dyestuffs which are capable of forming complex metal compounds.

2,028,982
HYDRAULIC TRANSMISSION MECHANISM
Thomas H. Lambert, Ridgewood, N. J., assignor of twelve and seventy-five one-hundredths per cent to Charles S. James, Ridgewood, N. J., and twelve and seventy-five one-hundredths per cent to John Mergendoller, five and one-tenth per cent to Harold B. Aldrich, and twenty and four-tenths per cent to Ray B. Henline, all of New York, N. Y.
Application January 11, 1933, Serial No. 1,377
6 Claims. (Cl. 192—61)

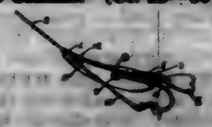
1. In a hydraulic transmission mechanism, the combination of a stationary housing, driving and driven shafts extending into said housing, a gear pump having a casing mounted for free rotation on said driving shaft within said housing, said gear pump further including a drive gear fixed to said driving shaft, means providing an operative connection between said pump casing and said driven shaft, said housing and said pump casing having passages to provide for fluid cir-

culation between said housing and said pump, a valve associated with the discharge passage of said pump to control the passage of liquid therethrough at will, means to provide a releasable positive mechanical driving connection between said driving shaft and the casing of said pump,



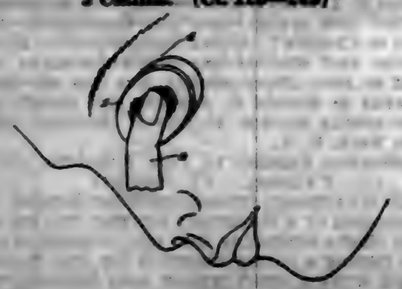
and means including an operative connection between said last-named means and said valve for operating the said last-named means to establish said positive mechanical driving connection automatically upon continued operation of said valve immediately subsequent to complete closing of said valve and while said valve is closed.

2,022,962
FISH LURE
Ernest Liebin, Cleveland, Ohio
Application February 28, 1935, Serial No. 8,757
9 Claims. (Cl. 43—39)



1. A casting spoon of concavo-convex configuration, means for securing a line to the forward end thereof, an elongated longitudinal slot in the center of and terminating immediately adjacent the edge of the rear end thereof, a tongue integral with said spoon at the forward end of said slot and angularly extending from the convex surface of said spoon, and means for securing a spinner on said tongue.

2,022,964
EYECUP
Clarence D. Lukens, St. Louis, Mo.
Application June 24, 1933, Serial No. 677,354
3 Claims. (Cl. 128—249)



2. An eye cup, comprising, a shallow resilient, stemless cup of ovoid shape having an eye receiving opening at the side of the ovoid, said opening being provided with a reinforced oval rim fitted to the contour of the orbit, the bottom of said cup being impressible toward the eye when in place thereon whereby to produce, by expelling air, sufficient motion upon its resilient return to normal shape to retain the cup and its liquid content in place on the eye.

2,022,965
FAN
Clarence A. Mahon, Kansas City, Mo.
Application May 25, 1932, Serial No. 613,425
2 Claims. (Cl. 230—120)



1. A device of the character described including a propeller type fan, a cone-shaped ring having an air inlet at one end of larger diameter than the fan and having an air outlet at the other end substantially equal to the diameter of the fan, and means supporting the fan concentrically within the cone of the ring and in inwardly spaced relation to said air outlet whereby the air stream from the fan completely fills the air outlet to prevent eddy currents without being cut off by the ring.

2,022,966
TIRE SPREADING IMPLEMENT
Marion Mathiesen, Chicago, Ill., assignor to John H. Lee, River Forest, Ill.
Application October 1, 1934, Serial No. 746,448
3 Claims. (Cl. 152—37)



1. A tire-spreading implement comprising a rigid hand-lever, a pair of laterally projecting rollers journaled on said hand-lever, and means for alternately holding said rollers automatically to enable first one and then the other to serve as a fulcrum in the operation of progressively opening portions of the tire.

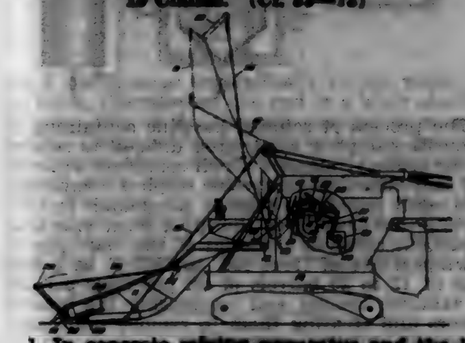
2,022,967
DEVICE FOR CLEANING QUILLS
Edgar Alexander McKillop, Hendersonville, N. C.
Application June 25, 1934, Serial No. 732,317
2 Claims. (Cl. 28—29)

1. In combination with a bobbin stripper of the type employing a sliding cross-head carrying a pair of gripping jaws for gripping the head of the bobbin to draw it through the usual scraping knives, a slidable tube carrying a nozzle at the end adapted to engage the tip of the bobbin while the same is grasped by said jaws, the tube being connected at its other end to a source of compressed air, a valve in said tube, and means actuated by the forward movement of said cross-head to not only advance said tube to put its



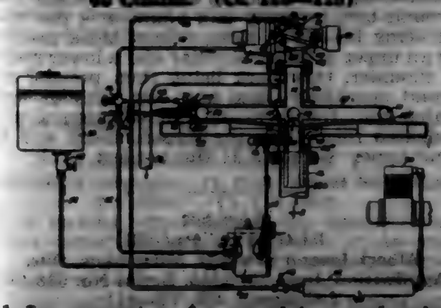
nozzle into contact with the tip end of the bobbin but also to open said valve.

2,022,968
CONTROL MECHANISM FOR CONCRETE MIXERS AND ANALOGOUS APPARATUS
Arthur E. Miller and Samuel Shafer, Jr., Milwaukee, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 26, 1931, Serial No. 570,161
19 Claims. (Cl. 53—73)



1. In concrete mixing apparatus and the like having a charging skip, and mechanism for automatically controlling the operations of said skip, said mechanism being provided with a starting lever for setting it into operation, the combination of means movable to and from position to prevent actuation of the starting lever of said control mechanism; means adjacent said skip, operable by a vehicle as it reaches and leaves discharging position relative to the skip, for controlling the movements of said first named means; and connections between said first and last named means.

2,022,969
APPARATUS FOR AND PROCESS OF OPERATING INTERNAL COMBUSTION ENGINES ON FUEL OF LOW VOLATILITY
Arlington Moore, New York, N. Y., assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y., a corporation of Delaware
Application August 1, 1930, Serial No. 472,110
46 Claims. (Cl. 123—118)

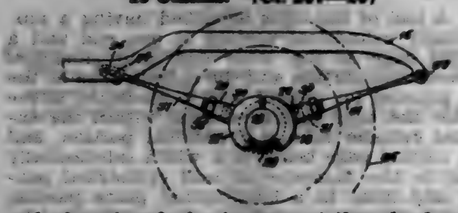


1. In apparatus for supplying and mixing charges for internal combustion engines, an intake, a throttle therein, means for delivering fuel into the intake beyond the throttle, means varied as a substantially pure function of engine speed for varying the fuel flow directly therewith, and means for varying the fuel flow in inverse relation to the variations in intake depression.

2,022,970
PROCESS OF MAKING PROPELLENT POWDER
Fredrich Olsen, Alton, Ill., assignor to Western Cartridge Company, East Alton, Ill., a corporation of Delaware
No Drawing. Application December 8, 1930. Serial No. 500,845
2 Claims. (Cl. 52—28)

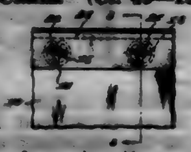
1. In the art of making propellent powders, the process comprising, treating an ungelatinized nitro-cellulose powder grain with a gelatiniser for nitro-cellulose while the grain contains a solvent for the gelatiniser.

2,022,971
VEHICLE SPRING SUSPENSION
James V. Pernice, Mount Morris, N. Y.
Application March 5, 1935, Serial No. 9,471
19 Claims. (Cl. 267—20)



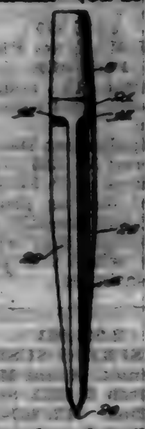
1. A spring device to connect the wheel carrying axle and frame of a vehicle comprising a pair of complementary interlocking hub members having a bore extending therethrough in the assembled position of the hub members, said hub members being relatively rotatable about the axle, resilient means arranged to resist relative rotation of the hub members, and an arm connecting each hub member to the vehicle frame.

2,022,992
SECURING TRIM PANELS
Elon C. Place, Detroit, Mich., assignor of one-half to George E. Gageler, Detroit, Mich.
Application July 17, 1929, Serial No. 378,964
1 Claim. (Cl. 45—138)



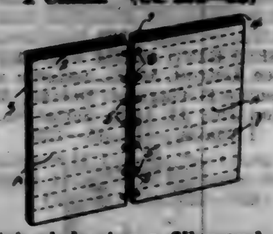
The method of constructing a trim panel and preparing it for the reception of headed fasteners from the uncovered side thereof, which consists in applying the upholstery covering to the foundation material, cutting the panel blank from the covered foundation material and punching openings to receive the fasteners in at least one of the margins of said blank, folding said margin back against the rear face of the panel, and attaching said margin to said rear face by means applied on a line between said openings and the line of fold so as to provide an unattached portion of the folded-back margin permitting the free insertion of the fasteners while said portion is held in its folded-back position by said means.

2,028,984
CHISEL
Hugh E. Pollard, Chicago, Ill., assignor to Arrow Tools, Inc., Chicago, Ill., a corporation of Illinois
Application October 26, 1934, Serial No. 750,200
2 Claims. (Cl. 29—95)



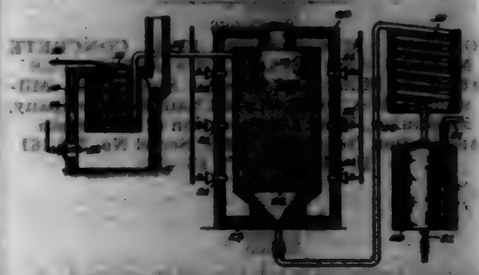
1. A tool of the class described having a substantially cylindrical portion at one end and a cutting edge at the other end, four shoulders between said portion and the cutting edge of the tool adapted for impact with a mounting sleeve or the like, said shoulders being within the extended cylinder of said cylindrical portion, and said cutting edge being of a width substantially equal to the diameter of said cylindrical portion and lying in a longitudinal plane passing through diagonal corners of the tool formed by the said shoulders.

2,028,994
NOTEBOOK BINDING
Hays Rehm, Salem, Oreg., assignor to Western Paper Converting Company, Salem, Oreg.
Application January 28, 1935, Serial No. 2,819
1 Claim. (Cl. 281—25)



In a notebook having a filler and covers provided with a series of spaced holes adjacent the back edge of the notebook and registering when the book is assembled; a wire strand lying against the inner face of one of the covers and having its terminal ends bent about the edges of the cover to clasp against the back face thereof to positively hold the strand in place on the inner face of the cover to be out of the way and out of engagement with a table on which the notebook may be placed; and intermediate portions of the strand bent upon themselves at points registering with said openings, said intermediate bent portions projected through the openings in the cover and substantially circularly turned to form closed eyes upon which the other cover and the leaves of the filler are assembled to be freely movable completely about said eyes within the limits defined by the cover to which the eyes are attached thereby to complete the assembly of the notebook.

2,028,996
DESULPHURIZING PETROLEUM OILS
Francis M. Rogers, Whiting, Ind., assignor to Standard Oil Company, Whiting, Ind., a corporation of Indiana
Application December 15, 1933, Serial No. 702,570
Renewed February 22, 1934
1 Claim. (Cl. 196—27)



The process of refining gasoline containing as impurities sulphur compounds difficult to remove in the ordinary manner which comprises converting said difficultly removable sulphur compounds into easily removable sulphur compounds by contacting said gasoline in the vapor form with solid adsorbent catalytic material of the clay type at a temperature of from 600° to 750° F. at a flow rate of 15 to 30 barrels of oil per hour per ton of catalyst, cooling and condensing the treated vapors and treating them to remove said easily removable sulphur compounds.

2,028,995
MANUFACTURE OF CARTRIDGE CASE CUPS
Emile Sautier, Bischheim, France, assignor to Manufacture De Machines Du Haut-Rhin S. A. Mulhouse-Bourtzwiller, (Haut-Rhin, France), a corporation of France
Application August 24, 1934, Serial No. 741,272
In Switzerland September 16, 1933
1 Claim. (Cl. 29—1.3)



Method of making cartridge cases and the like which comprises shearing a blank laterally from a round bar, pressing said blank in a die without being heated to form a solid block presenting an upper cylindrical collar and a lower rounded shoulder, this blank being then pressed in a second operating stage and also without being heated into the form of a cup having a more elongated form than the pressed block and the same upper diameter as the pressed block.

2,028,997
BUILDING BLOCK
Albert Joseph Schmitz, Milwaukee, Wis.
Application June 20, 1933, Serial No. 676,451
2 Claims. (Cl. 72—41)

1. A wall comprising block units, placed end to end in courses, each unit formed with openings

extending through the unit, one of said openings having an open side, and each unit formed at opposite ends with a projecting offset, the offset at one end projecting from the upper portion of the block and the offset at the opposite end projecting from the lower portion of the block, the offset at one end overlapping the offset of an adjoining block, when the blocks are laid in courses, the offset at each end having a thickness equal substantially to one half the depth of the block



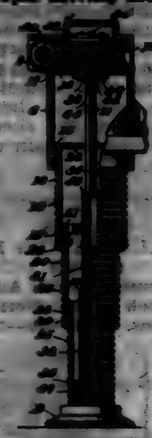
and a width equal substantially to the width of the block, the offset at one end of a block closing the open side of the through-extending in an adjoining block; additional blocks at the ends of the courses where window or door jambs occur, formed each with substantially L-shaped recesses forming an opening through said end blocks, and substantially rectangular shaped header blocks fitted between the door or window jamb and adjoining block formed with the L-shaped recesses.

2,028,998
METHOD OF SWEETENING HYDROCARBON OILS
Walter A. Schulze and Lovell V. Chaney, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Application December 2, 1933, Serial No. 700,700
10 Claims. (Cl. 196—30)

1. An improved method for sweetening a mercaptan-bearing petroleum hydrocarbon fluid, comprising treating said fluid with a hypochlorite solution in the absence of oxygen carriers, whereby a part of the mercaptans are converted to disulfides and the rest to alkyl sulfur chlorides, said alkyl sulfur chlorides remaining in the hydrocarbon fluid, separating said fluid from the hydrochlorite solution, treating the fluid with a strong reducing solution of a water soluble alkaline salt selected from the group consisting of the alkali and alkaline earth sulfites, cyanides and stannites, whereby the alkyl sulfur chlorides are reduced to disulfides, and separating the improved sweetened hydrocarbon fluid from the reducing solution.

2,028,999
JACKING APPARATUS FOR MOTOR VEHICLES
Frederick Soles, Albany, N. Y.
Application November 13, 1934, Serial No. 752,939
7 Claims. (Cl. 254—95)

1. A jacking apparatus of the character described comprising a jack mounted on an axle, said jack having a series of telescopic screw members therein, a geared driving mechanism seated in said jack, telescopic drive means connected to said geared mechanism and said telescopic screw members and driving means positioned in said geared mechanism and connected with said telescopic driving means for rendering



said driving means inoperative upon completion of the lifting and lowering operations.

2,029,000
ERASER
Edwin A. Bell, Belleville, N. J., assignor to Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey
Application April 11, 1935, Serial No. 15,737
2 Claims. (Cl. 120—36)



1. In a brush attachment for erasers, wherein a disk eraser has a central hole, wherein a pair of yoke arms are pivotally connected to the eraser at the central hole with the arms extending radially beyond the periphery of the eraser and wherein a brush is mounted between the outer ends of the yoke arms, a cup for the inner end of the brush pivotally mounted between the outer ends of the yoke arms whereby the brush may be angularly adjusted relative to the yoke arms and eraser.

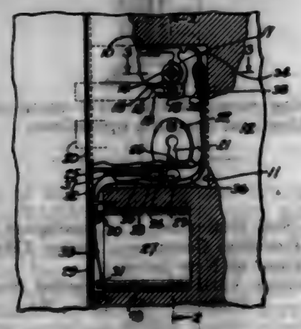
2,029,001
BOTTOM CONSTRUCTION FOR LAMINATED CONTAINERS
David C. Shepard, St. Paul, Minn.
Application February 27, 1933, Serial No. 658,687
11 Claims. (Cl. 229—5.5)



3. In a circular container having a wall structure formed of a number of layers of paper wrapped about one another and glued together,

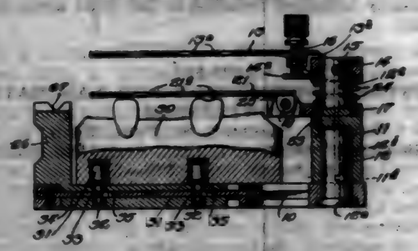
a bottom therefor constructed of square sheets of paper glued one upon the other and disposed in progressive angular relation with respect to each other to uniformly distribute the corners about the periphery of the bottom, said sheets being formed to provide a body portion adapted to extend across the lower end of the wall structure and a flange connected therewith and embodying the corners of the sheets, said flange being disposed between certain of the layers of the wall structure.

2,029,002
KEYHOLE ILLUMINATING MEANS FOR DOORS
David E. Smiley, Santa Ana, Calif.
Application March 6, 1933, Serial No. 659,390
2 Claims. (Cl. 240—2.13)



1. A door having a lock provided with a keyhole, a latch bolt, and a manually operable actuator for the latch bolt; an electric lamp supported within the door in a position for light rays from the lamp to be visible through the keyhole when the lamp is lighted, while rendering the keyhole free for the insertion of a key; and a circuit including a battery enclosed within the door, conductors insulated from each other and electrically connected to the battery and lamp, said conductors having spaced terminals, and means operable by said actuator from exteriorly of the door to complete the circuit through said terminals and thereby supply current from the battery to the lamp.

2,029,003
ART OF DENTISTRY
Harry Spiro, Chicago, Ill.
Application June 15, 1933, Serial No. 675,978
6 Claims. (Cl. 32—27)



5. In an articulator adapted to support a centric bite cast by means of a bite cast tray; a base adapted to support a master cast; a post on said base; a registry device on said base spaced from said post; and means on said post for supporting a functional bite cast with a portion of said cast in cooperation with said registry device.

2,029,004
METHOD OF AND APPARATUS FOR MOLDING CONCRETE
Alfredo Vercl, Fallanca, Italy
Application January 2, 1934, Serial No. 704,881
In Italy January 3, 1933
8 Claims. (Cl. 25—118)



1. Apparatus for molding in successive section lengths long floating concrete structure, comprising a trough mold section adapted to be readily disengaged in a downward direction from the structure molded therein, a plurality of flotation chambers extending along the outside of each side member of the trough section, means for flooding and emptying said chambers individually, and working closures for the ends of the trough, and provisional closures capable of sealing the end of the trough near the working closure to enable the latter to be removed and of being slid longitudinally of the trough before concrete is poured in the latter.

4. A process for molding in water floating monolithic concrete structures, comprising assembling and floating in water a plurality of mold sections and flotation chambers to form a trough in the line of the structure to be formed and including inner and outer mold sections considered longitudinally of the structure, sealing the free ends of the trough by means of working closures, removing water from the trough, mounting in the trough framing for molding the walls and partitions of a length of the structure, casting concrete in the trough, allowing the concrete to set, disconnecting inner mold sections from outer mold sections and removing the former downwardly from the structure, substituting provisional for the working closures at the ends of the trough, attaching the removed mold sections to the outer ends of the outer section to form an extension of the trough in the direction of construction, and repeating the procedure to add further lengths to the structure.

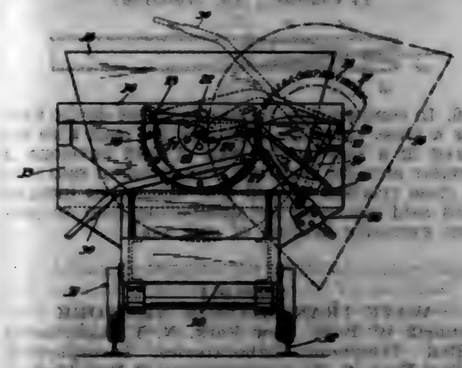
2,029,005
KNITTING NEEDLE STITCH HOLDER
Harriett A. Webber, Coronado, Calif.
Application March 27, 1935, Serial No. 13,154
7 Claims. (Cl. 66—117)



7. In a knitting needle stitch holder, a resilient and elastic pad consisting of two resilient and elastic flat pads placed side by side, and means for holding said pads in engaged relation with each other, said pads provided with holes therein of very small size relative to the needle.

2,029,006
LATCHING AND RIGHTING MECHANISM FOR DUMP CARS
Fred E. Wedlake and Hannibal Hart, Eveleth, Minn.
Application March 6, 1933, Serial No. 659,594
16 Claims. (Cl. 105—244)

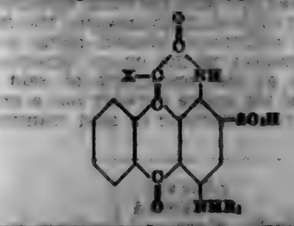
6. A dump car including a frame and a car body rotatable on said frame in either direction from an upright to a dump position, a projection extending from each end of the body respectively and having lateral movement in a horizontal plane upon rotation of the body, a latch associated with each projection, one latch preventing movement of its projection in one direction only and the other latch preventing movement of its projection in the opposite direction, and means associated with each latch operable to release the



latch to permit lateral movement of the released projection in a certain direction, said releasing means maintaining a position in advance of said projection, whereby said releasing means has utility in returning the car body from a dump to an upright position.

2,029,007
ANTHRAPYRIDONE SULFONIC ACIDS AND THE PROCESS OF MAKING THEM
Klaus Weinand, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 11, 1932, Serial No. 642,152. In Germany November 14, 1931
2 Claims. (Cl. 260—43)

7. The compounds of the type

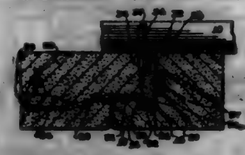


in which X stands for —CO—CH₃ or —COO—alkyl, and R_1 stands for an alkyl-, phenyl-, chlorophenyl-, acetamino-phenyl-, benzyl-, hydronaphthyl-, or hydrophenyl group, said compounds forming red to blue crystals, soluble in water with the same colorations, in strong sulphuric acid with a yellow to red coloration, dyeing wool from an acid bath clear red to violet shades of good fastness properties.

2,029,008
MEANS FOR AND METHOD OF MARKING
Ralph A. Wilson, Chicago, Ill., assignor of one-half to George A. Charlton
No Drawing. Application February 15, 1933, Serial No. 656,841
4 Claims. (Cl. 134—37)

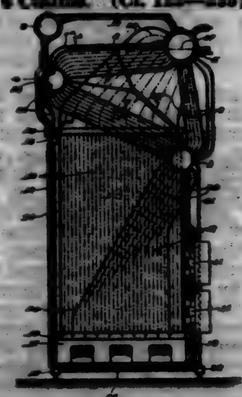
3. An adhesive comprising approximately 55% volatile solvent, 30% rubber cement, 5% latex, and 5% of a heavy drying-retardant mineral oil.

2,029,009
BUILDING CONSTRUCTION
Harold E. Ansing, Evanston, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application April 13, 1934, Serial No. 721,861
9 Claims. (Cl. 72—68)



7. In a building slab, a rectangular cementitious slab having outstanding tongues formed on opposite longitudinal and transverse edges and on opposed faces, and an L-shaped metallic runner partially embedded in one only of said longitudinal edges, said runner extending at the surface of the angular intersection of a longitudinal tongue and said slab.

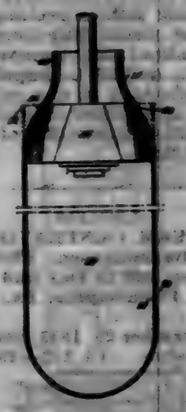
2,029,010
STEAM GENERATOR
John Phillips Badenhausen, Philadelphia, Pa., assignor of one-half to Day and Zimmermann, Incorporated, Philadelphia, Pa., a corporation of Maryland
Application September 22, 1933, Serial No. 691,284
6 Claims. (Cl. 122—235)



1. In a steam generator, the combination with a water tube boiler section, including a plurality of drums and a plurality of banks of water tubes connecting said drums in series to provide for a continuous circulating flow of water in a closed or endless path through said series of drums and banks of tubes, one of said drums being an upper steam-and-water drum and a second of said drums being a water drum continually filled with water during the operation of the boiler, of a combustion chamber, including a front wall, a bank of vertical tubes lining the inner surface of said front wall and exposed to the radiant heat of the combustion of fuel in said chamber, means to conduct water from a relatively cool point in the circulatory system of said boiler section to the lower ends of said bank of vertical tubes lining said front wall, means within said water drum providing a chamber closed to the interior of said drum, means to conduct steam and water from the upper ends of said bank of vertical tubes into said chamber, means to conduct the steam and water delivered to said chamber and to deliver the same into said steam-and-water drum in substantially the same direction that the cir-

culating water of said boiler section enters said steam-and-water drum whereby the steam and water delivered from said vertical bank of tubes and passing through said water drum does not disturb the free movement of the water of said boiler section through said water drum.

2,029,011
SEAMLESS TANK
Blasius Bart, East Orange, N. J.
Application February 2, 1931, Serial No. 512,902
5 Claims. (Cl. 204—6)



1. In the art of forming hollow articles, the method which consists in housing in the open end of a cylindrical shell of electrolytically deposited metal a collapsible chuck, and a preformed metallic collar having an annular groove at one end and a bendable lip on the outside of the collar and lapping the groove and spinning the open end of the shell into the groove and causing the portion at the open end to conform to the outlines of the chuck and incidentally bending the lip into position to secure the open end of the shell in the groove, removing the chuck, positioning a blanking off member on the preformed member and subjecting the shell and exposed part of the preformed member to the action of an electrolytic tank to form thereon a layer of metal extending across the joint between the preformed member and the shell thereby to form a smooth exterior to the article as a whole and to give rigidity to the article as a whole.

2,029,012
PHONOGRAPH RECORD AND METHOD OF MAKING THE SAME
Nat T. Beans, Palisade, N. J., and George H. Walden, Jr., and Louis P. Hammett, New York, N. Y.
No Drawing. Application November 20, 1929, Serial No. 408,668
15 Claims. (Cl. 18—48.4)

3. The method of making a moldable material comprising mixing together resorcinol, alcohol, and paranitroaniline; heating said mixture to 70° C. until solids are dissolved; adding 40% formaldehyde, and maintaining the temperature at substantially 70° C. until the precipitate formed is dissolved; continuing heating at 70° C. until the fluid reaches the consistency of thick molasses, adding alcohol; cooling the solution to 30° C. and adding Turkey red oil.

2,029,013
CATHODE FOR DISCHARGE DEVICES
Phillip W. Blackburn, East Orange, N. J., assignor to Westinghouse Lamp Company, a corporation of Pennsylvania
Application March 23, 1932, Serial No. 600,273
14 Claims. (Cl. 176—126)



6. In combination, a glow discharge device having a glass envelope, a conductive lead wire secured in a seal in the wall of said envelope, a tubular metallic electrode supported on said wire in close relation to said seal and spaced integral with said electrode for dissipating heat to prevent excessive heating of said seal.

2,029,014
WAVE TRANSMISSION NETWORK
Hendrik W. Bode, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 31, 1934, Serial No. 708,078
20 Claims. (Cl. 178—44)



1. In a wave transmission network of the ladder type having impedance branches in series with the line and alternately disposed impedance branches in shunt therewith, the attenuation of said filter in its transmission band varying with frequency due to the dissipation inherent in the reactance elements comprising said network, two impedance branches, a third impedance branch interposed therebetween, and internal means for equalizing the transmission characteristic of said network in its transmission band, said means comprising an additional dissipative impedance branch inserted in said network effectively at the mid-point of said third branch, the impedance of said additional branch being proportioned with respect to the image impedance of said network at the mid-point of said third branch so that the entire network has a uniform transmission characteristic in said transmission band.

2,029,015
ANTENNA
Otto Böhm, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 9, 1930, Serial No. 474,115
In Germany August 27, 1929
3 Claims. (Cl. 250—33)



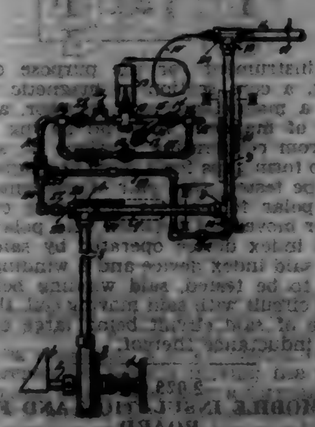
1. An antenna array comprising a plurality of linear radiators arranged around a circle and disposed at equal distances from a central nonradiating point, certain of said radiators being spaced apart from each other a distance equal to a whole multiple of one-half the length of the communication wave, and means for exciting said radiators cophasally.

2,029,016
WINDOW FASTENER
Oscar F. Calkins, Bayside, N. Y.
Application July 24, 1933, Serial No. 681,347
7 Claims. (Cl. 292—32)



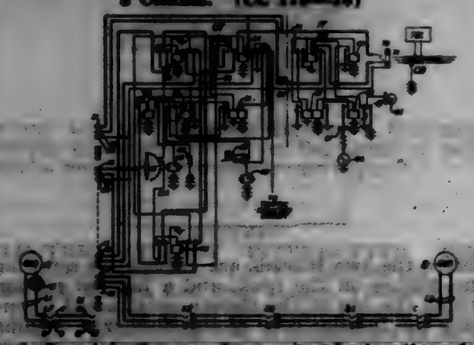
1. A lock mechanism for windows comprising a lock control element adapted to be mounted in each side of a window sash and having upper and lower surfaces inclined in opposite directions from each other, a lock element associated with each surface and wedged thereby against a window frame to prevent movement of the sash in one direction, and means to move said locking element out of wedging engagement with said frame and to also adjust the sash in said direction.

2,029,017
PASTEURIZATION
Robert K. Cooney, Yankton, S. Dak., assignor of one-half to Frank J. Keesling, Yankton, S. Dak.
Application March 12, 1934, Serial No. 714,513
16 Claims. (Cl. 241—15)



2. Pasteurizing apparatus for liquids comprising an outer duct having a section to provide a uniform cross-section chamber therealong as a heating zone, an inner duct centered as to the outer duct in said zone, heating fluid supply means to the inner duct, there being a plurality of longitudinally extending series of inclined openings from the inner duct for passing the heating fluid as jets into the liquid, and flow promotion means for causing the liquid to travel as a uniform cross-section stream filling the heating zone and moving through the zone while being heated by the heating fluid from said jets, said travel of the stream being in the direction of the inclination of said jets, liquid inport in and from said heating zone.

2,029,018
TELEPHONE SYSTEM
John R. Cruickshank, Hollis, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 2, 1931, Serial No. 572,333
8 Claims. (Cl. 179—16)



1. In a telephone system, a trunk circuit, a plurality of branches incoming to said trunk circuit, trunk conductors outgoing from said trunk circuit, means for seizing said trunk circuit over any one of said plurality of incoming branches, impulse receiving means in said trunk circuit, switching means for connecting said incoming branches to said outgoing conductors, and means for rendering said switching means operatively effective after a required plurality of series of impulses have been received, the required plurality of series of impulses varying in accordance with the particular branch over which said trunk circuit is seized.

2,029,019
ELECTRIC OUTLET MOLDING
Albert P. Dorsey, Poughkeepsie, N. Y.
Application February 19, 1934, Serial No. 711,531
1 Claim. (Cl. 247—3)

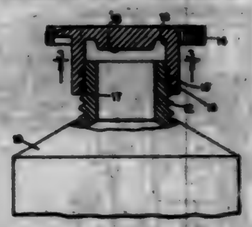


An electrical outlet molding comprising a sheet metal casing including a rear wall and upper and lower vertically spaced walls extending therefrom and having angularly disposed flanges on their free edges, a front closure member for the casing formed of insulating material and T-shape in cross section, the arms of the member having grooves in their longitudinal edges to receive the flanges of the casing, securing members passable through the member and adapted for engagement in the rear wall of the casing to hold the flanges in adjustable engagement in said grooves, feeding strips secured to the arms of the member, resilient contacts secured to the strips, said member having openings therein for the passage of plug prongs adapted to engage the contacts.

2,029,020
CONTAINER CLOSURE
William Erhard, North Bergen, N. J., assignor to Globe Collapsible Tube Corporation, Brooklyn, N. Y., a corporation of New York
Application March 1, 1933, Serial No. 659,122
3 Claims. (Cl. 222—89)

1. In a collapsible container of the screw cap type, a neck around the discharge opening having a screw thread on the exterior and an

unthreaded guiding portion above the thread, a cap having a thread to cooperate with the thread and an unthreaded guiding portion to cooperate with the guiding portion on the neck, said guiding portions engaging telescopically and freely to align the closure and the neck axially



before the two threads are engaged in screwing the closure on the neck, and a tapered portion within the top of the closure constructed to engage the interior edge of the discharge opening and seal said opening when the screw threads are fully engaged.

1,989,031
CREAM COOLER
Edward Franklin and Thorsten Nelson, Fresno, Minn.
Application March 16, 1933, Serial No. 13,153
2 Claims. (Cl. 21—4)



1. A cream cooling and aerating device comprising a bowl provided with an upstanding neck, a funnel provided with a depending tube depending into the neck, a closure in the neck for the lower end of the tube, said tube being provided with outlet openings, inlet and outlet means for cooling agents on said bowl, and supporting means for the said bowl, said supporting means comprising a pan having a central opening and provided with upstanding studs for spacing the said bowl from the pan.

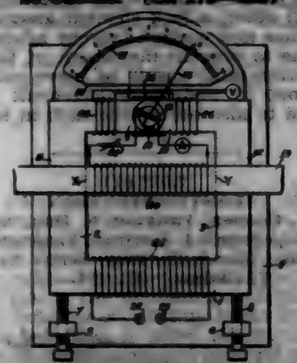
1,989,032
EXTENSION HEAD FOR LIFTING JACKS
Frank A. Graham, York, Pa., assignor to American Chain Company, Inc., Bridgeport, Conn., a corporation of New York
Application November 16, 1934, Serial No. 753,378
9 Claims. (Cl. 254—1)

4. A head for a lifting jack comprising, a bearing member formed with a vertical bore, and a rest plate formed with a stem adapted to fit slidably within said bore, said stem being formed with a pair of diametrically opposed keys and said bore being formed with two pairs of diametrically opposed key slots adapted to receive



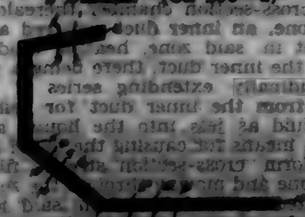
said keys, one pair of key slots being materially shorter than the other.

1,989,033
INSTRUMENT FOR MEASURING CORE LOSS IN MAGNETIC MATERIALS
Paul L. Hoover, Middlebush, N. J., assignor to Endowment Foundation, New Brunswick, N. J., a corporation of New Jersey
Application June 14, 1933, Serial No. 675,622
20 Claims. (Cl. 175—183)



1. An instrument for the purpose described including, a core section of magnetic material carrying a magnetizing coil therefor, a pair of elements of magnetic material having portions spaced from cooperating portions on said core section to form gaps for a piece of magnetic material to be tested, said pair of elements having opposed polar formations, a moving coil positioned for movement between said polar formations, an index device operated by said coil, a scale for said index device and a winding for the material to be tested, said winding being connected in circuit with said moving coil, the ohmic resistance of said circuit being large compared with the inductance thereof.

1,989,034
AUTOMOBILE INSULATION AND FLOOR BOARD
Clarence I. Justheim, Salt Lake City, Utah
Application September 12, 1932, Serial No. 633,240
2 Claims. (Cl. 296—1)



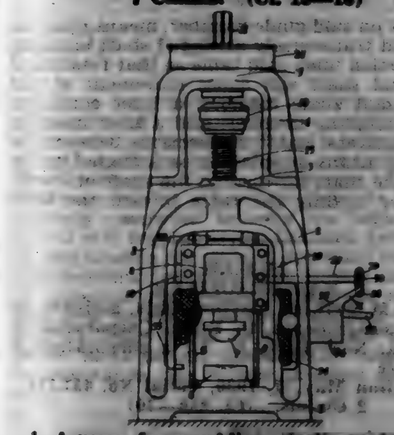
1. In a floor board for automobiles, the combination of two sheets of metal having one flanged

to secure them together, but spaced apart over the entire flat or curved surface thereof; sheets of very thin metallic reflecting material carried between the two sheets with one side of the reflecting material formed with concave facets and the other side with convex facets to diffuse the heat and cold with sealed air spaces between the sheets and the metallic reflecting material.

1,989,035
METHOD OF FREEZING ICE CREAM AND FORMULA THEREFOR
Clarence I. Justheim, Salt Lake City, Utah
No Drawing. Application March 1, 1934, Serial No. 713,325
5 Claims. (Cl. 99—11)

1. A method of making a frozen confection comprising combining powdered gelatine, powdered egg, powdered skim milk, cream, sugar, flavoring and mixing the entire formula by quick stirring motions with powdered solid carbon dioxide.

1,989,036
PRESS
Rudolph John Kaula, Edgbaston, Birmingham, England, assignor to The General Electric Company Limited, London, England
Application July 31, 1934, Serial No. 737,735
In Great Britain August 1, 1933
7 Claims. (Cl. 18—16)

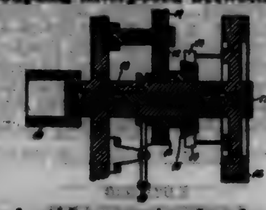


1. A press for moulding plastic material comprising cooperating mould portions, one of which is movable relative to the other into position for the forming operation, a screw having relatively coarse threads for rapidly moving the movable mould portion before and after a forming operation, a screw having finer threads than the first screw for exerting pressure on the movable mould portion during the forming operation, an electric motor for driving both the coarse and fine screws and circuits including control means for maintaining the motor in circuit during the forming operation.

1,989,037
STRIP RECORD SUPPORTING AND DRIVING APPARATUS
Edward W. Kellogg, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 7, 1932, Serial No. 620,020
9 Claims. (Cl. 274—13.2)

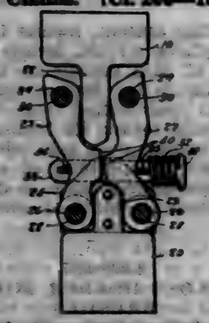
1. The combination of a film-supporting driving means for moving said film, inertia means ar-

ranged to move with said support, and a variable-friction coupling interposed between said driving



means and said support, whereby a frictional driving torque dependent on the speed of said inertia means is imparted to said support.

1,989,038
ELECTRIC CIRCUIT INTERRUPTER AND SEPARABLE CONTACTS THEREFOR
Edwards Knauss and Otto Jensen, Philadelphia, Pa., assignors to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey
Application February 15, 1934, Serial No. 711,315
20 Claims. (Cl. 200—166)



1. In an electric switch relatively movable contact structures one of which comprises a pair of bridging elements, mounting means providing independent limited freedom of movement for each of said elements, a conducting member disposed between said bridging elements and provided with contact surfaces independent of said mounting means arranged to be engaged by the corresponding bridging elements, another of said movable contact structures positioned between said bridging elements in the closed circuit position, and a spring interconnecting said elements intermediate the ends thereof and in spaced relation from said conducting member and said other of said movable contact structures when in said circuit closing position for biasing said bridging elements into engagement with said other of said movable contact structures and into wiping and rolling engagement with said conducting member.

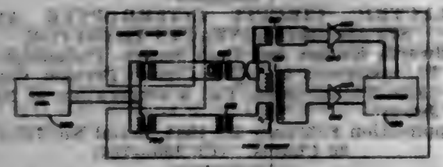
1,989,039
IMPRINTING MEANS FOR IDENTIFYING CHARTS OF RECORDING INSTRUMENTS
Herman Koester, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application June 15, 1934, Serial No. 730,760
2 Claims. (Cl. 234—1)



1. Stamping means for imprinting upon the removable charts of graphic instruments indicia

identifying the same, said means being attachable to the instrument and comprising a reciprocable element, a platen and inking means lying substantially in a common plane, and means to urge the reciprocable element toward the said plane, whereby indicia may be impressed upon the chart when the latter is presented between the reciprocable element and platen and the said element inked when juxtaposed to the inking means.

2,029,630
TESTING SYSTEM
Frank K. Low, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 25, 1934, Serial No. 741,263
15 Claims. (Cl. 179—175.2)



1. In a testing system, means for generating signals, a telephone circuit, means for transmitting a series of said signals to said telephone circuit, and means for testing the accuracy of said signals as transmitted over said telephone circuit comprising means for transmitting duplicate series of signals over said telephone circuit and over means independent of said telephone circuit, and means responsive to differences between said signals to sound an alarm.

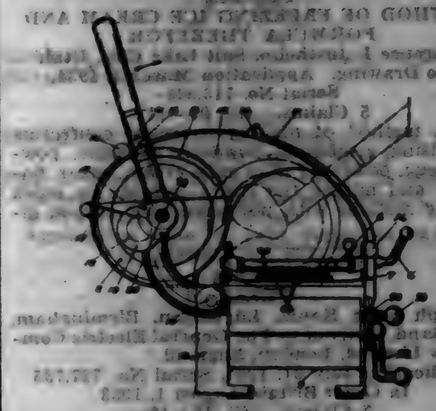
2,029,631
DENTAL FLOSS HOLDER FOR TOOTHBRUSHES
Jacob Novick, Newark, N. J.
Application April 15, 1934, Serial No. 722,243
2 Claims. (Cl. 132—91)



1. In a device of the kind described, a handle member having a projecting prismatic end having a pair of opposite side faces at angularly disposed planes, a pair of floss holding arms pivoted to the forward ends of said side faces to lie flat against the faces in housed position, said arms having means at their free ends to attach a strand of dental floss said arms being movable on their pivots from inoperative positions parallel to the sides to which they are pivoted to operative positions in a plane at right angles to the axis of the prism whereby a strand of dental floss attached to the free ends of the arms in their inoperative position will be stretched as the arms are moved to operative position.

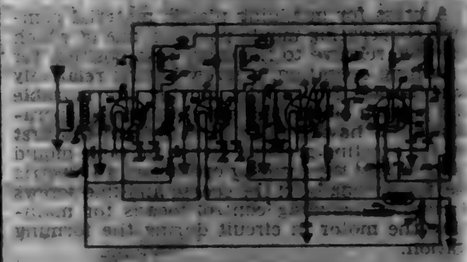
2,029,632
MACHINE FOR SLICING MEATS
Karl Eric Olsson, Stockholm, Sweden
Application September 13, 1933, Serial No. 689,197
10 Claims. (Cl. 146—102)

1. In a slicing machine, a frame, a shaft journaled in the frame, an arm carried at one end of the shaft and adapted for reciprocal movement, a rotary knife journaled on the arm, a table in the frame movable perpendicularly to the path of the knife, a coupling connected to said shaft and adapted to be actuated as the knife is swung from slicing position and to be released as the arm is swung toward slicing position, a second shaft journaled in the frame and extending transversely of the first shaft, a guide member and a carrier for the table mounted for



movement on said guide member, means upon the second and transversely arranged shaft engaging with a portion upon said table so that rotation of said second shaft will cause movement of said table on said guide member, a lever connected with the coupling member, and a lever mounted on the transverse shaft, connections between the levers and means adapted to be actuated by the lever on the shaft for turning the shaft in the direction for feeding the table toward the knife path.

2,029,634
RADIORECEIVER
Laurence M. Perkins, Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 11, 1933, Serial No. 467,728
2 Claims. (Cl. 250—20)

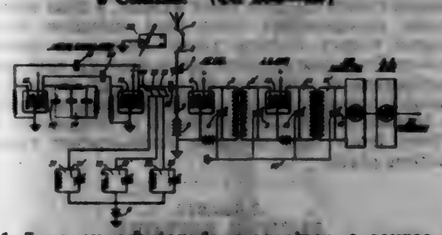


1. In combination with a radio receiver of the type including a high frequency amplifier, a detector including a tube provided with a screen grid electrode, and an automatic gain control connection between the plate circuit of the detector and a gain control electrode of said amplifier, a source of positive potential for said screen grid, and means for adjusting the screen grid potential to regulate the volume output of said receiver.

2,029,634
PRESSED FIBER BOARD AND METHOD OF MANUFACTURE
Robert T. Pollock, New York, N. Y., assignor to Respass, Inc., Cranston, R. I., a corporation of Rhode Island
No Drawing. Application July 21, 1933, Serial No. 682,970
4 Claims. (Cl. 92—3)

1. The process of producing hard pressed board, which comprises reducing uncooked wood and vegetable matter to fibrous states, mixing and sheeting the uncooked wood and the vegetable fibers with an excess of wood fibers over the vegetable fibers, drying and pressing to hard board.

2,029,635
MULTIRANGE SUPERHETERODYNE RECEIVER
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 21, 1933, Serial No. 694,545
8 Claims. (Cl. 250—20)



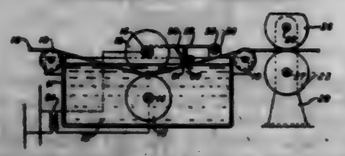
1. In a superheterodyne receiver, a source of signal currents comprising the series connection of a capacity type antenna and a high resistance, a local oscillator including a tunable circuit, a first detector coupled to said source of signals, a condenser having a low impedance to the signal currents connected between the high potential end of said resistance and the high potential end of said tunable circuit, said oscillator tunable circuit including an adjustable tuning means, and an intermediate frequency network coupled to said first detector, said intermediate frequency network being tuned to a frequency of a value so low as to permit substantially maximum signal resonance rise in said oscillator tunable circuit.

2,029,636
TOY GUN FOR PROJECTING AEROPLANES
William J. Reitner, Brooklyn, N. Y.
Application October 2, 1934, Serial No. 746,488
4 Claims. (Cl. 124—12)



1. A device of the class described, comprising a gun stock pivotally connected with a gun barrel, a plunger in the barrel, a spring urging said plunger forwards, a trigger on the barrel adapted to hold the plunger in a rear position in which the gun is loaded, an element pivotally mounted on the gun stock and associated with the plunger and adapted to draw the plunger rearwards when the gun is bent at the junction of the gun stock and barrel, said barrel being formed with a longitudinal top opening, a pin on the plunger engaging in said opening and coactable with a pin projecting from a toy airplane to propel the airplane as the plunger moves forward, and a pair of flanges on the sides of said opening forming tracks for guiding said airplane, said pair of flanges being pivotally mounted intermediate of their ends and adapted to assume various adjusted tilted positions for projecting the toy airplane at various desired angles.

2,029,637
PROCESSING OF METAL PARTS
De Hart G. Serantoni, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 3, 1933, Serial No. 656,443
4 Claims. (Cl. 148—10)



1. A method of manufacturing metal articles which comprises passing a strip of metal stock longitudinally thereof between opposed electrical contact members touching the strip at opposite sides of the same portion only and extending over only a portion of the width of the strip, simultaneously passing an electric current through the contact members and the portion of the strip therebetween only whereby only the portion of the strip between the contact members is heated, and simultaneously maintaining the contact faces of the members and the portion of the strip therebetween immersed in a quenching liquid whereby the heating effect of the electric current on the strip is confined to substantially the portion of the strip between the contact members and whereby the heated portion of the strip is immediately quenched.

2,029,638
ELECTRIC CABLE
Thomas R. Scott and Thomas K. D. Menzies, Aldwych, London, England, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 6, 1932, Serial No. 603,471
In Great Britain June 18, 1931
5 Claims. (Cl. 173—266)

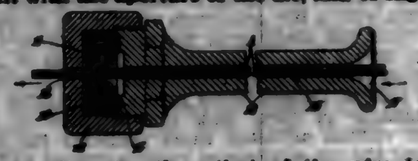


1. An electric power cable having a fluid impregnated dielectric and a device having a negative temperature coefficient of cubical expansion arranged within the cable to compensate for changes in volume of said fluid dielectric due to change of temperature.

2,029,639
PROCESS AND APPARATUS FOR WIRE DRAWING
Aaron Simons, New York, N. Y.
Application November 6, 1934, Serial No. 751,676
4 Claims. (Cl. 204—29)

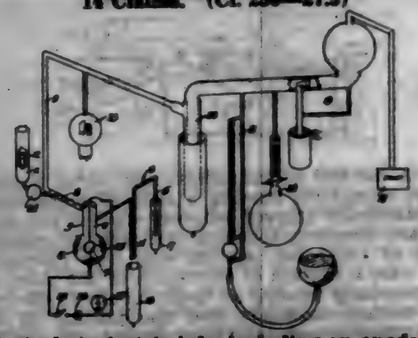
1. A wire drawing apparatus including a pair of detachable casing sections adapted to receive a wire drawing die therebetween, one of said sec-

tions having a long cylindrical passage in alignment with the aperture of the die, and of slightly



greater diameter than that of the wire to be drawn.

2,029,640
PHOTO-ELECTRIC TUBE
George R. Stilwell, Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 18, 1929, Serial No. 356,695
14 Claims. (Cl. 250—27.5)



1. A photoelectric tube including an anode and a light sensitive electrode having a base metallic layer, a thin layer of dielectric thereon, a thin film of light sensitive material on said dielectric, and another thin layer of dielectric material upon said thin film of light sensitive material.

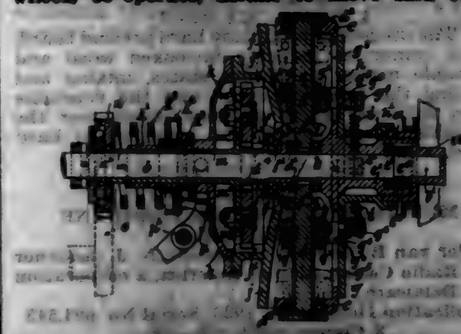
2,029,641
LOADED TRANSMISSION LINE
Maurice E. Strieby, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1931, Serial No. 584,945
8 Claims. (Cl. 178—45)



1. In a signaling system, a transmission line comprising a central conductor and a return conductor concentric therewith, said line being divided by joints into a plurality of sections, members of magnetic material encircling said central conductor at said joints for lump loading said line, adjacent ends of said sections of outer conductor being spaced apart by a distance comparable with the diameters of said conductors so that said members may readily be inserted, and means at said joints for electrically connecting said sections.

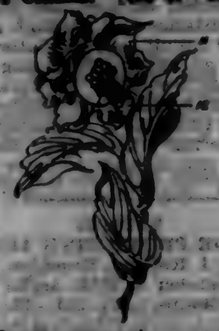
2,029,642
VARIABLE SPEED MECHANISM
William Turner, Longsight, Manchester, England
Application February 26, 1933, Serial No. 658,228
In Great Britain February 23, 1934
6 Claims. (Cl. 74—206)

1. Variable speed mechanism for motor vehicles or other purposes comprising a stationary shaft, a rotary mass, means to drive said rotary mass, radial shafts carried by said rotary mass, gear to actuate said radial shafts, friction wheels on said radial shafts, means to guide said friction wheels to permit of inward and outward movement of same, an axially movable cone-shaped rotary friction plate with which said friction wheels co-operate, means to move said cone-



shaped rotary friction plate axially, a gear mechanism co-operating with said movable cone-shaped rotary friction plate, means to convey motion from the friction plate through said gear mechanism to a part to be driven, all whereby a variable speed from "neutral" to a maximum can be transmitted to and conveyed to the part to be driven from said movable cone-shaped rotary friction plate.

2,029,643
FLOWER SUPPORT
Rand E. Wendell, Wilmette, and Frank Hlavacek, Jr., Evanston, Ill.; said Wendell assignor to said Hlavacek
Application November 13, 1933, Serial No. 642,769
Renewed June 25, 1935
5 Claims. (Cl. 47—38)



1. In a flower support, a petal-reinforcing member having a portion deflected from its face, the walls of said deflected portion being adapted to engage the stem of a flower, and means for increasing the normally effective biting quality of said deflected portion.

2,029,644
PROCESS OF MAKING CABLES
Anton Westhäuser, Leverkusen-Lowenich, Germany
Application October 12, 1933, Serial No. 693,153
In Great Britain February 25, 1933
6 Claims. (Cl. 113—23)

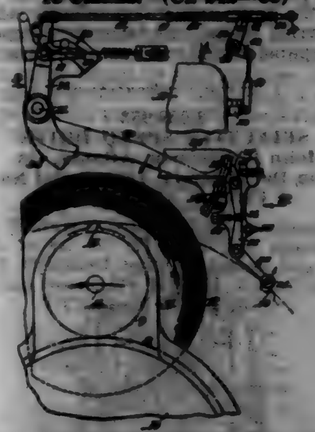
1. The process of welding a certain part of aluminium mantles for heavy and light current cables while keeping another part cool consisting in bending a flat sheet of aluminium or its alloys into a trough-like shape, introducing the core into

the latter, arranging a shoe between the core and the edges of the bent sheet, cooling the shoe and



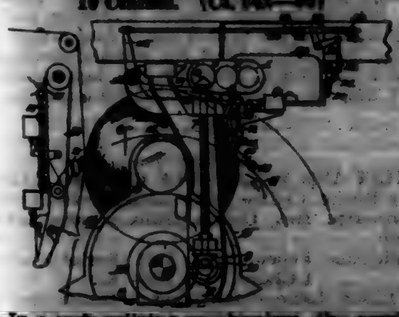
simultaneously welding the edges of the sheet together while passing the sheet and core longitudinally of the shoe.

2,029,645
WEB ROLL SPEED CONTROL
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application June 30, 1931, Serial No. 547,358
Renewed October 8, 1934
18 Claims. (Cl. 242—58)



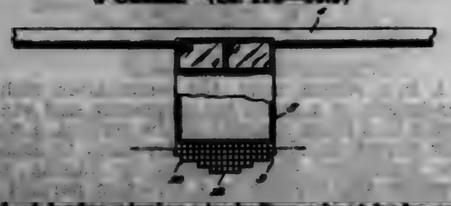
17. In a web splicing device, the combination with a rotatable web roll support and means for speeding up a fresh roll through its central axis, of means for regulating the speed of the speeding-up means, and means whereby said regulating means is set by the rotation of the web roll support.

2,029,646
WEB SPLICING DEVICE
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application November 15, 1933, Serial No. 698,122
Renewed December 4, 1934
10 Claims. (Cl. 242—58.2)



1. In a web splicing mechanism, the combination with means for rotating the fresh web roll, and means controlled by the diameter of said fresh roll for varying the speed of said rotating means to bring the surface speed of the fresh roll substantially to web speed at the time of splicing, of means for reducing the speed of the fresh roll driving means immediately after the fresh roll is spliced to the running web for the purpose of producing tension on the web.

2,029,647
CELLULAR BOTTOM CONSTRUCTION FOR THE BOAT BODIES OF HYDROAIRPLANES
Harry N. Atwood, South Lyndeboro, N. H.
Application September 14, 1934, Serial No. 744,066
5 Claims. (Cl. 114—66.5)



1. A hydro-airplane including a boat body, and a water contacting element forming an auxiliary bottom for the boat body and constructed of hermetically sealed tubular members approximately straight throughout their entire lengths and arranged in superposed layers with the layers gradually decreasing in width toward the bottom of the contacting element to form transverse steps and with certain of the layers shorter than the others to form longitudinal steps.

2,029,648
TUBULAR STRUCTURAL UNIT AND METHOD OF MAKING THE SAME
Harry N. Atwood, South Lyndeboro, N. H.
Application July 11, 1934, Serial No. 737,838
9 Claims. (Cl. 154—2)



2. A structural unit comprising tubular members assembled side by side with their adjacent surfaces in intimate contact and bonded together, and a coating of cellulosic plastic material covering the assembled tubes and bonded thereto.

2,029,649
BUILT-UP CELLULAR STRUCTURE AND METHOD OF MAKING THE SAME
Harry N. Atwood, South Lyndeboro, N. H.
Application July 31, 1934, Serial No. 737,839
8 Claims. (Cl. 154—2)



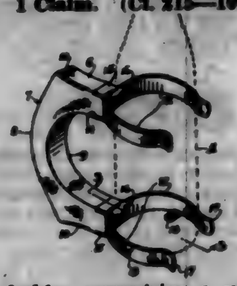
1. A composite structural unit comprising a plurality of tubular members each formed of superposed plies of wood veneer wound in spiral form with the wood veneer of adjacent plies overlapping, said tubular members being disposed in superposed layers to form a built up structure with the tubular members of each layer having bonding engagement with each other and with the tubular members of adjacent layers, and an acetone solution containing cellulosic plastic material forming an exterior coating for the built up structure.

2,029,050
CONVERTIBLE SEDAN AND PHAETON
Raymond R. Birge, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application June 27, 1930, Serial No. 464,285
18 Claims. (Cl. 296—45)



1. In a vehicle body, the combination with a windshield, of a frame for supporting said windshield in a plane inclined to the vertical, a window having an edge portion arranged to engage the windshield frame, means for raising and lowering said window in a direction parallel to the plane of the windshield to maintain engagement between the windshield frame and the window, and means defining the window opening and including a portion of the windshield frame and a substantially vertical member at the rear of the opening, said window being dimensioned to completely fill the opening when in raised position.

2,029,051
BOTTLE HOLDER
Albert C. Blevins, Dallas, Tex., assignor to Nu-Deal Handle Co., Dallas, Tex., a co-partnership composed of D. G. Blevins and L. M. Rosenthal
Application June 20, 1933, Serial No. 676,537
1 Claim. (Cl. 215—100)



A bottle holder comprising a substantially U-shaped handle, resilient clips secured to the end of each leg of said handle, the outer edges of said clips being substantially coplanar with the outer surfaces of the legs of said handle, the ends of each leg being provided with recesses, and flanges extending from said clips into said recesses to facilitate assembling of said clips in proper position on said legs.

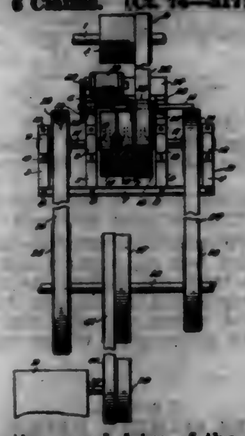
2,029,052
FURNACE
Clinton A. Bowen, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application November 10, 1933, Serial No. 697,501
2 Claims. (Cl. 263—46)

2. In combination, a glass melting furnace comprising a tank composed of a bottom and side blocks forming a relatively shallow trough, girders supporting the bottom, standards extending upwardly parallel with the side blocks, brackets on the standards, side walls supported on the brackets independently of the side blocks, brackets on the standards above the first mentioned brackets, a cap supported on the second mentioned brackets independently of the side walls, tuck-stones between the sides of the tank and the side walls and independently adjustable means



carried by the standards for holding the side blocks in place against the pressure of the contents of the tank and independently adjustable means carried by the standards for compensating for the expansion and contraction of the cap.

2,029,053
SELECTIVE SPEED DRIVE
John B. Brennan, Atlanta, Ga.
Application December 11, 1934, Serial No. 757,061
6 Claims. (Cl. 74—217)

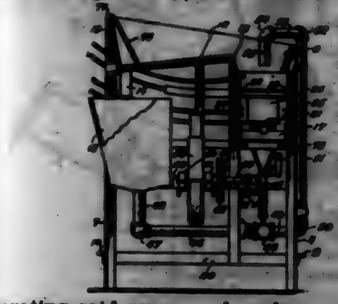


1. A selective speed drive of the character described comprising a pair of independently rotatably aligned shafts, a trio of pulleys, the outermost pulleys of the trio being connected to the inner extremities of the aligned shafts, the intermediate pulley being independently rotatable with respect to said shafts, a driven shaft, a pulley keyed to the driven shaft, and means connecting the free ends of the aligned shafts with the driving shaft, whereby the last-mentioned pulley may be operated at different speeds.

2,029,054
FRUIT AND VEGETABLE FILLING TABLE
Harry Burge, Celina, Ohio, assignor to Crampton Canneries, Inc., Celina, Ohio, a corporation of Ohio
Application February 21, 1935, Serial No. 7,651
1 Claim. (Cl. 226—43)

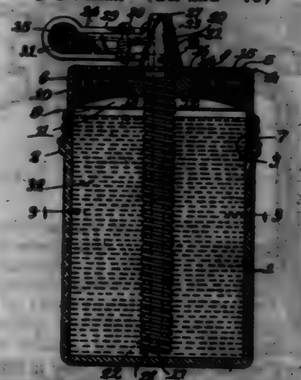
A filling table comprising a frame having a working table top adapted to support filling material, a guideway for receptacles extending along and at one side of one edge of said top, said top being inclined downwardly from said edge, a tank below said top, a gravity conveyor for moving

receptacles to the inlet end of said guideway, a pusher moving said receptacles from said inlet end on to said guideway, a pump connected to said tank for transferring liquid in measured quantities from said tank to a location directly above said guideway, means for simultaneously



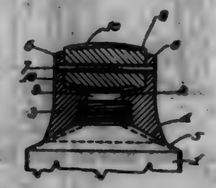
operating said pump and pusher, said top having an aperture through the lower part thereof for conducting liquid by gravity from the material on said top into said tank and a screen on said table top to prevent solid material passing through said aperture onto said tank.

2,029,055
DISPENSER
William H. Burke, Onawa, Iowa, assignor of one-fourth to G. W. Myriand and one-fourth to Geo. W. Prichard, both of Onawa, Iowa
Application November 22, 1934, Serial No. 754,346
3 Claims. (Cl. 221—79)



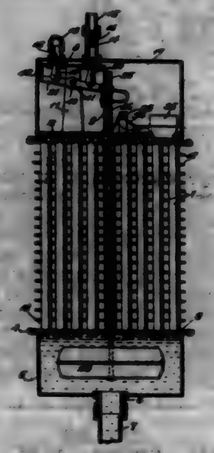
1. Dispensing mechanism comprising a container, a piston slidable in the container, operating means embodying a feed screw held for rotation but again longitudinal movement on the container, the feed screw being threaded into the piston, the operating means, including the feed screw, having a conduit for the discharge of the contents of the container, under pressure of the piston, a lever, fixed fulcrum means by which the lever is mounted on the operating means, the lever having a closure so located as to control the passage of the contents of the container through the conduit, the lever being disposed substantially at right angles to the axis of the feed screw, the fulcrum means comprising a part so located as to be engaged by the outer end of the lever whereby pressure exerted against the outer end of the lever first will swing the lever and move the closure to open position with respect to the conduit, and then rotate the screw, to advance the piston and force the contents of the container through the conduit.

2,029,056
ROTARY SPREADER
George E. Carlsen, Chicago, Ill., assignor to Carlsen Research Corporation, Chicago, Ill., a corporation of Illinois
Application December 1, 1933, Serial No. 700,382
7 Claims. (Cl. 91—67.4)



1. A spreader including a receptacle having a discharge orifice, a roller mounted for rotation adjacent the orifice to receive material on its surface, and a support in which the roller is mounted having cheeks closely fitting against the ends of the roller with curved surfaces surrounding the orifice and adjoining said cheeks, said surfaces conforming closely to the curved side portions of the roller between its ends and the area exposed to the orifice.

2,029,057
LUBRICANT COOLING DEVICE
Edwin A. Chambers, St. Thomas, Ontario, Canada
Application January 7, 1935, Serial No. 752
7 Claims. (Cl. 123—196)

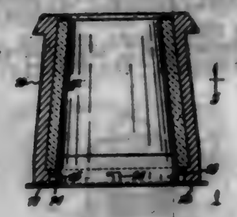


1. A lubricant cooling device for an engine and comprising cooling means, means whereby suction is created in said device for drawing lubricant from the engine for passage through the cooling means, and means acting alternately with the second mentioned means to break the suction to allow the lubricant to drain back to the engine.

2,029,058
HOT TOP AND LINING THEREFOR
Walter M. Charman, Cleveland Heights, Ohio
Application July 24, 1933, Serial No. 681,891
6 Claims. (Cl. 22—147)

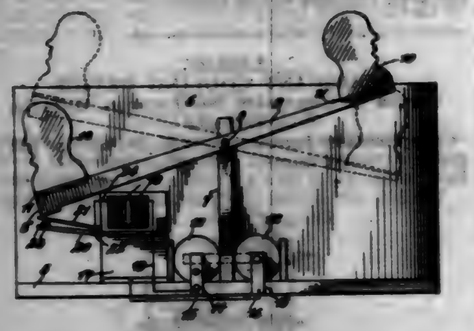
1. In a hot top, a body member and a lower lining covering the lower end surface of the body member, said body member having inverted L-

shaped slots and said lining having projections adapted to be moved into the slots from the bot-



tom thereof and then moved into the horisontal portions thereof.

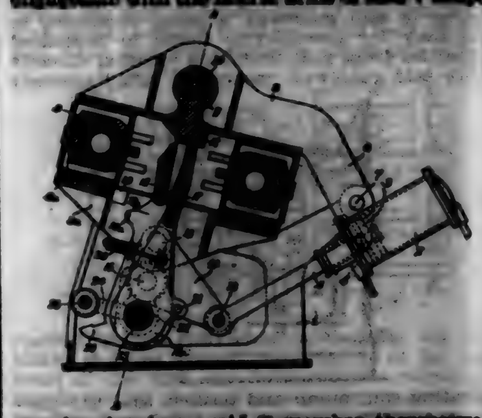
2,029,059
TOY TARGET
Clarence F. Cookson, Lyndhurst, N. J., assignor to Joseph Schneider, Inc., New York, N. Y., a corporation of New York
Application February 18, 1935, Serial No. 7,663
7 Claims. (Cl. 124—15)



1. A toy target comprising, in combination with a vertical panel, a member mounted at the rear side of said panel for movement relative thereto, a target carried by said member, electrically controlled means for operating said member, a circuit therefor, and a normally open switch in said circuit, engaged and actuated to closed position by said member in its movement in one direction to energize said first named means and reverse the movement of said member, whereby the target is positioned beyond one edge of the panel.

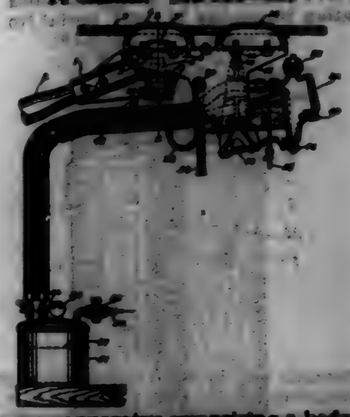
2,029,060
VULCANIZING PRESS FOR PNEUMATIC TIRES, INNER TUBES, AND SIMILAR ARTICLES
Giuseppe Cesne, Milan, Italy, assignor to Società Italiana Pirelli, Milan, Italy
Application February 20, 1934, Serial No. 711,126
In Germany February 28, 1933
8 Claims. (Cl. 18—17)

1. A vulcanizing press or the like comprising a base, a bottom mold section supported by said base and a top mold section hinged to said base and swingable into and out of association with said top mold section, and means for locking together said mold sections, said means comprising a T shaped member attached to one of said mold sections and extending toward the other mold section and a pair of latch members anchored with respect to said other mold section, said latch members being pivotally associated with each other in scissors fashion and jointly engageable with the lateral arms of said T shaped



member to clamp said T member therebetween and prevent separation of said mold sections.

2,029,061
SPRAY GUN
Fred R. Dippman, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application September 2, 1931, Serial No. 560,735
14 Claims. (Cl. 194—12)

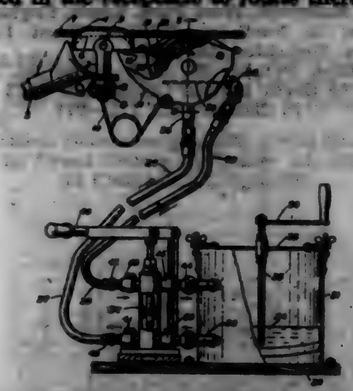


1. A spray apparatus comprising a body, a pair of current collectors secured to the body, a support for the body, means to secure the support to a trolley pole, a spray gun mounted on the body, the collectors arranged to contact with a trolley wire and the gun arranged to spray material upon the wire and means to adjust the relation of the gun to the collectors to vary the position of the gun nozzle to the trolley wire.

2,029,062
LUBRICATING DEVICE
Fred R. Dippman, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application December 3, 1931, Serial No. 578,578
Renewed June 11, 1934
32 Claims. (Cl. 184—15)

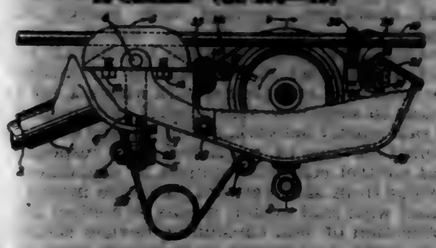
1. A lubricating device comprising a sliding shoe to engage a trolley wire to guide the device relative to the wire, a support for the shoe and means to secure the support to a trolley pole mounted on a moving vehicle, a separately formed

receptacle detachably secured to the shoe and arranged to hold a lubricating material, a wheel mounted in the receptacle to rotate therein and



dip into the lubricating material and to engage with the trolley wire and distribute the said material thereon as the vehicle moves relative to the wire.

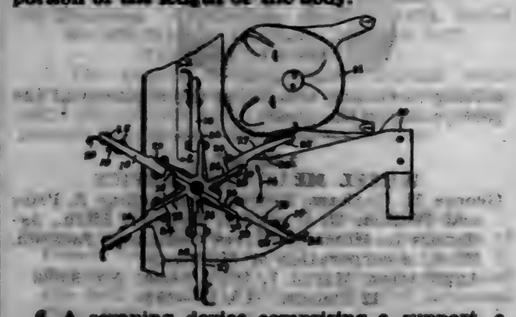
2,029,063
LUBRICATING DEVICE
Fred R. Dippman, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application June 23, 1934, Serial No. 732,458
15 Claims. (Cl. 184—15)



1. A lubricating device for trolley wires comprising a receptacle to retain a quantity of lubricating material, a support secured to a vehicle, the receptacle sustained by the support in spaced relation to the vehicle and arranged to pivot in a substantially horizontal plane, a wheel mounted to rotate within the receptacle and engage the trolley wire and contact with the lubricating material as the wheel rotates and apply the material upon the wire, yielding means urging the receptacle towards the trolley wire and means associated with the receptacle and spaced from the wheel and movable relative to the receptacle in a substantially horizontal plane to guide one end of the receptacle relative to the trolley wire.

2,029,064
CARCASS SCRAPER
George N. Edwards, Willoughby, Ohio, assignor to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio
Application November 17, 1934, Serial No. 753,434
7 Claims. (Cl. 15—15)

1. A carcass scraper comprising a support, an elongated resiliently flexible body connected with said support and having a portion thereof extending beyond the support, and a scraper blade on the extending portion of the body, said body having a substantially continuous uniform taper progressively varying the thickness therefor and being thickest adjacent the connection with said support whereby deflection of the body during use of the scraper is distributed over a substantial portion of the length of the body.



6. A scraping device comprising a support, a member of resiliently flexible material connected to said support and extending therebeyond, said member having means on the extending portion thereof providing an increased body of flexible material forming a yieldable mount, and a scraper blade on said mount adaptable substantially to the surface contour of an object to be scraped by yielding of the mount.

2,029,065
CLOSURE DEVICE
Edward E. Farley, Pocatello, Idaho
Application September 5, 1934, Serial No. 742,821
1 Claim. (Cl. 221—60)



A closure device for a collapsible tube comprising in combination, a body having a bore providing the outlet for the tube, said body including curved upper and rear portions and flat front and side portions, and a cap having a groove therein and curved to follow the upper and rear portions for slidable movement thereon for controlling the bore, an abutment to limit the closed position of the cap, a handle for the cap, said body having bearing openings in the side portions and triangular grooves diverging from the openings to provide guides, a resilient square cornered ball having a straight bight portion received in the cap groove, trunnions on the ball and guided to the bearing openings by the triangular grooves in applying the cap to the body and the cap groove being convexed to provide deep end portions to receive the corresponding ends of the bight portion to allow the cap to pass over the abutment during the application of the cap to the body.

2,029,066
METHOD OF MEASURING THE HARDNESS OF ABRASIVE DISKS
Karl Geppert, Schweinfurt-on-the-Main, Germany, assignor to Kugelfischer Erste Automatische Gussstahlkugelfabrik vorm. Friedrich Fischer, Schweinfurt-on-the-Main, Germany
Application October 31, 1934, Serial No. 750,901
In Germany November 3, 1933
1 Claim. (Cl. 265—13)

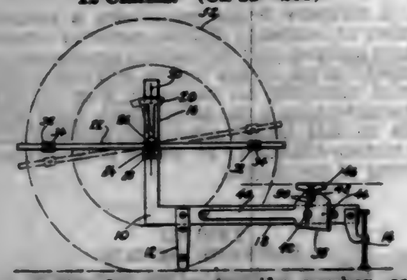
A method of measuring the hardness of abrasive disks or plates consisting in applying a sheet of perforatable material to the surface of said disk

or plate, driving a conical impact pin through said sheet into said plate or disk by a standardized



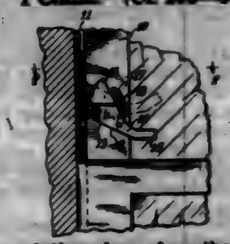
driving force, and measuring the diameter of the perforation in the sheet.

2,029,667
WHEEL MEASURING DEVICE
George M. Graham, Detroit, and Arthur E. Price and William O. Westcott, Jackson, Mich., assignors to Hinckley-Myers Company, Jackson, Mich., a corporation of Michigan
Application March 7, 1935, Serial No. 9,696
12 Claims. (Cl. 33—203)



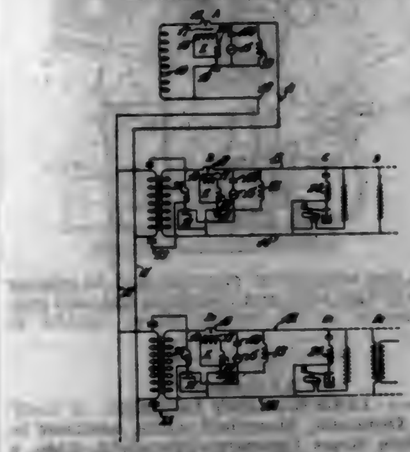
1. A device for measuring the camber, caster and king pin angles of swivelled vehicle wheels which comprises, in combination, a square, means for supporting said square in upright position so as to provide a horizontal base section and a vertical section extending upwardly therefrom, a protractor adjustably mounted on the vertical section and provided with laterally extending arm sections for making spaced contacts on the vehicle wheel, a second protractor carried by the horizontal section of the square, said supporting means being adjustable to tilt the square with respect to the horizontal.

2,029,668
WINDOW TIGHTENER
Arthur W. Greene, Englewood, N. J.
Application April 26, 1935, Serial No. 18,278
1 Claim. (Cl. 292—342)



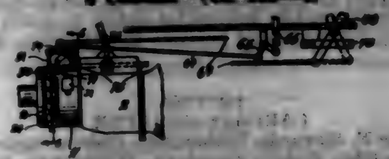
A device of the class described comprising a member pivotally mounted on a window sash, said member comprising on one end a resilient arm having a handle and on the other end a rounded wedge, said wedge being forced between the window sash and frame upon rotation of said member in one direction, and means for releasably locking said member in said wedging position comprising an arcuate member rigidly mounted on said sash concentrically with the pivot of said pivotal mounting under said first-named member and provided with serrations, and serrations on the underside of said first-named member yieldably registering in said serrated member.

2,029,669
REMOTE CONTROL SYSTEM FOR ELECTRIC SUPPLY NETWORKS
Edison Hallewell, West Park, Leeds, England, assignor to Northern Utilities Trust Limited, Leeds, Yorkshire, England
Application October 26, 1934, Serial No. 748,234
In Great Britain October 28, 1933
15 Claims. (Cl. 171—97)



15. In an electrical supply network which includes at least one control station and a plurality of remote current consuming devices of restricted load character provided with energy storage medium, a control system which comprises means at said control station to generate control current impulses in response to an increase of the total load on said network above a set value, means to superpose said control current impulses on said supply network, switch means at said consuming devices of restricted load responsive to said control current impulses to disconnect said devices from said network, selective means associated with said switch means to control the disconnection of said consuming devices successively in units, and means to maintain each of said units disconnected from said network for a period dependent on the ratio of the existing capacity of said energy storage medium to the maximum capacity thereof.

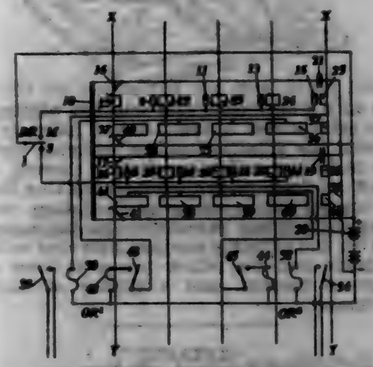
2,029,670
HYDRAULIC SAFETY BRAKE FOR AUTOMOBILES
George C. Higbee, Tekoa, Wash.
Application January 28, 1935, Serial No. 2,851
8 Claims. (Cl. 188—4)



1. In a structure of the character described, a rotary shaft, means for controlling rotation of said shaft including a disk rotating with the shaft and a companion disk loose about the shaft, hydraulic means automatically operated for controlling shifting of the companion disk into and out of position to grip the first disk and prevent rotation of the shaft in one direction, means for relieving the companion disk from pressure by the hydraulic means, and manually controlled

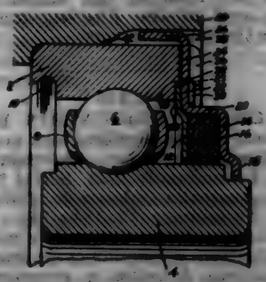
means for operating the hydraulic means and preventing rotation of the shaft in either direction.

2,029,671
TELEGRAPH SIGNALING APPARATUS
Harry Vernon Higgitt, London, England, assignor to Cable and Wireless Limited, a British company
Application December 15, 1932, Serial No. 647,454
In Great Britain December 24, 1931
12 Claims. (Cl. 178—88)



2. In a telegraph receiving apparatus for receiving double current cable code signals of the type set forth, the combination of a receiving relay having two contacts actuated in accordance with marking and spacing currents forming the signals and a pair of switching devices driven so as to be regularly operative at the rate of occurrence of the signaling periods, each comprising coacting contact members so relatively located that said switching devices prepare circuits respectively each including one of the two contacts of said receiving relay, during the first half and the second half of each signaling period respectively.

2,029,672
ANTIFRICTION BEARING AND SEAL
Frederick G. Hughes, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 17, 1934, Serial No. 720,887
11 Claims. (Cl. 308—187)

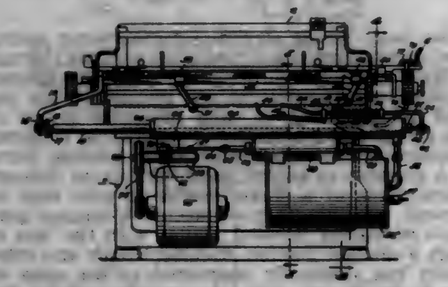


1. In a device of the character described, a race ring, a closure carried by the race ring, a keying member connected to the closure and interlocking with the race ring, and the keying member having a projection extended beyond the race ring; substantially as described.

2,029,673
PRODUCTION OF SULPHONIC ACIDS
Richard Huttenlocher and Richard Hess, Frankfort-on-the-Main, Germany
No Drawing. Application April 17, 1933, Serial No. 666,545. In Germany April 18, 1932
9 Claims. (Cl. 260—159)

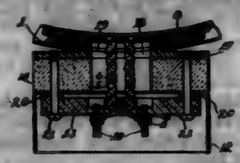
1. The process of preparing sulphonic acids which comprises reacting compounds containing alkyl-disulphonic acid radicles with organic compounds having alcoholic hydroxyl groups.

2,029,674
ATTACHMENT FOR TYPEWRITERS
Benjamin S. Hyatt, Vinita, Okla., assignor of twenty-four and one-half per cent to W. A. Robbins, Tulsa, Okla., and twenty-four and one-half per cent to Bryan N. Wright, Arkansas City, Ark.
Application August 29, 1933, Serial No. 687,362
10 Claims. (Cl. 197—67)



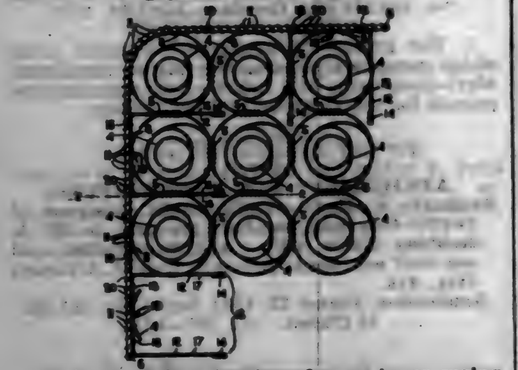
1. In a device of the class described, a typewriter comprising a frame, a carriage movable on the frame, a cylinder carried by the frame, a piston operating in the cylinder, means for connecting the piston with the carriage to secure a return movement of the carriage, a source of fluid pressure supply having an inlet communicating with the cylinder, a valve slidable in the cylinder and governing the inlet, and means operated by the carriage during its advancing movement, for actuating the valve to admit fluid pressure to the cylinder and bring about said return movement of the carriage.

2,029,675
ELECTRIC HEATING ELEMENT
John A. Knight, Hamilton, Ontario, Canada
Application April 27, 1934, Serial No. 722,894
9 Claims. (Cl. 219—38)



1. An electrical heating element comprising a thin metal facing band; an insulated resistance element applied to the outer surface of the facing band; a cushion band applied outside the resistance element; a semi-rigid supporting band of metal formed as a split ring; and means for drawing its ends together to clamp it about a cylindrical surface and thus press the cushion against the insulated resistance element, the resistance element against the facing band and the latter against the surface to which the heating element is applied.

2,029,676
INNER SPRING MATTRESS
Edward D. Leeman, Medford, Mass.
Application May 6, 1933, Serial No. 669,708
1 Claim. (Cl. 5—260)



An inner spring structure for an inner spring mattress comprising a group of vertical springs, a binding wire encircling the group of springs at both top and bottom and secured to the top and bottom turns of each marginal spring of the group, and a plurality of reinforcing elements connecting the upper and lower binding wires at a plurality of points, each reinforcing element being made of a single length of wire bent to present two integrally-connected V-shaped portions occupying parallel planes with the legs of each V-shaped portion of equal length and integrally but resiliently connected at the apex of the V-shape and with the opposite ends of the corresponding legs of the two V-shaped portions integrally connected by a connecting portion extending at right angles to the legs and integral with each leg, said single length of wire being further bent to form an arm extending laterally from the opposite end of the other leg of each V-shaped portion, said arms being parallel with the connecting portion and in alignment with and meeting each other, the apexes of the two V-shaped portions being unconnected, said connecting portion having substantially the same length as the diameter of each vertical spring, a reinforcing element being placed with its two V-shaped members embracing alternate marginal vertical springs along the side of the mattress whereby there will be a V-shaped portion between each two adjacent springs along said side of the mattress, means tying the connecting portion of each reinforcing element to one of the binding wires and means tying the two arms of each reinforcing element to the other binding wire.

2,029,677
PROCESS FOR THE PRODUCTION OF COLORED PHOTOGRAPHS, PARTICULARLY IN NATURAL COLORS, ON PAPERS, FILMS, AND THE LIKE
Franz Lejeune, Vienna, Austria
Application April 29, 1931, Serial No. 533,841
In Austria May 3, 1930
2 Claims. (Cl. 101—149)

2. Process for the production of colored photographs in natural colors on a single printing surface in which three printing images produced by tanning in a picture-like manner and corresponding to a blue print image, a yellow print image and a red print image are soaked with metallic solutions in a well balanced manner of concentration in a proper image-like distribution, which consists in embodying in the printing surface a precipitate in the form of a water-insoluble lead compound, a precipitate in the form of dimethyiglyoxime and a precipitate in the form of ferric salt, hereafter soaking the blue print image with a potassium ferrocyanide solution, placing said blue print image in intimate contact with the printing surface to form a Prussian-blue precipitate therein, stripping off said blue print image, further soaking the yellow print



image with a chromatic salt solution, placing said yellow print image in register and intimate contact with the printing surface carrying the blue image to form a yellow precipitate therein, stripping off said yellow print image, soaking the red print image with a nickel-salt solution, placing said red print image in register and intimate contact with the printing surface provided with the blue image and the yellow image to form a red precipitate therein, and stripping of said red print image.

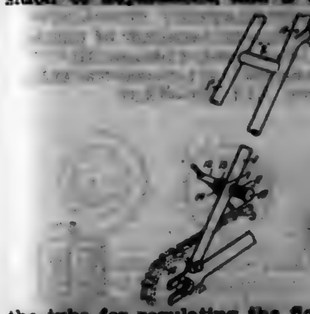
2,029,678
FILTERING DEVICE
James Aaron Matney, Prosser, Wash.
Application June 13, 1934, Serial No. 731,877
1 Claim. (Cl. 210—121)



A filtering device comprising a container, inlet means and outlet means therefor, magnetic means in said container and being insulated therefrom, means for detachably securing the magnetic means in position, filtering material in said container, a skeleton wire frame for the filtering material and including split end rings, means for detachably connecting the ends of the rings together, cross rods having their ends secured to the rings, said frame and filtering material being removable from the container as a unit, screening means cooperating with the filtering material, and means for holding the screening means against one end of the filtering material and spaced from the outlet means.

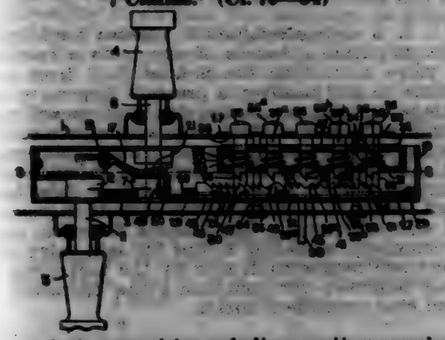
2,029,679
CYCLE CHAIN LUBRICATION DEVICE
Raphael Meray Miller, Paddington, near Sydney, New South Wales, Australia
Application December 6, 1934, Serial No. 756,317
In Australia October 26, 1934
2 Claims. (Cl. 184—15)

2. A lubricating device for cycle chains including in combination, a tubular cycle frame having a hollow portion forming a reservoir for oil, means for introducing oil into the top of the reservoir, means for discharging oil from the reservoir, including a hollow tube traversing and in communication with the reservoir, a feed pipe operatively connected to one end of the tube and in communication therewith for conducting oil to a desired point upon the chain, means for removably clamping the feed pipe in the desired position of adjustment, and a valve mounted in



the tube for regulating the flow of oil from the reservoir to the feed pipe.

2,029,680
COMBINATION LOCK
George E. Mills, Brighton, Mass.
Application April 26, 1934, Serial No. 722,430
7 Claims. (Cl. 70—54)



1. A lock comprising a bolt-operating member, a locking member for locking the same from operation, a toothed slide, some of the teeth of which have faces inclined in one direction while other teeth have faces inclined in the opposite direction, a plurality of push pins adapted when depressed to engage said teeth and move the slide, said teeth having such relation to the push pins that when the pins are depressed in a predetermined order each pin will advance the slide forwardly one step in the same direction, while if any pin is depressed out of the predetermined order the slide will be given a reverse movement, means to release the locking member when the slide has been given a predetermined number of forward steps, and means co-operating with said slide to restrain movement thereof at the end of each forward step.

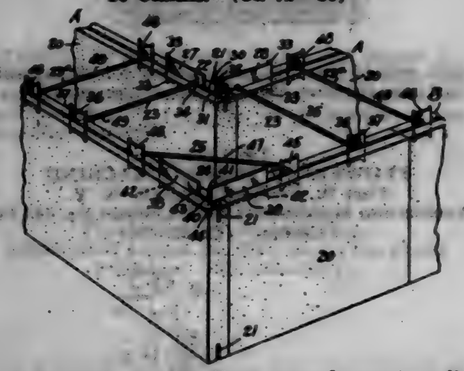
2,029,681
MACHINE FOR MAKING INSULATING MATERIAL
Oliver F. Mottweiler, Alexandria, Ind.
Application May 6, 1933, Serial No. 669,872
2 Claims. (Cl. 154—37)

1. A machine for making insulating material in sheet form, comprising a casing divided into two communicating chambers, a pair of opposed endless compressors located, respectively, in each of said chambers at corresponding compressing distances apart relative to the original thickness of material to be passed between them, and in line with each other, means for continuously passing a compressible insulating material mixed with a binder between the successive sets of compressors, and means for subjecting the material to hot air in the first of said chambers and to



cold air in the second chamber while maintained under pressure by the compressors in the respective chambers.

2,029,682
WALL CONSTRUCTION
Charles H. Odam, Tucson, Ariz.
Application September 22, 1934, Serial No. 745,154
10 Claims. (Cl. 72—39)

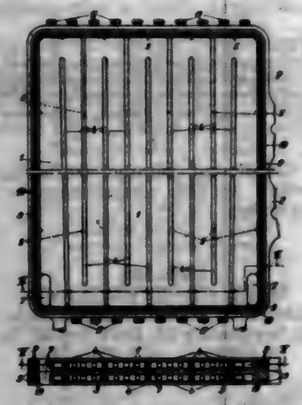


1. In wall construction, spaced apart walls, each comprising vertically disposed rectangular slabs laid in corresponding courses and arranged so that the vertical edges of the slabs of each course abut each other and so that the horizontal edges of the slabs of one course engage the corresponding edges of the slabs of the next adjacent course, the horizontal edges of the slabs of each course having confronting vertical grooves, and a tie member connecting one wall with the other and including means extending into the aforementioned confronting grooves and having portions embedded in said slabs, whereby to secure the member against longitudinal movement.

2,029,683
HEAT EXCHANGE APPARATUS
Edwin Prestage, London, England
Application August 28, 1935, Serial No. 38,249
In Great Britain May 25, 1934
1 Claim. (Cl. 257—245)

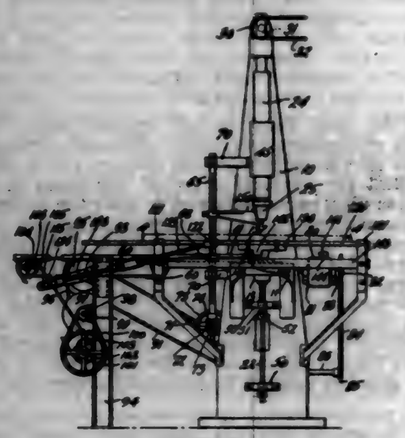
A heating unit for the interchange of heat between two streams of fluids, such as milk and steam, comprising a plurality of identical plates, each plate having a narrow metal frame mounted between two relatively thin metal closure sheets, said sheets forming the heat-exchange surfaces of the plate, baffle strips extending across the interior of the frame between said closure sheets and forming a zig-zag channel for the passage of the steam, metal strips on the exterior surfaces of both closure sheets, the metal strips being half the thickness of the desired milk channel, the said metal strips forming, when the plates are assembled, channels between adjacent plates for the passage of the milk, whereby disassembly of the unit will open the milk channels for inspection

or cleaning without disturbing the internal steam channels within the individual plates, a cover at



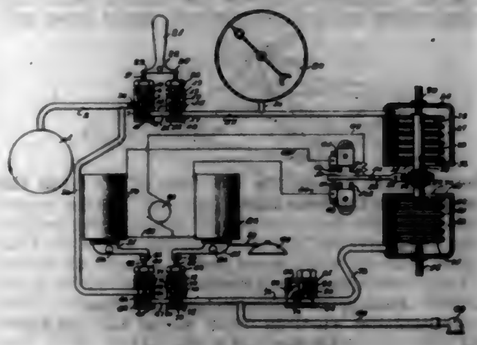
each end of the unit, and means for detachably clamping together the plates and the covers.

2,029,084
FLOWERPOT MAKING MACHINE
Carl W. Schmidt, Buffalo, N. Y.
Application September 15, 1934, Serial No. 744,541
7 Claims. (Cl. 25—24)



1. In a machine for molding articles from plastic material, a mold and a core axially aligned therewith and one of which is reciprocable toward and into operative relation with the other to mold material introduced into said mold and then away therefrom to separate said core from the molded article, means for ejecting said article out of said mold, and a carriage disposed in lateral relation to said mold and reciprocable crosswise of said mold and having thereon a pair of pivoted, oppositely swingable arms, arm actuating means operable when said carriage approximates one end of its stroke to swing said arms into closed position about opposite sides of said article to support the same while in said ejected position, said closed arms being then movable with said carriage toward the other end of its stroke to carry said article therewith, and said arm actuating means being operable to open said arms and release said article when said carriage approximates said other end of its stroke.

2,029,085
PRESSURE FLUID SUPPLY SYSTEM AND APPARATUS
Max H. Sussin, Chicago, Ill., assignor of one-half to Frank L. Barchard, Chicago, Ill.
Application December 26, 1931, Serial No. 583,339
5 Claims. (Cl. 221—78.5)



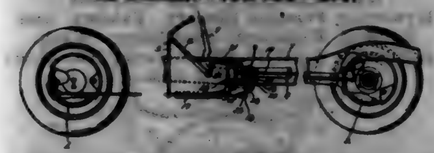
1. In a system adapted to furnish fluid under pressure from a source of supply to a receiver, a valve controlling the flow of fluid from said source to said receiver, a pressure responsive device comprising a movable structure, means controlling the flow of fluid from said source to one part of said device for causing primary movement of said structure in one direction, means under control of said valve for conducting fluid from said source to said device for causing movement of said structure in the opposite direction, electromagnetic actuating means for said valve, and electrical means controlled by the movement of said structure for controlling the operation of said electromagnetic means.

2,029,086
METHOD OF AND AN APPARATUS FOR CHARGING CELLULOSE DIGESTERS OR THE LIKE
Sjume Svensson, Hisingsfors, Krokom, Sweden
Application October 27, 1934, Serial No. 750,371
In Sweden May 27, 1933
10 Claims. (Cl. 92—7)



1. In a method of charging cellulose digesters with fibrous material, for instance, chip wood, in which the speed of the charging material is accelerated only by means of steam, introducing excess steam, assembled in the digester during the charging operation, into the downwardly flowing charging material before the same is subjected to actuation by the speed accelerating steam, in such direction that it has no entraining effect upon the charging material and in such a quantity that the excess steam prevents air accompanying the charging material from getting into the digester.

2,029,087
BRAKE MECHANISM
George Joseph Thomas, Birmingham, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application July 9, 1934, Serial No. 734,411
14 Claims. (Cl. 188—194)

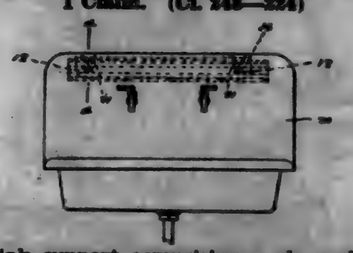


1. In a motor vehicle front and rear wheel brake system, the combination of a pair of downwardly and upwardly extending pivotal members respectively connected to the front and rear wheel brakes, and an actuating member pivotally connected to said downwardly and upwardly extending pivotal members respectively below and above their pivots.

2,029,088
PROCESS FOR TANNING
Harold G. Turley, Moorestown, N. J., and Ian C. Somerville, Fox Chase, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application May 15, 1934, Serial No. 725,214
12 Claims. (Cl. 149—5)

1. The step in the process of tanning which comprises treating skins and hides with an aldehyde capable of reacting with the hide protein, a salt of aluminum and a synthetic organic tanning material.

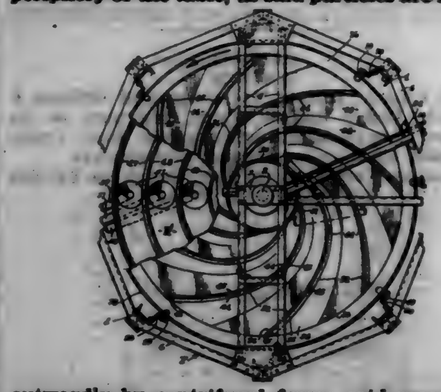
2,029,089
SINK SUPPORT
August F. Weirauch, Milwaukee, Wis.
Application May 7, 1935, Serial No. 20,234
1 Claim. (Cl. 248—224)



A sink support comprising a channeled wall studding attached member provided with cross slots therein, a slide block for each of the cross slots, said blocks being slidable in the channel of said member, each cross slot being provided with a wider vertical slot and a horizontal slot so that when the corresponding block is moved to the vertical slot it can be disengaged from the channeled member, each of the said blocks being provided with a threaded opening, a clamp plate, screws for the clamp plate engageable into the said blocks, said clamp plate being provided with lateral flanges for engaging the adjacent wall structure and provided with openings in one of the flanges into which the hanger lugs of a sink structure can be engaged.

2,029,090
MEANS FOR SEPARATING MINERALS FROM ORES
Paul R. Yewell, Los Angeles, Calif.
Application September 13, 1933, Serial No. 689,382
9 Claims. (Cl. 209—444)

1. An apparatus for separating materials comprising: a rotatable table for receiving the material, and means thereon for intercepting and collecting particles of different specific gravity at different points intermediate the axis and the periphery of the table, as said particles are moved



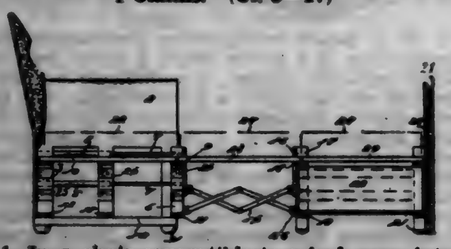
outwardly by centrifugal force; said means including riffles forming segments of said table and traps at corresponding margins of said riffles and having outlets therein, for the disposition of the classified minerals.

2,029,091
DISPLAY STAND
Frank Bern, Cleveland, Ohio
Application August 24, 1935, Serial No. 37,623
9 Claims. (Cl. 40—152.1)



1. A display stand for cards and the like, comprising a strip of sheet metal bent to form a base part and an upstanding back part, one of said parts being bent to form a transversely disposed sleeve, and a pair of article-gripping arms adjustably mounted in said sleeve.

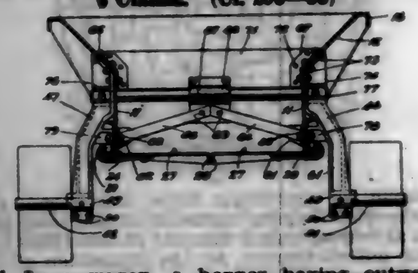
2,029,092
CONVERTIBLE CHAIR, DIVAN, AND BED
Rudolf H. Bjorklund, Essington, Pa.
Application June 19, 1934, Serial No. 731,261
4 Claims. (Cl. 5—17)



1. In a chair convertible to a bed, rear, intermediate and front posts, a support for a bed section movable into said chair beneath its seat and against said intermediate posts and having means to interlock with said front posts, said rear and front posts and said support having registering slots, and a drawer mounted in said bed section

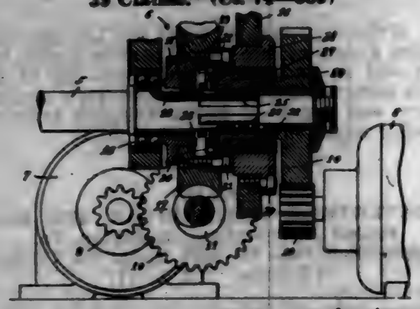
support and movable with it into the chair beneath the seat the drawer being provided with guides mounted on the sides thereof travelling in the registering slots.

2,029,093
WAGON
Roy E. Choate, Harold N. Graves, and William I. Leech, Cedar Rapids, Iowa, assignors to La Plant-Choate Manufacturing Co. Inc., Cedar Rapids, Iowa, a corporation of Delaware
Application November 16, 1932, Serial No. 642,864
6 Claims. (Cl. 280—35)



1. In a wagon, a hopper having outwardly flared upper walls, legs secured to the vertical and the flared portions of the walls, a bracing structure disposed inside the hopper and comprising a transversely-extending plate and means for securing the plate to the walls of the hopper and to the legs, and a transverse shaft extending through the hopper and through the legs below the transverse plate.

2,029,894
POWER TRANSMISSION MECHANISM
Charles B. De Vlieg and Nels S. Lundberg, Jackson, Mich., assignors to Associated Patents, Inc., Cincinnati, Ohio, a corporation of Ohio
Application December 9, 1932, Serial No. 646,424
39 Claims. (Cl. 74—389)



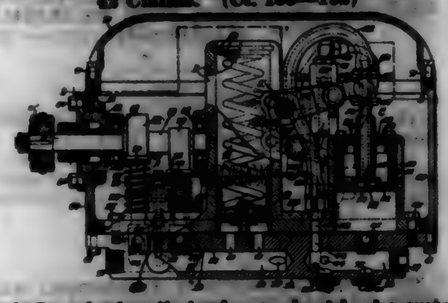
1. In a power transmission mechanism, the combination of a driven shaft, a worm gear rotatably mounted thereon, a second gear rotatably mounted on said shaft, a worm meshed with the worm gear to transmit drive thereto or hold the same against turning, a relatively slow speed power means for driving said worm, a relatively high speed power means for driving the second gear, a sleeve slidably but nonrotatably mounted on said shaft to transmit drive thereto from either of said gears, intermeshable drive teeth on said worm gear and sleeve engaged when the sleeve is in one limit position and disengaged when the sleeve is in another limit position, constantly meshed cam-shaped drive teeth on said sleeve and second gear adapted to cause movement of the sleeve from the first limit position to the other limit position when drive is transmitted to the sleeve from the second gear, whereby to disengage the first mentioned drive teeth, and spring means tending normally to return said sleeve to the first limit position.

2,029,895
ATTACHMENT FOR STOVES
Hymerick Preston Demery, Yakima, and Emmett Kirkland, Ellensburg, Wash.
Application April 16, 1935, Serial No. 16,588
2 Claims. (Cl. 248—3)



1. An attachment for cooking stoves and the like, comprising a bracket of channel-like form arranged to embrace the edge of a shelf, a shelf-clamping element carried by the lower flange of the channel, a lamp socket secured to said flange, and a reflector secured to the rear edge of the upper flange of the channel and extending forwardly and downwardly to a point spaced forwardly of said socket, the reflector being of such dimension and so positioned as to conceal the bracket and socket from view at a plane above the structure.

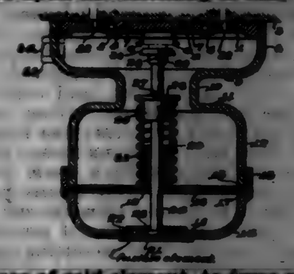
2,029,896
HYDRAULIC BRAKE
Willis G. Doyle, Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y., a corporation of Delaware
Application December 1, 1931, Serial No. 578,221
43 Claims. (Cl. 188—152)



4. In a hydraulic brake, a wheel brake system, a low pressure actuator therefor comprising a piston, a valve in the head of the piston and a valve stem, a high pressure storage device, a high pressure release valve normally closing the high pressure storage device from the wheel brake system, a brake pedal and mechanical connections between the pedal, the piston valve, and the high pressure release valve.

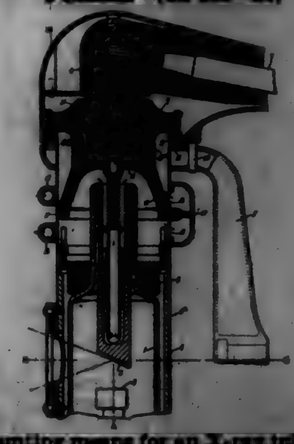
2,029,897
ELECTRIC FIRE ALARM
Joseph Garner, Harrisburg, Pa.
Application December 15, 1932, Serial No. 782,463
5 Claims. (Cl. 200—142)

1. A switch for electric fire alarm systems, comprising a casing, a base adapted to be normally secured to a supporting surface and detachably supporting said casing, a plurality of electrical contact members carried by said base, said casing having an open side, a cover detachably closing said side and itself having an aperture, a closure of fusible material normally spanning said aperture, a switch element having a portion attached to said closure, and resilient means operative upon the softening of said closure and



the release of said element, to force said element away from said cover and into a position electrically connecting said contact members.

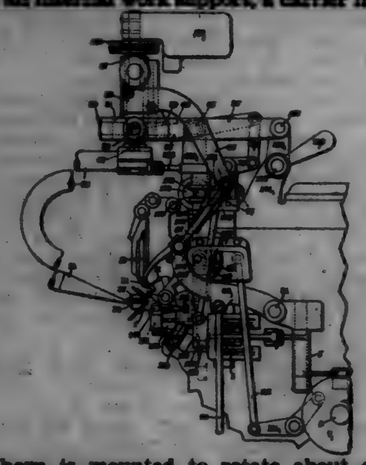
2,029,898
X-RAY TUBE MOUNT
Edwin R. Goldfield, Cleveland Heights, and Casperen R. Hershey, East Cleveland, Ohio, assignors to Wappler & Eberbach X-Ray Manufacturing Company, Cleveland, Ohio, a corporation of New York
Application December 19, 1934, Serial No. 758,789
2 Claims. (Cl. 250—54)



1. Mounting means for an X-ray tube comprising generally cylindrical base means containing said tube, means supporting said base means intermediate its ends for rotatable adjustment about the tube axis, said base means having at its end an insulator for the corresponding tube end, a corresponding relatively stationary insulator, said insulators having interengaging parts arranged concentrically about said axis to permit said adjustment and cooperative with baffle effect to prevent electrical leakage, and said insulators having electrical leads for said tube end, with cooperative contactors at said axis, and means associating said relatively stationary insulator with said base supporting means to prevent rotation of the former about said axis.

2,029,899
SEWING MACHINE
Joseph Gouldstone, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 22, 1934, Serial No. 707,446
In Great Britain January 30, 1933
17 Claims. (Cl. 112—62)

1. A machine for sewing suitcases or like articles having, in combination, a work support having angularly disposed surfaces to engage the work externally, a needle and awl arranged to move across the corner formed by said surfaces, a work entering horn provided at its inner end with an internal work support, a carrier in which



the horn is mounted to rotate about an axis passing through the work engaging end of the horn, and means supporting the carrier, permitting an adjustment of the carrier with the horn about an axis parallel to the line of feed and in proximity to the sewing point.

2,029,186
TREATMENT OF HYDROCARBON OILS
Aristid V. Grosse, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
No Drawing. Application October 5, 1931, Serial No. 567,127
5 Claims. (Cl. 196—24)

1. In the refining of sulphur-containing hydrocarbon oil, the step which comprises treating the oil with hydrogen in the presence of a preformed thio compound selected from the group consisting of the relatively stable thio-molybdates and thio-tungstates under conditions such as to react the hydrogen with sulphur compounds contained in the oil and in the absence of hydrogen sulphide other than that evolved by said reaction and from the oil.

2,029,101
METHOD OF RE-COVERING BOOKS
Ernest Hartsburg, Des Moines, Iowa
Application September 18, 1935, Serial No. 41,088
5 Claims. (Cl. 281—29)

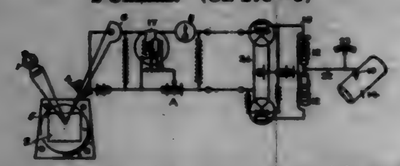


5. A method of re-covering books, including the cutting of cloth approximately to size for a case, putting the lettering for the back of the book on the cloth, marking the reverse side of the cloth according to the location of the back lettering for the placing of the back strip and boards, gluing the back strip and boards to the cloth, completing the case, and binding the book therein.

2,029,102
GRAMOPHONE RECORD AND PROCESS FOR MANUFACTURE THEREOF
Guy Hilhouse, Surbiton, England, assignor to Trusound Limited, London, England, a corporation
No Drawing. Application August 7, 1930, Serial No. 473,787. In Great Britain May 16, 1930
7 Claims. (Cl. 18—48.4)

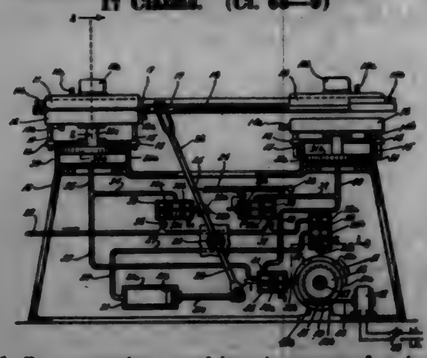
1. The method of forming a gramophone record without the use of an adhesive, consisting in placing superposed thin, flexible transparent discs of celluloid together with an intermediate co-extensive sheet of fibrous material in a heated press, then pressing the discs and sheet together while the press remains heated sufficiently to cause the surfaces of the celluloid disks in contact with the paper to be extruded into the pores of the paper and thus effect a permanent union of the paper and celluloid disks, and then cooling the press and removing the pressure.

2,029,103
PHOTO-ELECTRIC INTAGLIO AND RELIEF ENGRAVING SYSTEM
Walter Hovey, New York, N. Y.
Application March 15, 1932, Serial No. 599,034
2 Claims. (Cl. 178—5)



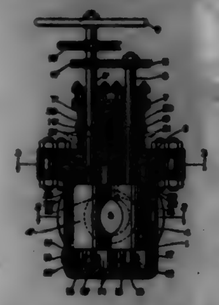
1. A photo-electric engraver comprising a light sensitive scanner, a vacuum tube amplifier adapted to increase the strength of the output of the scanner, a graver, an actuating arm therefor, a bi-polar armature on the arm spaced apart from the graver, a separate coil for each pole connected in opposition to each other, a push-pull amplifier comprising a pair of amplifier tubes actuated by an amplified current from the scanner, connections from one coil to the plate of one of the push-pull tubes, and connections from the other coil to the plate of the other push-pull tube, and cooperating means for indicating the successive positions of the graver.

2,029,104
PRESSING MACHINE—RECIPROCATING TYPE
George W. Johnson, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application June 10, 1935, Serial No. 25,784
17 Claims. (Cl. 68—9)



1. In a pressing machine, two spaced pairs of coacting pressure producing members, means for actuating each pair of members in pressure-producing and pressure-releasing directions, work-carrying means movable alternately in two directions, each movement being adapted to position an article to be pressed between one pair of pressure members and simultaneously to move a pressed article from the other pair of pressure members to exposed position, and continuously operating control mechanism having operative connections with said work-carrying means and with each of said pair-actuating means for causing continuous repetition of a cycle including movement of the work-carrying means in one direction to place an article between one pair of members, actuation of that pair of pressure producing members in pressure-producing and pressure-releasing directions, movement of the work-carrying means in the other direction, and actuation of the other pair of pressure producing members in pressure-producing and pressure-releasing directions.

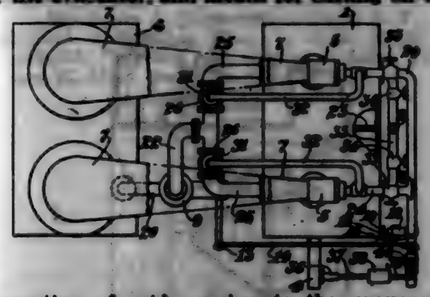
2,029,105
VALVE
William R. Kinnaird, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 21, 1932, Serial No. 648,251
4 Claims. (Cl. 251—91)



1. A valve for controlling the flow of fluids which comprises, in combination, a main valve body having inlet and outlet ports, two cylindrical, rotatable members positioned within the main valve body and adjoining on a line along their outer circumference, said rotatable members being provided with a port intercepting their line of juncture and connecting the inlet and outlet ports of the valve, means for simultaneously rotating said cylindrical members in opposite directions whereby the effective opening through said port may be increased and decreased, means for introducing a cooling fluid into the valve and passing the same between the rotatable members and the main valve body and means for introducing cooling fluid into the port of said rotatable members while the port is effectively opened.

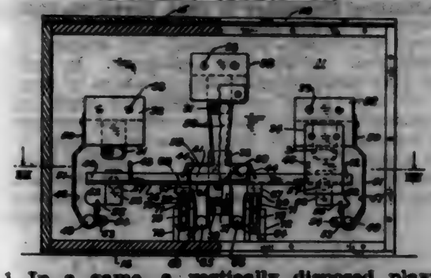
2,029,106
REFRIGERATING SYSTEM
John Kirgan, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application December 19, 1934, Serial No. 758,153
3 Claims. (Cl. 62—153)

1. The combination of an evaporator, an evacuator therefor, a condenser to which the evacuator delivers, a member connected to the evaporator and condenser, an element in said member connected to regulate the power medium for the evacuator, and means for cutting off the



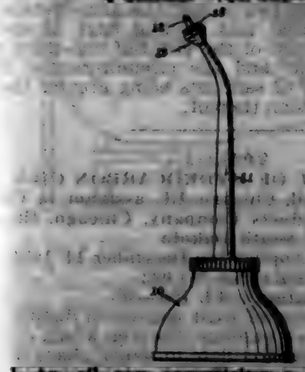
connection of said member to the evaporator when the evacuator is not operating.

2,029,107
GAME
Otto Ludwig Klein, San Francisco, Calif.
Application August 29, 1934, Serial No. 741,583
15 Claims. (Cl. 273—95)



1. In a game, a vertically disposed playing surface having a series of apertures therein, a plurality of ball return guides, a plurality of ball retainers, two or more of said apertures being in constant communication with said ball return guides, and means whereby one of said apertures will be put into communication with at least one of said ball retainers.

2,029,108
OIL CAN
Stefan Krafka, Cicero, Ill.
Application October 6, 1934, Serial No. 747,167
4 Claims. (Cl. 221—33)



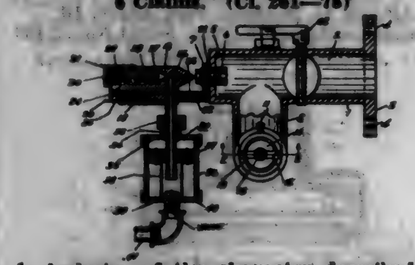
1. An oil can comprising a discharge spout having a non-stretchable annular supporting member positioned thereon and through which the end of said spout extends and a flexible sealing member secured to the forward face of said supporting member, said end of said spout constituting means for effecting the registration of said sealing member with an oil opening.

2,029,109
REFRIGERATING APPARATUS
Andrew A. Kucher, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application August 31, 1933, Serial No. 687,622
15 Claims. (Cl. 62—34)



1. A container rack for a refrigerator including a generally flat metal structure having a U-shaped groove formed therein providing a track for supporting and guiding containers in a U-shaped path within the cold circulating air within the refrigerator, said rack having fastening means for fastening the rack to a refrigerator shelf.

2,029,110
FUEL SAVING DEVICE
Roy C. Lee, Irvington, N. J.
Application August 3, 1934, Serial No. 738,357
6 Claims. (Cl. 261—78)

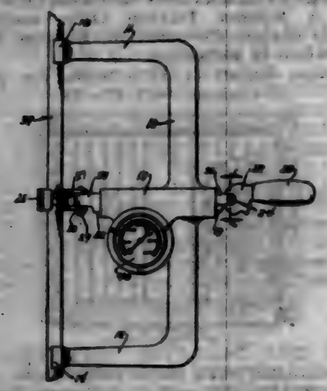


1. A device of the character described comprising a casing having a fuel inlet at its outer end and an air inlet arm intermediate its length open at its outer end, a ring in the arm constituting a valve seat and having an inwardly directed frusto-conical outer surface, a bar carried by and extending diametrically across said ring at the outer end thereof, a concavo-convexed valve head in said arm inwardly of the ring and having its convexed face presented outwardly and slidably engaged, a stem for said valve head extending outwardly through said bar, a spring urging said stem outwardly to yieldably hold the valve head seated against the inner end of said ring, and means for injecting fuel into said casing through the inlet thereof comprising an injector facing the outer end of said casing in axial alinement with said fuel inlet and a fuel container communicating with said injector.

2,029,111
DEVICE FOR MEASURING AND INDICATING TENSION ON CABLES
Christopher J. Lester, Cleveland, Ohio
Application April 22, 1935, Serial No. 17,557
3 Claims. (Cl. 245—1)

1. In an instrument of the kind described, the combination of a yoke frame having arms

which may be applied to one side of a cable at spaced points, a guide mounted on the frame, a tension rod slidable in the guide and provided with a hook for engaging the opposite side of the cable between the arms, a pressure bar slid-



able in the guide, a cam handle connected to the tension rod and bearing against the pressure bar, and a gage including a spring resisting the movement of the pressure bar and operatively connected to the pressure bar to indicate the movement thereof.

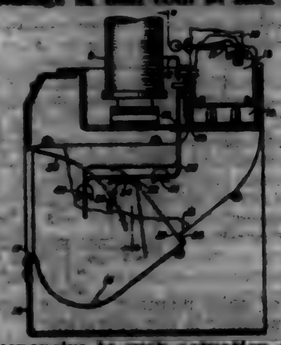
1,929,112
VENTILATING ATTACHMENT FOR PRESSING MACHINES
Alfonso G. Maltese, Park Ridge, Ill.
Application August 8, 1925, Serial No. 35,463
12 Claims. (Cl. 68—9)



1. A pressing machine embodying co-operating pressing elements having relative movement one toward and away from the other, the movable one of said elements being heated, an open hood carried with and covering said movable member, said hood having an air discharge outlet, a fan mounted within said hood for causing a circulation of air into the hood, around the press member and through said outlet, and means for operating the fan.

1,929,113
TELEPHONE COIN COLLECTOR
Percy E. Mills, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York.
Application May 15, 1926, Serial No. 21,556
16 Claims. (Cl. 133—57.5)

1. A coin collector comprising a refund chute having a coin pocket accessible from outside said collector, means for discharging deposited coins into said chute, a pivoted member actuated from its normal position when a deposited coin is discharged into said chute, a vane normally substantially closing said chute above said pocket but actuated by the weight of a discharged coin to permit passage of said coin to said pocket, and



means responsive to such actuation of said vane for restoring said member to its normal position.

1,929,114
STONE SAW
William Milne, Barre, Vt.
Application December 7, 1931, Serial No. 795,459
8 Claims. (Cl. 125—23)

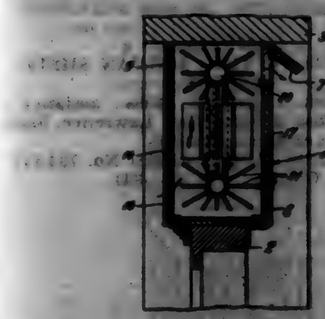


3. A stone saw comprising a circular blade having sets of integrally connected teeth projecting from the periphery thereof at an angle inclined in the direction opposite to the direction of rotation, the teeth tapering from their outer ends toward their bases at such angles that the ratio of circumferential width of teeth to circumferential width of gullets is approximately the same at different radii throughout the operative length of the teeth, said ratio being approximately two to one, the angle between the circumferential and leading edge of each tooth being at least of the order of one-third of a complete circle, and the circumferential dimension of each of said sets being greater than the radial dimension thereof.

1,929,115
TREATMENT OF HYDROCARBON OILS
Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
No Drawing. Application December 14, 1931, Serial No. 581,023
4 Claims. (Cl. 196—24)

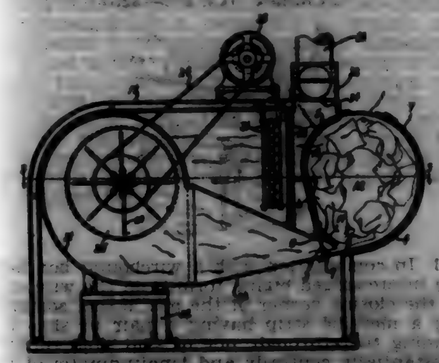
1. In the refining of light petroleum distillates of the character of gasoline, the step which comprises treating the distillate in vapor phase with a solution containing sufficient sulphuric acid to effect substantial refining of the vapors and to which has been added a saturated hydrocarbon in amount sufficient to dilute the sulphuric acid substantially.

1,929,116
VENTILATING DEVICE
Benjamin A. Morton, New York, N. Y.
Original application May 2, 1928, Serial No. 273,178. Divided and this application February 25, 1932, Serial No. 595,624
4 Claims. (Cl. 98—33)



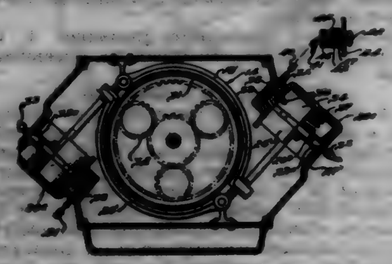
1. A ventilation device comprising a container having vertically separated openings in one side, vertically separated openings in the opposite side, means for closing the diagonally opposite pairs of openings alternately, incandescent means in said container intermediate said openings, light-diffusing means in a wall of said container between said incandescent means and the room, and a member so located and supported within the container as to form a draft stack with the light-diffusing member and simultaneously acting as a reflector for the incandescent means.

1,929,117
DRYING MACHINE
Charles H. Otis, Rochester, N. Y., assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application April 15, 1931, Serial No. 530,326
10 Claims. (Cl. 34—7)



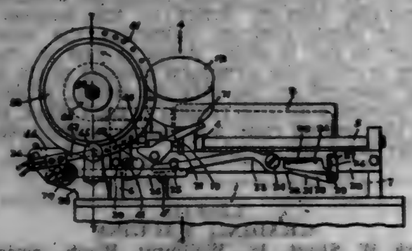
1. In a fabric drying machine, means providing a work container of generally cylindrical form, the central portion of said container means being substantially unobstructed, said structure having an opening through which work may be received and withdrawn and a closure for said opening, said container having air inlet means arranged for delivery of drying air into said container generally tangentially thereof, the container having means providing for outlet of said air without permitting egress of work with the air.

1,929,118
DRIVING MECHANISM
Herbert F. Patterson, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application January 25, 1924, Serial No. 706,213
25 Claims. (Cl. 74—242)



1. In a driving mechanism having a transmission of the epicyclic type, a drive controlling clutch for said transmission, said clutch comprising relatively movable frictionally engageable members, means for actuating said clutch, and additional means for actuating said clutch during operation of the driving mechanism independently of said first clutch actuating means each of said actuating means being adapted to provide the same speed ratio drive.

1,929,119
PHONOGRAPH MECHANISM
Charles Lepel Richardson and Arthur P. Holden, Toronto, Ontario, Canada, assignors to H. Norton De Witt, Toronto, Ontario, Canada
Application May 31, 1932, Serial No. 614,353
19 Claims. (Cl. 274—17)



10. In a phonograph mechanism, the combination with a phonograph record and a reproducer power operated to travel over said record, of electrically operated means for starting and stopping the phonograph mechanism, a pair of spring contacts included in the starting and stopping means, a rotatable member having a rim of thin insulating material extending between and separating said contacts and having perforations arranged at predetermined intervals to permit said contacts to engage and close the circuit, a helical spring fixed at one end and connected at its other end to said rotatable member, a drum connected to said rotatable member, a tape secured at one end to said drum and encircling same and secured at its other end to the power driven reproducer, means for automatically releasing said reproducer from its power drive at one end of its travel to permit the spring to return same to its starting position, and means for automatically connecting said reproducer with its power drive at the other end of its travel.

2,029,120

SEPARATION OF UNSATURATED HYDROCARBONS FROM GAS MIXTURES CONTAINING THE SAME

Heinrich Schilling, Ludwigshafen-on-the-Rhine, and Robert Stadler, Ziegelhausen-on-the-Neckar, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application December 3, 1931, Serial No. 578,844. In Germany December 10, 1930

5 Claims. (Cl. 260—170)

1. A process for the separation of acetylene from a gas mixture containing the same which comprises absorbing said acetylene in a liquefied substance which under atmospheric pressure is gaseous at 15° C. and condensable at a temperature above 100° below zero C. but different from substances chemically converting said acetylene and from substances composed of an unsaturated hydrocarbon, by washing the said gas mixture with such liquefied substance.

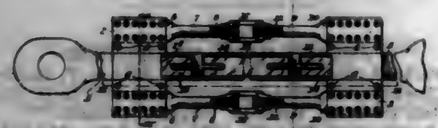
2,029,121

METHOD FOR ADJUSTING THE LENGTH OF STRUCTURAL MEMBERS

Robert Seeman, Merrick, N. Y., and Allen R. Wilson, Philadelphia, Pa., assignors to Ernest H. Pacy, Pittsburgh, Pa.

Application December 23, 1931, Serial No. 582,849

13 Claims. (Cl. 29—151)



1. The method of adjusting the length of a structural member, which comprises applying a removable take-up device to the member at spaced points thereon, tightening the take-up device to put it under strain to test it, thereafter severing the structural member in the portion spanned by the take-up device, adjusting the severed ends with respect to each other, joining the severed ends, and removing the take-up device from the member.

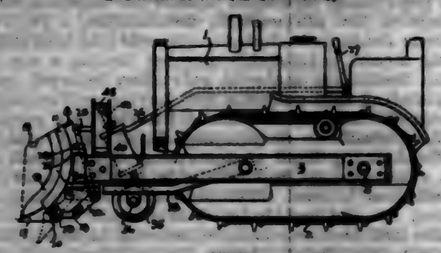
2,029,123

GRADING MACHINE

Mark W. Stout, Jr., Wellpinit, Wash., assignor of forty one-hundredths to John C. Wynecoop, Wellpinit, Wash.

Application January 12, 1935, Serial No. 1,566

4 Claims. (Cl. 37—144)



1. The combination with an automotive vehicle, of a frame pivotally supported thereon and comprising a pair of side beams, a rigid cross bar joining the free ends of said beams, and an excavating blade mounted at the front of the frame, of a ground wheel, a frame for the wheel pivotally supported in said side beams and including a yoke, a motive fluid cylinder pivoted on the yoke, a piston in the cylinder and a stem therefor, a pivotal connection between said stem and the cross bar, and means for supplying motive fluid to said cylinder.

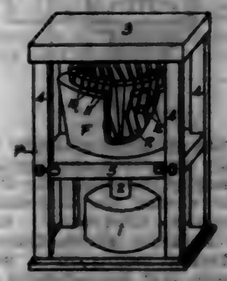
2,029,124

PROCESS OF FITTING JORDAN SHELL LININGS

Harold D. Stuck, Lawrence, Mass., assignor to John W. Bolton & Sons, Inc., Lawrence, Mass., a corporation of Massachusetts

Application July 12, 1934, Serial No. 734,819

15 Claims. (Cl. 29—84)



1. The process of fitting the knives and separators of a preconstructed Jordan engine shell lining section which consists of placing the knives and separators in the large end of a truncated conical mould and of forcing the assembly into the small end of such mould.

2,029,134

SEALING MEANS FOR WIREBOUND BOXES

Alfred L. Rosemund, Rockaway Borough, N. J., assignor to Stapling Machines Co., a corporation of Delaware

Application March 2, 1934, Serial No. 713,833

2 Claims. (Cl. 292—325)



1. In combination with a wirebound box having interengaged bights formed on the wire ends at the closing corner of the box, a seal comprising a metallic strip having a pair of slots extending therethrough, one of said slots running substantially centrally and longitudinally of the strip to receive one of the bights on the end of the wire binding prior to interengagement of the bights, and the other of said slots running at substantially a right angle to the first slot and spaced therefrom and from that end of the strip, a tongue at the other end of the strip bent over the interengaged bights on the end of the wire binding and extending through the second slot to encase the interengaged bights, the tongue and the opposite end of the strip being united by piercing and crimping the metal of the strip to seal the encasement of the interengaged bights.

2,029,125

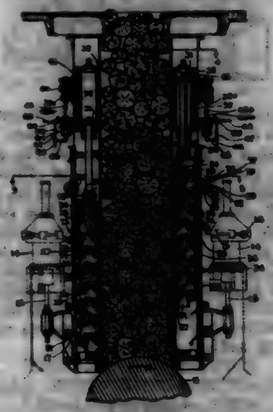
WOOD GRINDING MACHINE

Andrew N. Russell and John D. Robb, Lachine, Quebec, Canada, National Trust Company Limited, executor of said John D. Robb, deceased, assignors to Dominion Engineering Works Limited, Lachine, Quebec, Canada

Application May 18, 1933, Serial No. 671,125

In Great Britain August 11, 1841

8 Claims. (Cl. 83—75)



1. A pulp wood grinder comprising a magazine, a plurality of reciprocable feed members arranged therein, a piston connected to each feed member, a separate cylinder for each of said pistons, high and low pressure fluid supply lines, a valve mechanism for each cylinder operable to periodically connect one end of said cylinder with the high pressure fluid supply line to effect a working stroke of the feed member and to periodically connect the remaining end of the cylinder with the low pressure fluid supply line to effect a return stroke of the feed member, said valve mechanism also serving to connect each end of the cylinder with an exhaust line during admission of fluid to the opposite end of the cylinder, a differential piston connected to operate said mechanism to positions alternately connecting each end of the cylinder with its respective fluid supply line, a differential cylinder containing said differential piston, one end of said differential cylinder being in constant communication with a pressure line, and means functioning periodically to alternately connect the remaining end of the differential cylinder with a pressure line and with an exhaust line.

2,029,126

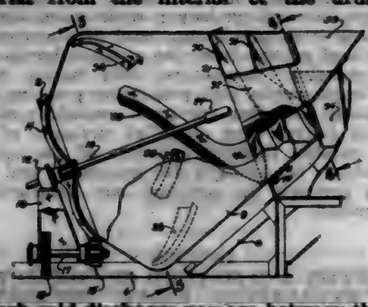
MIXING APPARATUS

Adolph W. Rybeck, Milwaukee, Wis., assignor to T. L. Smith Company, Milwaukee, Wis., a corporation of Wisconsin

Application March 1, 1934, Serial No. 713,491

3 Claims. (Cl. 83—73)

1. In a material mixing apparatus, a rotatable mixing drum having an opening at one end, a tubular duct in said end of the drum to afford a charging passage, said duct being spaced from the adjacent wall of the drum to provide a discharge passage around the outside of the duct and extending a substantial distance into the drum, and a spiral wall encircling the tubular duct with one edge fixed to the duct and its opposite edge fixed to the drum to mount the duct from the drum without closing said discharge passage, and said spiral wall being operable upon rotation of the drum in one direction to eject material from the interior of the drum out



through said discharge passage between the duct and the adjacent wall of the drum.

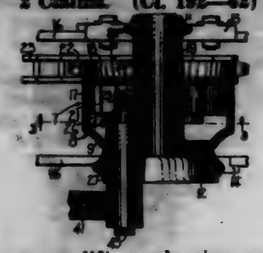
2,029,127

POWER LIFT CLUTCH MECHANISM

John Schaeffer, Hericon, Wis., assignor to The Van Brunt Manufacturing Company, Hericon, Wis., a corporation of Wisconsin

Application November 2, 1933, Serial No. 696,524

2 Claims. (Cl. 192—62)



2. In a power lift mechanism comprising a continuously rotating drum member, an intermittently rotatable plate member journaled concentrically with said drum member, and means for causing said plate member to be rotated with said drum, a relatively large cylindrical trunnion formed on said rotatable plate and extending axially thereof, a bearing in which said trunnion is journaled, a pivot pin supported on said trunnion and disposed eccentrically to the axis thereof, said pin projecting outwardly beyond the outer side of said bearing, and a lifting link pivoted on said outwardly projecting end of said pin.

2,029,128

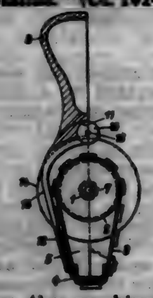
STAMP

Herbert Schönfelder, Leipzig, Germany, assignor to Elizabeth Tietze, née Friedrich, Molkau/Leipzig, Germany

Application December 14, 1932, Serial No. 647,294

In Germany May 3, 1932

5 Claims. (Cl. 101—111)



1. In a stamp the combination of: a casing including a knob; a spindle mounted in said

casing; a printing bar carried by the casing; a plurality of pulleys independently rotatable upon said spindle and provided with discs slightly projecting from said casing, said disc serving for setting said pulleys from the outside; bands carrying printing characters, said bands being passed each over a pulley and the printing bar; said casing including the knob consisting of two identical halves, the plane of division of the casing passing through the axis of the spindle upon which the pulleys are mounted, and also passing through the printing bar, substantially as described.

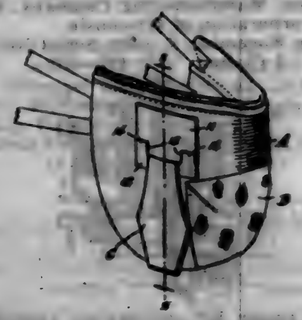
2,029,129

MEANS FOR AND METHOD OF CONNECTING AN EXHALATION VALVE, SEPARATOR, OR SIMILAR ELEMENT WITH THE FACE PIECE OF A RESPIRATOR, GAS MASK, OR THE LIKE

Nathan Schwartz, New York, N. Y.

Application July 26, 1935, Serial No. 33,198

4 Claims. (Cl. 128—146)



1. In a respirator, gas mask or the like, a face piece having a slit, an element having an open end extending through said slit, swatches of gas impervious material adhesively applied to the exterior of the face piece adjacent said slit and adhesively joined to said element and to each other.

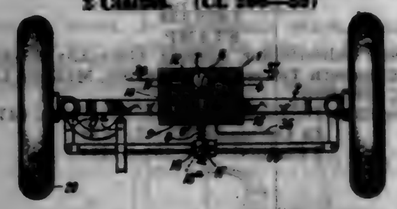
2,029,130

SWITCH MECHANISM

Paul A. Schwartz, Flushing, N. Y.

Application April 8, 1931, Serial No. 528,545

2 Claims. (Cl. 200—52)



1. In a selective switch for electrical circuits adapted to be operated by a shiftable member connected to steering mechanism, a basic support, normally fixed electrical contacts mounted thereon, a movable electrical contact pivotally mounted on said basic support between said fixed contacts and having an operating arm, and yielding actuating means for said operating arm comprising a flexible member overlapping said arm in mutually retentive relationship therewith to angularly displace said arm and an automatically adjustable connector for attachment to the shiftable member to be movable therewith to apply force to said flexible member laterally thereof.

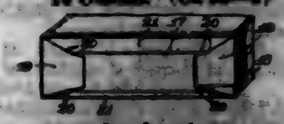
2,029,131

WRAPPER OF TRANSPARENT OR ORNAMENTAL CHARACTER AND METHOD OF MAKING THE SAME

Milton J. Shoemaker, Madison, Wis., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York

Application May 27, 1931, Serial No. 540,275

16 Claims. (Cl. 93—1)



1. The process for forming a wrapper under tension upon an article which comprises wrapping upon at least a portion of said article a sheet of thin, limp, wet material having film-forming properties, said sheet being capable of shrinking substantially upon drying, arranging portions of said sheet in overlapping relation, pressing said overlapping portions together to cause adherence of the sheet portions, and drying said wrapper, the inherent adhesive properties of said wet sheet being sufficient to hold the overlapping portions together against the shrinking forces exerted by the shrinking action of the sheet.

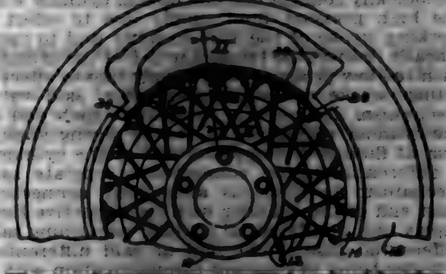
2,029,132

WHEEL BALANCE

Owen R. Skelton, Grosse Pointe Farms, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application December 10, 1932, Serial No. 647,067

1 Claim. (Cl. 301—5)



The combination in a vehicle wheel having a rim of channel section, a liner over the rim serving as a protective covering for the outer periphery of the base of said channel rim, a tire casing on said rim, an inner tube within said casing in contact with the outer periphery of said liner, of a circumferentially shiftable balancing weight between the adjacent faces of said liner and said rim temporarily held in a predetermined position by said liner and permanently held in position by the pneumatic pressure in said inner tube.

2,029,133

DRIVE MECHANISM FOR SHAKER CONVEYERS

William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

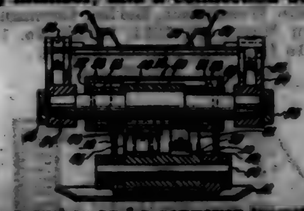
Application May 1, 1933, Serial No. 669,871

Renewed June 15, 1935

5 Claims. (Cl. 74—26)

1. A casing for shaker conveyer drives including side and end walls and a detachable cover, bearing support means in the sides of said casing,

a rotatable crank journaled therein, other bearing support means in the sides of said casing, a bell crank member journaled therein for rocking movement with respect thereto, a third set of bearing support means in the sides of said casing, a rocking member journaled therein, a connection between said bell crank member and rocking member, and a connection between said



rocking member and a conveyer trough for reciprocably driving said conveyer trough at a predetermined variable acceleration, said casing being so arranged and constructed that other rocking and connecting members may be interchanged with said first-mentioned members for changing the conveying action of said conveyer trough without changing said bearing means.

2,029,134

TIGHTENING DEVICE

Harry Stanley, Rocky River, and Vincent J. Muir, Cleveland Heights, Ohio

Application June 20, 1934, Serial No. 731,492

4 Claims. (Cl. 24—264)



1. A tensioning device comprising a pin rotatable about its axis and having an axial bore for the reception of the end of a string, means enclosing the end of said bore and an opening through the wall of the pin to said axial bore.

2,029,135

MUSICAL INSTRUMENT

Harry Stanley, Rocky River, and Vincent J. Muir, Cleveland Heights, Ohio

Application December 5, 1934, Serial No. 756,099

9 Claims. (Cl. 84—298)



1. A bridge for musical instruments comprising a rigid bar having string engaging recesses, and threaded members rigidly and permanently secured to said bar and adapted to clamp the same upon a surface of a musical instrument.

2,029,136

TIME ELEMENT DEVICE

Harry M. Stevens, deceased, late of Schenectady, N. Y., by Emmanuan Stevens, executrix, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 4, 1932, Serial No. 632,112

11 Claims. (Cl. 128—94)

1. In a relay time element mechanism of the type wherein a fluid containing chamber of variable volume is provided with means for changing its volume, a restricted passage from said chamber for the admission and emission of fluid, a relatively unrestricted passage from said chamber, and valve means for controlling the flow of fluid in said unrestricted passage constructed and arranged to occupy any one of a plurality of positions therein, said valve means being opera-



tive in one of said positions to prevent only emission of fluid from said chamber through said unrestricted passage and in another of said positions to prevent only admission of fluid through said unrestricted passage to said chamber and means for controlling said valve when in said other position to prevent any flow of fluid in said unrestricted passage.

2,029,137

ELECTRORESPONSIVE DEVICE

Harry M. Stevens, deceased, late of Schenectady, N. Y., by Emmanuan Stevens, executrix, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Original application October 4, 1932, Serial No. 632,113. Divided and this application May 2, 1935, Serial No. 19,623

5 Claims. (Cl. 200—87)



1. A relay comprising relatively movable cooperating contacts, actuating means therefor including a collapsible mechanism, means for maintaining said mechanism rigid to hold said contacts in one position, means for collapsing said mechanism including a movable operating member, a projection on said operating member extending in the path of movement of said mechanism and engageable therewith on longitudinal movement of the operating member in one direction while the mechanism is collapsed to restore it to the rigid condition, said operating member being rotatable to a position such that said projection is out of the path of movement of said mechanism whereby longitudinal movement of the operating member in said direction while the mechanism is collapsed is ineffective to reset the mechanism.

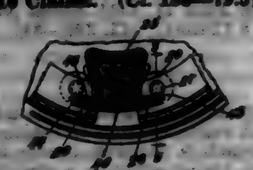
2,029,138

BRAKE SHOE CENTRALIZING DEVICE

William Sterrie, Providence, R. I., assignor to Lewis R. Smith, receiver for Apco Mossberg Corporation, a corporation of Rhode Island

Application December 19, 1934, Serial No. 758,251

10 Claims. (Cl. 188—79.5)



1. In a brake, a pair of movable shoes, a support member provided with a supporting surface

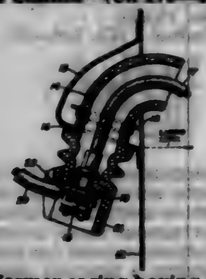
thereon, a spacing member on said surface, secured to said support member and means on said shoes to slidingly engage said member and support the shoes thereby.

2,029,129
ASH RECEPTACLE
Gustave V. Stalm, New York, N. Y.
Application January 23, 1931, Serial No. 511,675
4 Claims. (Cl. 131—51)



1. An ash receiver for cigars and cigarettes comprising a shallow flanged tray, a receptacle of substantially greater height than the tray, mounted in the tray but spaced from the flange thereof, air vents formed in the lower portion of said receptacle and communicating with said tray and a grid spanning the top of said receptacle.

2,029,140
BUSHING FOR TRANSFORMER CASINGS
Edward D. Treanor, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application November 1, 1934, Serial No. 750,993
3 Claims. (Cl. 175—361)



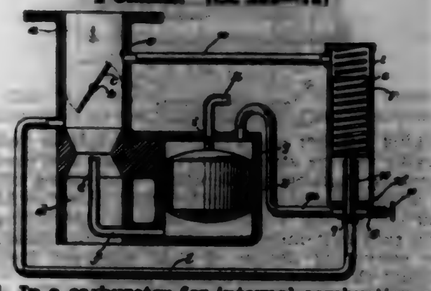
3. A transformer casing having an overhanging side pocket, an insulating bushing secured through the bottom of said pocket, a transformer terminal secured in the outer end of said bushing, said bushing having an integral flange extending between said terminal and the adjacent wall of the casing and having an opening in its side opposite the casing, an electrode secured to the terminal and extending through said flange opening with its outer end spaced from the outer part of said pocket to provide a discharge gap, and an insulating liquid in said casing with its level between that of said terminal and said outer part of the pocket.

2,029,141
DEVICE FOR SPRAYING
Earl S. Warner, Valleville, Conn., assignor to Air-Flo Corporation, Boston, Mass., a corporation of Massachusetts
Application June 11, 1934, Serial No. 730,055
8 Claims. (Cl. 299—89)



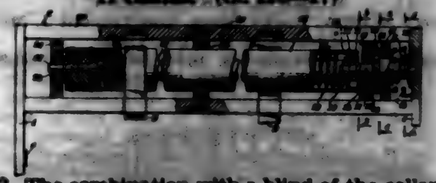
8. The method of atomizing a liquid substance to be sprayed which consists in forcing air under pressure through a tapered nozzle reducing in diameter and terminating in a circular opening and provided with means for imparting a rotary motion to the formed cylinder of air and simultaneously projecting a liquid substance to be sprayed in a ribbonlike stream in the axis of the revolving cylindrical stream of air and in the direction of flow of the air.

2,029,142
CARBURETOR FOR COMBUSTION ENGINES
Wilhelm Wennhöner, Berlin, Germany
Application March 15, 1934, Serial No. 715,769
In Germany March 15, 1933
2 Claims. (Cl. 261—72)



1. In a carburetor for internal combustion engines, in combination, a float chamber, a mixture conduit including a venturi, a fuel jet in said venturi, a throttle valve in said conduit posterior to said venturi, a fuel pipe leading from said chamber directly to said jet, a passage leading from a point in said chamber above the fuel level therein to a point in said conduit between said venturi and said throttle, a cylinder, a piston slidable in said cylinder, a valve on said piston adapted to control said passage, a spring in said cylinder urging said valve toward closed position, a second passage from said cylinder behind said piston to a point in said conduit beyond said throttle, and adjustable means to admit air to said first passage between said valve and said chamber.

2,029,143
VENETIAN BLIND AND MECHANISM FOR OPERATING THE SAME
Miles O. Wicks, Glen Cove, N. Y.
Application August 24, 1934, Serial No. 741,262
11 Claims. (Cl. 160—17)



2. The combination with a blind of the collapsible type, of a spring roller attached to the top of the blind, and means connected to one end of the spring roller for controlling tension of the spring therein and for controlling the raising and lowering of the blind.

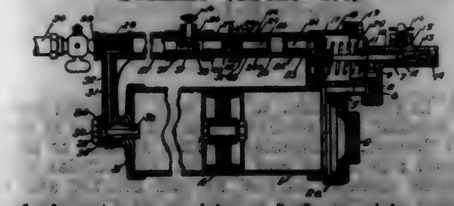
2,029,144
ELECTRIC DISCHARGE DEVICE OR VACUUM TUBE
Erich Wiegand, Berlin-Waldesruhe, Germany, assignor to General Electric Company, a corporation of New York
Application April 27, 1934, Serial No. 722,783
In Germany May 4, 1933
4 Claims. (Cl. 250—27.5)

1. The method of introducing a highly reactive metal into the envelope of an electric discharge device which consists in forming a stable alloy of said metal with a highly reducing metal, mixing said alloy with an exothermically reducible



compound sufficient in amount to react only with said reducing metal, and heating said mixture to a reaction temperature in said envelope.

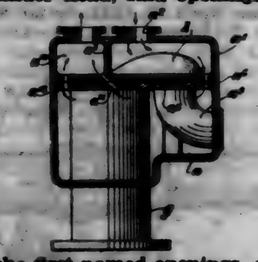
2,029,145
MOTOR
George B. Wilson and Karl C. Hagley, Erie, Pa.
Application June 29, 1932, Serial No. 619,937
4 Claims. (Cl. 121—150)



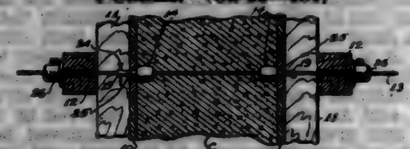
1. A motor comprising a body; a piston operating in the body; a pressure fluid supply means delivering fluid to the body in pressure relation to the piston; and a valve mechanism in said supply means comprising a valve chamber, a reciprocating valve seating in the chamber and controlling an alternate fluid supply and exhaust to and from the body, said valve having opposed differential surfaces subjected to the supply fluid with the surface of lesser area subjected to ingoing fluid and the surface of greater area to the outgoing fluid, said chamber having an inlet for the ingoing fluid, an outlet leading to the body and an exhaust port discharging the fluid from the outlet side of the valve, said exhaust being closed during the building up of pressure in the body and valve chamber, the valve being immediately responsive in alternative movement to pressure differences on the opposite ends of the valve induced by fluid pressure differences.

2,029,146
WATER COOLING SYSTEM FOR INTERNAL COMBUSTION ENGINES
Gottfried Wirrer, Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a corporation of Delaware
Application August 3, 1934, Serial No. 738,871
6 Claims. (Cl. 123—173)

1. In an internal combustion engine having a jacketed cylinder head and a jacketed cylinder, a combustion chamber exposed to the interior of the cylinder, an inlet port in the cylinder head through which cooling water passes over the combustion chamber, inlet and exhaust ducts disposed within the cylinder jacket, registering openings in the cylinder head and cylinder jacket remote from said inlet port through which water passes from the cylinder head to the cylinder jacket, one of said openings being disposed in proximity to the exhaust duct and adjacent one side thereof, other registering openings in the cylinder jacket and cylinder head through which the water passes from the cylinder jacket back into the cylinder head, said openings being remote from the first named openings, a discharge port in the cylinder head for the water, and means separating the inlet and discharge ports to cause cooling water to flow through the aforesaid openings.

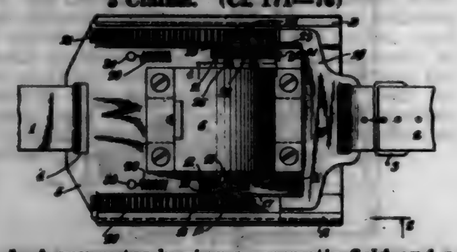


2,029,147
CORE FOR MOLDING CONCRETE
MacGregor S. Anderson, Chicago, Ill.
Application May 21, 1934, Serial No. 726,639
4 Claims. (Cl. 25—131)



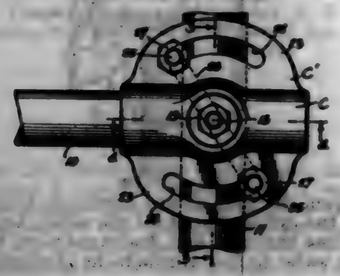
1. A device of the class described for molding concrete, comprising a form tie rod, a radially expansible and endwise compressible core of resilient material mounted on said tie rod, and means for compressing said core endwise comprising clamp plates engaging the ends of said core and provided with relatively rotatable shank portions having threaded engagement with each other, one of said shank portions extending through said core.

2,029,148
RESPIRATORY ACTUATING MEANS FOR GENERATORS
George F. Archer, New York, N. Y.
Application July 20, 1935, Serial No. 32,373
3 Claims. (Cl. 171—76)



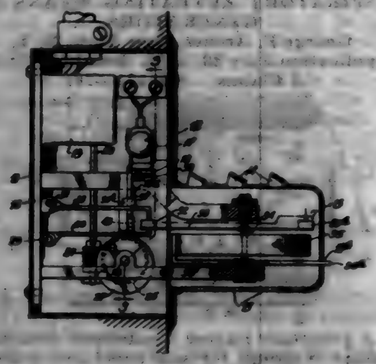
1. A generator having a magnetic field and an armature, a mount for said generator, guideways on said mount, separate gear trains operably engaging said armature, respective racks, slidable in said guideways, in operative engagement with said gear trains, belt means whose opposite ends respectively engage said mount and racks for their movement in one direction during respiratory induced expansion of the belt means, and spring retracting means operable during respiratory induced contraction, whereby the armature is caused to rotate within the field.

2,029,140
GROUND CONNECTER
George L. Barnes, Los Angeles, Calif.; Marne O. Barnes administratrix of said George L. Barnes, deceased
Application April 20, 1933, Serial No. 667,199
2 Claims. (Cl. 247—1)



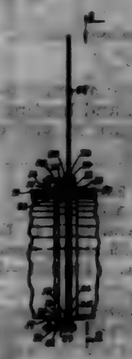
1. A ground connecter characterized by a body structure formed with reversely disposed arcuate slots and alined annularly grooved jaws interposed between the slots; means connecting with the slots to secure said clamping element to a service conduit or water pipe to dispose the jaws in any one of different positions angularly thereto; a fixed bolt projecting from said body structure at a point intermediate the said jaws and medially of the body member and including means for confining a conductor against said body structure, and an element removably received by the bolt and provided with annularly grooved jaws which are complementary to the first said jaws, and means on the bolt for moving said element axially of the bolt, as and for the purpose set forth.

2,029,150
CONDITION CONTROLLED MECHANISM
Paul H. Bear, Dowagiac, Mich., assignor of three-fourths to Herbert E. Ruckles, Jr., Elkhart, Ind.
Application February 14, 1935, Serial No. 6,691
15 Claims. (Cl. 74—53)



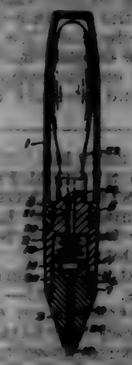
1. In apparatus of the class described, a part to be moved, a constantly reciprocating member, a second member spaced therefrom and parallel thereto in all positions, the second member being operably connected to the part so as to move the part from one position to another as the second member is moved, and a condition-controlled element normally out of operative relation with both members and movable into operative relation connecting said members to transmit motion from the constantly reciprocating member to the second member to move the part.

2,029,151
GOGGLE VALVE
Charles G. Bigelow, Chicago, Ill., assignor to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application October 16, 1934, Serial No. 748,271
3 Claims. (Cl. 251—167)



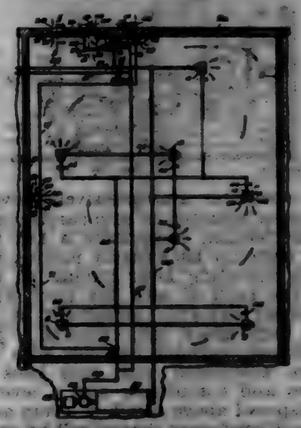
1. In combination, a first pipe, a second pipe, an annular seat secured to said first pipe at one end thereof, an annular bracket secured to said second pipe at an end thereof, an annular collapsible member carried by said bracket and a second annular seat carried by said collapsible member, spacing bolt means cooperating with said first seat and said bracket, a goggle plate movable between said seats, bolts for clamping said goggle valve between said seats, and cracking bolts threaded into said seats for loosening said goggle valve.

2,029,152
INK HEADSEATING DEVICE
Teofil L. Bonkowski, New York, N. Y.
Application September 22, 1934, Serial No. 745,059
4 Claims. (Cl. 138—36)



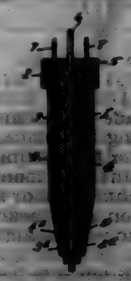
1. A fluid container and dispenser comprising a casing, a reservoir in one end of the casing, a plunger having a recess in the upper end adapted to hold a small amount of fluid extending thru a tip in the opposite end and a valve positioned above the plunger adapted to be opened by said plunger as it is moved inward.

2,029,153
REFRIGERATION PROCESS AND APPARATUS
James A. Burner, Minneapolis, Minn., assignor to Air Systems Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application August 30, 1929, Serial No. 389,496
Renewed November 16, 1932
3 Claims. (Cl. 62—271)



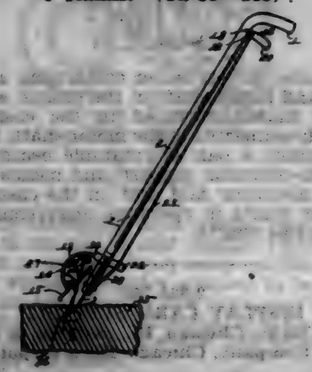
1. A refrigerating process for cooling refrigeration chambers which consists in supplying a refrigerant to a plurality of refrigerating coils located at different points in the chamber to be cooled, passing air rapidly through the various refrigerating coils to cause the refrigerant to absorb heat from the air and deflecting the air as it passes through the refrigerating coils in such manner as to maintain a constant circulation of air in a desired direction to all portions of the refrigeration chamber.

2,029,154
PROCESS OF MAKING CUTTING BLOWPIPE TIPS
Lora Campbell, Jr., Lakewood, Ohio
Application February 11, 1931, Serial No. 515,324
2 Claims. (Cl. 29—157)



1. The process of making a unitary blowpipe tip having a central bore for cutting oxygen and a plurality of bores for preheating mixture grouped about such central bore, said process consisting in providing a blank of ductile metal; forming in one end of said blank an annular recess; providing said blank with a central bore for cutting oxygen extending longitudinally therethrough and with a plurality of bores for preheating mixture extending longitudinally therethrough and grouped about the central bore and substantially parallel therewith and communicating each at one end with said recess; inserting into said bore cylindrical mandrels of smaller diameters than the diameters of said bores; and subjecting the end of said blank which is opposite the one provided with the annular recess to pressure in such manner that the said end is given a substantially frusto-conical shape, the delivery portions of all of said bores are brought into engagement with the corresponding portions of said mandrels therein, and the delivery end portions of the bores for preheating mixture are reduced in diameter and are inclined toward the reduced delivery end of the central bore and the delivery end portion of each bore for preheating mixture merges smoothly with the enlarged portion of such bore which is remote from the delivery end of the tip.

2,029,155
IMPLEMENT FOR REMOVING WEEDS AND THE LIKE
William F. Cervenka and Fred Miller, Traverse City, Mich.
Application September 11, 1935, Serial No. 40,021
6 Claims. (Cl. 55—148)



1. A horticultural implement comprising, in combination: an elongated member including a body part having at its upper end a handle portion and a lower part consisting of a cutting tool of chisel form adapted to be thrust endwise into the earth to sever a plant therein; a lever fulcrumed on the elongated member adjacent the tool, having an arm adapted in one turned position of the lever to grip the plant between said arm and the elongated member; a member movably mounted on the elongated member adjacent its upper end and having a handle portion, said handle portions being adapted to be grasped by the operator; connections extending between the movably mounted member and the lever for moving said arm toward the elongated member to grip the plant, by the mutually approaching movement of said handle portions.

2,029,156
OXIDE FLOTATION
Ludwig J. Christmann, Jersey City, and Stuart A. Falconer, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 1, 1934, Serial No. 751,610
4 Claims. (Cl. 209—166)

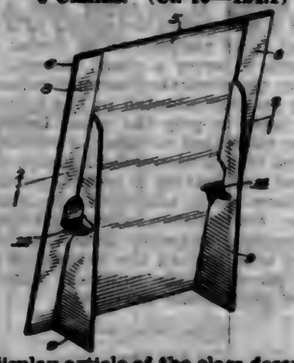
3. A method of concentrating oxidized ores which includes the step of subjecting an oxidized ore to a froth flotation operation in the presence of sodium mercaptobenzothiazole, phosphoric acid and a frother.

2,029,157
MOTOR-DRIVEN BEATER
Arthur B. Church, Chicago, Ill., assignor, by mesne assignments, to Hamilton Beach Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application February 6, 1931, Serial No. 513,815
10 Claims. (Cl. 259—121)



1. A motor driven beater comprising a casing, a motor and motor shaft in the casing, a pair of rotatable shafts journaled in the casing and operatively connected to the motor shaft, a beater unit including a pair of rotatable beater shafts and a non-rotatable support, and means for detachably mounting said unit on the casing with the beater shafts in operative engagement with said rotatable shafts.

2,029,158
DISPLAY CARD SUPPORT
John D. Clarke, Chicago, Ill., assignor to Chicago Carton Company, Chicago, Ill., a corporation of Illinois
Application May 3, 1935, Serial No. 19,562
6 Claims. (Cl. 40—124.1)



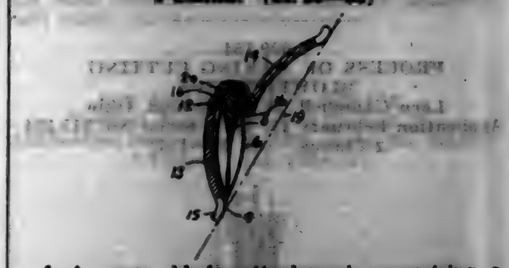
1. A display article of the class described, comprising a main body having display material on its front and having an easel formation on its back, said easel formation comprising a narrow flap extending from one edge of the body member, integral therewith, rebent and secured to said back thereof, a wing extending from the inner edge of said rebent flap, said wing being foldable into angularly disposed relation to said flap and having its lower edge adapted to engage the surface on which the display article is placed to support the same in operative position, and means for locking said wing in said angularly disposed relation.

2,029,159
TYPEWRITER
Seward A. Dean, St. Paul, and Obed M. Russell, Hastings, Minn., assignors of one-fourth to Arthur C. Cragg, one-fourth to Le Roy Wellver, and one-fourth to Roy F. Wilder, all of St. Paul, Minn.
Application April 20, 1932, Serial No. 606,352
2 Claims. (Cl. 197—6)



1. In a typewriter, a progressively movable carriage, a platen mounted on said carriage and back spacing mechanism comprising a key lever, an actuating lever for backwardly moving said carriage, said actuating lever having an arm disposed in the path of said key lever whereby a predetermined swinging movement of said key lever will back space said carriage a predetermined distance, variable carriage stop or guard mechanism associated with said back spacing mechanism and comprising also a lever having an arm disposed above said key levers and so related to said key levers that it will be swung different predetermined distances by said several levers and a movable guard or stop selectively positioned for engagement with said carriage by said carriage stop actuating lever.

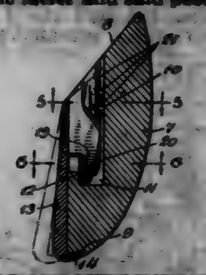
2,029,160
RAZOR ATTACHMENT
Carl Friedrich Erx, Solingen-Wald, Germany
Application December 9, 1933, Serial No. 701,585
5 Claims. (Cl. 30—53)



1. A razor blade attachment comprising a spring for engaging the blade, hinged means to serve as a guard for the cutting edge of the razor blade and as a handle to manipulate the spring to apply the attachment to or remove it from the blade, and faces on said means for directly engaging the blade to retain said means in different positions.

2,029,161
BACKING FOR ARTIFICIAL TEETH
Hyman Freedman, Brooklyn, N. Y.
Application January 20, 1934, Serial No. 707,718
1 Claim. (Cl. 32—8)

In a dental bridgework, an artificial tooth provided in its rear surface with a groove extending from the inner end of the tooth to a point short of the incisal tip thereof and having cross-sectional areas of different widths, and a backing having a ledge engageable with the incisal tip of said tooth and provided with a post insertable into said groove, said post having one portion conforming to the contour of the different cross-sectional areas of said groove and another portion conforming only to the smaller cross-sectional area of the groove, both of said portions being of smaller dimensions than the corresponding areas of said groove so as to provide a space between the walls of the latter and said post, whereby the



inner adjacent faces of the tooth and backing may assume a relative angular position until said post is entirely inserted into said groove, said tooth and backing thereafter having relative lateral movement to abut said faces and thereby engage said ledge with said incisal tip, and the total length of said post being less than that of said groove.

2,029,162
BAR CLAMP FOR BELTS
Jesse G. Gibson, Bradford, Pa., assignor of fifty-one per cent to Bovaird and Company, Bradford, Pa., a copartnership consisting of George W. Bovaird and Joseph H. Bovaird
Application January 30, 1934, Serial No. 708,089
15 Claims. (Cl. 24—31)



1. A bar clamp for belts comprising opposing series of bar sections, said sections having complementary hinge members at opposite sides connecting the sections, said hinge members having surfaces locking one section against disengagement from another.

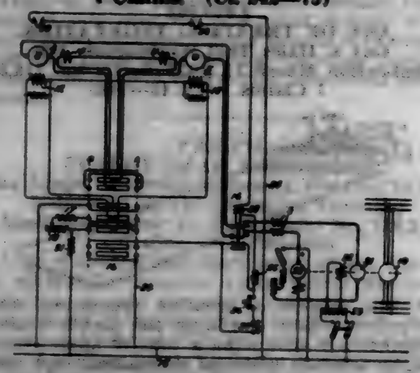
2,029,163
AUTOMATIC AIR VENT FOR PIPE LINES UNDER PRESSURE
Benedetto Giovenale, Rome, Italy
Application January 14, 1932, Serial No. 851,693
In Italy April 15, 1931
2 Claims. (Cl. 137—93)

1. Automatic air vent for pipe lines adapted to be operated by the pressure of water or other liquid flowing therethrough, so as to respectively control the discharge and the introduction of air in the pipe line as it is being filled with or emptied of liquid, and also to allow the escape of air accumulating in the pipe line during its operation, comprising in combination with a chamber communicating with the pipe line, a vertical cylinder connected to said chamber, a piston adapted to be moved vertically in said cylinder by the differential action of the hydrostatic pressure applied to the underside of said piston by means of a pipe directly connecting the underside of said piston with the pipe line, and the hydrodynamic pressure applied to the upper side of said piston conveyed thereon through said chamber, curved pipe and passages, a main valve integral with said vertical piston, a container having its underside connected with said chamber for collecting the air contained in the pipe line, a float vertically movable in said container, being guided therein by central upper and lower pivots, a second smaller vertical cylinder, an air escape valve at the top of said container con-



trolled by said upper pivot leading to a tube connected to the top of said smaller vertical cylinder, and a second piston valve provided in said smaller vertical cylinder adapted to be operated by the air conveyed therein from said container, thus automatically discharging to atmosphere all the air collecting in the pipe line when the said main valve is closed.

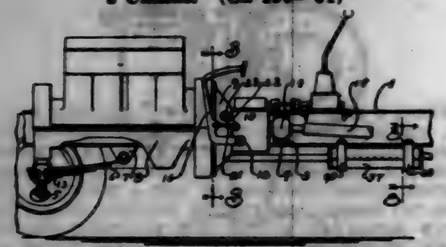
2,029,164
ROLLING MILL DRIVE
Wilfred B. Green, Rugby, England, assignor to General Electric Company, a corporation of New York
Application October 27, 1931, Serial No. 571,407
In Great Britain October 28, 1930
7 Claims. (Cl. 242—75)



1. In combination with means for winding and unwinding a continuous strip of material having a winding reel and an unwinding reel, a pair of dynamo-electric machines each connected to one of said reels, and each provided with a series field

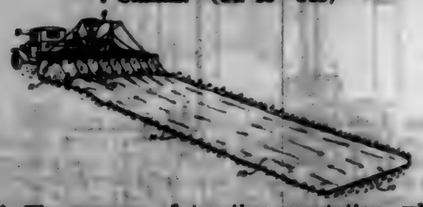
winding and a parallel field winding, a supply generator, said generator and dynamo electric machines being connected in series relationship with each other, means for controlling the energization of said field winding so that the windings of the winding reel machine act cumulatively and the windings of the unwinding reel machine act differentially thereby to maintain the tension of the strip substantially constant and means for controlling said dynamo electric machines so that the voltage of one of said machines adds to the generator voltage and the voltage of the other of said machines opposes the generator voltage.

2,029,165
VEHICLE CONTROL
Newton F. Hadley, Beverly Hills, and Edward J. Delahanty, Detroit, Mich., assignors to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application January 2, 1931, Serial No. 506,114
Renewed July 19, 1935
2 Claims. (Cl. 180—64)



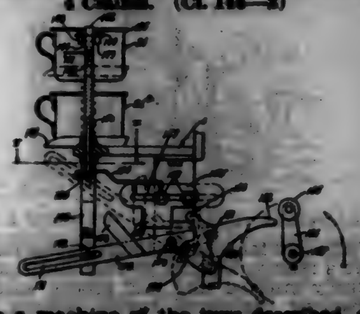
1. In a vehicle having a chassis frame and a motor including variable transmission mechanism, a member on one end of said motor swiveled on said frame, means yieldably supporting the other end of said motor, a housing having a gear shift lever swiveled therein mounted on said frame rearwardly of said member, a shiftable shaft operatively associated with said gear shift lever and rotatably mounted in said housing, and a flexible link located in registration with said member pivotally attached at one end to said shaft and at the other end to said transmission mechanism for operating the latter by movement of said gear shift lever and adapted to prevent movement of said gear shift lever by the movement of said motor.

2,029,166
ART OF TREATING VEGETATION
Guy S. Hake, Port Washington, Wis.
Application March 21, 1934, Serial No. 716,569
7 Claims. (Cl. 43—143)



1. The process of treating vegetation, which comprises, totally confining the plants while simultaneously advancing a zone of application of volatile treating material therealong, and subsequently maintaining such total confinement of the plants while gradually and positively forcing the volatile material into intimate contact therewith for a definite period of time after such initial application of the treating material.

2,029,167
CUP MOVING MECHANISM
Morten Hansen, Los Angeles, and Joseph F. Pollen, Glendale, Calif.; said Pollen assignor to William G. Young, Los Angeles, Calif.
Original application June 24, 1932, Serial No. 619,100. Divided and this application July 25, 1933, Serial No. 682,082
4 Claims. (Cl. 146—2)



1. In a machine of the type described, a cup, means for supporting said cup in a predetermined position, a second cup, second means for independently supporting said second cup directly below said first cup, and means actuated in response to removal of said first cup from said predetermined position for lifting said second cup vertically into said predetermined position and into supported relation with said first supporting means.

2,029,168
SULPHONATED HIGHER UNSATURATED CARBOXYLIC ESTERS OF POLYHYDROXY SUBSTANCES
Benjamin R. Harris, Chicago, Ill.
No Drawing. Application November 16, 1929, Serial No. 407,796
15 Claims. (Cl. 260—156)

1. A derivative of an unsaturated higher fatty acid ester of a sugar, the ester being solid at ordinary room temperatures, there being a sulphate group attached to a carbon at a double bond of the unsaturated fatty acid.

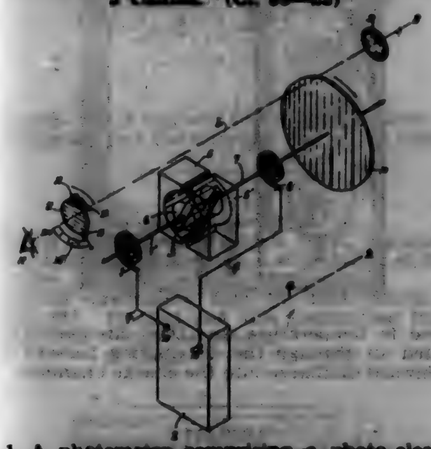
2,029,169
INTERNAL COMBUSTION ENGINE
Yasunaburo Hiroaka, Tsuwano-cho, Kano-Ashigun, Shimane-ken, Japan
Application June 13, 1932, Serial No. 617,006
4 Claims. (Cl. 123—48)



4. In an internal combustion engine, including a cylinder and piston, means for varying the throw of the piston under variations of pressure in the cylinder, including a shaft, a ratchet wheel mounted thereon, a pawl device for turning said shaft in alternately opposite directions and

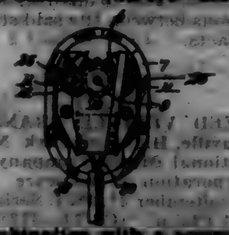
means for actuating said pawl device and turning said ratchet wheel in a direction dependent on the variation of pressure in the cylinder.

2,029,170
PHOTOMETER
Lloyd Irving Hall, Milwaukee, Wis.
Application February 4, 1933, Serial No. 655,897
5 Claims. (Cl. 88—23)



1. A photometer comprising a photo-electric device constituting a source of current and arranged to receive light from a source to be measured and an electrical measuring instrument for indicating the electromotive force generated by said photo-electric device, having a rotatable shaft, an electrical connection between the measuring instrument and the photo-electric device, whereby to cause the shaft to rotate in response to current flowing through the device, and an optical system comprising two tourmaline plates, a lens, the lens and tourmaline plates being located in the same light path, one of said plates being mounted on the shaft for rotation therewith, the other of said plates being manually rotatable, a pointer attached by suitable means to the last mentioned plate and a scale for cooperation with said pointer, for determining the current flow through said indicating means.

2,029,171
BRUSH FOR MOTORS AND GENERATORS
August F. Lundquist, Worcester, Mass., assignor to Lundquist Tool & Mfg. Company, Worcester, Mass., a firm consisting of August F. Lundquist and Einar B. Lundquist
Application October 22, 1934, Serial No. 749,527
3 Claims. (Cl. 171—221)



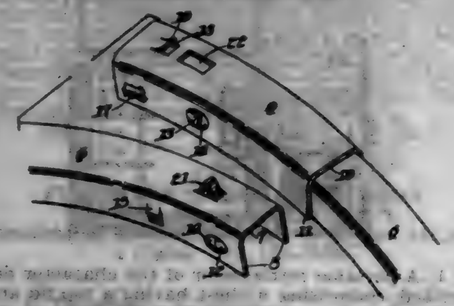
3. The combination with a commutator and a brush therefor, of a fixed stud on which the brush is centrally and rotatably mounted, and means connecting the stud with the brush for rotating the brush through a substantially complete revolution automatically as it is worn away.

2,029,172
MATERIAL FOR LEATHER SUBSTITUTE AND OTHER PURPOSES
Albert J. Hanley, Cranston, R. I., assignor to Keepro Inc., Cranston, R. I., a corporation of Rhode Island
Application April 19, 1933, Serial No. 666,843
8 Claims. (Cl. 91—68)



1. The herein disclosed process of making a leather substitute or the like, which comprises applying a rubber compound to a textile fabric base having attached loops of thread projecting therefrom in an uncut state, drying and effecting vulcanization of the rubber compound and at one stage in the process pressing the uncut loops of thread into flattened condition in the applied compound, substantially parallel to the general plane of the fabric to provide a smooth fibrous surface.

2,029,173
SEALING RING
Albert E. Joyner, Edgewood, Pa., assignor to Pittsburgh Steel Drum Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 2, 1933, Serial No. 654,833
9 Claims. (Cl. 220—61)

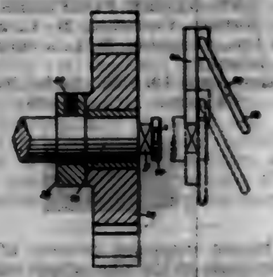


1. In a split ring of the character described having overlapping ends, one of said ends having a latch portion and the other end having interlocking means co-operating with said latch portion to resist circumferential opening movement of said ring, the outermost portion of the overlapping ring end having means co-operating with the other end portion resisting outward opening movement of the ring when said ring is closed.

2,029,174
CHANGE GEAR MECHANISM
Max Junge, Chemnitz, Germany, assignor to J. E. Reinecker, A. G., Chemnitz, Germany
Application June 12, 1934, Serial No. 730,243
2 Claims. (Cl. 287—53)

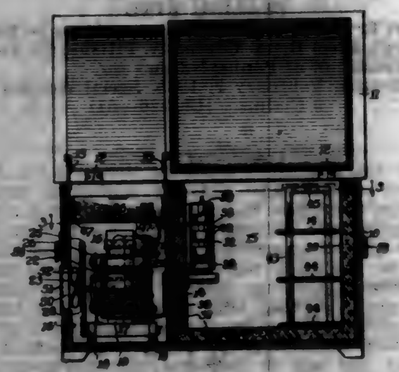
1. In a change gear mechanism of the character set forth a trunnion, a gear wheel detachably mounted on said trunnion, the latter having a head which outwardly projects off the trunnion proper and is notched laterally so as to present a pair of guiding faces, the latter being parallel to each other, a slotted disc adapted to slidingly fit into the notched portion of the said head, and additional locking means for securing said slotted disc in its operative position, said additional locking means comprising a stirrup shaped clasp

resiliently hinged to the slotted disc by means of pivots, which extend at an obtuse angle to each



other, and being adapted to engage the projecting head of the trunnion.

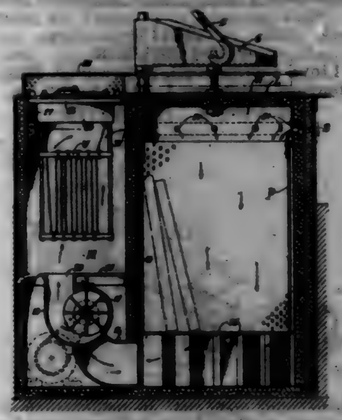
2,028,175
PORTABLE REFRIGERATOR
Sylvester A. Limpert, Bay Shore, N. Y., assignor to Mechana Kold Corporation, Bay Shore, N. Y., a corporation of New York
Application December 4, 1933, Serial No. 700,789
9 Claims. (Cl. 62—116)



1. A portable refrigerator of the character described, comprising a chest having a top lid and a transverse partition dividing the body of the chest into two compartments, refrigerant circulating means mounted in one of said compartments, and a freezing unit mounted in the other compartment and pipe connected to said circulating means, said freezing unit comprising a relatively narrow and deep box open at its top, and an ice cube tray vertically insertible and removable through the open upper end of said box.

2,028,176
DRAWING FURNACE
Le Roy A. Lindberg, Evanston, Ill., assignor to Lindberg Engineering Company, Chicago, Ill., a corporation of Illinois
Application January 14, 1935, Serial No. 1,753
2 Claims. (Cl. 266—5)

1. In a drawing furnace having a charge chamber open at the top together with a removable cover therefor, the combination of walls defining a separate heating chamber extending vertically adjacent the charge chamber and in free communication therewith adjacent its bottom, means providing a horizontal distributing passage circumferentially of the charge chamber in its upper region and in communication with the upper region of the heating chamber, a heating unit mounted within the heating chamber, and means below the heating unit for drawing air from the bottom region of the charge chamber, sending the air upwardly past the heating unit to be thereby



raised in temperature, and then circulating the heated air through the distributing passage for downward discharge into the charge chamber.

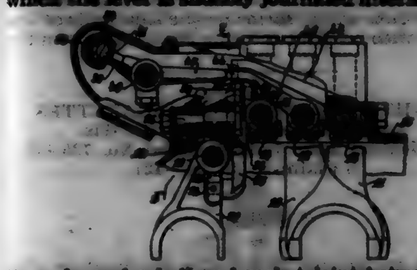
2,028,177
GAME APPARATUS
Ben MacDougall, Chicago, Ill., assignor to Fred C. McClellan, Chicago, Ill.
Application November 15, 1935, Serial No. 49,969
4 Claims. (Cl. 273—121)



1. A score control device for an amusement apparatus of the type which includes a cabinet having a member providing a ball-playing surface provided with ball-receiving pockets, said score control device comprising score-indicating means, a plurality of electrical circuits for operating said score-indicating means and each of said circuits including a switch closed by the action of a ball entering one of said pockets, each of said circuits also including a stationary contact and a movable contact and the latter being movable successively into engagement with said stationary contacts, and means for moving the said movable contacts successively into engagement with the said stationary contacts to change, by chance, the relative positions between the said stationary and movable contacts.

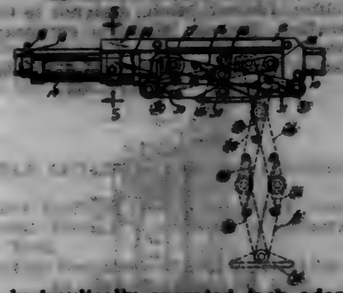
2,028,178
FOUR-SPEED VEHICLE TRANSMISSION
Keith E. Manville, Highland Park, N. J., assignor to International Motor Company, New York, N. Y., a corporation of Delaware
Application September 23, 1934, Serial No. 745,011
1 Claim. (Cl. 74—473)

A transmission mechanism having a plurality of shifter rods lying in a horizontal plane, shifter fingers on the shifter rods, the ends of the fingers having angular portions terminating in a vertical plane, a transmission operating mechanism, a lever to actuate the fingers by the mechanism, a guide rod parallel to the shifter rods and upon which the lever is slidably journaled intermediate



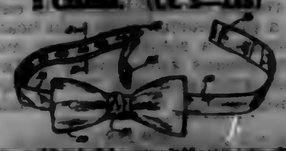
its ends, and a ball and socket joint between the mechanism and the adjacent end of the lever.

2,028,179
VEHICLE JACK
Harold J. Marlowe, Brooklyn, N. Y., assignor to Jackomatic Corporation, a corporation of Delaware
Original application July 22, 1931, Serial No. 552,428. Divided and this application March 24, 1932, Serial No. 600,852
13 Claims. (Cl. 254—121)



8. A hydraulically operated jack adapted for permanent mounting on a vehicle adjacent the underside thereof, including in combination, an extendible and retractable lazy-tong jack unit, cylinder and piston operating mechanism for the jack unit, and a common supporting member for the jack unit and the cylinder and piston mechanism, the connections between the jack unit and the supporting member being such that all vertical components of thrust are transmitted from the jack unit to the vehicle through the supporting member without affecting the cylinder and piston mechanism.

2,028,180
NECKTIE CONSTRUCTION
William Mayer, New York, N. Y.
Application July 27, 1933, Serial No. 681,483
2 Claims. (Cl. 2—145)



1. In an adjustable necktie, a neckband portion comprising inner and outer plies having their edges doubled inwards and stitched together to form a relatively thick margin of at least four plies, an additional strip of material, narrower than the neckband portion, stitched at its edges to the outside of said inner ply, said stitches extending only through the inner ply and lying within the medial area between said margins, said strip having a series of perforations arranged in predetermined longitudinally spaced relation, said neckband portion being adapted to be doubled back upon itself and provided at its end with a hook adapted to engage with a selected perforation, a reinforcement band underneath said strip and having perforations registering with those in said strip, and means marginally interengaging each pair of registering perforations for securing the reinforcement band in position.

2,028,181
NECKTIE CONSTRUCTION
William Mayer, New York, N. Y.
Application August 12, 1935, Serial No. 35,747
3 Claims. (Cl. 2—155)



1. In an adjustable necktie having a neckband portion adapted to be doubled back upon itself, a male fastening element at the end of said portion, and a band carried by the neckband portion on its inner surface and provided with longitudinally spaced perforations, whereby said fastening element may be engaged with any selected perforation to adjust the effective length of said neckband portion; said band comprising a length of flattened tubular-woven fabric, and said perforations being longitudinal slits extending only through the exposed ply of said band.

2,028,182
FURNITURE SPRING SUSPENSION
Charles C. Murdock, Buffalo, N. Y.
Application November 5, 1932, Serial No. 641,389
1 Claim. (Cl. 155—179)

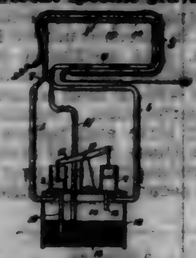


A furniture spring suspension comprising a frame; a plurality of main springs each of which is connected at one end with said frame; a pivot bar connecting the other ends of said main springs; a draw bar connected to said frame and a resilient connection between said pivot bar and said draw bar.

2,028,183
ADVERTISING SIGN OF ELECTRIC LIGHTS
Eizo Mukasa, Meguro-ku, Tokyo, Japan
Application December 29, 1933, Serial No. 704,578, Renewed November 23, 1935. In Japan December 31, 1932
2 Claims. (Cl. 40—130)

1. An advertising electric light sign characterized in that it comprises a liquid pipe overlapped on an electric luminous member and a liquid tank connected to said liquid pipe, said liquid tank containing a plurality of liquids of different

colors and different specific gravities, and means



for causing the liquids of the layers in the tank to alternately flow through said liquid pipe.

2,029,124
OIL BURNING APPARATUS
Arthur E. Paige, Philadelphia, Pa.
Application April 7, 1933, Serial No. 665,149
3 Claims. (Cl. 158—91)



1. The combination with an annular oil burner bowl, having a central air conduit; of an air jacket surrounding said bowl in spaced relation with the rim thereof, adapted to conduct air to support combustion in said bowl; air directing means overlying said bowl and respectively adapted to direct air outwardly with respect to said axis and inwardly with respect to said rim, including a cap at the axis of said bowl and supported by said central air conduit and an air distributing ring overhanging the rim of said bowl and supported by said jacket; and means respectively connecting said cap with said bowl and said bowl with said ring in variable vertically spaced relation; whereby the quantity and proportions of air delivered to said bowl, outwardly from the axis thereof and inwardly from the circumference thereof and consequently the shape of the flame produced by combustion in said bowl may be varied by relative vertical adjustment of said cap and bowl with respect to said ring.

2,029,185
SPINNING BUCKET
Vincent Pasoff, Bellort, France, assignor to General Electric Company, a corporation of New York
Application October 16, 1934, Serial No. 748,210
In France November 2, 1933
3 Claims. (Cl. 117—27.5)



1. A spinning spindle comprising a driven shaft, a spinning bucket, means for positively fastening the bucket to the shaft, and a removable false bottom adapted to fit in said bucket for removing the cake which forms on the side walls of the bucket without disconnecting the bucket from the shaft.

2,029,186
LIGHTING DEVICE FOR CIGARETTES
Norman Peterson, Marinette, Wis.
Application June 7, 1935, Serial No. 725,453
6 Claims. (Cl. 44—42)



2. In an igniting device, the combination with an article to be ignited treated with potassium permanganate, of a device separate from the article containing a material including glycerine for causing a chemical reaction with the potassium permanganate and the article to bring about the instant combustion of the article and the giving off of free oxygen by the potassium permanganate to support combustion when the treated portion of the article is placed in contact with the material in said device.

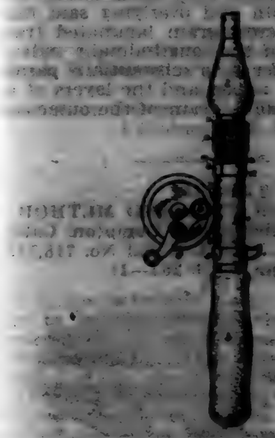
2,029,187
CLUTCH MECHANISM
Karl Pfeiffer, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application March 10, 1932, Serial No. 598,259
5 Claims. (Cl. 192—68)



4. A clutch including driving means and a driven member, a clutch disc mounted on said driven member, a pressure ring shiftably mounted on said driving means, springs bearing between said pressure ring and said driving means normally retaining said disc in frictional engagement with said driving means, spaced lugs on said pressure ring having registering apertures therein, a rolling contact bearing in each of said apertures, a pin journaled in said bearings, and means including a rotatable finger mounted on said driving means and having rolling contact engagement with said pin for retracting said pressure ring against the action of said springs.

2,029,188
REEL BASE-PLATE FISHING-ROD ATTACHING MEANS
Joseph L. Potter, Indianapolis, Ind.
Application November 23, 1934, Serial No. 754,486
3 Claims. (Cl. 43—23)

1. A reel seat comprising a tube having an outside annular head, means on the tube for receiving one end of a reel base, a sleeve slidably and rotatively mounted on the tube between the base of the reel and the annular head, said sleeve having means to receive the other end of the reel base, threads on the sleeve, and a nut,



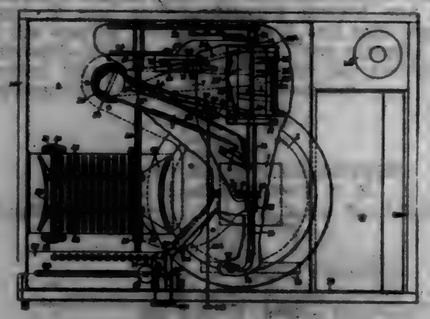
threads on the nut engaging the threads on the sleeve, said nut adapted to contact the head on the tube and force the sleeve and its reel base holding means toward the reel to clamp the reel base to the tube.

2,029,189
DOUBLE ACTING INTERNAL COMBUSTION ENGINE
Johannes Radlof, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application December 18, 1934, Serial No. 758,211
In Germany April 14, 1934
5 Claims. (Cl. 123—176)



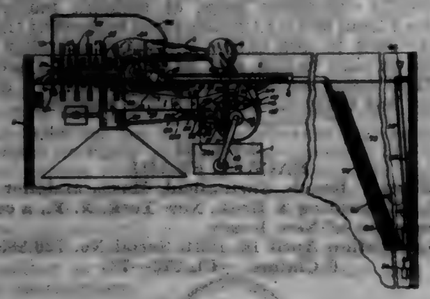
1. In a double acting internal combustion engine, the combination of a hollow piston, a piston stem secured to the piston and having an axial channel for conducting cooling medium to the piston, a tubular member surrounding the piston stem and defining an annular space for conducting cooling medium discharged from the hollow piston, and means for reducing the cooling effect of said medium on the tubular member.

2,029,190
PHONOGRAPH
Clemens E. Ranzy, Riverside, Ill.
Application July 24, 1928, Serial No. 295,617
127 Claims. (Cl. 274—19)



75. In a phonograph, record rotating means, reproducing mechanism, record feeding mechanism adapted to deliver records of different predetermined diameters and having a plurality of different carriers in alignment with said record rotating means and each delivering only a record of a certain diameter directly on said means, and means for automatically adjusting said reproducer mechanism to cooperate with the records delivered by different carriers including a cam movable with the feeding mechanism and reproducer controlling mechanism controlled by said cam.

2,029,191
PHONOGRAPH
Clemens E. Ranzy, Riverside, Ill.
Application January 11, 1934, Serial No. 706,264
94 Claims. (Cl. 274—19)



23. In a phonograph, mechanism for automatically reproducing a series of records including a record rotating table, reproducer mechanism for reproducing a record on said table, a record receiving magazine having a plurality of record holders each adapted to receive a record, means for advancing said record holders toward said table, and means including a control member located alongside said record holders and in position to be engaged by the records in said holders for controlling the automatic operation of said mechanism, said control member being displaced by the insertion of a record in any of said holders whereby to continue the automatic operation of said mechanism so long as a record remains in said magazine, and means governing the return of said control member to its normal position upon feeding of the last record in said magazine to the table and disabling said automatic mechanism upon reproduction of the last record.

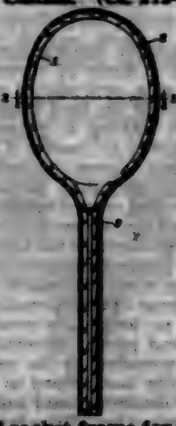
2,028,183
SMOKING STAND
Alvis M. Ray, Tacoma, Wash.
Application May 27, 1935, Serial No. 23,768
15 Claims. (Cl. 131—51)



1. A portable smoking stand comprising a body portion having an open top and a passageway therethrough communicating at the other end with the atmosphere of the room in which the stand is located, means for supporting a cigar or cigarette with its lighted end adjacent the open top of said body portion, means for creating a draft of air through said passageway in a direction away from the open top, and means for removing ashes and smoke from the air drawn through said passageway before it again reaches the atmosphere of the room.

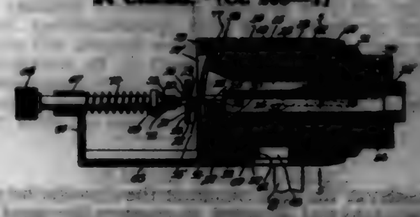
11. In a smoking stand, the combination with a casing having an open top of means for supporting a cigar or cigarette with its lighted end adjacent said open top comprising a plurality of upwardly extending loops of resilient material formed from one continuous piece secured at their lower ends to said casing through a plurality of holes in said casing and having their adjacent vertical sides normally spaced apart by a distance less than the diameter of a cigarette.

2,028,184
RACKET FRAME
William F. Roach, Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., a corporation of New Jersey
Application April 14, 1934, Serial No. 720,863
6 Claims. (Cl. 273—73)



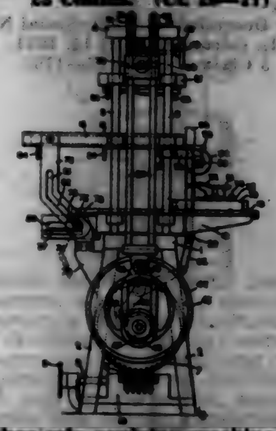
1. In a wood racket frame for tennis or the like, an inner strip portion with the grain running longitudinally thereof, said inner strip being bowed against the edge of the grain, and an outer strip portion with the grain running longitudinally thereof, said outer strip being bowed with the flat of the grain and overlying said inner strip, providing a cross-grain laminated frame having the layers of the longitudinally extending grain of the inner strip substantially parallel to the plane of the racket and the layers of the longitudinally extending grain of the outer strip transverse thereto.

2,028,194
WATCHMAKER'S TOOL AND METHOD
Eugene Myrian Richardson, Compton, Calif.
Application April 3, 1934, Serial No. 718,787
14 Claims. (Cl. 266—1)



1. The method of forming a pivot at the end of a staff which comprises drawing out the end of the staff, and turning the drawn-out end to proper size and shape to fit its bearing.

2,028,195
SHOE SOLE APPLYING MACHINE
Charles M. Riddoch, Amherst, Mass.
Application December 26, 1934, Serial No. 758,213
22 Claims. (Cl. 12—17)



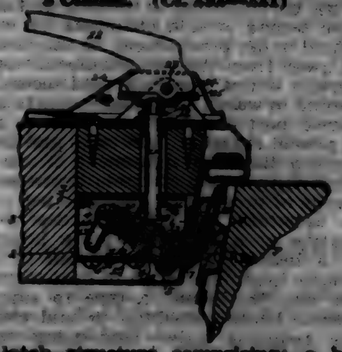
10. A shoe sole applying machine comprising a frame, an upper support mounted to move vertically thereon, an upper base on the upper support, a sole pressing die on the upper base, a mid-support fixedly mounted on the frame and extending laterally therefrom, a mid-base mounted to slide laterally on the mid-support, an open die on the mid-base having its upper surface of a width to support the upper portion of the shoe sole extending beyond the upper, a lower support mounted for vertical movement on the frame and extending laterally therefrom in a direction opposite the mid-support, a lower base mounted to slide laterally on the lower support, a last having its upper portion of a size and shape to conform to the inner surface of the inner sole of an assembled shoe upper and inner sole pivotally mounted at the heel end of its lower portion to the lower base.

2,028,196
MOTOR SLEIGH
Joseph W. Roberts, Portage la Prairie, Manitoba, Canada
Application February 15, 1934, Serial No. 711,410
2 Claims. (Cl. 180—5)



1. In an automobile sleigh movable over a surface by crawler traction, the combination with the rear end of an automobile frame, the rear axle housing underlying the rear end of the frame and the rear driving axle contained within the housing, of a gear casing pivotally carried for vertical swinging movement by the outer end of the housing, a rear shaft carried by the casing, driving connections between the shaft and the axle and contained within the casing, a road wheel secured to the shaft, a pair of forwardly and rearwardly extending side arms pivotally connected to the frame for vertical swinging movement, means pivotally connecting the rear end of the rear arm to the gear casing, a forward cross shaft underlying the forward end of the front arm and pivotally connected thereto and provided with a road wheel tracking in advance of the rear wheel, a spring associated with the arms and preventing their collapse under the weight of the load imposed on the frame, a spacing arm extending between the gear casing and the front shaft and pivotally attached to such parts, said arm being adjustable in length, a radius rod preventing rear swing of the rear axle, endless ground engaging chains passing around the rims of the wheels, chain wheels connected to the hub portion of the road wheels and an endless chain connecting the chain wheels.

2,028,197
LATCH
Gordon E. Redding, Grand Rapids, Mich., assignor to Grand Rapids Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application February 22, 1934, Serial No. 712,581
5 Claims. (Cl. 292—331)



1. A latch structure comprising: a base; a latching bolt pivotally mounted thereon for projecting and retracting movements; an elongated first member pivotally connected with the bolt; a second member having a limited movement relatively to said first member in the longitudinal direction thereof; a bearing in the base wherein said second member is slidable, said bearing being so disposed that the sliding movement of said second member toward one end of the bearing projects the bolt and said second member's sliding movement in the opposite direction retracts the bolt; means for yieldingly holding the bolt in projected position.

2,028,198
LUBRICANT METERING DEVICE
Oscar A. Ross, New York, N. Y.
Application March 19, 1927, Serial No. 176,221
27 Claims. (Cl. 184—7)



1. In combination, a source of lubricant, a part to be lubricated, a lubricant metering device connected between the source and the part comprising; a member containing a metering chamber having an inlet passage connected to the source and an outlet passage connected to the part, a metering piston arranged to travel between the inlet and the outlet ends of the chamber arranged to act as a seal therebetween, a port therein for transferring the lubricant from the inlet side to the outlet side of the piston, a valve member supported by the piston controlled by the movement thereof arranged to close the port as the piston is moved to the inlet end and open the port as the piston is moved to the outlet end of the chamber, resilient means normally urging the piston to the inlet end of the chamber, means for supplying lubricant under pressure from the source to the chamber whereby the chamber is filled with lubricant and the piston is moved to the outlet end of the chamber and the movement thereof actuates the valve to open the port during the final movement thereof, and means for relieving the pressure whereby the resilient means normally restrains the piston to the inlet end of the chamber and the movement thereof transfers the lubricant through the port from the inlet side to the outlet side of the piston and subsequently restrains the valve to close the port and restore the device to normal operating position as the piston impinges on the inlet end of the chamber.

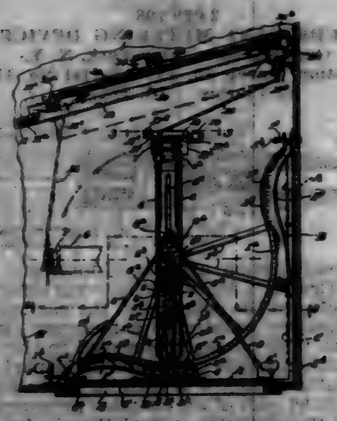
2,028,199
HANDLE
Lee Segar, Troy, Pa.
Application April 23, 1935, Serial No. 17,885
3 Claims. (Cl. 292—173)



1. The combination of a latch releasing handle, a releasing plate having the handle interfitted therewith and operative for projecting the handle when pressure is applied to said plate, means connected with the handle and plate to normal-

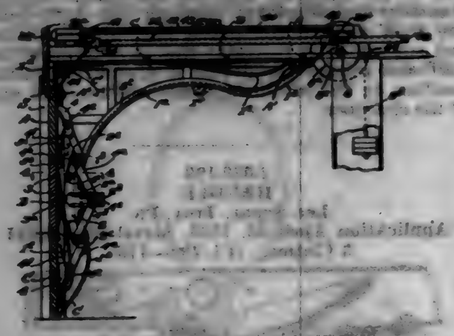
ly hold the bans interfitted with each other and latching means directly operated upon by the handle when projected by the plate and said handle shifted in one direction.

2,029,260
SWINGING DOOR MECHANISM
Ernest L. Shaffer, Vinton, Iowa
Application June 6, 1931, Serial No. 543,672
24 Claims. (Cl. 20—30)



1. In combination, a swinging door having a plurality of hinged sections; a pivoted swingable carrier for said door connected to one section and adapted to move the door from fully closed position into fully opened position; a member movably mounted on the carrier; and means operated by the member for yieldably aligning the several sections edgewise as they move into fully closed or into fully opened positions.

2,029,261
SWINGING DOOR MECHANISM
Ernest L. Shaffer, Vinton, Iowa
Application June 6, 1931, Serial No. 543,673
20 Claims. (Cl. 20—30)



1. In combination, a swinging door comprising a plurality of relatively movable sections; a movable carrier at each side of said door and connected therewith and adapted to move the door from its fully closed position into its fully opened position; a member movably mounted on each carrier; and means operated by the members for yieldably aligning the several sections edgewise as they move into fully closed or into fully opened positions.

2,029,262
HIGH PRESSURE SAFETY GAUGE COCK
Chester G. Shepherd, Prospect, Ill.
Application August 28, 1935, Serial No. 38,271
2 Claims. (Cl. 251—89)



1. A safety gauge cock of the class described, comprising a body having its bore at the attaching end provided with a bevelled valve seat, a conical valve for engaging said seat, vanes to ream the bore of the body above said seat, a stem section from which the vanes extend and carrying said valve, an adjustable abutment on said stem, an abutment intermediate of said body, an expansive spring arranged between said abutments and urging the valve to its seat, a bonnet screw-threaded to said body, a valve stem section screw-threaded in the bonnet, and separable coupling means between the valve stem sections.

2,029,263
TEMPERATURE REGULATOR
Elem B. Soderberg, Passaic, N. J., assignor to Leslie Corporation, Lyndhurst, N. J.
Application July 31, 1933, Serial No. 683,360
8 Claims. (Cl. 236—99)



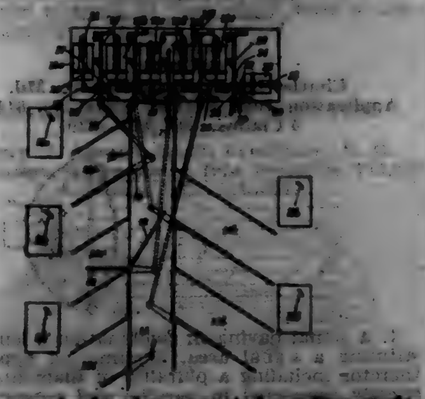
1. In apparatus of the class described, a control element comprising in combination a pair of chambers communicating through a port, a tapered restriction pin reciprocably movable within the port, an inlet to the first and an outlet from the second of said chambers by means of which fluid under pressure can be supplied to and carried away from the two chambers respectively, a further outlet port from said second chamber opening to waste, and a valve controlling said last-named port arranged responsive to pressure in said second chamber, said valve and pin being so arranged that any movement of the former will affect the position of the latter to accelerate the change of pressure in the chamber.

8. In apparatus of the class described, the combination of a container for a liquid to be heated, a heating element adapted to carry a condensable heating medium in heat-transferring relation with the liquid, a pipe to supply said condensable heating medium to said element, a pressure reducing valve controlling the flow through said pipe and adapted to reduce the pressure from a variable higher pressure to an adjustable lower pressure, said pressure reducing valve comprising a main valve controlling the flow of heating medium, pressure fluid actuated means for operating said main valve, a pilot valve admitting pressure fluid to said means, a diaphragm the pressure on which influences the extent of opening of the pilot valve, and thermostatically operated means varying the pressure on said diaphragm responsively to the temperature of the liquid to be heated.

2,029,264
TRANSFER INK
Frank Solomon, New York, N. Y., assignor to Resistion Paint, Long Beach, N. Y.
No Drawing. Application May 28, 1934, Serial No. 727,912
3 Claims. (Cl. 154—32)

1. A transfer ink having a solid state in normal atmospheric temperature and flowable into a thin film in the presence of low heat from a hot iron, consisting of five parts of alcohol combined with approximately one part of titanium dioxide in the presence of heat with one-half a part of tricresyl phosphate, five parts of resin and a one-half part of varnish combined to form a binder for the other ingredients together with coloring material added thereto.

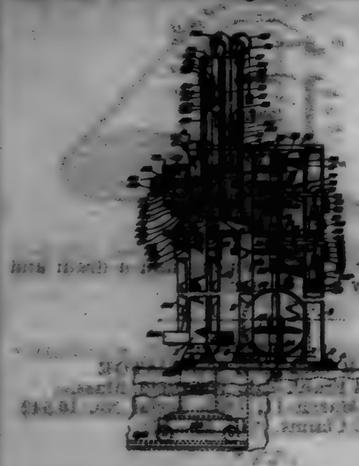
2,029,265
COIN-FREED DELIVERY MACHINE
Henry Cecil Sumner, Wyberton, and Frederick John Taylor and Frank Langley, Kirton, England
Application February 1, 1935, Serial No. 2,147
In Great Britain February 2, 1934
13 Claims. (Cl. 194—10)



1. In a coin-freed or operated vending or delivery machine having a plurality of coin-insertion positions and a plurality of goods-delivery positions corresponding thereto the combination of delivery tracks leading one to each delivery position, and electromagnetic devices for preparing, upon the insertion of a coin at a selected position, the corresponding track for delivery and for locking all other tracks against delivery until such delivery has been effected, which devices are in circuit with and include contacts at each insertion position for actuating said devices upon the insertion of a coin.

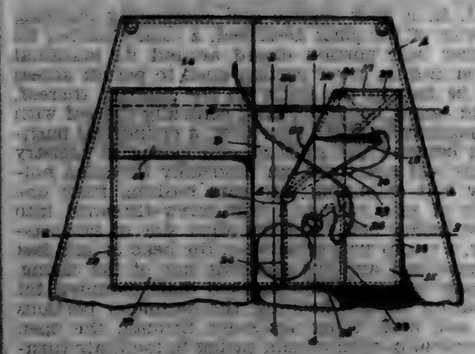
2,029,266
METHOD AND MACHINE FOR DRAWING OR PULLING WIRE
George H. Williams, Kokomo, Ind., assignor to Continental Steel Corporation, Kokomo, Ind., a corporation of Indiana
Application August 22, 1932, Serial No. 629,618
55 Claims. (Cl. 80—32)

1. In a continuous wire drawing machine adapted to draw wire from a main wire body comprising a rotatable wire drawing block, means for rotating said block, wire severing means rotatable with said block adapted to sever wire there-



on during rotation thereof and means for actuating said severing means at predetermined intervals whereby predetermined amounts of severed wire are produced from said main wire body.

2,029,267
SAFETY WATCH POCKET FOR GARMENTS
Charles Reece Wood, Red Boiling Springs, Tenn.
Application October 24, 1933, Serial No. 695,009
In Canada April 22, 1933
7 Claims. (Cl. 2—254)



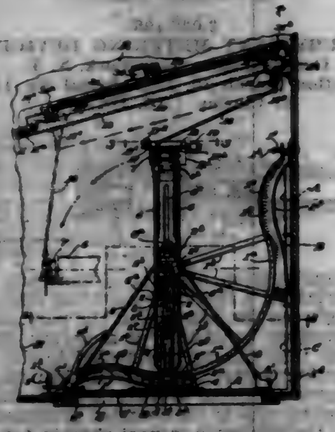
1. Pocket structure, comprising two pieces of material sewn to a backing to provide with said backing a plurality of pockets, said pieces being offset with respect to each other overlapped and secured together to provide between the overlapped portions of said pieces an additional pocket.

2,029,268
HUMIDIFYING HEAT-SAVER
Kirdy C. Wright, St. Paul, Minn.
Application August 22, 1932, Serial No. 629,819
14 Claims. (Cl. 261—15)

14. A heating and humidifying device for buildings including a cabinet, a series of transverse flues extending in said cabinet, connecting passageways and baffle means to direct hot gases

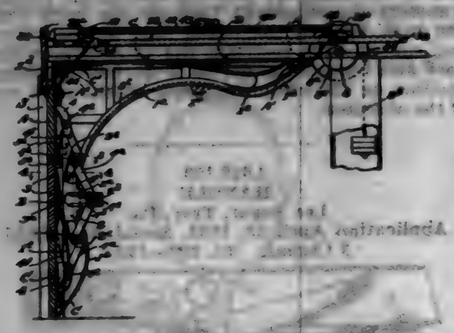
ly hold the same interfitted with each other and latching means directly operated upon by the handle when projected by the plate and said handle shifted in one direction.

1,929,200
SWINGING DOOR MECHANISM
Ernest L. Shaffer, Vinton, Iowa
Application June 6, 1931, Serial No. 543,671
24 Claims. (Cl. 20—39)



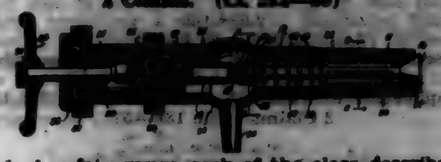
1. In combination, a swinging door having a plurality of hinged sections; a pivoted swingable carrier for said door connected to one section and adapted to move the door from fully closed position into fully opened position; a member movably mounted on the carrier; and means operated by the member for yieldably aligning the several sections edgewise as they move into fully closed or into fully opened positions.

1,929,201
SWINGING DOOR MECHANISM
Ernest L. Shaffer, Vinton, Iowa
Application June 6, 1931, Serial No. 543,675
20 Claims. (Cl. 20—39)



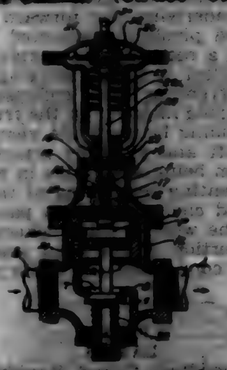
1. In combination, a swinging door comprising a plurality of relatively movable sections; a movable carrier at each side of said door and connected therewith and adapted to move the door from its fully closed position into its fully opened position; a member movably mounted on each carrier; and means operated by the members for yieldably aligning the several sections edgewise as they move into fully closed or into fully opened positions.

1,929,202
HIGH PRESSURE SAFETY GAUGE COCK
Chester G. Shepherd, Freeport, Ill.
Application August 23, 1928, Serial No. 301,271
2 Claims. (Cl. 251—39)



1. A safety gauge cock of the class described, comprising a body having its bore at the attaching end provided with a beveled valve seat, a conical valve for engaging said seat, vanes to ream the bore of the body above said seat, a stem section from which the vanes extend and carrying said valve, an adjustable abutment on said stem, an abutment interiorly of said body, an expansive spring engaging said abutments and urging the valve to its seat, a bonnet screw-threaded to said body, a valve stem section screw-threaded in the bonnet, and separable coupling means between the valve stem sections.

1,929,203
TEMPERATURE REGULATOR
Sten E. B. Soderberg, Passaic, N. J., assignor to Leslie Company, Lyndhurst, N. J.
Application July 22, 1932, Serial No. 624,360
8 Claims. (Cl. 236—20)



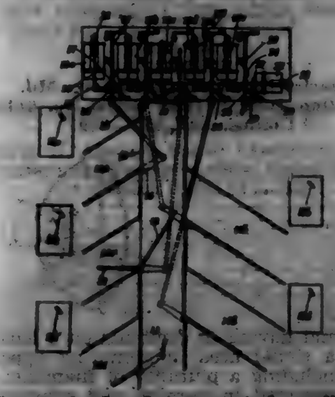
1. In apparatus of the class described, a control element comprising in combination: a pair of chambers communicating through a port, a tapered restriction pin reciprocably movable within the port, an inlet to the first and an outlet from the second of said chambers by means of which fluid under pressure can be supplied to and carried away from the two chambers respectively, a further outlet port from said second chamber opening to waste, and a valve controlling said last-named port creating variations in pressure in said second chamber, said valve and pin being so arranged that any movement of the former will affect the position of the latter to accelerate the change of pressure in the chamber.

8. In apparatus of the class described, the combination of a container for a liquid to be heated, a heating element adapted to carry a condensable heating medium in heat transferring relation with the liquid, a pipe to supply said condensable heating medium to said element, a pressure reducing valve controlling the flow through said pipe and adapted to reduce the pressure from a variable higher pressure to an adjustable lower pressure, said pressure reducing valve comprising a main valve controlling the flow of heating medium, pressure fluid actuated means for operating said main valve, a pilot valve admitting pressure fluid to said means, a diaphragm the pressure on which influences the extent of opening of the pilot valve, and thermostatically operated means varying the pressure on said diaphragm responsively to the temperature of the liquid to be heated.

1,929,204
TRANSFER INK
Frank Solomon, New York, N. Y., assignor to Beatrice Ryter, Long Beach, N. Y.
No Drawing. Application May 28, 1924. Serial No. 717,913
2 Claims. (Cl. 134—22)

1. A transfer ink having a solid state in normal atmospheric temperature and flowable into a thin film in the presence of low heat from a hot iron, consisting of five parts of abestine combined with approximately one part of titanium dioxide in the presence of heat, with one-half a part of tricresyl phosphate, five parts of resin and a one-half part of varnish sufficient to form a binder for the other ingredients, together with coloring material added thereto.

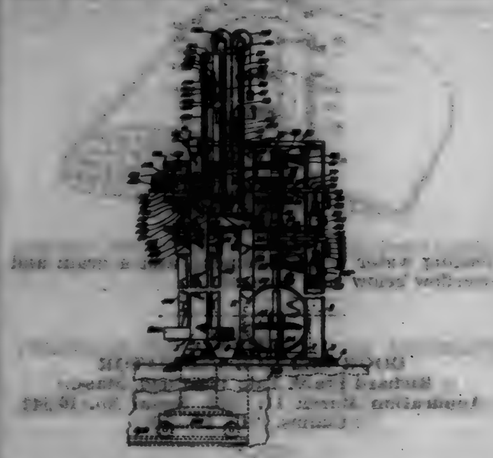
1,929,205
COIN-FREED DELIVERY MACHINE
Henry Cecil Sumner, Wyberton, and Frederick John Taylor and Frank Langley, Kirton, England
Application February 1, 1929, Serial No. 337,782
In Great Britain February 2, 1928
13 Claims. (Cl. 194—46)



1. In a coin-freed or operated vending or delivery machine having a plurality of coin-insertion positions and a plurality of goods-delivery positions corresponding thereto the combination of delivery tracks leading one to each delivery position, and electromagnetic devices for preparing, upon the insertion of a coin at a selected position, the corresponding track for delivery and for locking all other tracks against delivery until such delivery has been effected, which devices are in circuit with and include contacts at each insertion position for actuating said devices upon the insertion of a coin.

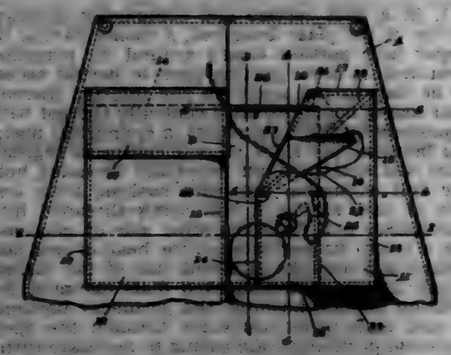
1,929,206
METHOD AND MACHINE FOR DRAWING OR PULLING WIRE
George H. Williams, Kokomo, Ind., assignor to Continental Steel Corporation, Kokomo, Ind., a corporation of Indiana
Application August 18, 1923, Serial No. 664,818
55 Claims. (Cl. 80—33)

1. In a continuous wire drawing machine adapted to draw wire from a main wire body comprising a rotatable wire drawing block, means for rotating said block, wire severing means rotatable with said block adapted to sever wire there-



on during rotation thereof and means for actuating said severing means at predetermined intervals whereby predetermined amounts of severed wire are produced from said main wire body.

1,929,207
SAFETY WATCH POCKET FOR GARMENTS
Charles Reece Weed, Red Rolling Springs, Texas.
Application October 24, 1923, Serial No. 670,902
In Canada April 22, 1923
7 Claims. (Cl. 2—254)

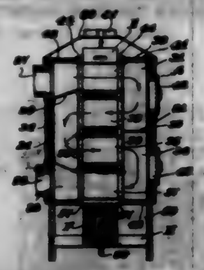


1. Pocket structure, comprising two pieces of material sewn to a backing to provide with said backing a plurality of pockets, said pieces being offset with respect to each other overlapped and secured together to provide between the overlapped portions of said pieces an additional pocket.

1,929,208
HUMIDIFYING HEAT-SAVER
Kindy C. Wright, St. Paul, Minn.
Application August 23, 1913, Serial No. 785,819
16 Claims. (Cl. 261—15)

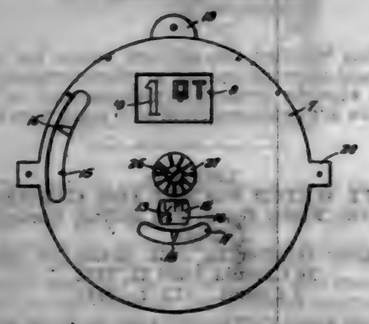
14. A heating and humidifying device for buildings including a cabinet, a series of transverse flues extending in said cabinet, connecting passageways and baffle means to direct hot gases

through said flues, a humidifying element extending between said flues, and spray means for



feeding water to said element, and a drain and overflow below said element.

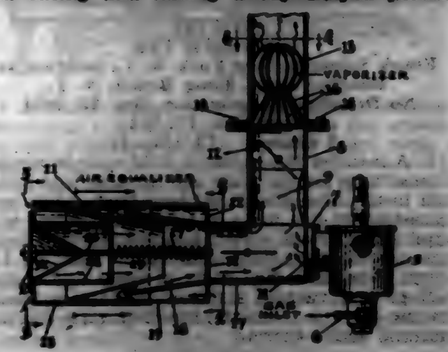
2,029,199
DOOR SERVICE INDICATOR
Richard Frank Zak, Westfield, Mass.
Application March 11, 1935, Serial No. 10,542
3 Claims. (Cl. 40—70)



1. In a door service and commodity ordering device of the class described, a casing having its upper half portion closed around its marginal area and its lower portion open to permit access to be had to the space on the interior thereof, said casing being provided centrally thereof with oppositely disposed apertures, a cylindrical bushing between the sides of said casing in registry with said apertures, an internally threaded hollow bolt extending into said bushing from one side of said casing, a bolt screw-threaded into said hollow bolt from the other side of said casing, a crimp washer between the head of said last named bolt and the adjacent side of the casing, a pair of companion marked dials mounted for rotation on said bushing, the perimeter portions of said dials being accessible through the open marginal portion of said casing to facilitate turning of the dials if and when said dials hang or become otherwise bound in a manner to hinder expeditious adjustment thereof.

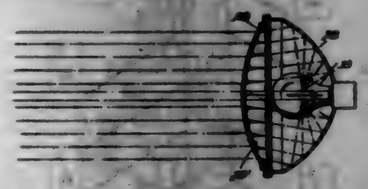
2,029,210
CARBURETOR AIR INTAKE AND VAPORIZER
Antonio G. Abate, Napa, Calif.
Application January 14, 1935, Serial No. 1,763
1 Claim. (Cl. 261—64)

A device of the character described, in combination with a carburetor, a standpipe attached to the carburetor and communicating therewith, a manifold connected to said standpipe and communicating with an internal combustion engine, an agitating element positioned between said standpipe and said manifold, a horizontal extension connected to said standpipe, a funnel secured to said extension, a casing surrounding said funnel, ports formed in said casing, at a point adjacent to the connection of said funnel with said horizontal port extension, and a second funnel sealed to the end of said casing, having its small end projecting into said first mentioned funnel, a telescopic member slidably mounted on said casing and having a cup shaped portion



extending into said second mentioned funnel, spring means for maintaining said sliding member in adjusted position, and a valve extending into said cup shaped portion, whereby when said cup shaped portion is moved away from said valve against the tension of said spring air may pass through said cup shaped portion and said second mentioned funnel.

2,029,211
SIGNAL
Charles Adler, Jr., Baltimore, Md.
Application June 1, 1935, Serial No. 24,818
4 Claims. (Cl. 177—329)

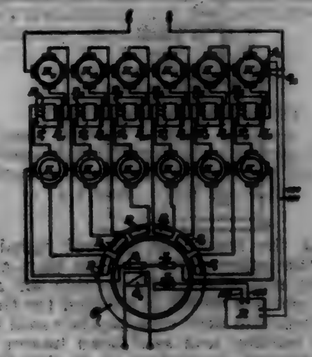


1. A signal having in combination a lens constituting a signal area, illuminating apparatus therefor including a plurality of filaments electrically connected in parallel and substantially at the focus of said lens, and a screen between said filaments disposed in rear of and spaced a substantial distance from the signal area and cooperating with said filaments and signal area and permitting unobstructed illumination of the signal area when each filament is energized, said screen when one of said filaments burns out cooperating with the remaining filament and confining a portion only of the light from said remaining energized filament to produce a substantial bright area and a smaller but visible darker spot on the signal area.

2,029,212
ELECTRICAL DIRECT CURRENT SYSTEM
Johan Emil Aba, Stockholm, Sweden, assignor to Baltzar Carl Von Platen, Stockholm, Sweden
Application February 16, 1934, Serial No. 711,761
In Sweden February 22, 1933
26 Claims. (Cl. 171—123)

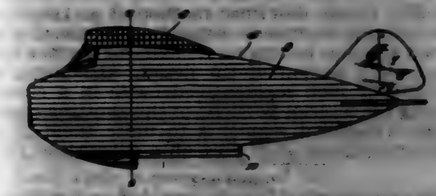
1. A direct current system comprising an alternating current machine of the synchronous

heteropolar type having a plurality of phase displaced armature windings, a plurality of alternating current circuits each controlled by one of said armature windings, main field pole pieces and intermediate auxiliary pole pieces, the last named pieces being arranged for setting up commutation voltages in the armature windings, commutators cooperating with said alternating cur-



rent circuits to separately commutate the voltages in the alternating current circuits and to compose the same into a substantially constant unidirectional voltage, said commutators being provided with brushes arranged to periodically short circuit the alternating current circuits during finite intervals of time which form a relatively great part of the half period.

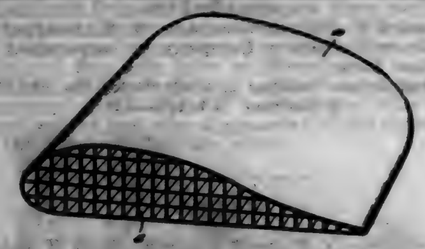
2,029,213
HONEYCOMB CONSTRUCTION FOR AIRCRAFT
Harry N. Atwood, South Lyndeboro, N. H.
Application September 14, 1934, Serial No. 744,869
2 Claims. (Cl. 244—31)



1. An aircraft comprising a body and wing assembly, the body being hollow and constructed of longitudinal tubular members disposed side by side in intimate bonding contact with each other to form walls of inner and outer tubular members, and the wing being formed entirely of superposed longitudinally disposed tubular members arranged at substantially right angles to the longitudinal tubular members of the body and bonded to each other and to the tubular members constituting the walls of said body to form a homogeneous structure.

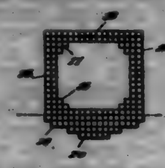
2,029,214
HONEYCOMB WING CONSTRUCTION FOR AIRPLANES
Harry N. Atwood, South Lyndeboro, N. H.
Application September 14, 1934, Serial No. 744,870
2 Claims. (Cl. 244—31)

1. An air foil formed entirely of preformed tubular members arranged in superposed layers, each layer comprising a plurality of individual tubes having bonding contact with each other



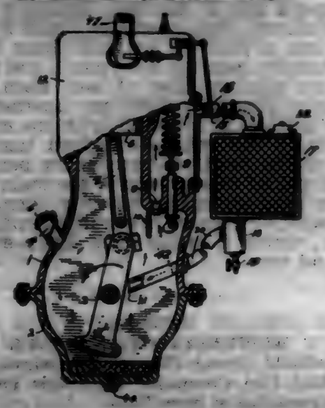
and with the tubular members of adjacent layers, and a covering for the air foil.

2,029,215
CELLULAR CONSTRUCTION FOR AIRCRAFT PONTOONS
Harry N. Atwood, South Lyndeboro, N. H.
Application September 14, 1934, Serial No. 744,871
4 Claims. (Cl. 114—66.5)



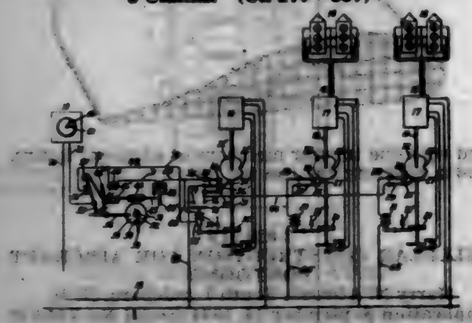
1. A pontoon for hydro-airplanes comprising a hollow structural unit formed of laminated tubular members straight throughout their lengths and disposed side by side in superposed layers and intimately bonded together to form reinforced top, bottom and side walls, and auxiliary tubular members disposed within the hollow structure at the intersection of adjacent walls and bonded to said adjacent walls.

2,029,216
CRANK CASE VENTILATION
George A. Barker, Rochester, N. Y.
Application November 15, 1934, Serial No. 753,235
15 Claims. (Cl. 123—171)



1. In an internal combustion engine having a rotatable crankshaft, the combination of a crankcase for containing lubricant; and conduit means for delivering a portion of the air and oil vapors from the high pressure area of the crankcase to the low pressure area thereof, said means including means for cooling the delivered vapors.

2,029,217
TRAFFIC SIGNALING SYSTEM AND APPARATUS
Howard H. Bell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 1, 1932, Serial No. 635,776
5 Claims. (Cl. 177—337)



1. In a traffic control system, the combination of a plurality of signaling units provided respectively with a series of corresponding signals, means located in each unit for continuously operating said signals in a predetermined sequence, means for synchronizing said units including means for periodically stopping the operating means for each unit, means for restarting each unit only when said units are in synchronism, and means for delaying the operation of the restarting means for a predetermined period of time at preselected ones of said restarting operations.

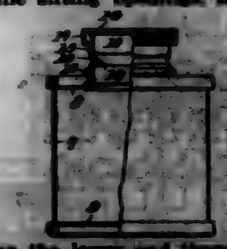
2,029,218
ANTIFROST GLASS
John F. Bielit, Milwaukee, Wis.
Application March 13, 1934, Serial No. 715,129
1 Claim. (Cl. 20—40.5)



A vehicle windshield having a main panel of glass and a pair of secondary panels of glass attached thereto, said secondary panels being similar to one another in size and shape but being much smaller than the main panel, and being disposed on opposite sides of said main panel in horizontal alinement with one another, and in proper position to cooperate with the eyes of an operator of the vehicle to afford unobstructed vision of the road, said secondary panels being held in spaced relationship to the main panel, to provide dead air spaces between them and the main panel, by a border of a transparent inorganic cement, which is stable even when exposed to light and heat.

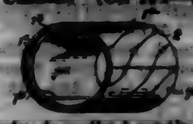
2,029,219
DISPENSING CONTAINER
Eli Bourland, Jersey City, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 19, 1935, Serial No. 11,846
1 Claim. (Cl. 221—64)

A dispensing container comprising a body portion having ends joined thereto, one of said ends having a reduced neck portion having an integral closure end in which are formed sifter openings and a pouring opening, said neck intermediate its ends having a groove which surrounds the same, a cap for said neck having a closure end and a depending skirt, said closure end being shaped so as to contact with the integral end of said neck for closing the sifting openings and the pouring opening therein, said closure end of the cap having an opening therethrough adapted to be brought into register with the pouring opening and the sifting openings, the skirt of said



cap having the lower end thereof rolled into a bead and the upper portion of the skirt adjacent the closure end shaped to provide an annular projecting portion which is knurled for the turning of the cap, said skirt intermediate said knurled projecting portion and said bead having an inwardly extending circular rib adapted to fit within the groove in the neck portion, said rib and groove being so disposed that the end of the closure is held in close contact with the end of the neck.

2,029,220
METHOD OF MAKING DESIGN PRINTING CYLINDERS
Werthen E. Brown, Brunswick, Maine, assignor to Pejepscot Paper Company, Brunswick, Maine, a corporation of Maine
Application November 18, 1931, Serial No. 575,886
7 Claims. (Cl. 101—401.1)



1. The herein described method of making design printing cylinders; consisting in forming a curved segment having on its exterior surface the design or a section of the design, assembling a plurality of such segments edgewise in a circle, melting the interior portions of the abutting edges of the assembled segments to unite them in a ring, and placing such ring on a supporting roll.

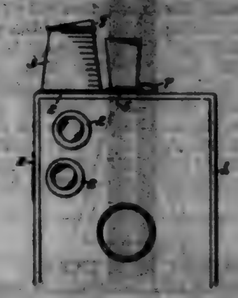
2,029,221
ILLUMINATED DISPLAY APPARATUS
Jackson Burgess and Howard W. Garbe, Freeport, Ill., assignors to O. F. Burgess Laboratories, Inc., Madison, Wis., a corporation of Delaware
Application June 4, 1934, Serial No. 729,235
7 Claims. (Cl. 40—132)



1. In an illuminated display apparatus, a case having a transparent front wall, a source of il-

lumination within said case, reflecting means for distributing the light from said source substantially uniformly upon said front wall, a portion of said wall having a substantially permanent transparent cover thereupon, and a second portion of said wall having a removable transparent cover thereupon, and thin sign members held in place by pressure between said wall and said covers respectively, said sign members comprising relatively translucent and opaque portions to form distinguishable characters.

2,029,222
CAMERA ATTACHMENT
John Cree, Calster Centre, Ontario, and John William Horn, Hamilton, Ontario, Canada
Application August 6, 1934, Serial No. 738,754
1 Claim. (Cl. 88—1.5)



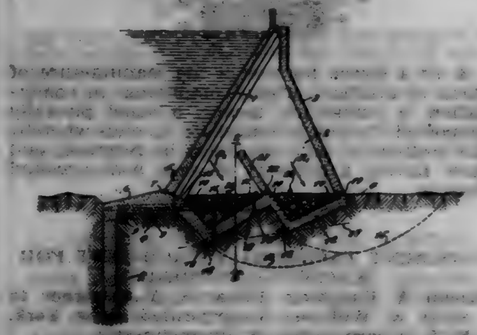
In combination with a camera having spaced view finders, a truncated body provided with openings in opposite ends and adapted to be positioned over any one of said finders with the openings in alignment with the finders, integrally connected and angularly related flanges formed on one end of the body and extending about three sides of one of the openings of the body, an ear formed on the body to provide a finger piece, and a flexible element connecting said ear to the camera, and of a length to permit the body being positioned over any one of the view finders.

2,029,223
FEEDING MECHANISM FOR ROCK DRILLS
John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application February 2, 1933, Serial No. 654,899
6 Claims. (Cl. 121—6)



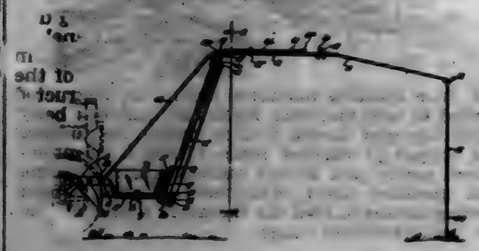
1. In a rock drilling apparatus, a support having a drilling motor slidably guided thereon, a feeding mechanism for said motor comprising a tube having a fluid actuated member reciprocable therein, said member having a duality of heads in fluid tight engagement with the inner wall of said tube, a stationary partition between said heads having a rod slidable therethrough uniting said heads, passages for admitting motive fluid into said tube adjacent said partition for actuating said member, a flexible draft element connecting said member to said motor, said element being fastened to said tube and said motor while engaging said member for movement relative thereto during the normal reciprocation of the latter, and openings through said tube through which said element is free to pass from the interior to the exterior of said tube, the position of said openings being such that the motive fluid admitted into said tube is prevented to escape through said openings due to the fluid tight engagement of the heads of said member with the inner wall of said tube irrespective of the position of the former within the latter.

2,029,224
DAM
Calvin V. Davis, Mount Vernon, N. Y., assignor to Amberson Construction Company, Inc., New York, N. Y., a corporation of New York
Application February 25, 1935, Serial No. 712,868
2 Claims. (Cl. 61—35)



1. A dam comprising an inclined up-stream water-bearing deck supported by a plurality of spaced buttresses extending downstream therefrom, and masonry foundations for said buttresses extending transversely thereof, said foundations having one or more steps, with the up-stream edge of a step disposed lower than the down-stream edge thereof.

2,029,225
INSECT DESTROYER
Oscar K. Ekre, Perks, Mont.
Application March 7, 1935, Serial No. 9,732
8 Claims. (Cl. 43—132)



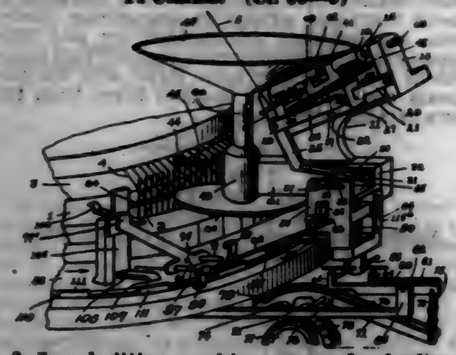
1. In a device of the kind described, brackets adapted for mounting on a vehicle, an elongated rectangular open frame adjustably supported by the brackets crosswise to the line of travel of the vehicle, the said frame being inclined forwardly and upwardly, electrically charged wires strung in spaced parallel relation in the frame and insulated therefrom, an agitator assembly supported forwardly of the frame, open rectangular end panels hinged to the ends of the frame, and electrically charged wires strung in these end panels and connected to the wires in the frame.

2,029,226
APPARATUS FOR THE MANUFACTURE OF ARTIFICIAL SILK
Rudolf Ehrhorn, Oberbruch, Germany, assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application March 15, 1932, Serial No. 599,051
In Germany March 27, 1931
9 Claims. (Cl. 242—130)



8. In a device for use in the manufacture of yarns of artificial origin, comprising, in combination, a supporting means, a spool pivotally supported thereby intermediate its ends whereby the position of said spool may be reversed, said spool having a plurality of yarn bodies wound thereon.

2,029,227
GARMENT TAPERING ATTACHMENT FOR KNITTING MACHINES
Joseph A. Firsching, Utica, N. Y., assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts
Application April 4, 1934, Serial No. 718,958
14 Claims. (Cl. 66—9)



9. In a knitting machine, means for feeding a thread to said machine, means for automatically adjusting said thread feeding means for feeding the thread at varying rates within a predetermined range and means automatically stopping said machine upon adjustment of said thread feeding means to feed the thread at a rate outside the predetermined range.

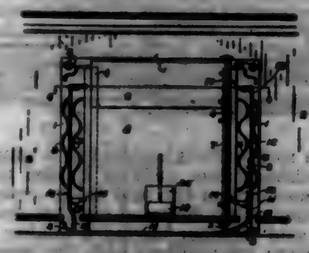
2,029,228
EYE TESTING AND RECORDING APPARATUS
Belford Garrison, Cape May Court House, N. J.
Application May 1, 1935, Serial No. 19,228
3 Claims. (Cl. 88—22)

1. An eye testing and recording apparatus, a set of independent, vertically, selectively movable parallel carriers, a set of spaced edgewise superposed holders mounted upon one of the carriers for supporting minus testing lenses of different power for selective position before an eye being tested, a set of spaced edgewise superposed holders mounted upon another one of the carriers for supporting plus testing lenses of different power for selective position before an eye being tested, a set of spaced edgewise superposed holders mounted upon the other of said carriers for supporting axis testing lenses of different power for selective position before an eye being tested, said sets of holders being disposed in parallel paths, means for independently shifting each of said carriers, a stationary eye testing board provided with an eye opening and boxes adapted to



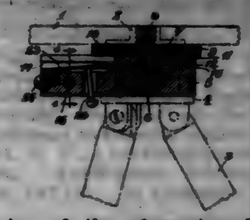
receive removable axis indicia cards, each of said carriers provided with spaced means adapted to receive normally concealed removable cards carrying indicia for designating the power of the lenses supported by the set of holders mounted thereon, said board being formed with spaced card selecting means leading from that axis lens positioned at said opening to said boxes, and said board being provided with means for exposing cards in the carriers, on the completion of the test, to associate with a selected card in a box of the board to provide a lens prescription.

2,029,229
GRAIN DOOR AND ASSOCIATED MECHANISM
George Gerlip, Neepawa, Manitoba, Canada
Application August 21, 1934, Serial No. 741,892
In Canada November 8, 1933
4 Claims. (Cl. 20—27)



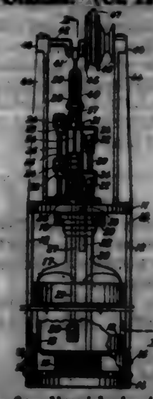
1. Improvements in grain doors on cars and associated mechanism for sealing and unsealing same comprising in combination with a swingable grain door a separable slidable sealing panel on each side of said door and lever and link mechanism extending between said panels for synchronously sliding said panels towards or away from each other.

2,029,230
DETACHABLE CAMERA TRIPOD HEAD
Perry Rehrer Getz, New York, N. Y.
Application August 14, 1934, Serial No. 739,825
7 Claims. (Cl. 248—187)



2. A device of the character described, including a fitting adapted to be connected with a camera, said fitting having a flange, a base adapted to be carried by a tripod, said base having a groove for receiving said flange, a flat spring carried by said base and projecting normally into the path of movement of the flange as it enters said base, said spring being depressed as the flange enters the base, and after the flange has completely entered the base said spring being adapted to be expanded and presenting an abutment against removal, and screw means acting on the base to cause the base to pinch said flange and prevent independent rotation thereof.

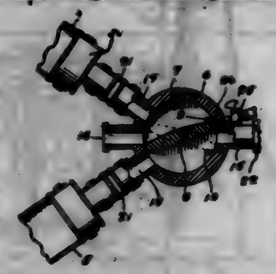
2,029,231
SAMPLING DEVICE
Augustus W. Gleason and Ernest L. Meyer, El Segundo, Calif.
Application October 29, 1934, Serial No. 750,558
10 Claims. (Cl. 137—18)



1. A sampler for liquids in tanks, comprising a frame, a receptacle, means for securing said receptacle in said frame, a pump on said frame adapted to discharge liquid into said receptacle, and flexible suspension means controlled from the top of said tank for actuating said pump.

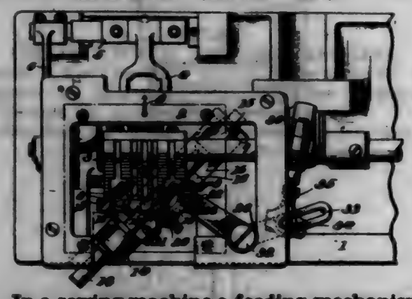
2,029,232
REVERSIBLE FLUSHER FOR CLEANING AUTOMOBILE WATER COOLING SYSTEMS
Frank W. Green, Oshkosh, Wis.
Application October 9, 1934, Serial No. 747,868
1 Claim. (Cl. 251—104)

A flusher comprising a casing, oppositely arranged inlet and outlet nipples in communication with the interior of the casing and said inlet nipple adapted to be connected to a water pressure system, nipples in communication with said casing and arranged at opposite sides of the outlet nipple and adapted for connection to a device to be flushed, a valve operating in said casing and movable to two positions for directing water alternatingly through the last-named nipples while permitting water from said device to discharge from the casing by way of said discharge nipple, stops in said casing for limiting the movement of



the valve, said casing having a port adjacent the inlet nipple closed by the valve when in one of its positions and open to the casing and one of said nipples at the side of the outlet nipple when the valve is in the other position, and a fitting connected in said port to enable an air pressure system to be connected to the interior of the casing.

2,029,233
LOOPER MECHANISM FOR SEWING MACHINES
Hans Hackländer, Tinley Park, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application November 20, 1933, Serial No. 698,891
10 Claims. (Cl. 112—199)

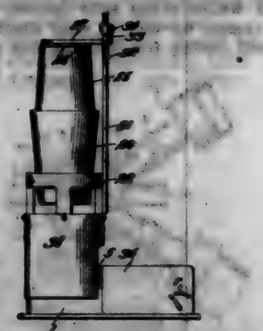


1. In a sewing machine a feeding mechanism, a needle, a thread carrying looper, a carrier for said looper, a support for said carrier mounted for reciprocation in a line at an acute angle to the line of feed and means for reciprocating said support including an actuated member connected to said support, an actuating member, means whereby said actuating member and said actuated member may be connected and disconnected by a lateral movement of one relative to the other and yielding means for normally holding said members connected.

2,029,234
BEVERAGE MIXING DEVICE
Maximilian J. Helmen, Springfield, Mass.
Application April 6, 1934, Serial No. 718,525
2 Claims. (Cl. 259—91)

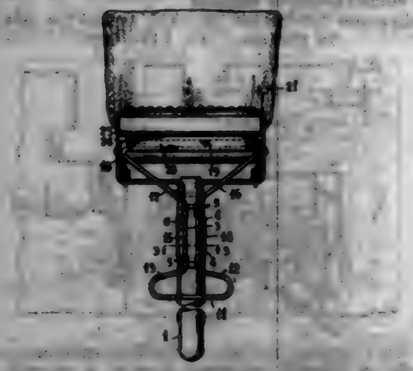
1. A mixing device of the character described, comprising a base member having a vertical bracket, guide studs on the bracket, a container carrier member formed with guideway slots fitted to the studs, an operating shaft journalled in the

bracket, an actuating cam rotatively keyed on the shaft with an elongated slot allowing of limited free movement and positioned to engage the carrier, spring supporting means for the carrier connected to the carrier and bracket respectively, a



container holder on the carrier adapted to receive a lower receptacle, a vertical rack on the carrier, an upper holder adjustably fitted to the rack for engagement with an upper receptacle and a lever on the operating shaft for manual rotation thereof.

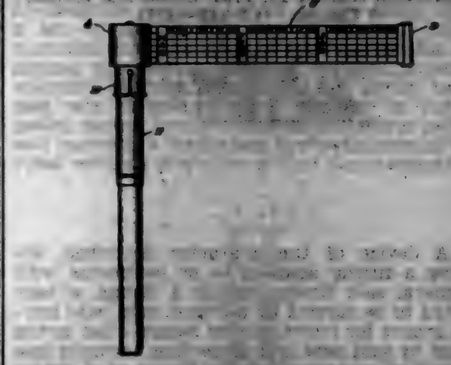
2,029,215
MOP
Thomas M. Jenkins, Los Angeles, Calif., assignor to Claude G. Watson, Oakland, Calif.
Application February 4, 1935, Serial No. 4,954
7 Claims. (Cl. 15—119)



1. An improvement in wringer mops comprising, an elongated mop handle, strips mounted on the mop handle opposite each other, ribs on each longitudinal edge of the strips, slides with grooves formed therein adapted to engage over the ribs, and mop swab fasteners carried by the slides to hold a mop swab.

2,029,236
COMBINATION PEN AND CALENDAR
Werner Klephaus, New York, N. Y.
Application April 24, 1934, Serial No. 722,175
1 Claim. (Cl. 40—102)

A device of the character described, comprising a cylindrical casing (6) for a tape (8), said casing including a top and a bottom, a hollow spindle (5) journalled in said top and bottom of the mentioned casing, a torsional spring (9) within said casing, one end of said spring being attached to the bottom of the casing and the other end to said spindle, a tape (8) spirally wound around the spindle and having one end secured thereto, said spring being adapted to wind up said tape within the casing, and a slot-

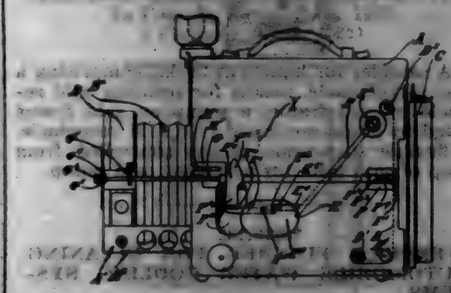


ted ferrule (10) extending centrally from the bottom of the casing and of smaller diameter than said casing.

2,029,237
PRODUCING VAT DYESTUFFS OF THE DIBENZANTHRONE SERIES
Karl Koeberle, Ludwigshafen-on-the-Rhine, Hugo Wolff, Mannheim, and Emil Krauch, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 24, 1934, Serial No. 736,774. In Germany August 6, 1933
4 Claims. (Cl. 260—41)

1. Nitrodibenzanthrones containing between about 4.5 and about 6.5 per cent of nitrogen forming crystalline violet powders dissolving in concentrated sulphuric acid giving a blue coloration dyeing from a blue vat vegetable fibres green shades which by aftertreatment with hypochlorite become grey to black.

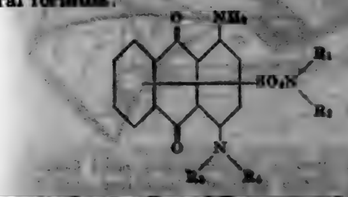
2,029,238
CAMERA MECHANISM
Terkel Kerling, Chicago, Ill., assignor to The Felmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application June 14, 1933, Serial No. 675,653
22 Claims. (Cl. 95—42)



1. In a photographic device comprising a light-tight receptacle, means for receiving a piece of photo-sensitive material, said receptacle having a light beam admitting opening opposite said photo-sensitive material, and a light obstructing device between said opening and said sensitive material, means for automatically and successively reducing the cross sectional area of a light beam passing through said opening, for removing said obstructing device from the path of said beam; for increasing the illumination of the object and finally for obstructing said light beam.

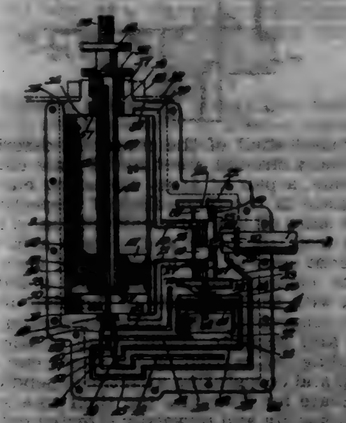
2,029,239
ANTHRAQUINONE DERIVATIVES
Georg Krämlein, Frankfort-on-the-Main, Hans Schlichenmaier, Kelkheim in Taunus, and Ludwig Schörnig, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 16, 1933, Serial No. 657,183. In Germany February 23, 1932
6 Claims. (Cl. 260—89)

1. The anthraquinone derivatives of the general formula:



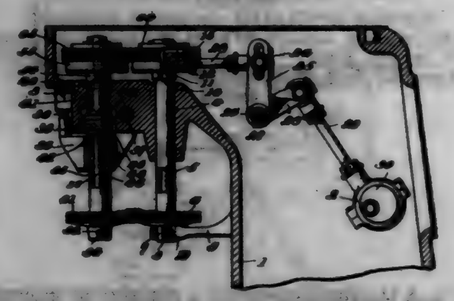
wherein R_1, R_2, R_3 and R_4 represent hydrogen or aliphatic, alicyclic, aromatic or aliphatic-aromatic radicals, which compounds are well crystallizing, intensely colored products, dissolving in concentrated sulfuric acid mostly with a blue to blue-green color and yielding with alkaline hydrosulfite a red-brown vat.

2,029,240
FLUID PRESSURE MOTOR
George Kuba, Takoma Park, Md.
Application October 4, 1932, Serial No. 634,216
7 Claims. (Cl. 121—127)



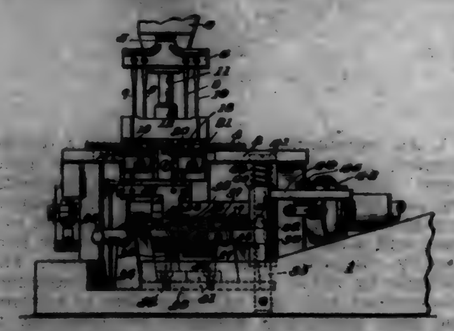
1. In a fluid pressure motor, a casing comprising complemental parts defining conformity power and control chambers and fluid passages operatively connecting said chambers, the arrangement being such that the passages do not cross each other and that each of said parts and the portions of the chambers and passages therein are enabled to be formed completely in a single die casting operation, tubular liners for said chambers clamped between said parts, and means engaging the liners to hold them positively against axial displacement.

2,029,241
FEEDING MECHANISM FOR SEWING MACHINES
Harold J. Le Vesconte, Western Springs, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application September 21, 1933, Serial No. 690,487
8 Claims. (Cl. 112—18)



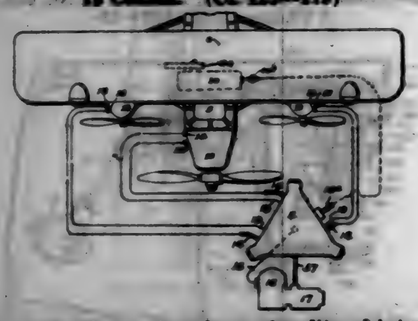
2. A feeding mechanism for sewing machines including cooperating rotating feed wheels, feed shafts for imparting movements to said feed wheels, means whereby rotations imparted to one shaft are positively imparted to the other, an actuating clutch mechanism attached to one of said shafts for imparting feeding movements to said shafts, and a restraining clutch mechanism attached to the other shaft for preventing retrograde movements in either shaft, one of said shafts for operating the feed wheels being formed in sections with a universal connection between said sections whereby to permit relative movement of said feed wheels toward and away from each other.

2,029,242
CHAIN STITCH SEWING MACHINE
Harold J. Le Vesconte, Western Springs, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application November 6, 1933, Serial No. 696,389
10 Claims. (Cl. 112—199)



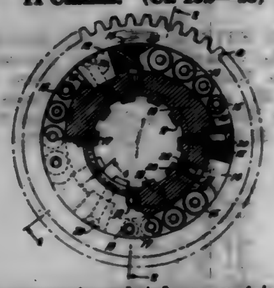
1. In a sewing machine, the combination of a needle, a feeding mechanism for feeding the material, a thread carrying looper cooperating with said needle, means for supporting and moving said looper back and forth in a single plane, said supporting and moving means being disposed so that the looper eye moves from a position in rear of the needle and at one side of a vertical plane containing the needle and parallel to the line of feed to a position in front of the needle and at the other side of said plane as it enters the needle thread loop, said looper penetrating said vertical plane in front of the path of the needle.

2,029,243
ENGINE STARTING MECHANISM
Francis Linder, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application April 24, 1930, Serial No. 447,821
19 Claims. (Cl. 123—179)



1. A starting system for a plurality of internal combustion engines comprising a fluid actuated starter for each engine, a main magneto for each engine, a single source of actuating fluid, a single source of starting ignition current, and means for selectively connecting both of said sources to the starter and magneto, respectively, of any selected one of said engines.

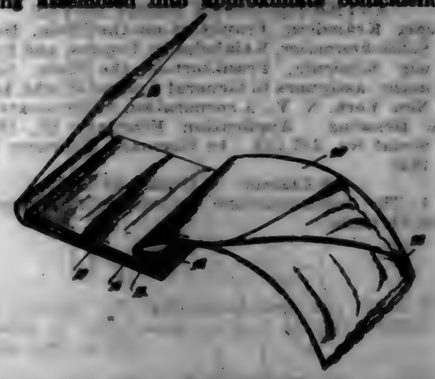
2,029,244
DRIVING MECHANISM
Francis Linder, East Orange, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application November 26, 1932, Serial No. 644,497
11 Claims. (Cl. 192—45)



1. An overrunning clutch comprising a driving member, a driven member, a roller cage interposed therebetween and concentric therewith, and capable of only limited angular play relative to said driven member, rollers journalled in said cage, and a radially movable pilot member frictionally engaging said driving member, and shiftable by virtue of said frictional engagement into contact with one of said rollers to advance said cage through a sufficient arc relatively to said driven member to carry all said rollers into position to transmit torque from said driving member to said driven member.

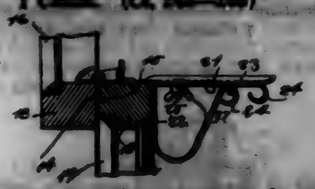
2,029,245
TISSUE PACKET
James B. Lyon, New York, N. Y., assignor of one-tenth to George H. Covey, Bayside, and nine-tenths to Margaret H. Lyon, New York, N. Y.
Application August 29, 1932, Serial No. 629,625
4 Claims. (Cl. 206—57)

1. A tissue paper packet comprising an assembly of sheets of thin tissue paper having a soft texture and adapted to be used for removing cleansing cream and for like purposes about the person, said assembly comprising a plurality of contiguous superimposed units each individually folded upon itself in the same direction into leaves of unequal length, the inner faces of which are in contact, the edges of the longer portions being assembled into approximate coincidence,



and binding means for securing said coincident edges of the longer portions together, leaving the edges of the shorter portions free, and wherein when the assembly is flexed the individual units are separated at their free fold ends, thereby permitting them to be grasped by the fingers for ready removal of the top unit without disturbing the other units.

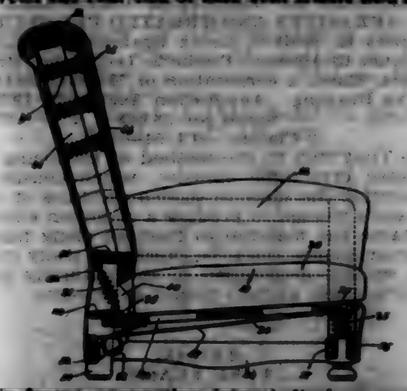
2,029,246
PLANT SHELF FOR WINDOW MOUNTINGS
John H. McCarroll, Des Moines, Iowa
Application March 28, 1934, Serial No. 718,851
1 Claim. (Cl. 248—239)



In a plant shelf of the character described, a substantially circular sheet metal plate cut-away at one side, a pair of arms projecting outwardly of the plate in the plane thereof respectively at opposite sides of the cut-away portion, a leg depending from the outer end of each arm with a return bent spur at the lower end of each leg, a one-piece clamp member including a flat strip engaged with the underside of the plate and adjustably secured thereto between the cut-away portion and opposite curved edge of the plate, a depending leg carried by the inner end of the flat strip and cooperating with the depending legs on the plate for clamping the shelf to a support and a forwardly and upwardly directed extension on the lower end of the depending leg and attached at its upper end to the under side of the strip adjacent the outer end thereof to support the plate in a horizontal position.

2,029,247
SPRING SEAT
Jerry Moroseglaire, Brooklyn, N. Y.
Application October 26, 1932, Serial No. 639,147
3 Claims. (Cl. 155—59)

4. In a chair or like article of furniture comprising a frame having front and rear leg members, a cross member extending between said front leg members, and a rear cross member extending between said rear leg members, a seat frame resiliently mounted both at the front and rear, with respect to said cross members, a vertical sliding slot and tongue interlocking connection between the rear end of said seat frame and said



chair frame, preventing lateral displacement of said seat frame, while allowing unhampered angular displacement thereof in a vertical plane about an axis substantially coinciding with the front end of said seat frame, and a strip member attached under the front of said seat frame and anchored to the rear of said chair frame preventing forward displacement of said seat frame.

2,029,248
PRESERVATION OF ANIMAL TISSUES
Sidney Blumer, New York, N. Y.
No Drawing. Application July 16, 1935, Serial No. 31,653
10 Claims. (Cl. 99—189)

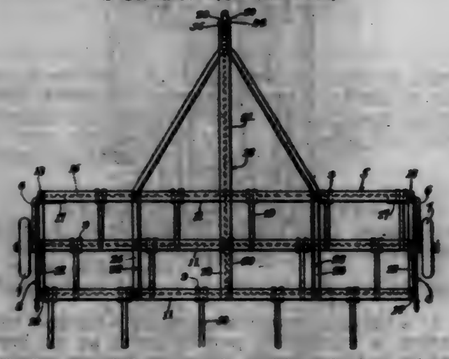
1. A method of protecting an animal product subject to oxidative change against deterioration which comprises the dusting of a mixture of 50% salt and 50% of a vegetative antioxidative substance including cereal flour upon the surface of such animal product.

2,029,249
MOBILE GROUND WORKING DEVICE
Iscuo H. Neoll and Fred W. Hosmo, Hooker, Okla.
Application June 1, 1935, Serial No. 24,553
1 Claim. (Cl. 97—133.1)



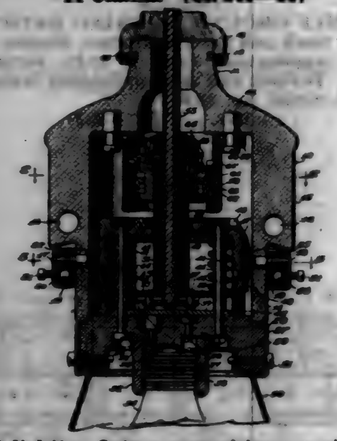
In a ground working device, a mobile I-beam, a resilient beam having a horizontally disposed part and a part depending from the rear end of the horizontally disposed part for carrying a ground working tool, said horizontal part extending rearwardly from said I-beam and having a portion thereof positioned transversely of the bottom of the I-beam, a base member arranged against the lower face of the said portion and being formed with a vertically disposed opening having a threaded wall, oppositely disposed upstanding clamping means at the front and rear of said base member and overlapping the lengthwise edges of the base flanges of said I-beam, and adjustable means threadedly engaging with the wall of said opening, abutting said portion and coacting with said clamping means for clamping said horizontal part against the bottom flanges of the I-beam, the said clamping means at the front and at the rear of said base member being in the form of a pair of spaced parallel curved arms of like form, the inner side edges of the arms of each pair abutting the lengthwise edges of said horizontal part.

2,029,250
MOBILE GROUND WORKING DEVICE
Iscuo H. Neoll and Fred W. Hosmo, Hooker, Okla.
Original application June 1, 1935, Serial No. 24,553. Divided and this application September 3, 1935, Serial No. 39,653
2 Claims. (Cl. 97—233)



1. In a mobile ground working device a horizontally disposed skeleton body for supporting upon its top a forwardly extending draw-bar and for suspending from its bottom couplers for ground working tools, said body being formed of a set of spaced parallel I-beams arranged in tandemwise relation, a pair of oppositely disposed inwardly opening channel irons overlapping the ends of said beams, the bottom flanges of the channel irons suspending the base flanges of said beams, the base flanges of each of said beams constituting oppositely disposed means for suspending means for coupling therewith ground working tools, spaced pairs of holdfast devices extending through the flanges of the channel irons and the ends of the top and bottom flanges of said beams for fixedly securing the irons and beams together, a draw-bar having a straight rear stretch mounted upon and anchored to the top flanges of said beams centrally and transversely of said top flanges, said rear stretch having its ends flush with the front and rear of said body and bracing the latter, said draw-bar including a forwardly extending front stretch merging at its rear end into the forward end of said rear stretch and inclining downwardly throughout with respect to the front of said body, a pair of bracing bars having straight parallel spaced rear stretches anchored to the top flanges of said beams adjacent opposite sides of the rear stretch of the draw-bar, the rear stretches of said bracing bars having their ends flush with the front and rear of said body and constituting bracing means for the latter, said bracing bars having forwardly extending front stretches inclining downwardly with respect to the front of said body and inclining towards the front stretch of the draw-bar, the forward end terminal portions of the forward stretches of said bars being positioned against opposite sides of the front stretch of the draw-bar rearwardly of the forward end of the latter, and means for anchoring the forward end terminal portions of the front stretches of the bracing bars to opposite sides of the front stretch of the draw-bar.

2,029,251
COMBINED LAMP STRUCTURE AND HANGER
Irvin W. Nye, Bethlehem, and Herbert E. Miller, Allentown, Pa., assignors to Utilities Service Company, Inc., Allentown, Pa., a corporation of Pennsylvania
Application March 16, 1935, Serial No. 661,170
11 Claims. (Cl. 248—68)



1. A lighting fixture comprising a vertical body having a cylindrical portion open at its lower end, a bodily movable structure having portions adapted for insertion within the lower end of said body, said structure including a pair of elements relatively movable vertically with respect to each other, the lower element being provided with a lamp socket and having an upper face portion engageable with the lower end of said body, a supporting element arranged within said body and relatively rotatable with respect thereto, radial supporting pins carried by said supporting member, the upper element of said movable structure being provided with a pair of downwardly facing notches adapted to receive said pins, and spring means urging the elements of said structure toward each other.

2,029,252
GLOBE MOUNTING
John A. Pinand, Atlantic Highlands, N. J., assignor to Rand McNally & Company, New York, N. Y., a corporation of Illinois
Application January 28, 1933, Serial No. 654,836
10 Claims. (Cl. 35—46)

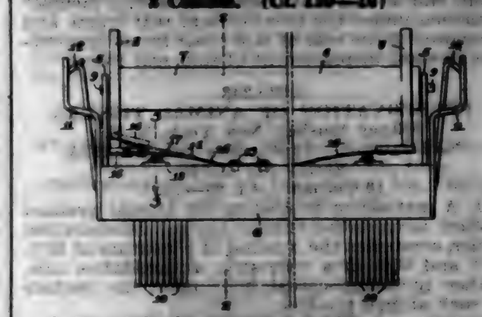


1. An improved support for a globe, comprising a supporting annulus for the said globe, and means for grippingly supporting the said annulus in a desired position, said means comprising at least three resilient members mounted in the yoke and adapted to form at least a three-point support.

2,029,253
METHOD OF TREATING CRYSTALLINE ABRASIVES AND TREATED PRODUCT
Charles R. Walker, South Braintree, Mass., assignor to Abrasive Products, Inc., South Braintree, Mass., a corporation of Massachusetts
No Drawing. Application August 26, 1933, Serial No. 686,653
9 Claims. (Cl. 51—276)

1. That step in the method of producing uncrushed crystalline abrasive, which consists in subjecting the same to sudden extremes of temperature change to produce a re-action effective to cause the material to fracture along natural cleavage planes and to be capable of ready crushing without destruction of the naturally sharp cutting edges at such planes of fracture.

2,029,254
TUBE FRAME
Eugene F. Clark, Damariscotta, Maine, assignor to Marshall Field Mills Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 19, 1934, Serial No. 726,854
2 Claims. (Cl. 130—16)



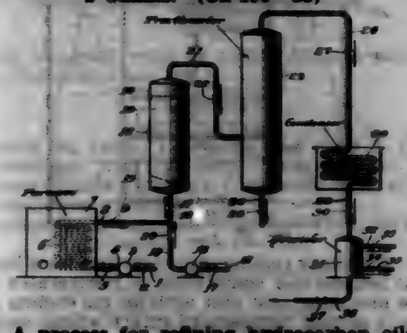
1. In a tube frame, a carrier bar provided with spool bearings and having a ring secured thereon, a spool journaled in the bearings and having an end head, a resilient brake arm extending longitudinally of the bar and having an inner end portion secured thereto and an outer free end portion provided with a part constructed to press against said head when the arm is sprung from a normal condition, and a spiral spring interposed between said arm and said bar and seated within said ring and spaced outwardly from said inner end portion and inwardly from the plane of rotation of said head and forming a fulcrum for said arm for flexing the same between its inner end and said plane when it is sprung from said normal condition.

2,029,255
METHOD OF MAKING SHANK BUTTONS
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut
Application October 22, 1932, Serial No. 639,069
1 Claim. (Cl. 79—3)



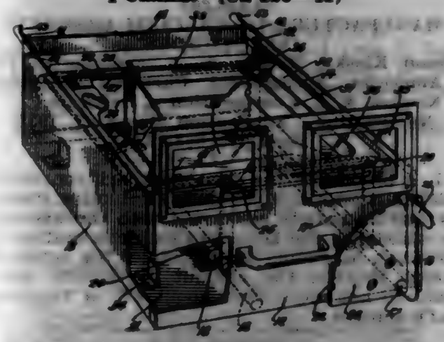
The hereindisclosed method of making a shank button, which comprises molding the button with an integral shank of relatively small diameter and having opposite recesses therein, and then after the completion of the molding operation drilling a transverse thread hole through the shank from one recess to the other.

2,029,256
TREATMENT OF HYDROCARBON OILS
Roland B. Day, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 25, 1931, Serial No. 558,726
2 Claims. (Cl. 196—25)



1. A process for refining hydrocarbon oils of approximately motor fuel boiling range which comprises treating the oil at a temperature between 200° F. and 600° F. with added aqueous hydrogen chloride in the presence of a natural zinc-bearing clay.

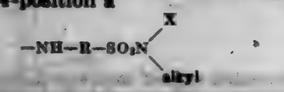
2,029,257
COOKING STOVE
Claude M. Dibble, Joliet, Ill., assignor to Moore Brothers Company, Joliet, Ill., a corporation of Illinois
Original application June 3, 1927, Serial No. 196,197. Divided and this application August 27, 1930, Serial No. 478,875. Renewed March 18, 1935
4 Claims. (Cl. 126—41)



2. In a stove, means forming a compartment open at one end, a drawer movable therein having a sight aperture at the front, a pan fitting loosely in the drawer, means operable from the front thereof for adjusting the vertical elevation of the pan in the drawer, said means comprising a pair of shafts extending longitudinally in the drawer, arms projecting from the shafts, slotted cross pieces engaging under the ends of the pan, and means projecting from the ends of the arms and engaging in the slots of the cross pieces for moving the pan in accordance with the movement of the shafts.

2,029,258
ACID DYESTUFFS OF THE ANTHRAQUINONE SERIES AND A PROCESS OF PREPARING THEM
Ernst Diefenbach, Frankfort-on-the-Main, and Erich Fischer, Bad Soden-on-the-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 5, 1935, Serial No. 14,954. In Germany April 11, 1934
11 Claims. (Cl. 260—66)

7. The anthraquinone compounds containing in 1-position a NH_2-group, in 2-position a sulfo-group and in 4-position a



group wherein X means hydrogen or a lower alkyl group, R means an aryl radical of the benzene and naphthalene series and alkyl means a lower alkyl group, at least one of the alkyl groups containing a hydroxy group.

2,029,259
CLOSURE FOR CONTAINERS
Rollin L. Drake, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 19, 1931, Serial No. 558,023
4 Claims. (Cl. 113—121)



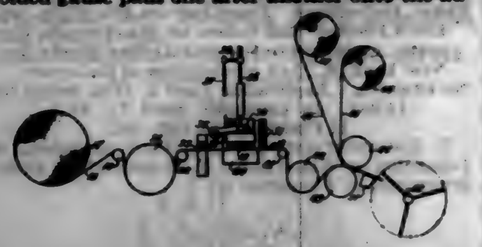
1. The method of attaching a closure element to a container which comprises, providing a body member having an opening therein and an upwardly extending annular flange about the periphery of said opening, providing a neck which may serve as a pouring outlet for the container and having adjacent its lower end an inwardly extending radial flange, said flange being turned upwardly at its inner edge, positioning the neck over the opening in the body member so that the upwardly extending flange of the neck surrounds and rests against the upwardly extending flange of the body member, exerting pressure to bend the juxtaposed flanges outwardly and continuing the application of pressure to flatten the bend against said body member to thereby form a seam attaching the neck to the body member.

3. In a container, a body member having an opening therein, an upwardly extending neck adapted to serve as a pouring outlet for the container, said neck having adjacent its lower end an inwardly extending annular flange resting upon the body member about the said opening, said flange being crimped back upon itself at its inner edge, said body member having about the said opening an upwardly and then outwardly extending flange crimped over the said neck flange to fasten the neck to the body member.

2,029,260
METHOD OF MAKING ADHESIVE TAPE AND GAUZE DRESSINGS
Warner Eustis, Newton, Mass., and Paul Walter, Chicago, Ill., assignors to The Kendall Company, Chicago, Ill., a corporation of Massachusetts
Application October 28, 1933, Serial No. 695,620
4 Claims. (Cl. 154—2)

1. The method of making adhesive tape and

gauze dressings which consists in feeding a web of adhesive-coated material past a pad-applying station, forming folded gauze pads, pressing said folded gauze pads one after another onto the ad-

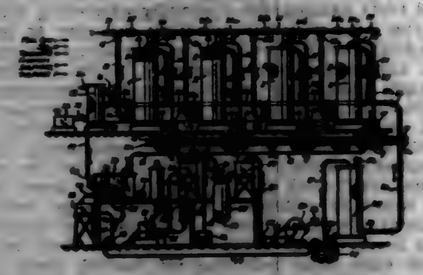


hesive-coated side of said web as the latter passes said station, and severing the web intermediate said pads to form individual tape and gauze dressings having an adhesive-coated area on all sides of the pad.

2,029,241
SOYBEAN PHOSPHATIDES
Wells W. Gunn, Cincinnati, Ohio, assignor to Chemical Novelties Corporation, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application January 26, 1935, Serial No. 4,147
9 Claims. (Cl. 260—99.26)

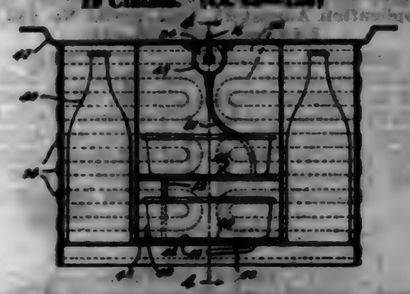
1. A new method of obtaining soybean phosphatides which comprises, hot pressing the soybean oil and separating the phosphatides from the oil by virtue of the difference of specific gravity between the oil and the phosphatides.

2,029,242
REMOVAL OF HYDROGEN SULPHIDE AND AMMONIA FROM GASES
Christian Johannes Hansen, Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa., a corporation of Delaware
Application January 25, 1932, Serial No. 589,794
In Germany January 24, 1931
2 Claims. (Cl. 23—225)
(Granted under the provisions of sec. 14, act of March 3, 1927; 357 O. G. 5)



1. In the method of removing hydrogen sulphide in combination with ammonia from gases comprising washing the gas with a thionate solution to remove hydrogen sulphide therefrom and regenerating the spent solution with sulphur dioxide in separate chambers therefor, the improvement comprising periodically discontinuing the washing of gas in the chamber in which the gas is being washed and the regeneration in the chamber in which the regeneration is being conducted and resuming the gas washing in the chamber in which the regeneration has just been discontinued and the regeneration with sulphur dioxide in the chamber in which gas washing has just been discontinued, thereby dissolving precipitated solids that may have clogged in the discontinued gas washing chamber.

2,029,263
REFRIGERATING APPARATUS
Lloyd M. Keighley, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 15, 1932, Serial No. 642,855
19 Claims. (Cl. 62—120)



1. A unitary cooling unit structure for a household refrigerator comprising, a refrigerated surface providing said unit with an air cooling portion, a second refrigerated suface within said air cooling portion of said unit providing a sharp freezing zone for receiving and supporting a receptacle adapted to contain a substance to be congealed or frozen, means interposed between said refrigerated surface of said freezing zone and the refrigerated surface of said air cooling portion of the cooling unit and forming an elongated support for the reception of a plurality of bottles to be cooled, said means also including a vertically disposed portion forming a wall between the freezing zone and the air cooling portion of the cooling unit, and means for supplying refrigerant to the refrigerated surface of said freezing zone and to the refrigerated surface of the air cooling portion of the cooling unit.

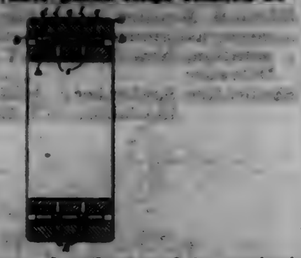
2,029,264
MANUFACTURE OF CALCIUM ARSENATE INSECTICIDES
Simon Kleeky, Roselle, N. J., assignor to The American Agricultural Chemical Company, Newark, N. J., a corporation of Delaware
No Drawing. Application March 22, 1933, Serial No. 662,063
12 Claims. (Cl. 167—13)

1. A product of the class described, containing calcium arsenate, and combined fluorine insolubly and intimately associated with the arsenate for stabilizing the latter against deterioration by liberation of soluble arsenic under the action of carbon dioxide, the amount of fluorine being equal to not more than about 4% of the total As_2O_5 content.

2,029,265
MULTIROW CYLINDRICAL ROLLER BEARING
Karl Erik Kylin, Gothberg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Gothberg, Sweden, a corporation of Sweden
Application February 7, 1935, Serial No. 5,151
In Germany May 30, 1934
3 Claims. (Cl. 308—212)

1. A multi-row cylindrical roller bearing comprising in combination, a number of rows of rollers, an inner race ring, an outer race ring formed in one piece with two inwardly directed

integral flanges adjacent its respective sides, and one or more removable guide rings located be-



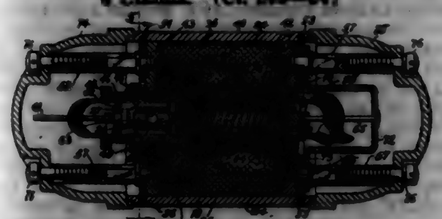
tween adjacent rows of rollers and in contact with the outer race ring.

2,029,266
REGULATOR
Bennett M. Leece, Cleveland, and Dale S. Cole, Cleveland Heights, Ohio, assignors to The Leece-Neville Company, Cleveland, Ohio, a corporation of Ohio
Application October 26, 1931, Serial No. 572,842
3 Claims. (Cl. 290—37)



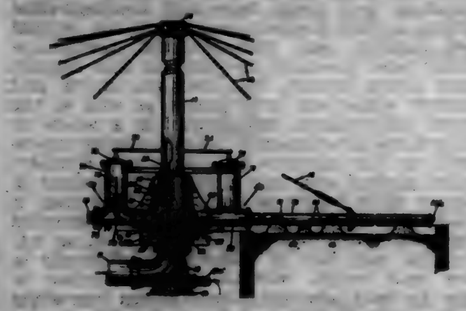
1. In an electromagnetic device of the character described the combination of a frame, a magnet winding on said frame, and a circuit control device responsive to magnetization produced by said winding, said control device comprising an elongated air tight envelope, a support wholly enclosed in said envelope and retained in place therein by engagement with the wall of the envelope at peripherally spaced areas which extend for a substantial distance along the wall of the envelope, a contact on said support, and a vibratory armature in the envelope for cooperation with said contact.

2,029,267
ELECTROMAGNETIC DEVICE
Bennett M. Leece, Cleveland, and Dale S. Cole, Cleveland Heights, Ohio, assignors to The Leece-Neville Company, Cleveland, Ohio, a corporation of Ohio
Application June 10, 1932, Serial No. 616,644
6 Claims. (Cl. 200—84)



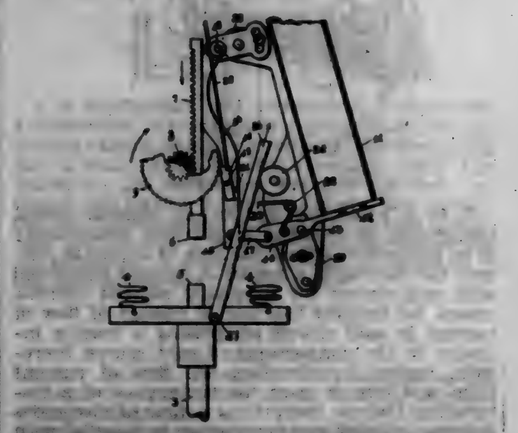
1. An electromagnetic device of the character described comprising a hollow frame element, a pair of spaced frame elements extending transversely of said hollow frame element, a magnet winding disposed in said hollow element between said spaced elements, aligned core sections extending into said winding from said spaced elements, means for relatively adjusting said sections, an envelope disposed in said sections, and a make and break device in said envelope responsive to magnetization produced by said winding.

2,029,268
LIQUID DISTRIBUTOR
Nels R. Lund, Sanford, N. Y., assignor to The Deer Company, Inc., New York, N. Y., a corporation of Delaware
Application September 3, 1931, Serial No. 561,625
13 Claims. (Cl. 299—166)



1. In a liquid distributor, a liquid conducting distributing arm having a longitudinally spaced series of discharge orifices each of any desirable shape, a distributing attachment associated with each orifice for shaping the liquid issuing therefrom into a flattened stream or spray, said attachment comprising a delivery nozzle portion having a pair of lips forming a horizontally elongated mouth, and also a body portion fitted for engagement upon said distributing arm, and means for bodily adjusting the said attachment relative to the orifice substantially in an up and down direction, by which means the delivery volume from any of the orifices can be controlled individually through optional part coverage of the orifice by said nozzle body portion whereby a desirable general shape of the spray is maintained under various operating conditions as the discharging liquid traverses the supporting top surface of the lower lip portion.

2,029,269
COIN CONTROL FOR SCALES
William R. McDonald, Los Angeles, Calif., assignor to L. H. Stark, Los Angeles, Calif.
Application August 5, 1935, Serial No. 34,706
2 Claims. (Cl. 194—47)



1. In a weighing device, a coin chute, a weight ascertaining mechanism including a gear pinion and a ratchet wheel securely combined for rotation around a common axis, a coin trap pivotally

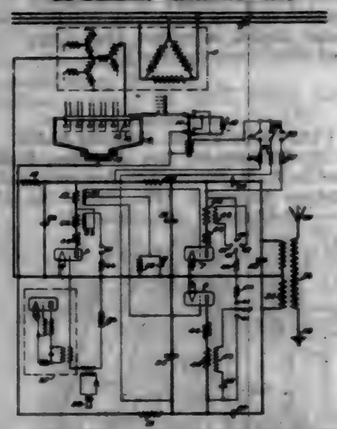
mounted with respect to the chute to be actuated by a coin passing through the chute, a counterweight portion on the coin trap extending beyond the pivot mounting for returning the coin trap to and normally maintaining it in inoperative position, a ratchet pawl support pivotally suspended at one end and with the other end extending to a point near said counterweight portion, a link member connecting the ratchet pawl support and counterweight portion, a ratchet pawl pivotally mounted on said support under spring tension that normally allows said sprocket wheel and gear pinion as well as the weight ascertaining mechanism as a whole to rotate in one direction only, locking against movements in the opposite direction, said counterweight portion and link member functioning in manner of a toggle to fold when the trap is actuated by a coin so as to swing the connected suspended ratchet pawl support to such an extent that said pawl is withdrawn sufficiently to allow said weight ascertaining mechanism to move in said opposite direction, an operating member mounted for rotation subject to movements of a cooperatively connected weighing device, and a spring member with one end secured to the coin trap and with the other end disposed to become engaged with said operating member when the coin trap is actuated.

2,029,270

ELECTRIC VALVE PROTECTIVE SYSTEM

Franz Meriens, Mannheim, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland

Application March 14, 1935, Serial No. 10,984
In Germany November 11, 1933
11 Claims. (Cl. 250—27)



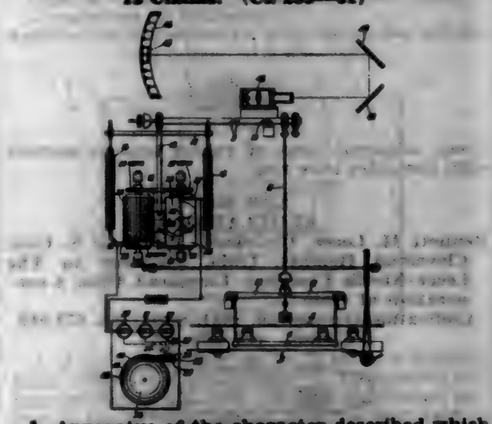
2. In a protective system, an electric circuit comprising an element of variable conductivity to be protected against the flow of excessive current therethrough, a source of current connected with said circuit for supplying current thereto, means for limiting the rate of change of flow of current in said circuit comprising a reactor included in the connections of said source therewith, means for diverting the flow of current from said circuit upon the occurrence of a disturbance therein comprising a pair of electrodes defining a spark gap connection in parallel with said circuit, and means operable responsive to the magnitude of the rate of increase of flow of current in said circuit to cause breakdown of said spark gap.

2,029,271

CONVEYER WEIGHING APPARATUS

Edwin H. Messiter, Jersey City, N. J., assignor, by mesne assignments, to Chatillon-Schaefer Corporation, New York, N. Y., a corporation of Delaware

Application September 1, 1928, Serial No. 303,481
15 Claims. (Cl. 235—61)



1. Apparatus of the character described which comprises an element having a conducting surface of variable width forming a portion of an electric circuit, a contact element adapted to periodically engage said surface to close said circuit, means for shifting said surface relative to said contact, means for intermittently forcing said contact into engagement with said surface, said last two recited means being operated out of synchronism, integrating means in said electric circuit operated by said engagements, and means operated in accordance with a function to be integrated for shifting said contact relative to said surface in a direction transverse to said first mentioned relative movement so as to vary the number of contacts made with said surface during a given time interval.

2,029,272

DELAYED CONTROL TIME LOCK

William C. Miller, Canton, Ohio, assignor to Diebold Safe & Lock Co., Canton, Ohio, a corporation of Ohio

Application September 4, 1934, Serial No. 743,857
14 Claims. (Cl. 70—36)



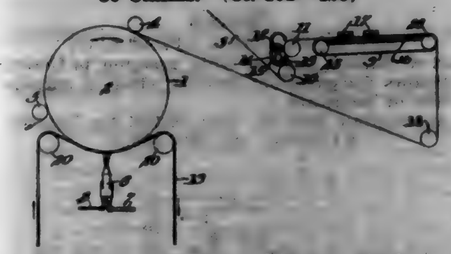
3. In combination: a combination lock including a closure-locking bolt; clock-mechanism equipped with an auxiliary locking-device for preventing retraction of said bolt; a winding-gear journaled on the frame of the clock-mechanism and equipped with a winding disk carrying a winding-pawl; a stud on said gear adapted to be actuated by said pawl in the winding operation; and means carried by the combination lock-mechanism serving to actuate said winding disk during the manipulation of the dial to bring the combination to the unlocking position.

2,029,273

PROCESS OF COATING PAPER

William J. Montgomery and Donald E. Bradner, Hamilton, Ohio, assignors to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio

Application January 25, 1929, Serial No. 335,016
30 Claims. (Cl. 101—426)



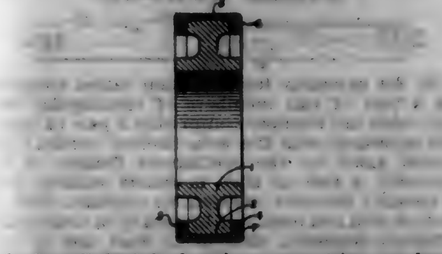
1. In the manufacture of paper which is at least partially covered with coating having a cast surface, the hereindescribed process which comprises depositing a fluid aqueous coating upon a hard non-adhering finishing surface, cementing paper to said coating, separating the paper together with the coating from said finishing surface, and hardening the coating to a non-plastic cast condition on said finishing surface prior to the separation thereof.

2,029,274

RADIAL PLAIN BEARING

Nils Arvid Palmgren, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden

Application December 7, 1934, Serial No. 756,541
In Sweden January 30, 1934
4 Claims. (Cl. 308—72)



1. A radial plain bearing comprising an inner bearing ring having a spherical unbroken sliding surface on its outer periphery and an outer bearing ring having a spherical unbroken sliding surface fitting the inner bearing ring, the outer ring being of greater width than the width of the inner ring, there being recesses formed in the inner periphery of the outer bearing ring extending inwardly from the side face of the ring for facilitating the insertion of the inner ring, the outer ring being thin enough to deform ovally for permitting its passage onto the inner ring, while in a position perpendicular to the latter.

2,029,275

RADIAL PLAIN BEARING FOR GREASE LUBRICATION

Nils Arvid Palmgren, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden

Application January 19, 1935, Serial No. 2,592
In Sweden November 2, 1934
4 Claims. (Cl. 308—127)

1. A radial plain bearing for grease lubrication, characterized by the combination of an outer bearing ring with an inner sliding surface, an inner bearing ring, consisting of an inner flange for mounting on a shaft and an outer flange with an external sliding surface to bear against the outer bearing ring and a web, connecting the inner and outer flanges of the inner bearing ring, lubricating channels from the inner to the outer side of the outer flange of the inner bearing ring, side plates fixed to the outer bearing ring and extending inwardly towards the bearing center and constitut-



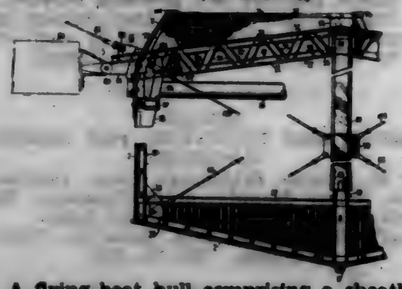
ing a seal against the inner flange of the inner bearing ring and enclosing a chamber formed by the side plates and the bearing rings, and separating discs fixed at the edges of the outer flange of the inner bearing ring and extending inwardly towards the bearing center at a radius which is greater than the smallest radius of the side plates, the said separating discs together with the outer flange of the inner bearing ring forming a chamber within the chamber formed by the side plates and the bearing rings.

2,029,276

FLYING BOAT SUSPENSION STRUCTURE

Earl J. W. Ragsdale, Norristown, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 12, 1932, Serial No. 610,782
7 Claims. (Cl. 244—2)



1. A flying-boat hull comprising a sheathing, a transverse beam including continuous top and bottom chords extending through the sheathing, and a unit fitting structure on the beam and braced to the sheathing fore and aft and vertically and having a portion outside the sheathing for mounting the hull and attaching a guy-wire thereto and a portion inside the sheathing for attaching a guy-wire thereto to brace it to the central portion of the hull.

2,029,277

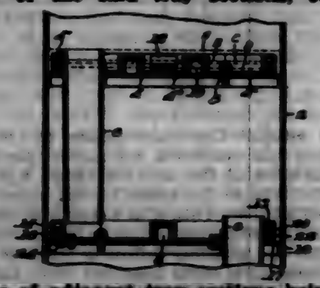
BUBBLE TRAY

Loren P. Scoville, Flushing, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application February 23, 1933, Serial No. 658,683
9 Claims. (Cl. 261—114)

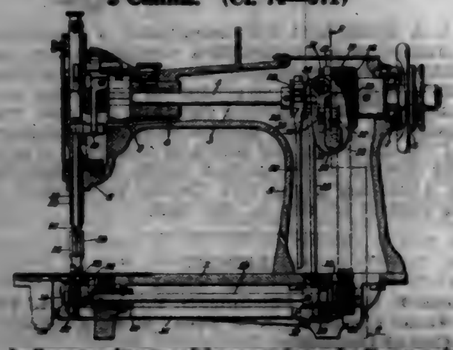
1. In a bubble tower, a supporting ring secured to the interior face of the tower and having an upwardly extending flange about the inner pe-

riphery thereof to form a liquid retaining trough, a sectional bubble tray removably supported within the tower by said trough, vapor risers and bubble caps carried by said tray, the marginal portions of said tray sections adjacent the said trough having flanges overlapping the said upwardly extending flange of the trough and then depending down into the trough in spaced relation to the upwardly extending flange and to substantially the same level as the lower ends of the said bubble caps, spaced supports between the said trough and the said overlapping flanges of the tray sections to form vapor passages therebetween, whereby an additional vapor bubble passage is formed about substantially the entire periphery of the said tray sections, contiguous



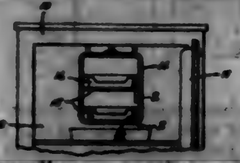
portions of adjacent tray sections being spaced from each other to form additional vapor passages, there being an upwardly extending flange on one tray section to form a liquid pool thereon and an overlapping flange on the adjacent tray section which extends downwardly in spaced relation to the said upwardly extending flange and into the said liquid pool to substantially the same level as the lower ends of the bubble caps, and spaced supports between the said upwardly extending flange and the said overhanging flange of adjacent tray sections, whereby additional vapor bubble passages are provided between the said tray sections, the said tray sections being supported substantially entirely by each other and by the said liquid retaining trough.

2,029,278
ADJUSTABLE ECCENTRIC FOR SEWING MACHINES
Jake H. Stearns, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application July 17, 1934, Serial No. 735,612
3 Claims. (Cl. 74—571)



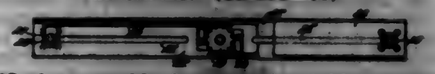
1. In a sewing machine, a rotary shaft, an actuating eccentric having an arcuate rack, means for securing said eccentric for rotation with said shaft and providing for right line adjustment of the eccentric crosswise of the shaft, an adjusting cam rotatably mounted upon said shaft, a connection between said cam and eccentric whereby relative rotation of the cam and eccentric effects adjustment of the eccentricity of the eccentric, a spring-pressed detent carried by said cam for engagement with said rack, and manually operable means for releasing said detent from said rack.

2,029,279
REFRIGERATING APPARATUS
Carl A. Stickel, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 27, 1934, Serial No. 733,622
9 Claims. (Cl. 62—108.5)



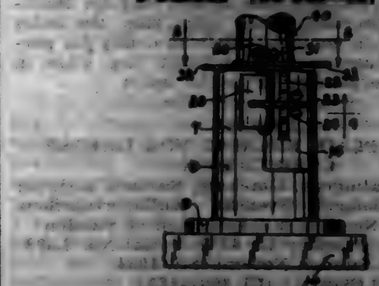
1. A refrigerating apparatus comprising in combination, a cooling element having a support for an ice tray, an ice tray positioned on said support, and means carried by said cooling element and adapted to engage said tray to release the tray from its support, said means being resiliently mounted on said cooling element and adapted to be actuated either in a downward or in an upward direction about its mounting to pry the tray loose from its support.

2,029,280
EXTENSION TABLE
William F. Kow, Winston-Salem, N. C.
Application April 21, 1935, Serial No. 17,728
22 Claims. (Cl. 311—73)



13. An assembly for extension tables comprising a pair of rail members of rectangular section, each rail member comprising a pair of channels arranged with the webs thereof vertical and spaced apart by the overlapped flanges of the channels, a pair of slide members slidably held in parallel movable relation on opposite sides of each of said rail members by means of connecting elements engaging slots in at least one of said members, said cross members rigidly positioning said rail members in spaced parallel relationship.

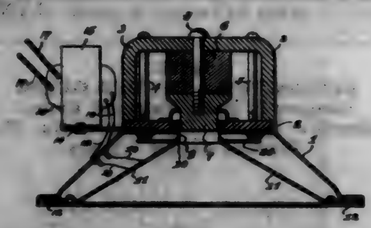
2,029,281
TREE HOLDER
Frank P. McCann, Seattle, Wash.
Application November 26, 1934, Serial No. 754,471
3 Claims. (Cl. 248—24)



3. The combination with a tree holder having a side-gate, a hinge bolt for the gate, and a fastening bolt for the free edge of the gate, of a pair of adjustable, opposed, arcuate, slotted jaws mounted on said bolts, one of said jaws having an open slot at one end and adapted to pivot at its other end on a bolt, and nuts on the bolts for clamping the jaws in engagement with a tree.

2,029,282
MAGNETIC CIRCUIT AND CONSTRUCTION THEREOF
Igor B. Sarpe, Rochester, N. Y.
Application April 13, 1935, Serial No. 16,361
7 Claims. (Cl. 179—117)

1. In a magnetic circuit for a transducer, a single relative short permanent magnet having a polar plane surface extending in a plane normal to the axis of the magnet and to the flux lines, a mild steel yoke attached to said magnet and including a mild steel pole plate having an opening therein concentric with the axis of said permanent magnet, a pole piece having a plane under surface extending normal to the axis of the pole piece and contacting with the polar plane surface of the magnet, said pole piece projecting into



said opening and cooperating therewith to define an air gap between the pole piece and pole plate, said pole piece having a substantially homogeneous structure throughout its length but different flux concentrations.

DESIGNS

JANUARY 28, 1936

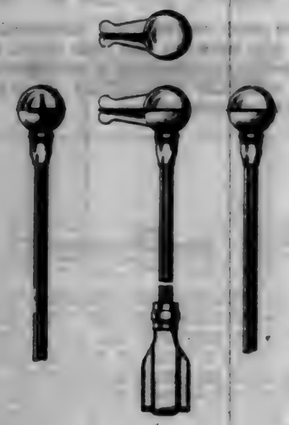
98,288

DESIGN FOR A FENDER GUIDE

Gustave F. Bahr, Fairfield, Conn.

Application June 7, 1935, Serial No. 57,187

Term of patent 7 years



The ornamental design for a fender guide, as shown.

98,289

DESIGN FOR A SHOE

Haviland D. Baldwin, Auburn, Maine

Application December 10, 1935, Serial No. 59,999

Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

98,290

DESIGN FOR A COMBINATION WEINER ROASTING APPARATUS AND DISPLAY HOUSING

Lloyd J. Bohnsman, Kansas City, Mo.

Application November 25, 1935, Serial No. 59,735

Term of patent 14 years



The ornamental design for a combination weiner roasting apparatus and display housing, as shown and described.

98,291

DESIGN FOR A SHOE

Pasquale Berda, Brooklyn, N. Y., assignor to Bancroft Walker Co., Waltham, Mass., a corporation of Massachusetts

Application December 13, 1935, Serial No. 60,055

Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

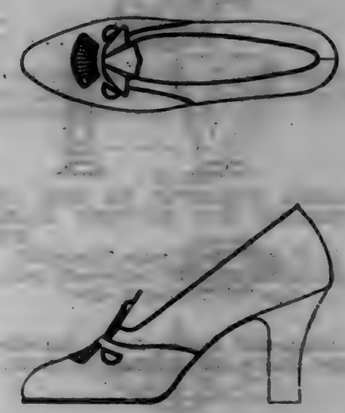
98,292

DESIGN FOR A SHOE

Pasquale Berda, Brooklyn, N. Y., assignor to Bancroft Walker Co., Waltham, Mass., a corporation of Massachusetts

Application December 13, 1935, Serial No. 60,056

Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

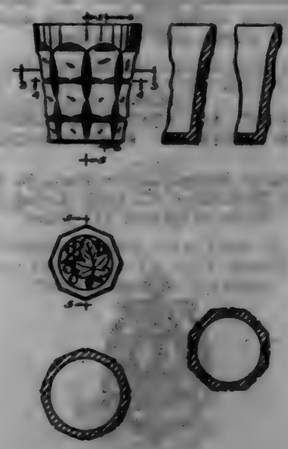
98,293

DESIGN FOR A GLASS

Jeddia B. Clark, Dunkirk, Ind., assignor to Indiana Glass Company, Dunkirk, Ind., a corporation of Indiana

Application October 5, 1935, Serial No. 58,844

Term of patent 7 years



The ornamental design for a glass, as shown and described.

98,294

DESIGN FOR AN EMBLEM

Amy J. Daniels, Palmer, Mass.

Application May 11, 1935, Serial No. 56,793

Term of patent 14 years



The ornamental design for an emblem substantially as shown and described.

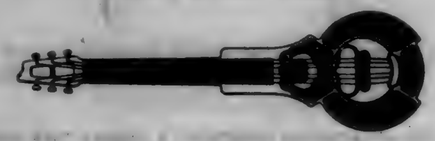
98,295

DESIGN FOR A MUSICAL INSTRUMENT

Rudolph Dopyera, Los Angeles, Calif.

Application September 23, 1935, Serial No. 58,669

Term of patent 7 years



The ornamental design for a musical instrument as shown.

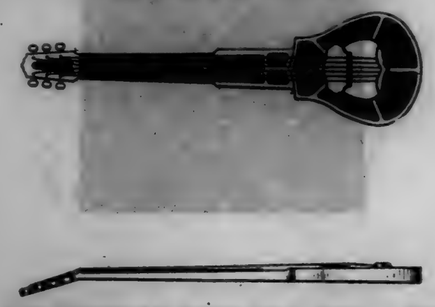
98,296

DESIGN FOR A MUSICAL INSTRUMENT

Rudolph Dopyera, Los Angeles, Calif.

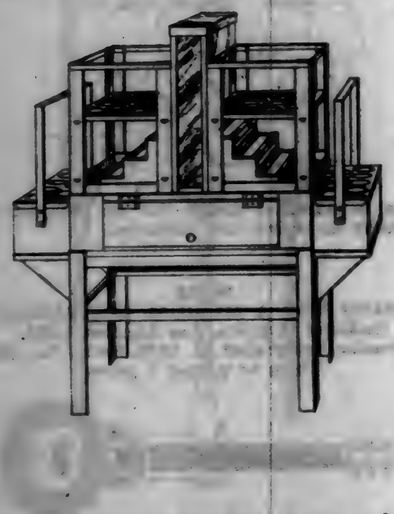
Application September 23, 1935, Serial No. 58,670

Term of patent 7 years



The ornamental design for a musical instrument as shown.

98,297
DESIGN FOR A DISPLAY RACK
Samuel C. Earley, Toledo, Ohio, assignor to The Acklin Stamping Company, Toledo, Ohio, a corporation of Ohio
Application May 20, 1935, Serial No. 56,914
Term of patent 7 years



The ornamental design for a display rack substantially as shown and described.

98,298
DESIGN FOR LACE
Bert Edson, Pawtucket, R. I.
Application December 24, 1935, Serial No. 60,250
Term of patent 3½ years



The ornamental design for lace, substantially as shown.

98,299
DESIGN FOR A COMBINED SALT AND PEPPER SHAKER
Harry J. Edison, Kansas, Minn.
Application December 5, 1935, Serial No. 58,969
Term of patent 7 years



The ornamental design for a combined salt and pepper shaker, substantially as shown.

98,300
DESIGN FOR AN APPLIQUE EMBLEM OR SIMILAR ARTICLE FOR WEARING APPAREL
Charles Ramsey, New York, N. Y.
Application December 17, 1935, Serial No. 60,142
Term of patent 3½ years



The ornamental design for an appliqué emblem or similar article for wearing apparel, substantially as shown and described.

98,301
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE FOR WEARING APPAREL
Charles Ramsey, New York, N. Y.
Application December 17, 1935, Serial No. 60,143
Term of patent 3½ years



The ornamental design for an appliqué emblem or similar article for wearing apparel, substantially as shown and described.

98,302
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE FOR WEARING APPAREL
Charles Ramsey, New York, N. Y.
Application December 17, 1935, Serial No. 60,144
Term of patent 3½ years



The ornamental design for an appliqué emblem or similar article for wearing apparel, substantially as shown and described.

98,303
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE FOR WEARING APPAREL
Charles Ramsey, New York, N. Y.
Application December 17, 1935, Serial No. 60,145
Term of patent 3½ years



The ornamental design for an appliqué emblem or similar article for wearing apparel, substantially as shown and described.

98,304
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE FOR WEARING APPAREL
Charles Ramsey, New York, N. Y.
Application December 17, 1935, Serial No. 60,146
Term of patent 3½ years



The ornamental design for an appliqué emblem or similar article for wearing apparel, substantially as shown and described.

98,305
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE FOR WEARING APPAREL
Charles Ramsey, New York, N. Y.
Application December 19, 1935, Serial No. 60,179
Term of patent 3½ years



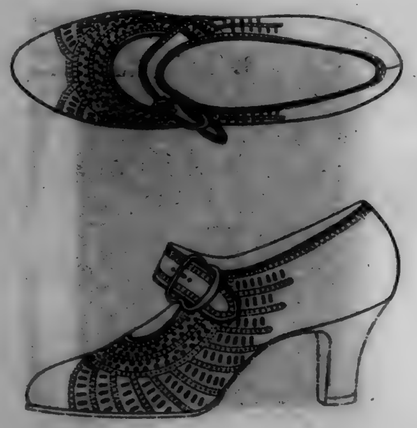
The ornamental design for an appliqué emblem or similar article for wearing apparel, substantially as shown and described.

98,306
DESIGN FOR A CYCLE SADDLE SEAT
Roland W. Faulkner, Elyria, Ohio, assignor to The Troxel Manufacturing Company, Elyria, Ohio, a corporation of Ohio
Application September 5, 1935, Serial No. 58,448
Term of patent 7 years



The ornamental design for a cycle saddle seat substantially as shown.

98,307
DESIGN FOR A SHOE
Jacob Fishman, Brooklyn, N. Y., assignor to Geo. E. Keith Company, Campello, Mass., a corporation of Massachusetts
Application November 23, 1935, Serial No. 59,817
Term of patent 3½ years



The ornamental design for a shoe, as shown and described.

98,308
DESIGN FOR A DOME LIGHT
Burton S. Fleraday, Toledo, Ohio, assignor to Dura Company, Toledo, Ohio, a corporation of Ohio
Application August 23, 1935, Serial No. 58,255
Term of patent 7 years



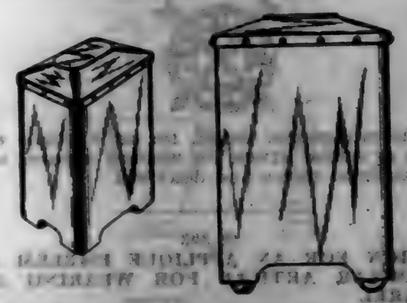
The ornamental design for a dome light, as shown and described.

98,309
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
John F. Gaul, Jr., Clifton, N. J., assignor to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey
Application December 2, 1935, Serial No. 59,257
Term of patent 14 years



The ornamental design for a textile fabric or similar article of manufacture substantially as shown.

98,310
DESIGN FOR A GREASING APPARATUS CABINET
Charles W. Ginter, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application June 12, 1935, Serial No. 57,235
Term of patent 7 years



The ornamental design for a greasing apparatus cabinet as shown and described.

98,311
DESIGN FOR A SHOE
Myron S. Goldman, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application December 9, 1935, Serial No. 59,362
Term of patent 3½ years



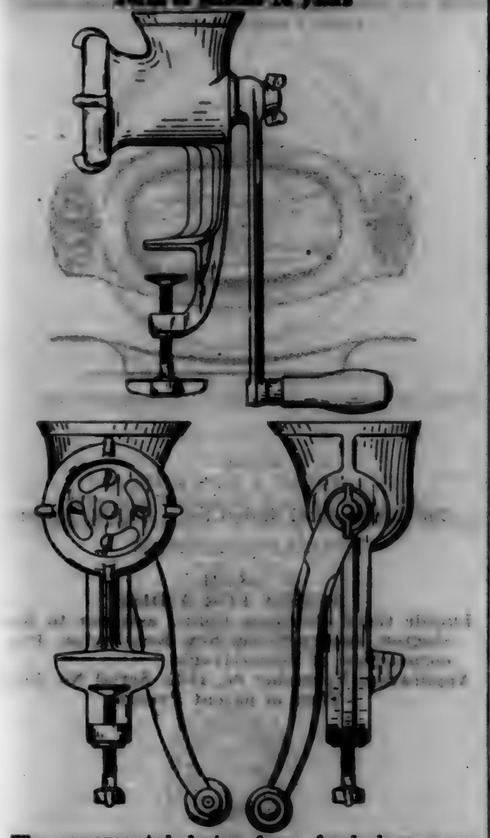
The ornamental design for a shoe, substantially as shown.

98,312
DESIGN FOR A SHOE
Myron S. Goldman, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application December 9, 1935, Serial No. 59,363
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

98,313
DESIGN FOR A FOOD CHOPPER
Roger W. Griswold, Erie, Pa., assignor to The Griswold Manufacturing Company, Erie Pa., a corporation of Pennsylvania
Application November 1, 1935, Serial No. 58,121
Term of patent 14 years



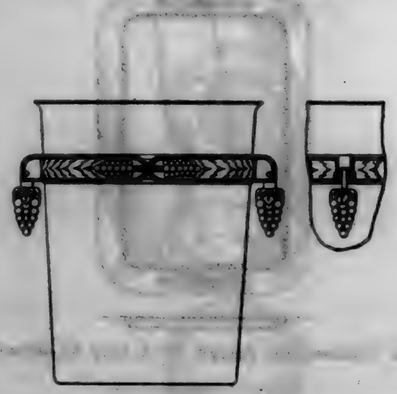
The ornamental design for a food chopper as shown.

98,314
DESIGN FOR AN UPHOLSTERY FABRIC
William Guthrie, New York, N. Y.
Application December 12, 1935, Serial No. 60,325
Term of patent 3½ years



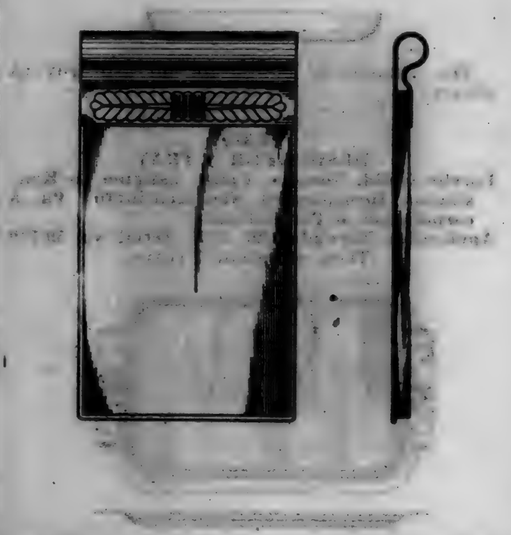
The ornamental design for an upholstery fabric as shown and described.

98,315
DESIGN FOR A WINE COOLING BUCKET OR THE LIKE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application April 20, 1935, Serial No. 56,482
Term of patent 3½ years



The ornamental design for a wine cooling bucket or the like as shown and described.

98,316
DESIGN FOR A MEMORANDUM PAD
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application October 24, 1935, Serial No. 59,275
Term of patent 3½ years



The ornamental design for a memorandum pad as shown.

98,317
DESIGN FOR A TRAY
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application October 30, 1935, Serial No. 50,277
Term of patent 3½ years



The ornamental design for a tray as shown.

98,318
DESIGN FOR AN ASH TRAY
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application October 30, 1935, Serial No. 50,278
Term of patent 3½ years



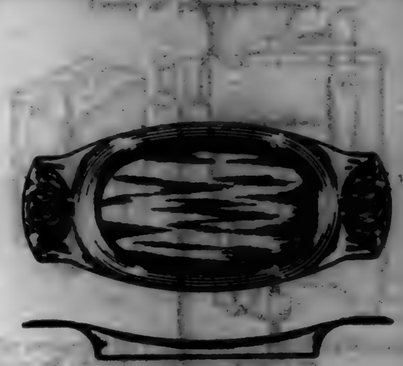
The ornamental design for an ash tray as shown.

98,319
DESIGN FOR A TRAY
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application November 30, 1935, Serial No. 50,779
Term of patent 7 years



The ornamental design for a tray as shown.

98,320
DESIGN FOR A TRAY
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application November 30, 1935, Serial No. 50,780
Term of patent 7 years



The ornamental design for a tray as shown.

98,321
DESIGN FOR A DISH
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application November 30, 1935, Serial No. 50,782
Term of patent 7 years



The ornamental design for a dish as shown.

98,322
DESIGN FOR A PLATTER
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application November 30, 1935, Serial No. 50,783
Term of patent 7 years



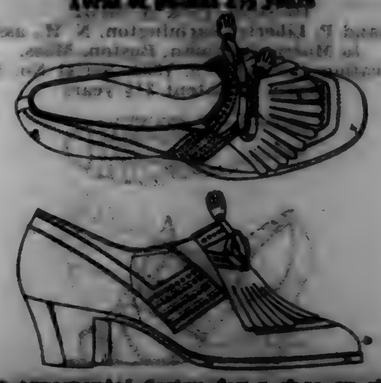
The ornamental design for a platter as shown.

98,323
DESIGN FOR A PAPER CUP
Virginia Bolderick, Kansas City, Mo.
Application October 2, 1935, Serial No. 50,791
Term of patent 3½ years



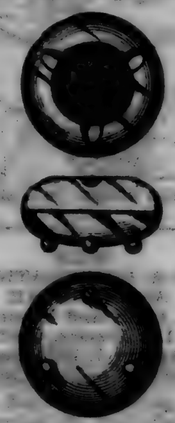
The ornamental design for a paper cup substantially as shown.

98,324
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Charles G. Hirshman, New York, N. Y.
Application December 18, 1935, Serial No. 50,995
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

98,325
DESIGN FOR AN ASH TRAY
James H. Hershey, Chicago, Ill.
Application November 11, 1935, Serial No. 50,424
Term of patent 14 years



The ornamental design for an ash tray, substantially as shown.

98,326
DESIGN FOR LACE
Hugo W. Hucknall, Elyria, Ohio, assignor to The American Lace Mfg. Co., Elyria, Ohio, a corporation of Ohio
Application October 14, 1935, Serial No. 50,977
Term of patent 3½ years



The ornamental design for lace, substantially as shown and described.

96,327
DESIGN FOR A SHOE
Alphons Herzeler, New Rochelle, N. Y.
Application December 12, 1935, Serial No. 66,647
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

96,328
DESIGN FOR A COMBINATION ASH TRAY AND LIGHTER
William A. Ingle and Edwin E. Baitke, Los Angeles, Calif.
Application August 7, 1935, Serial No. 58,605
Term of patent 7 years



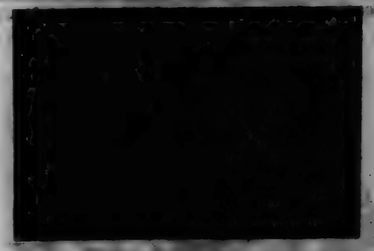
The ornamental design for a combination ash tray and lighter as shown.

96,329
DESIGN FOR A LIGHTING FIXTURE
Arthur A. Johnson, New Bedford, Mass.
Application September 10, 1935, Serial No. 58,618
Term of patent 7 years



The ornamental design for a lighting fixture as shown.

96,330
DESIGN FOR A TEXTILE FABRIC
Abe C. Kaplan, New York, N. Y.
Application December 27, 1935, Serial No. 66,942
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

96,331
DESIGN FOR A REFRIGERATOR CABINET
Ralph E. Krush, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application April 23, 1935, Serial No. 56,522
Term of patent 7 years



The ornamental design for a refrigerator cabinet substantially as shown.

96,332
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 9, 1935, Serial No. 59,961
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

96,333
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 9, 1935, Serial No. 59,969
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

96,334
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 5, 1935, Serial No. 59,971
Term of patent 3½ years



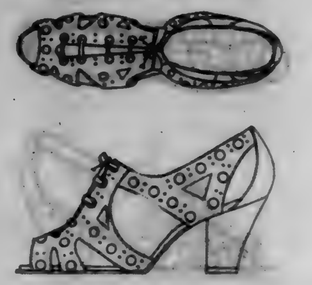
The ornamental design for a shoe substantially as shown.

96,335
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 9, 1935, Serial No. 59,975
Term of patent 3½ years



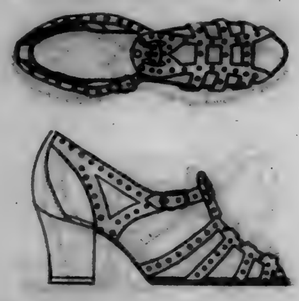
The ornamental design for a shoe substantially as shown.

96,336
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 5, 1935, Serial No. 59,975
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

96,337
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 10, 1935, Serial No. 59,983
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

96,338
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 18, 1935, Serial No. 59,984
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,339
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 10, 1935, Serial No. 59,985
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,340
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 10, 1935, Serial No. 59,986
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,341
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 10, 1935, Serial No. 59,987
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,342
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 10, 1935, Serial No. 59,988
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,343
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 10, 1935, Serial No. 59,989
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,344
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 10, 1935, Serial No. 59,990
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,345
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 10, 1935, Serial No. 59,992
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,346
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 12, 1935, Serial No. 60,025
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,347
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 12, 1935, Serial No. 60,026
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,348
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 12, 1935, Serial No. 60,027
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,349
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 12, 1935, Serial No. 60,028
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,350
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 12, 1935, Serial No. 60,029
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,339
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Burtman, Boston, Mass.
Application December 10, 1935, Serial No. 59,985
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,340
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Burtman, Boston, Mass.
Application December 10, 1935, Serial No. 59,986
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,341
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Burtman, Boston, Mass.
Application December 10, 1935, Serial No. 59,987
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,342
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Burtman, Boston, Mass.
Application December 10, 1935, Serial No. 59,988
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,343
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Burtman, Boston, Mass.
Application December 10, 1935, Serial No. 59,989
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,344
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Burtman, Boston, Mass.
Application December 10, 1935, Serial No. 59,990
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,345
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Burtman, Boston, Mass.
Application December 12, 1935, Serial No. 60,022
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,346
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Burtman, Boston, Mass.
Application December 12, 1935, Serial No. 60,025
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,347
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Burtman, Boston, Mass.
Application December 12, 1935, Serial No. 60,026
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,348
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Burtman, Boston, Mass.
Application December 12, 1935, Serial No. 60,027
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,349
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Burtman, Boston, Mass.
Application December 12, 1935, Serial No. 60,028
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,350
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Burtman, Boston, Mass.
Application December 12, 1935, Serial No. 60,029
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,351
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 12, 1935, Serial No. 60,020
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

98,352
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 17, 1935, Serial No. 60,126
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

98,353
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 17, 1935, Serial No. 60,127
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

98,354
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 17, 1935, Serial No. 60,128
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

98,355
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 17, 1935, Serial No. 60,129
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

98,356
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 17, 1935, Serial No. 60,130
Term of patent 3½ years





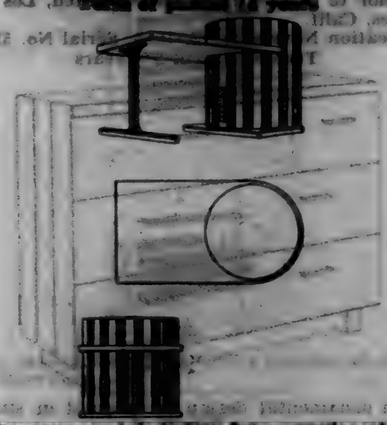
The ornamental design for a shoe substantially as shown.

98,357
DESIGN FOR A SHOE
Normand P. Liberty, Farmington, N. H., assignor to Morris Bartman, Boston, Mass.
Application December 17, 1935, Serial No. 60,131
Term of patent 3½ years



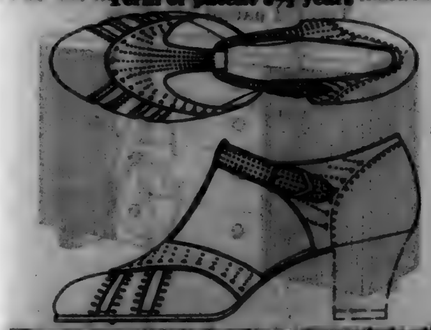
The ornamental design for a shoe substantially as shown.

98,358
DESIGN FOR A SERVICE STATION
Leonard D. Long, Charleston, S. C., assignor to Southern States Oil Company, Charleston, S. C., a corporation of South Carolina
Application May 25, 1935, Serial No. 57,059
Term of patent 14 years



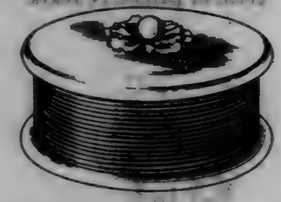
The ornamental design for a service station, as shown.

98,359
DESIGN FOR A SHOE
Joseph McGee, New York, N. Y., assignor to Bancraft Walker Co., Waltham, Mass., a corporation of Massachusetts
Application December 14, 1935, Serial No. 60,085
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

98,360
DESIGN FOR A BOUDOIR CASE
Max C. Meyer, Brooklyn, N. Y.
Application July 17, 1935, Serial No. 57,483
Term of patent 3½ years



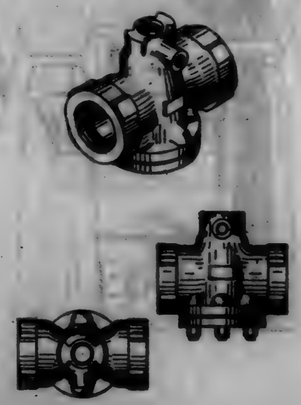
The ornamental design for a boudoir case, as shown and described.

98,361
DESIGN FOR AN ASH TRAY OR SIMILAR ARTICLE
Max C. Meyer, Brooklyn, N. Y.
Application November 12, 1935, Serial No. 59,537
Term of patent 7 years



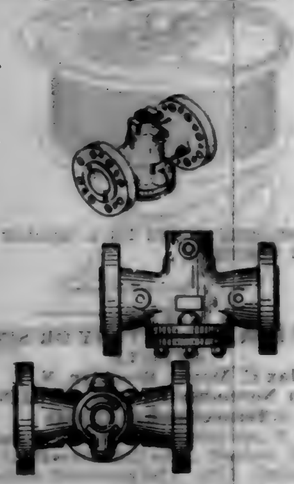
The ornamental design for an ash tray or similar article, as shown.

98,362
DESIGN FOR A PLUG VALVE BODY
Sven J. Nordstrom, Piedmont, Calif., assignor to Mereo Nordstrom Valve Company, Pittsburgh, Pa., a corporation of Delaware
Application July 9, 1935, Serial No. 57,574
Term of patent 14 years



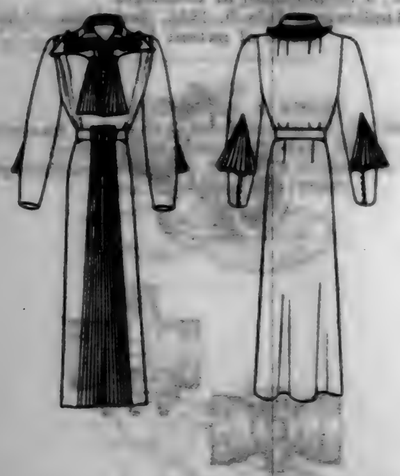
The ornamental design for a plug valve body, substantially as shown.

98,363
DESIGN FOR A PLUG VALVE BODY
Sven J. Nordstrom, Piedmont, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa., a corporation of Delaware
Application July 9, 1935, Serial No. 57,575
Term of patent 14 years



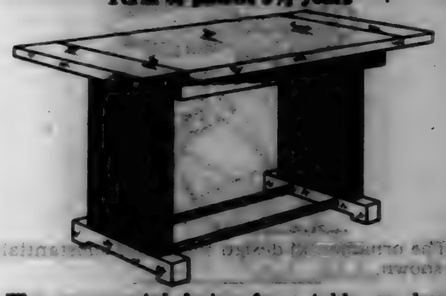
The ornamental design for a plug valve body, substantially as shown.

98,364
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application December 27, 1935, Serial No. 60,300
Term of patent 2½ years



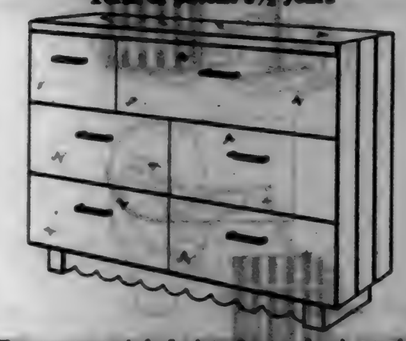
The ornamental design for a dress, substantially as shown.

98,365
DESIGN FOR A TABLE
Marshall C. Pumphrey, Los Angeles, Calif., assignor to Barker Bros. Incorporated, Los Angeles, Calif.
Application November 11, 1935, Serial No. 59,093
Term of patent 3½ years



The ornamental design for a table, as shown.

98,366
DESIGN FOR A CHEST OR SIMILAR ARTICLE
Marshall C. Pumphrey, Los Angeles, Calif., assignor to Barker Bros. Incorporated, Los Angeles, Calif.
Application November 12, 1935, Serial No. 59,506
Term of patent 3½ years



The ornamental design for a chest or similar article as shown and described.

98,367
DESIGN FOR A DRESSER OR SIMILAR ARTICLE
Marshall C. Pumphrey, Los Angeles, Calif., assignor to Barker Bros. Incorporated, Los Angeles, Calif.
Application November 26, 1935, Serial No. 59,773
Term of patent 3½ years



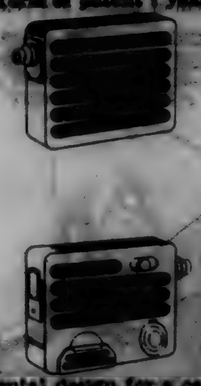
The ornamental design for a dresser or similar article as shown and described.

98,368
DESIGN FOR A BUCKLE
Solomon Putman, Newark, N. J.
Application October 24, 1935, Serial No. 59,052
Term of patent 3½ years



The ornamental design for a buckle, substantially as shown.

98,369
DESIGN FOR A CAMERA
Gordon Brown Schaibell, Millburn, N. J.
Application June 11, 1935, Serial No. 57,362
Term of patent 7 years



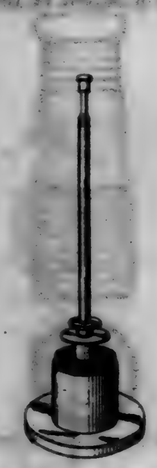
The ornamental design for a camera as shown and described.

98,370
DESIGN FOR A MUSICAL INSTRUMENT
Vinnie Seaver, Beloit, Wis.
Application November 9, 1935, Serial No. 59,231
Term of patent 7 years



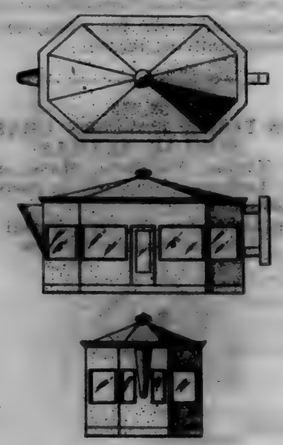
The ornamental design for a musical instrument, as shown.

98,371
DESIGN FOR A DISPLAY STAND
Bernard R. Steve, Chicago, Ill.
Application November 27, 1935, Serial No. 59,702
Term of patent 7 years



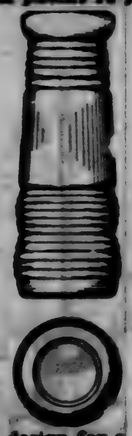
The ornamental design for a display stand, as shown.

98,372
DESIGN FOR A RESTAURANT BOOTH
Richard Sloss, Clifton, N. J.
Application December 5, 1935, Serial No. 59,917
Term of patent 14 years



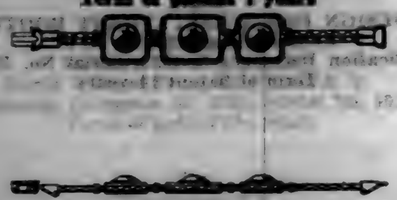
The ornamental design for a restaurant booth as shown and described.

98,373
DESIGN FOR A BOTTLE
Norman F. Stoner, San Francisco, Calif., assignor to Nesbitt Fruit Products Inc., Los Angeles, Calif., a corporation of California
Application September 18, 1935, Serial No. 36,507
Term of patent 14 years



The ornamental design for a bottle, as shown.

98,374
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
James W. Taylor, Attleboro, Mass., assignor to S. & B. Lederer Company, a corporation of Rhode Island
Application December 19, 1935, Serial No. 60,185
Term of patent 7 years



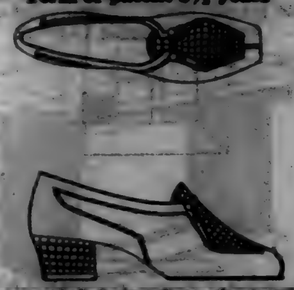
The ornamental design for a bracelet or similar article, substantially as shown.

98,375
DESIGN FOR A JEWELRY CHARM OR SIMILAR ARTICLE
James W. Taylor, Attleboro, Mass., assignor to S. & B. Lederer Company, a corporation of Rhode Island
Application December 19, 1935, Serial No. 60,187
Term of patent 7 years



The ornamental design for a jewelry charm or similar article substantially as shown.

98,376
DESIGN FOR A SHOE
Abraham Turinsky, New York, N. Y.
Application December 19, 1935, Serial No. 60,168
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

98,377
DESIGN FOR A SHOE
Abraham Turinsky, New York, N. Y.
Application December 19, 1935, Serial No. 60,169
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

98,378
DESIGN FOR LACE
James Waterfield, Philadelphia, Pa., assignor to Louis A. Hill & Company Inc., New York, N. Y.
Application November 6, 1935, Serial No. 59,480
Term of patent 3½ years



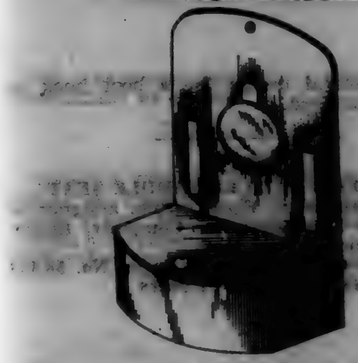
The ornamental design for lace substantially as shown.

98,379
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application December 21, 1935, Serial No. 60,213
Term of patent 3½ years



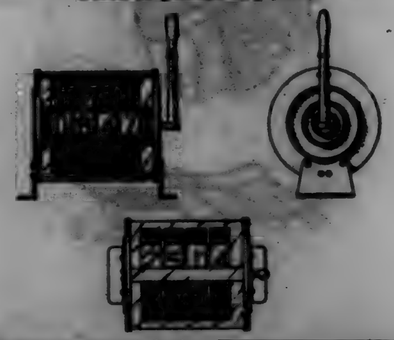
The ornamental design for a lace substantially as shown and described.

98,380
DESIGN FOR A SEWING KIT
Giuseppe Amato, New Britain, Conn.
Application September 7, 1935, Serial No. 58,469
Term of patent 3½ years



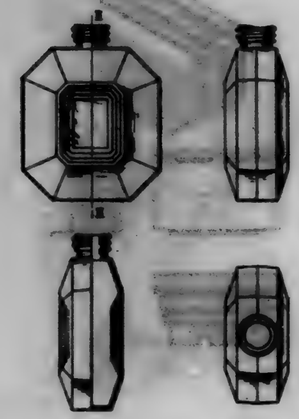
The ornamental design for a sewing kit, as shown.

98,381
DESIGN FOR A NONRETREATING INDICATOR
Alfred R. Babcock, Chicago, Ill.
Application November 16, 1935, Serial No. 59,684
Term of patent 1¼ years



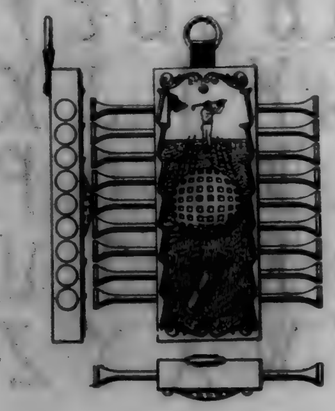
The ornamental design for a nonrepeating indicator, as shown.

98,382
DESIGN FOR A BOTTLE
Ferdinand S. Barthers, Lancaster, Ohio, assignor to General Glass Corporation, Lancaster, Ohio, a corporation of Ohio
Application December 2, 1935, Serial No. 59,883
Term of patent 14 years



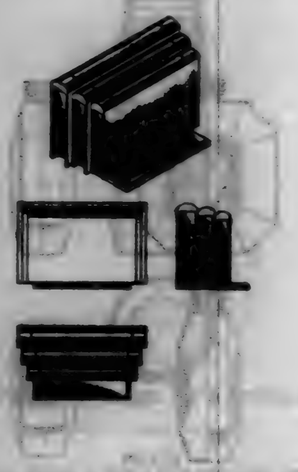
The ornamental design for a bottle substantially as shown and described.

98,383
DESIGN FOR A NECKTIE RACK
Abe H. Brothers, Brooklyn, N. Y.
Application November 30, 1935, Serial No. 59,675
Term of patent 14 years



The ornamental design for a necktie rack, as shown.

96,334
DESIGN FOR A BOOK END
Kenneth L. Cooley, Rochester, N. Y.
Application June 17, 1935, Serial No. 57,302
Term of patent 7 years



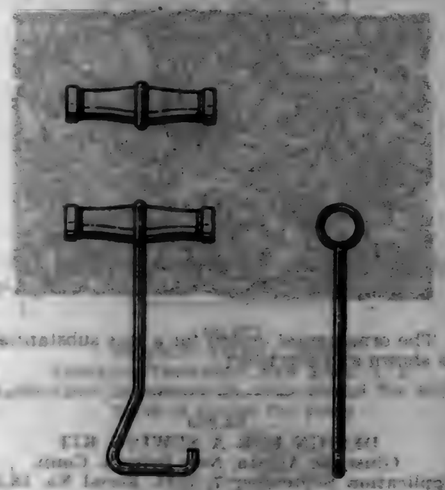
The ornamental design for a book end, substantially as shown.

96,335
DESIGN FOR A DECORATIVE ALPHABET FOR FORMING MONOGRAMS FOR WEARING APPAREL OR SIMILAR ARTICLE
Charles Ennacy, New York, N. Y.
Application November 4, 1935, Serial No. 59,382
Term of patent 14 years



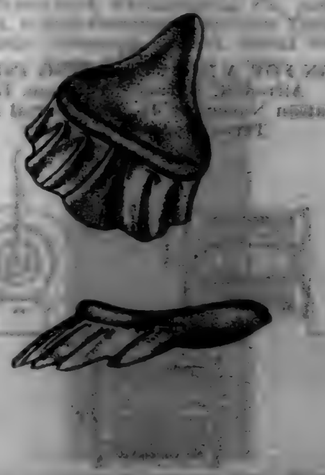
The ornamental design for a decorative alphabet for forming monograms for wearing apparel or similar article, as shown and described.

96,336
DESIGN FOR A BOOT HOOK
John A. Farnum, Worcester, Mass.
Application May 20, 1935, Serial No. 54,964
Term of patent 7 years



The ornamental design for a boot hook as shown and described.

96,337
DESIGN FOR A CYCLE SADDLE SEAT
Roland W. Faulhaber, Elyria, Ohio, assignor to The Troxel Manufacturing Company, Elyria, Ohio, a corporation of Ohio
Application September 5, 1935, Serial No. 58,449
Term of patent 7 years



The ornamental design for a cycle saddle seat substantially as shown.

96,338
DESIGN FOR A CYCLE SADDLE SEAT
Roland W. Faulhaber, Elyria, Ohio, assignor to The Troxel Manufacturing Company, Elyria, Ohio, a corporation of Ohio
Application September 5, 1935, Serial No. 58,450
Term of patent 7 years



The ornamental design for a cycle saddle seat substantially as shown.

96,339
DESIGN FOR A CYCLE SADDLE SEAT
Roland W. Faulhaber, Elyria, Ohio, assignor to The Troxel Manufacturing Company, Elyria, Ohio, a corporation of Ohio
Application September 5, 1935, Serial No. 58,451
Term of patent 7 years



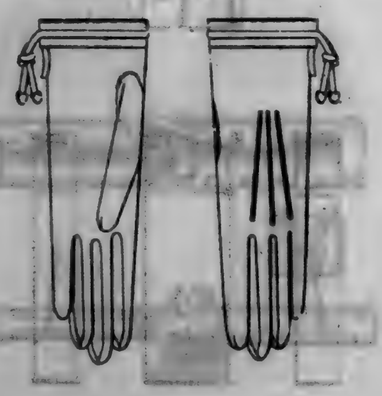
The ornamental design for a cycle saddle seat substantially as shown.

96,340
DESIGN FOR A CYCLE SADDLE SEAT
Roland W. Faulhaber, Elyria, Ohio, assignor to The Troxel Manufacturing Company, Elyria, Ohio, a corporation of Ohio
Application September 5, 1935, Serial No. 58,453
Term of patent 7 years



The ornamental design for a cycle saddle seat substantially as shown.

96,341
DESIGN FOR A GLOVE
Jerome J. Fox, New York, N. Y.
Application November 5, 1935, Serial No. 59,383
Term of patent 3½ years



The ornamental design for a glove, substantially as shown and described.

88,292
DESIGN FOR A LACE
Frank Gehring, New York, N. Y.
Application January 6, 1936, Serial No. 60,422
Term of patent 3½ years



The ornamental design for a lace substantially as shown and described.

88,293
DESIGN FOR A POCKET LIGHTER OR THE LIKE
Thomas M. Gibson, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application November 18, 1935, Serial No. 59,629
Term of patent 3½ years



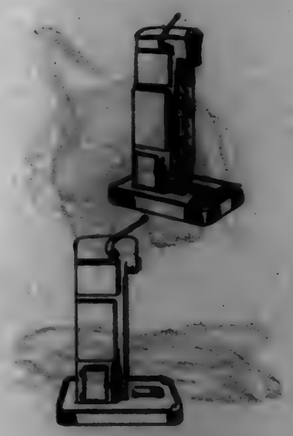
The ornamental design for a pocket lighter or the like as shown.

88,294
DESIGN FOR A LIGHTING UNIT
Joseph W. Gosling, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 13, 1935, Serial No. 57,240
Term of patent 14 years



The ornamental design for a lighting unit, as shown.

88,295
DESIGN FOR A MILLING MACHINE STANDARD
Benjamin F. Graves, Cranston, R. I., assignor to Brown & Sharpe Manufacturing Company, a corporation of Rhode Island
Application July 2, 1935, Serial No. 57,695
Term of patent 14 years



The ornamental design for a milling machine standard, substantially as shown and described.

88,296
DESIGN FOR A BOTTLE
Frank W. Gray, Los Angeles, Calif., assignor to Mission Dry Corporation, Los Angeles, Calif., a corporation of Delaware
Application August 26, 1935, Serial No. 58,913
Term of patent 14 years



The ornamental design for a bottle as shown.

88,297
DESIGN FOR A CIRCULATION HEATER
David J. Howard, Chicago, Ill., assignor to Quaker Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 16, 1935, Serial No. 58,569
Term of patent 3½ years



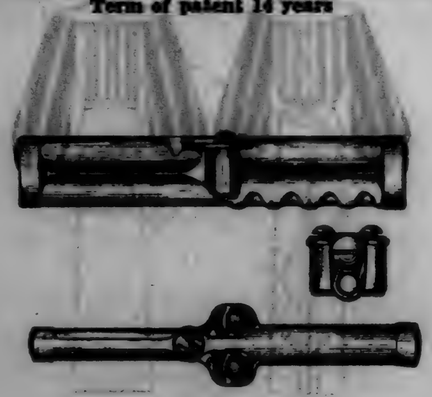
The ornamental design for a circulation heater substantially as shown and described.

88,298
DESIGN FOR A HAND MIRROR OR THE LIKE
Cecil H. Lawrence, Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application December 18, 1935, Serial No. 60,161
Term of patent 7 years



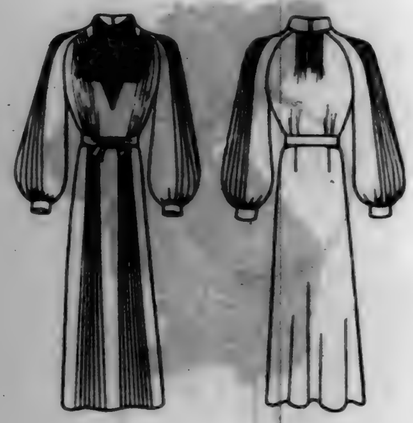
The ornamental design for a hand mirror or the like as shown.

88,299
DESIGN FOR AN AIR LINE GAUGE
Walter H. Longstreet, Brooklyn, N. Y., assignor to Acme Air Appliance Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 19, 1935, Serial No. 59,656
Term of patent 14 years



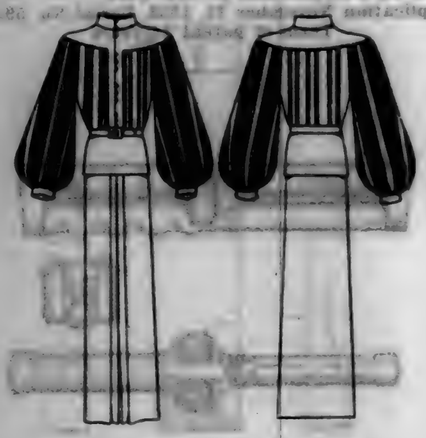
The ornamental design for an air line gauge, as shown.

88,480
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application December 27, 1935, Serial No. 60,381
Term of patent 3½ years



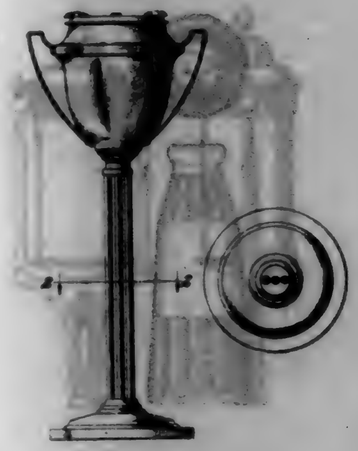
The ornamental design for a dress, substantially as shown, and described.

88,481
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application December 31, 1935, Serial No. 60,352
Term of patent 3½ years



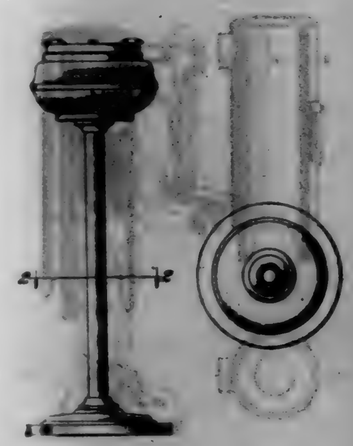
The ornamental design for a dress, substantially as shown, and described.

88,482
DESIGN FOR A SMOKING STAND
Edward Schultz, Chicago, Ill., assignor to The Nagel-Chase Mfg. Co., Chicago, Ill., a corporation of Illinois
Application November 23, 1935, Serial No. 59,744
Term of patent 7 years



The ornamental design for a smoking stand, as shown.

88,482
DESIGN FOR A SMOKING STAND
Edward Schultz, Chicago, Ill., assignor to The Nagel-Chase Mfg. Co., Chicago, Ill., a corporation of Illinois
Application November 23, 1935, Serial No. 59,744
Term of patent 7 years



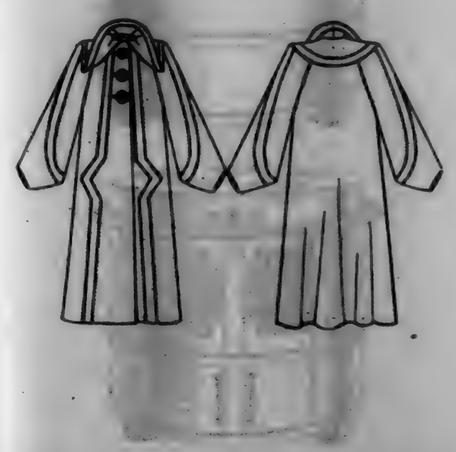
The ornamental design for a smoking stand, as shown.

88,494
DESIGN FOR A COAT
Abraham Sieglman, New York, N. Y.
Application December 12, 1935, Serial No. 60,235
Term of patent 3½ years



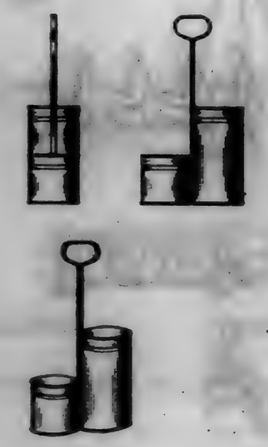
The ornamental design for a coat, substantially as shown.

88,495
DESIGN FOR A COAT
Abraham Sieglman, New York, N. Y.
Application December 31, 1935, Serial No. 60,351
Term of patent 3½ years



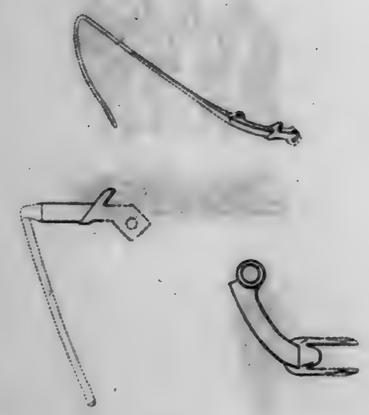
The ornamental design for a coat, substantially as shown.

88,496
DESIGN FOR A CONTAINER FOR FLOWERS
Pauline Wilcox Smith, Waterbury, Conn.
Application March 23, 1935, Serial No. 55,999
Term of patent 7 years



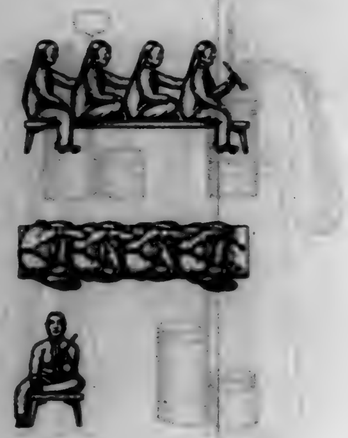
The ornamental design for a container for flowers substantially as shown and described.

88,497
DESIGN FOR A COMBINED TEMPLE AND TEMPLE SUPPORT FOR AN OPHTHALMIC MOUNTING
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application October 24, 1935, Serial No. 59,204
Term of patent 14 years



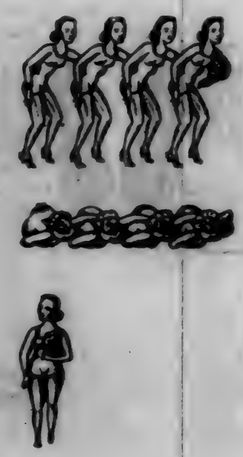
The ornamental design for a combined temple and temple support for an ophthalmic mounting substantially as shown and described.

98,408
DESIGN FOR A RADIATOR OR SIMILAR ARTICLE
Mikolaj Stefanczyk, Hamtramck, Mich.
Application November 16, 1935, Serial No. 39,691
Term of patent 7 years



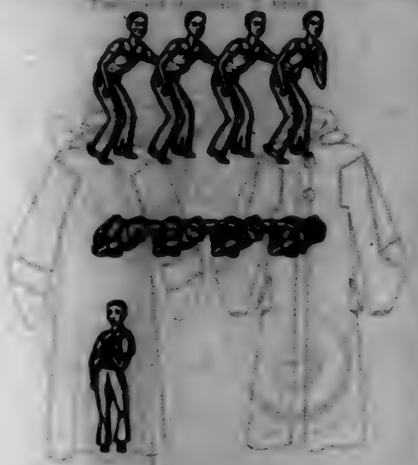
The ornamental design for a radiator or similar article, as shown.

98,409
DESIGN FOR A RADIATOR OR SIMILAR ARTICLE
Mikolaj Stefanczyk, Hamtramck, Mich.
Application November 16, 1935, Serial No. 39,692
Term of patent 7 years



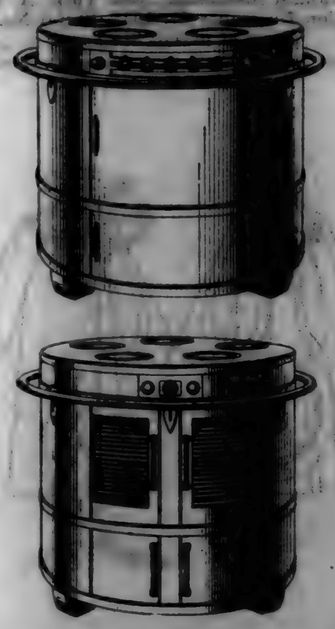
The ornamental design for a radiator or similar article, as shown.

98,410
DESIGN FOR A RADIATOR OR SIMILAR ARTICLE
Mikolaj Stefanczyk, Hamtramck, Mich.
Application November 16, 1935, Serial No. 39,693
Term of patent 7 years



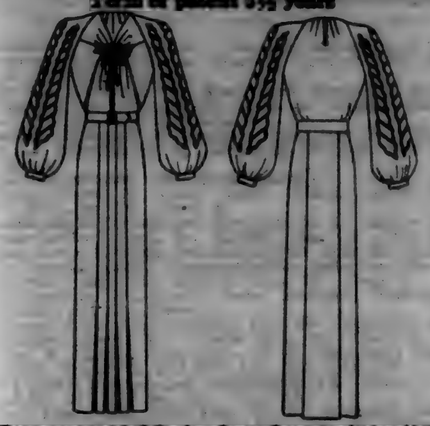
The ornamental design for a radiator or similar article, as shown.

98,411
DESIGN FOR A STOVE
John Tjaarda, Birmingham, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application December 14, 1935, Serial No. 40,896
Term of patent 14 years



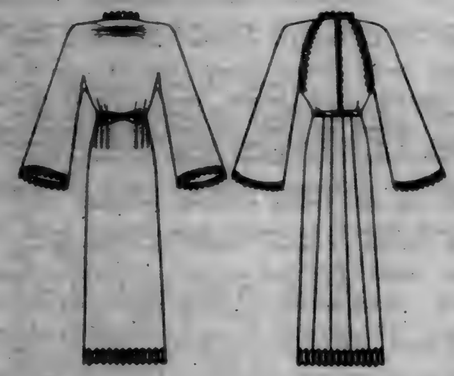
The ornamental design for a stove, substantially as shown.

98,412
DESIGN FOR A DRESS
William S. Woolfe, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y.
Application December 21, 1935, Serial No. 40,150
Term of patent 3½ years

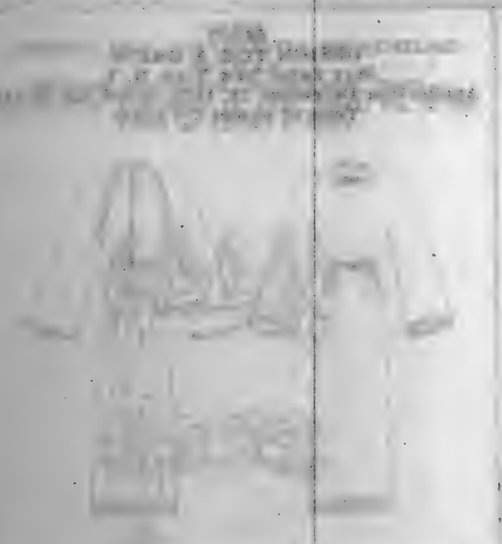


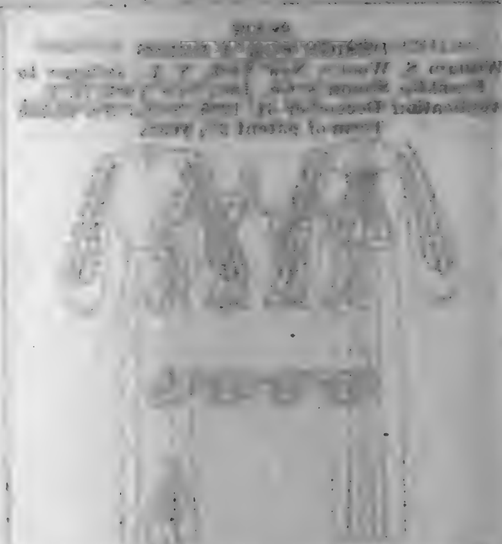
The ornamental design for a dress, substantially as shown, and described.

98,413
DESIGN FOR A DRESS
Max Zahn, New York, N. Y.
Application December 28, 1935, Serial No. 40,312
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.













LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Alexander & Baldwin, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned pineapple. Serial No. 367,983; Jan. 28. Class 46.

Alloy Steel Products Co., Boston and Dorchester, Mass. Plumbing and steam-fitting valves and fittings. Serial No. 371,048; Jan. 28. Class 13.

American Cyanamid & Chemical Corporation, New York, N. Y. Sulphonated oil. Serial No. 371,802; Jan. 28. Class 6.

Amold Laboratories. (See Dyck, Eva M.)

Andrews, Louis K., Lynn, Mass. Shoes. Serial No. 370,331; Jan. 28. Class 39.

Atlantic Blade Corporation, Brooklyn, N. Y. Razors and razor blades. Serial No. 372,260; Jan. 28. Class 23.

Austin, Anna L., doing business as Prof. John H. Austin, Los Angeles, Calif. Preparations for restoring color to the hair. Serial No. 372,249; Jan. 28. Class 6.

Ayer Company, The, Lowell, Mass. Medicine. Serial No. 372,074; Jan. 28. Class 6.

Baltimore Pure Rye Distilling Co., The, Dundalk, Md. Whiskey. Serial No. 372,454; Jan. 28. Class 49.

Bartley, A. Claude, Washington, D. C. Periodical publication. Serial No. 372,300; Jan. 28. Class 38.

Bayuk Cigars Incorporated, Philadelphia, Pa. Cigars. Serial No. 367,527; Jan. 28. Class 17.

Bendel, Henri, Inc., New York, N. Y. Perfumes, toilet water, sachet. Serial No. 371,086; Jan. 28. Class 6.

Bendix Products Corporation, South Bend, Ind. Instruments for testing brakes, steering apparatus, lights, etc. Serial No. 361,704; Jan. 28. Class 28.

Bennett Distilling Company, San Francisco, Calif. Rum liqueur, brandy, sloe gin, etc. Serial No. 371,936; Jan. 28. Class 49.

Better Clothes Inc., New York, N. Y. Men's suits and overcoats. Serial No. 372,158; Jan. 28. Class 39.

Bohlender Plant Chemicals, Inc., Tippecanoe City, Ohio. Liquid for repelling insects. Serial No. 372,089; Jan. 28. Class 6.

Bread Bakeries Service, Inc., New York, N. Y. Bakery products. Serial No. 367,917; Jan. 28. Class 46.

Brill, H. C., Company, Inc., Newark, N. J. Concentrated tomato, gelatine, sugar, flavoring, and spices for making jelled salads and jellied bouillon. Serial No. 371,522; Jan. 28. Class 46.

Case & Co., Inc., New York, N. Y. Lace piece goods. Serial No. 371,726; Jan. 28. Class 42.

Castle Products, Inc., Newark, N. J. Maltless grenadine syrup and extracts, and fruit juices for flavoring beverages. Serial No. 362,846; Jan. 28. Class 45.

Cavendish Trading Corporation, New York, N. Y. Ladies' underwear. Serial No. 371,525; Jan. 28. Class 39.

Callasin Co., The. (See Cummings, James H.)

Chase, Cleveland B., Company, Inc., New York, N. Y. Slide picture films and plastic sound records. Serial No. 371,127; Jan. 28. Class 36.

Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Camphor ice. Serial No. 371,906; Jan. 28. Class 6.

Cohen, Goldman & Co. Inc., New York, N. Y. Outer garments. Serial No. 371,571; Jan. 28. Class 39.

Cohn-Hall-Marx Co., New York, N. Y. Cotton and/or silk piece goods. Serial Nos. 371,910–11; Jan. 28. Class 42.

Cohn-Hall-Marx Co., New York, N. Y. Rayon, silk, and cotton piece goods. Serial No. 372,087; Jan. 28. Class 42.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. Serial No. 368,127; Jan. 28. Class 4.

Columbian Rope Company, Auburn, N. Y. Bonded bodies or articles used for bulking purposes and for supporting abrasive materials. Serial No. 371,587; Jan. 28. Class 4.

Commercial Laboratories Inc., Newark, N. J. Cocoanut oil shampoo, almond cream, bay rum, etc. Serial No. 367,883; Jan. 28. Class 6.

Consolidated Produce Company, Ltd., Los Angeles, Calif. Fruits, fresh vegetables, honey, eggs, etc. Serial No. 370,870; Jan. 28. Class 46.

Container Corporation of America, Chicago, Ill. Paper board boxes and shipping cartons. Serial No. 371,895; Jan. 28. Class 2.

Corn Belt Supply Company, Sioux City, Iowa. Foods for livestock and poultry. Serial No. 365,551; Jan. 28. Class 44.

Culbertson, John, & Sons, Philadelphia, Pa. Woven fabrics. Serial No. 371,204; Jan. 28. Class 42.

Cummings, James H., doing business as The Callasin Co., Buffalo, N. Y. Ferment. Serial No. 372,037; Jan. 28. Class 6.

Curtis Publishing Company, The, Philadelphia, Pa. Section of an agricultural journal. Serial No. 371,241; Jan. 28. Class 38.

Davidson, Nathan N., Des Moines, Iowa. Chemical for preventing runs in silk hosiery. Serial No. 372,397; Jan. 28. Class 6.

De Garey Co., Inc., New York, N. Y. Satin crepe, and sheer piece goods. Serial No. 371,527; Jan. 28. Class 42.

De Marcilly, P., Pres., Beaune, France. Wines. Serial Nos. 359,695–8; Jan. 28. Class 47.

Dennis, Martin, Company, Newark, N. J. Tannage for white leather. Serial No. 371,879; Jan. 28. Class 6.

Department Sales Company. (See Lees, Joseph.)

Devoe & Raynolds Company, Inc., New York, N. Y. Ready mixed artists' oil colors. Serial No. 371,394; Jan. 28. Class 16.

Digest and Review Publishing Corporation, New York, N. Y. Magazines. Serial No. 372,049; Jan. 28. Class 38.

Di Marco, Antonio, doing business as Di Marco Winery, Los Angeles, Calif. Wines. Serial No. 372,400; Jan. 28. Class 47.

Dunnybrook Coat Co., Inc., New York, N. Y. Ladies' coats. Serial No. 372,004; Jan. 28. Class 39.

Drume, Inc., Detroit, Mich. Dry cleaning powder. Serial No. 372,090; Jan. 28. Class 4.

Dutchess Underwear Corporation, New York, N. Y. Underwear, pajamas, night gowns, and dresses. Serial Nos. 368,101–2; Jan. 28. Class 39.

Dutchess Underwear Corporation, New York, N. Y. Pajamas, night gowns, and dresses. Serial No. 368,562; Jan. 28. Class 39.

Dutchess Underwear Corporation, New York, N. Y. Ladies' pajamas, nightgowns, and dresses. Serial No. 370,653; Jan. 28. Class 39.

Dyck, Eva M., doing business as Amold Laboratories, Glendale, Calif. Tablet to be used to relieve irritation caused by sinus trouble. Serial No. 371,918; Jan. 28. Class 6.

Earl Fruit Company, San Francisco, Calif. Fresh fruits. Serial No. 372,006; Jan. 28. Class 46.

Ehrman, Samuel, & Co., Inc., New York, N. Y. Lace piece goods. Serial No. 371,542; Jan. 28. Class 42.

Engel, Isadore M., doing business as Philco Spark Plug Company, Washington, D. C. Spark plugs. Serial No. 370,549; Jan. 28. Class 21.

Etablissements Jitrax, Societe Anonyme, Bordeaux, France. Rum. Serial No. 371,886; Jan. 28. Class 49.

Etablissements Pernod, Maisons Pernod Fils, Hemard & Pernod Pere & Fils Reunies Société Anonyme, Paris, France. Liquor with an anise base. Serial No. 367,978; Jan. 28. Class 49.

Fehr, Frank, Brewing Co., Inc., Louisville, Ky. Beer. Serial No. 372,327; Jan. 28. Class 49.

Fishermen's Packing Corporation, Everett, Wash. Canned salmon. Serial No. 371,466; Jan. 28. Class 46.

Four Star Laboratory, Chicago, Ill. Coating liquids for protecting ignition wires, spark plugs, etc. Serial No. 365,451; Jan. 28. Class 6.

Fuller Fabrics, Corp., New York, N. Y. Cotton piece goods. Serial No. 372,009; Jan. 28. Class 42.

General Dyestuff Corporation, New York, N. Y. Addition agents for use in the dyeing of wool and silks. Serial No. 372,052; Jan. 28. Class 6.

General Fire Extinguisher Company, Providence, R. I. Portable fire extinguishing apparatus. Serial No. 367,523; Jan. 28. Class 23.

Gerber & Co., Inc., New York, N. Y. Cheese. Serial No. 355,105; Jan. 28. Class 46.

Glidden Company, The, Cleveland, Ohio. Ready mixed paints and paint enamels. Serial No. 371,287; Jan. 28. Class 16.

Glidden Company, The, Cleveland, Ohio. Furniture polish. Serial No. 371,845; Jan. 28. Class 16.

Globe Bottling Co. (See Kanner, Abe.)

Golden Glint Co., Inc., doing business as Old Smoothie Company, Seattle, Wash. Brushless shaving cream. Serial No. 372,418; Jan. 28. Class 4.

Goodall Worsted Co., Sanford, Maine. Piece goods. Serial No. 371,573; Jan. 28. Class 42.

Goodall Worsted Co., Sanford, Maine. Men's and boys' wearing apparel. Serial No. 371,574; Jan. 28. Class 39.

Gray and Terry Manufacturing Co., Kansas City, Mo. Baskets of canvas and steel and fashioned to collapse. Serial No. 372,067; Jan. 28. Class 2.

Greig, Lawrence & Hoyt, Limited, New York, N. Y. Champagne. Serial No. 372,364; Jan. 28. Class 47.

Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned fruits. Serial No. 370,307; Jan. 28. Class 46.

Higrade Products Co., Braddock, Pa. Ginger ale and maltless beverages, and syrups and extracts for making same. Serial No. 371,771; Jan. 28. Class 45.

Hinman, Dorothy, doing business as Novalene Company, New York, N. Y. Preparation for the treatment of asthma and hay fever. Serial No. 372,476; Jan. 28. Class 6.

Hirsch, Maurice, Houston, Tex. Lapel buttons, emblems, medals, etc. Serial No. 368,934; Jan. 28. Class 50.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Hofmann-Olsen, T., Lumber Co. of Miss., Inc., Logtown, Miss. Particular kind of gum lumber. Serial No. 370,285; Jan. 28. Class 12.

Hork Brothers Neckwear Company, Chicago, Ill. Men's neckties, cravats, and mufflers. Serial No. 367,759; Jan. 28. Class 39.

Huf, Barnes and Opie, Inc., Pittsburgh, Pa. Paper bags. Serial No. 369,328; Jan. 28. Class 2.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Antiseptic and disinfectant. Serial No. 371,969; Jan. 28. Class 6.

International Silver Company, Meriden, Conn. Silver-plated flat-ware for table use and the like. Serial No. 372,014; Jan. 28. Class 28.

Jo-Ko Products. (See Roosebluh, John.)

Kaffa, Dora E., Natchitoches, La. Card games. Serial No. 372,369; Jan. 28. Class 22.

Kanner, Abe, doing business as Globe Bottling Co., Los Angeles, Calif. Beer. Serial No. 372,018; Jan. 28. Class 48.

Kay, Mrs. Ellen R. (See Kuderna, Louise M.)

Kemler, Alex F., Fur Co., St. Louis, Mo. Clothing. Serial No. 371,643; Jan. 28. Class 39.

Kilgore Manufacturing Company, The, Westerville, Ohio. Toy pistols. Serial No. 369,462; Jan. 28. Class 22.

Klein, J. Manuel, Philadelphia, Pa. Brandy. Serial No. 372,601; Jan. 28. Class 49.

Klein, L., Inc., Chicago, Ill. Muscatel, port, tokay, etc., wines. Serial No. 372,105; Jan. 28. Class 47.

Krulwich, Bernard, & Co., New York, N. Y. Hats. Serial No. 371,345; Jan. 28. Class 39.

Kuderna, Louise M., doing business as Mrs. Ellen R. Kay, Chicago, Ill. Spiced sardines and herring, and smoked herring. Serial No. 371,168; Jan. 28. Class 46.

L. B. W. Limited, London and Uxbridge, England. Barley water for use as a beverage or as an ingredient of a beverage. Serial No. 370,007; Jan. 28. Class 45.

Lam, Joseph, doing business as Department Sales Company, New York, N. Y. Razor blades. Serial No. 372,326; Jan. 28. Class 28.

Livermore and Knight Company, Providence, R. I. Novelty display signs. Serial No. 369,196; Jan. 28. Class 50.

Lubri-Sol Corporation, The, Wooster, Ohio. Hydrocarbon fuels and chemically treated lubricating compositions. Serial No. 371,265; Jan. 28. Class 15.

Macfadden Publications, Inc., New York, N. Y. Section of a monthly magazine. Serial No. 371,550; Jan. 28. Class 38.

Macy, R. H., & Co., Inc., New York, N. Y. Children's dresses. Serial No. 371,784; Jan. 28. Class 39.

Maiden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. Serial No. 370,285; Jan. 28. Class 39.

Mallard Distilling Company, Jersey City, N. J. Gin. Serial No. 368,449; Jan. 28. Class 49.

Manne & Weill Corporation, New York, N. Y. Fabric gloves. Serial No. 368,822; Jan. 28. Class 40.

Mathieson Alkali Works (Inc.), The, New York, N. Y. Chemical product. Serial No. 372,061; Jan. 28. Class 6.

Mattei, A., Fresno, Calif. Wines. Serial No. 372,479; Jan. 28. Class 47.

Melvin Co., South Pasadena, Calif. Analgesic, sedative, and hypnotic. Serial No. 372,605; Jan. 28. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation for the treatment of cardiac ailments. Serial No. 371,601; Jan. 28. Class 6.

Michigan Sugar Company, Saginaw, Mich. Sugar. Serial No. 371,315; Jan. 28. Class 46.

Moeller & Beecio Sucrs., S. en C., Ponce, P. R. Rum. Serial Nos. 372,731–5; Jan. 28. Class 49.

Music, Samuel, Brooklyn, N. Y. Cheese cloth. Serial No. 372,631; Jan. 28. Class 42.

National Yarn Corporation, Cleveland, Ohio. Yarns. Serial No. 370,585; Jan. 28. Class 48.

New Scalp Medicine Company, La Follette, Tenn. Vegetable compound tonic, liniment, catarrh balm, etc. Serial No. 371,821; Jan. 28. Class 6.

Niagara Sprayer and Chemical Co., Inc., Middleport, N. Y. Parasiticides. Serial No. 371,992–3; Jan. 28. Class 6.

Noralene Company. (See Hinman, Dorothy.)

O'Connor, Susan V., doing business as Petaluxia Toiletries, New York, N. Y. Astringents, astringent cerates, beauty creams, etc. Serial No. 371,280; Jan. 28. Class 6.

Old Smoothie Company. (See Golden Glint Co.)

O'Leary, Lydia, Inc., doing business as Lydia O'Leary, New York, N. Y. Preparation used by morticians. Serial No. 368,077; Jan. 28. Class 6.

Oliver Tire & Rubber Company, Oakland, Calif. Black sheet gum for patching, cushion gum and rubber in strip form. Serial Nos. 371,76–7; Jan. 28. Class 35.

Omega Manufacturing Company, Incorporated, New York, N. Y. Electrical clocks, electrolysis machines, and parts thereof. Serial Nos. 347,154–6; Jan. 28. Class 21.

Orbis Products Corporation, New York, N. Y. Eucalyptol and oil of eucalyptus. Serial Nos. 372,668–9; Jan. 28. Class 6.

Pendergast, T. J., Wholesale Liquor Co., Kansas City, Mo. Whiskey, gin, rum, brandy, etc. Serial Nos. 32,736–40; Jan. 28. Class 49.

Petalakia Toiletries. (See O'Connor, Susan V.)

Pinlco Spark Plug Company. (See Engel, Isadore M.)

Post-McVey, Company, Inc., Boston, Mass. Leather top-lifts. Serial No. 371,076; Jan. 28. Class 39.

Pratt, George D., Jr., doing business as Sunny Valley Farm, New Milford, Conn. Milk and cream. Serial No. 371,888; Jan. 28. Class 45.

Procter & Gamble Company, The, Cincinnati, Ohio. Soap. Serial No. 372,429; Jan. 28. Class 4.

Pure Drug Products, Inc., Jacksonville, Fla. Medicine. Serial No. 369,717; Jan. 28. Class 6.

Puritan Tailors. (See Sigman, Leon.)

Rath Packing Company, The, Waterloo, Iowa. Cooked chicken and meat loaf. Serial No. 369,199; Jan. 28. Class 46.

Rizza, J. F., Publishing Company, The, Des Moines, Iowa. Record books and record sheets. Serial No. 369,439; Jan. 28. Class 37.

Rogers Peet Company, New York, N. Y. Boys' clothing. Serial No. 371,503; Jan. 28. Class 39.

Roosebluh, John, doing business as Jo-Ko Products, New York, N. Y. Liquid hair and scalp preparation. Serial No. 368,962; Jan. 28. Class 6.

Ross, Sydney Co., The, Newark, N. J. Preparations for treatment of headaches, neuralgia, and nerve ailments. Serial No. 372,497; Jan. 28. Class 6.

Royal Soap & Chemical Company, Los Angeles, Calif. Household cleanser, mechanic's soap, and metal and glass polish. Serial No. 370,018; Jan. 28. Class 4.

Salzlehner, Andreas, Budapest, Hungary, Luxatives. Serial No. 372,029; Jan. 28. Class 6.

Scherkenbach Bros., Hetland, S. Dak. Sandwiches. Serial No. 368,577; Jan. 28. Class 46.

Schitzler, Molly, doing business as Oswald Schitzler Manufacturing Co., West New York, N. J. Laces and lace piece goods. Serial No. 371,316; Jan. 28. Class 42.

Scholl Mfg. Co. Inc., The, New York, N. Y., and Chicago, Ill. Arch supports and insoles. Serial No. 368,415; Jan. 28. Class 44.

Sheinman, Harry L., New York, N. Y. Silk piece goods. Serial No. 371,836; Jan. 28. Class 42.

Sigman, Leon, doing business as Puritan Tailors, Chicago, Ill. Suits and overcoats. Serial No. 369,748; Jan. 28. Class 39.

Societe Des Usines Chimiques Rhone-Poulenc, Paris, France. Sheets of acetate cellulose and parts of such sheets. Serial No. 359,967; Jan. 28. Class 1.

Soy Bean Products Co., Chicago, Ill. Crushed roasted soy beans for use by bakers, etc. Serial No. 367,345; Jan. 28. Class 46.

Soy Bean Products Co., Chicago, Ill. Nut-like edible product consisting of soy beans roasted in oil. Serial No. 367,741; Jan. 28. Class 46.

Spiegel, May, Stern Company, Incorporated, The, Chicago, Ill. Pneumatic vehicle tires and inner tubes therefor. Serial No. 372,261; Jan. 28. Class 35.

Standard Oil Company of New Jersey, Wilmington, Del. Motor fuel oil. Serial No. 372,114; Jan. 28. Class 15.

Standard Oil Development Company, Linden, N. J. Water-lem cleaning compound. Serial No. 372,491; Jan. 28. Class 4.

Standard Rice Company Inc., Houston, Tex. Rice, rice flour, and rice bran and rice polish both used as cattle feed. Serial No. 369,058; Jan. 28. Class 45.

Standard Salt Corporation, New York, N. Y. Salt. Serial No. 372,117; Jan. 28. Class 6.

Standard Ultramarine Company, The, Huntington, W. Va. Dyestuffs and aniline dyes. Serial No. 372,072; Jan. 28. Class 6.

Stein, Morris, Bronx, N. Y. Medicated liquid foot preparation for athlete's foot, etc. Serial No. 372,439; Jan. 28. Class 6.

Sunny Valley Farm. (See Pratt, George D., Jr.)

Surface Combustion Corporation, Toledo, Ohio. Air conditioning units and systems. Serial No. 371,006; Jan. 28. Class 34.

Tenney, Elizabeth W., Webster Groves, Mo. Dress ornaments, buttons, and buckles made of pottery. Serial No. 369,874; Jan. 28. Class 40.

Texas Company, The, New York, N. Y. Lubricating oil. Serial No. 372,226; Jan. 28. Class 15.

Thomson, J. G., & Co. Limited, Leith, Edinburgh, Scotland. Cognac, brandy, and whisky. Serial No. 371,780; Jan. 28. Class 49.

Tiny Town Togs, Inc., New York, N. Y. Sweaters, leggings, gloves, mittens, etc. Serial No. 371,510; Jan. 28. Class 39.

Top O'The World Farms. (See Tuttle, Charles H.)

Torne Products Co., Chicago, Ill. Paper, cardboard, fabric, etc., toy cutouts. Serial No. 370,783; Jan. 28. Class 22.

Tri-Knit Undergarment Co., Inc., New York, N. Y. Ladies' underwear. Serial No. 372,068; Jan. 28. Class 39.

Tuttle, Charles H., doing business as Top O'The World Farms, Lake George, N. Y. Live chicks and poultry, dressed poultry, eggs, milk, etc. Serial No. 366,540; Jan. 28. Class 45.

Uchida Matsujiro, Honolulu, Hawaii. Playing cards. Serial Nos. 371,328–9; Jan. 28. Class 22.

PUBLISHED FOR OPPOSITION

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United Elastic Corporation, Easthampton, Mass. Elastic thread. Serial No. 372,373; Jan. 28. Class 40.

United Enterprises, Inc., Evansville, Ind. Cosmetics. Serial No. 370,332; Jan. 28. Class 6.

United States News Publishing Corporation, The, Washington, D. C. Sections of periodical publications. Serial No. 372,150; Jan. 28. Class 38.

United States Shoe Corporation, Cincinnati, Ohio. Shoes. Serial No. 371,187; Jan. 28. Class 39.

Vandam, Albert E., Co., Inc., New York, N. Y. Piece goods. Serial No. 371,963; Jan. 28. Class 42.

Vick Chemical Company, Philadelphia, Pa. Medicinal salve. Serial No. 371,905; Jan. 28. Class 6.

Virginia State Horticultural Society, Inc., Staunton, Va. Fresh apples. Serial No. 370,966; Jan. 28. Class 46.

Walla Walla Canning Company, Walla Walla, Wash. Canned fruits and vegetables. Serial No. 361,592; Jan. 28. Class 46.

Walla Hosiery Company, North Wales, Pa. Ladies' hosiery. Serial No. 372,097; Jan. 28. Class 39.

Wanamaker, John, Philadelphia, Pa. Suits, dresses, wraps, etc. Serial No. 367,161; Jan. 28. Class 39.

Wathen, John A., Distillery Co., Inc., Lebanon and Louisville, Ky. Whiskey. Serial No. 369,285; Jan. 28. Class 49.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric lamp fixtures. Serial No. 372,584; Jan. 28. Class 21.

Wonneman, C. C., and Sons, Merico, Mo. Dog food. Serial No. 368,119; Jan. 28. Class 46.

Young, Geo., & Co., Chicago, Ill. Soft balls. Serial No. 372,702; Jan. 28. Class 22.

LIST OF REGISTRANTS OF TRADE-MARKS

American Auto Supply Co. Inc., Rochester, N. Y. Electric storage batteries. 332,034; Jan. 28; Serial No. 369,904; published Nov. 19, 1935. Class 21.

American Chicle Company, Long Island City, N. Y. Chewing gum. 332,035; Jan. 28; Serial No. 370,534; published Nov. 19, 1935. Class 46.

American Lithographing & Printing Company, Des Moines, Iowa. White writing-paper. 108,437; renewed Apr. 11, 1936.

American Sheet and Tin Plate Company, Pittsburgh, Pa. Iron and steel sheets and plates and tin and terne plates. 108,377; renewed Mar. 26, 1936.

Amity Leather Products Co., as assignee of Robert H. Kolb, assignor to Amity Leather Products Co., West Bend, Wis. Leather goods. 110,106; renewed May 2, 1936.

Anaheim Community Growers, Anaheim, Calif. Fresh citrus fruit. 331,965; Jan. 28; Serial No. 366,321; published Nov. 19, 1935. Class 46.

Atex Laboratories, Inc., Chicago, Ill. External preparation for diseases and ailments of the feet. 332,043; Jan. 28; Serial No. 368,823; published Nov. 19, 1935. Class 6.

Backrock Printing Press Manufacturing Company, New London, Conn. Printing-presses. 108,328; renewed Feb. 1, 1936.

Ballard & Ballard Co., Louisville, Ky. Wheat flour. 331,951; Jan. 28; Serial No. 367,226; published Nov. 19, 1935. Class 46.

Bear Brand Hosiery Co., Hazleton, Ill. Hosiery. 331,967; Jan. 28; Serial No. 369,474; published Nov. 19, 1935. Class 39.

Belding Hemingway Company, New York, N. Y. Yarn. 332,056; Jan. 28. Class 48.

Benham, William T. (See Nydia Bank Lock Company, The.)

Betz, Arthur B., doing business as S & N Steels, Cleveland, Ohio. Carbon and alloy steel bars. 331,956; Jan. 28; Serial No. 369,293; published Nov. 19, 1935. Class 14.

Birch, Sam, Company, Portland, Oreg. Fresh apples and pears. 332,010; Jan. 28; Serial No. 369,851; published Nov. 19, 1935. Class 46.

Bisbee Corporation, Philadelphia, Pa. Salad oil. 332,008; Jan. 28; Serial No. 369,899; published Nov. 19, 1935. Class 46.

Bjelland, Chr. & Co., Inc., New York, N. Y. Canned fish and canned sardines. 108,000; renewed May 21, 1936.

Blouse-craft Company, Inc., The, New York, N. Y. Blouses and dresses. 331,971; Jan. 28; Serial No. 367,837; published Nov. 19, 1935. Class 39.

Brill, H. C., Co., Inc., Newark, N. J. Ice cream, ice cream powders. 331,946; Jan. 28; Serial No. 340,430; published Nov. 19, 1935. Class 46.

Brown Co. Inc., The, New York, N. Y. Women's wipe. 331,961; Jan. 28; Serial No. 368,917; published Nov. 19, 1935. Class 36.

Brown & Sharpe Manufacturing Company, Providence, R. I. Machine tools. 332,018; Jan. 28; Serial No. 369,969; published Nov. 19, 1935. Class 23.

Buehler, Edward L., Wooster, Ohio. Fruit-roasted coffee. 332,022; Jan. 28; Serial No. 366,915; published Nov. 19, 1935. Class 46.

California Fruit Products Co., Inc., New York, N. Y. Wines. 331,947; Jan. 28; Serial No. 361,290; published Nov. 27, 1934. Class 47.

Campbell, Metzger & Jacobson, New York, N. Y., assignee to Peri-Lusta, Limited, Big Mill, Mill Street, Leek, England. Threads, in skeins and balls, for embroidery. 109,713; renewed Apr. 15, 1936.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Gas absorbent materials. 332,000; Jan. 28; Serial No. 369,296; published Nov. 19, 1935. Class 6.

Carter, John, & Company, Incorporated. (See Stone & Andrew Inc., assignee.)

Catalin Corporation of America, Fords, N. J. Hardened plastic material in the form of sheets, rods, etc. 332,011; Jan. 28; Serial No. 369,946; published Nov. 19, 1935. Class 1.

Celanese Corporation of America, New York, N. Y. Piece goods. 332,097; Jan. 28. Class 42.

Charter Oak Citrus Association, Charter Oak, Calif. Lemons, oranges, and grape-fruit. 108,964–5; renewed Mar. 14, 1936.

Charter Oak Citrus Association, Charter Oak, Calif. Lemons, oranges, and grape-fruit. 109,203; renewed Mar. 26, 1936.

Charter Oak Citrus Association, Charter Oak, Calif. Oranges, lemons, and grape-fruit. 110,274; renewed May 9, 1936.

Chemical Foundation, Incorporated, The. (See Farbwerke vorm. Meister Lucius & Brüning, assignors.)

Chemical Foundation, Incorporated, The. (See Lindner, Adolph, Gesellschaft mit beschränkter Haftung, assignor.)

Chemical Foundation, Incorporated, The. (See Nitsche & Günther Optische Werke, assignor.)

Christy Inc., Newark, N. Y. Bath salts, hair tonic, brilliantine, etc. 331,902; Jan. 28; Serial No. 367,223; published Nov. 19, 1935. Class 6.

Chromium Corporation of America, New York, N. Y. Screen plates, evaporator tubes, suction box covers, etc., in the paper making industry. 332,017; Jan. 28; Serial No. 369,978; published Nov. 19, 1935. Class 23.

Clark, Charles E., doing business as Clark Chemical Company, Omaha, Nebr. Preparation for use as an alterative and antiseptic, etc. 332,042; Jan. 28; Serial No. 369,524; published Nov. 19, 1935. Class 6.

Clarke, Wilhelmina L. D. (See Hamilton, Estelle B.)

Colorado Milling & Elevator Company, The. (See Husler Milling & Elevator Co., The, assignor.)

Colorado Milling & Elevator Company, The. (See Loveland Milling & Elevator Company, The, assignor.)

Colorado Milling & Elevator Company, The. (See Twin Falls Milling & Elevator Co., The, assignor.)

Colorado Milling & Elevator Company, The. (See Wilson Milling & Elevator Co., The, assignor.)

Conrad Razor Blade Co. Inc., Long Island City, N. Y. Shaving cream and shaving soap. 331,963; Jan. 28; Serial No. 369,604; published Nov. 19, 1935. Class 4.

Davel Rubber Company. (See Meinecke, Christian W., assignor.)

Delson Chemical Co., Inc., The, New York, N. Y. Preparation for lung, throat, ad intestinal diseases. 107,718; renewed Dec. 22, 1936.

Detroit Cover Company, Detroit, Mich. Inhaler devices. 331,945; Jan. 28; Serial No. 364,863; published Nov. 19, 1935. Class 44.

Dorr Company, Inc., The, New York, N. Y. Apparatus for treatment of solids suspended in liquids and more particularly for sedimentation apparatus such as clarifiers, etc. 332,009; Jan. 28; Serial No. 369,967; published Nov. 19, 1935. Class 23.

Dorsey, Adelia G., Lockport, La. Medicinal tonic. 107,881; renewed Jan. 4, 1936.

Ehlers, Albert, Inc., Brooklyn, N. Y. Coffee. 331,997; Jan. 28; Serial No. 369,296; published Nov. 19, 1935. Class 46.

Ehrman, Samuel, & Co., Inc., New York, N. Y. Lace piece goods. 332,067; Jan. 28. Class 42.

Electric Refrigerator Sales Corp., Elizabeth, N. J. Oil burners. 331,930; Jan. 28; Serial No. 367,286; published Nov. 19, 1935. Class 34.

Electro Metallurgical Company, Glen Ferris, W. Va., and Niagara Falls, N. Y., to Electro Metallurgical Company, New York, N. Y. Alloys and alloying metals used in the manufacture of special steels. 106,985; renewed Feb. 25, 1936.

Erlanger, N., Brumgart & Co., New York, N. Y. Wool and cotton crash piece goods. 108,000; renewed Jan. 18, 1936.

Erlanger, N., Blumgart & Co., New York, N. Y. Cotton dress fabrics. 110,534; renewed May 20, 1930.
Erlanger, N., Blumgart & Co., New York, N. Y. Cotton piece goods. 110,535; renewed May 20, 1936.
Eylax Laboratories. (See Van Hall, Ralph R.)
Fairyfoot Products Company, Chicago, Ill. Shampoo for the hair. 331,924; Jan. 28; Serial No. 368,170; published Nov. 12, 1935. Class 6.
Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Remedy for gouty and rheumatic diseases and neuralgic affections. 109,160; renewed Mar. 21, 1936.
Farmers Federation, Incorporated, Asheville, N. C. Canned beans and tomatoes. 331,953; Jan. 28; Serial No. 355,759; published Nov. 19, 1935. Class 46.
Franklin Sugar Refining Company, The, Philadelphia, Pa. Confectioners' sugar. 107,706; renewed Dec. 31, 1935.
Freedman, Milton W., doing business as White Oven Food Products Co., Philadelphia, Pa. Potato chips and baking products. 331,929; Jan. 28; Serial No. 369,053; published Nov. 19, 1935. Class 46.
French, Eustace N., Chicago, Ill. Blood medicine, kidney and bladder medicine, etc. 331,944; Jan. 28; Serial No. 363,962; published Nov. 19, 1935. Class 6.
French, R. T., Company, The, Rochester, N. Y. Canary birds. 332,034-5; Jan. 28; Serial Nos. 370,139-40; published Nov. 19, 1935. Class 1.
Frisoli, Domenico, doing business as Scientific Model Airplane Co., Newark, N. J. Toys. 332,070; Jan. 28. Class 22.
Fritzsche Brothers, Inc., New York, N. Y. Natural and synthetic essential oils suitable for perfuming purposes. 332,004; Jan. 28; Serial No. 369,226; published Nov. 19, 1935. Class 6.
Gary, J. H., doing business as J. H. Gary Co., San Francisco, Calif. Canned figs. 331,966; Jan. 28; Serial No. 369,351; published Nov. 19, 1935. Class 46.
Gerstendorfer Bros., by change of name to Sapolin Co. Inc., New York, N. Y. Paints and painters' materials. 110,390; renewed May 22, 1936.
Goldberg, Nat D., doing business as Sunset Distilling Company, not Inc., Chicago, Ill. Cordials, sloe gin, liqueurs, etc. 332,062; Jan. 28. Class 49.
Goldsmith Bros. Smelting & Refining Co., Chicago, Ill. Plastic impression material for dental purposes. 332,049; Jan. 28; Serial No. 367,701; published Nov. 19, 1935. Class 44.
Goldsmith, P., Sons Co., The, Cincinnati, Ohio. Inflated game balls. 332,065; Jan. 28. Class 22.
Gordon Clothing Co., Chicago, Ill. Men's clothing. 331,943; Jan. 28; Serial No. 363,281; published Nov. 19, 1935. Class 39.
Green, Benjamin H., Bessemer, Ala. Preparation for cancers, ulcers, and tumors. 110,210; renewed May 9, 1936.
Green Cross Pharmaceutical Products, Inc., New York, N. Y. Liquid vehicle serving as a base for other medicinal ingredients. 331,985; Jan. 28; Serial No. 368,409; published Nov. 12, 1935. Class 6.
Green Cross Pharmaceutical Products, Inc., New York, N. Y. General tonic. 331,986; Jan. 28; Serial No. 368,410; published Nov. 12, 1935. Class 6.
Green Cross Pharmaceutical Products, Inc., New York, N. Y. Nose drops. 331,987; Jan. 28; Serial No. 368,411; published Nov. 12, 1935. Class 6.
Green Cross Pharmaceutical Products, Inc., New York, N. Y. General tonic, nose drops, & laxative, etc. 331,990; Jan. 28; Serial No. 368,415; published Nov. 12, 1935. Class 6.
Green Cross Pharmaceutical Products, Inc., New York, N. Y. Laxative. 331,991; Jan. 28; Serial No. 368,418; published Nov. 12, 1935. Class 6.
Greenspoon Clothing Co., Inc., St. Louis, Mo. Men's and boys' wearing apparel. 331,963; Jan. 28; Serial No. 368,882; published Nov. 19, 1935. Class 39.
Griffith Laboratories, Inc., The, Chicago, Ill. Flavoring composition and dressing to be added to ground meats. 332,060; Jan. 28. Class 46.
Guillamon, Francisco A., Murcia, Spain. Medicinal products. 331,995; Jan. 28; Serial No. 366,613; published Nov. 12, 1935. Class 6.
Hamilton, Estelle B., to Wilhelmina L. D. Clarke, New York, N. Y., successor. Hair-pomade. 109,349; renewed Apr. 4, 1936.
Hart, Michael, & Company Limited, London, England. Medicinal tablets. 331,996; Jan. 28; Serial No. 345,622; published Nov. 12, 1935. Class 6.
Hedman Manufacturing Company, The, Chicago, Ill. Mechanical check-protectors. 106,791; renewed Feb. 29, 1936.
Hill Brothers, Inc., Miami, Fla. Chili sauce, sandwich spread, macaroni, etc. 331,930; Jan. 28; Serial No. 369,572; published Nov. 19, 1935. Class 46.
Hill Brothers, Inc., Miami, Fla. Peanut butter. 332,041; Jan. 28; Serial No. 369,571; published Nov. 19, 1935. Class 46.
Holdeman & Son, Elkhart, Ind. Solution to accelerate and harden ordinary concrete. 332,068; Jan. 28. Class 12.
Hollywood Girls Coat Co., New York, N. Y. Coats and suits for girls, misses, and ladies. 331,932; Jan. 28; Serial No. 367,253; published Nov. 19, 1935. Class 39.
Holme & Seifert. (See Seifert, H. M., Jr., Inc.)
Hood Rubber Co., Watertown, Mass., assignor to Hood Rubber Company, Inc., Wilmington, Del. Rubber boots and shoes, rubber overshoes, etc. 107,837; renewed Nov. 29, 1935.
Hudnut, Richard, New York, N. Y. Rouge. 109,667; renewed Apr. 11, 1936.
Hunter Milling & Elevator Co., The, Salt Lake City, Utah, assignor to The Colorado Milling & Elevator Company, Denver, Colo. Wheat-flour. 110,128; renewed May 2, 1936.
Industrial Cigar Co., Pittsburgh, Pa., to Industrial Cigar Company, Pittsburgh, Pa., and Harrisville, Ohio. Tobies. 109,598; renewed Apr. 28, 1936.
Inland Manufacturing Company, The, Dayton, Ohio. Ice trays used as refrigerating units. 332,055; Jan. 28. Class 31.
Inmas, Leon C., Cicero, Ill. Preparation for the treatment of hay fever, catarrh of the head, asthma, etc. 331,988; Jan. 28; Serial No. 368,071; published Nov. 12, 1935. Class 6.
Innis, Speiden & Company, New York, N. Y. Sodium hydrate, sodium carbonate, sodium bicarbonate, etc. 331,999; Jan. 28; Serial No. 369,277; published Nov. 19, 1935. Class 6.
International Silver Company, Meriden, Conn. Brushes. 331,942; Jan. 28; Serial No. 362,874; published Nov. 19, 1935. Class 29.
Isaacs, I. C., & Company, Inc., Baltimore, Md. Riding breeches, jodhpurs, and riding coats, etc. 332,008; Jan. 28; Serial No. 369,229; published Nov. 19, 1935. Class 39.
Jack Bros. & McBurney Co., Brawley, Calif. Fresh cantaloupe, vegetables, fruits, and grapes. 331,974; Jan. 28; Serial No. 368,816; published Nov. 19, 1935. Class 46.
Johnson, Oliver, & Company, Inc., Providence, R. I. Ready-mixed paint. 109,519-20; renewed Feb. 15, 1936.
Kafka, A., & Co. Inc., New Haven, Conn. Cigars. 331,968; Jan. 28; Serial No. 369,490; published Nov. 19, 1935. Class 17.
Karagheusian, A. & M., to A. & M. Karagheusian, Inc., New York, N. Y., successor. Textile rugs. 109,538; renewed Apr. 11, 1936.
Keller-Kohn Co. Inc., The, Cleveland, Ohio. Women's clothing. 331,941; Jan. 28; Serial No. 362,529; published Nov. 19, 1935. Class 39.
Kelley-Clarke Co., Seattle, Wash. Canned fish. 332,036; Jan. 28; Serial No. 370,144; published Nov. 19, 1935. Class 46.
King, J. W., doing business as King Chemical Company, El Dorado, Ark. Liquid preparation for use as a non-poisonous, non-escharatic, germicidal, hemostat, bacteriostat, astringent, etc. 332,050; Jan. 28; Serial No. 367,563; published Nov. 19, 1935. Class 6.
Knoblauch, Baldwin, Hamburg, Germany. Eggs, milk, butter, cream, etc. 331,938; Jan. 28; Serial No. 362,147; published Nov. 19, 1935. Class 46.
Kraus Bros. & Co., Inc., New York, N. Y. Whiskies, gins, and alcohol cordials. 332,071; Jan. 28. Class 49.
Kress, S. H., and Company, New York, N. Y. Polishes and cleaners, paints, varnishes, etc. 331,994; Jan. 28; Serial No. 366,662; published Oct. 15, 1935. Class 16.
La Compagnie Pharmaceutique Desbergers, Montreal, Quebec, Canada. Medicinal powder. 331,967; Jan. 28; Serial No. 368,749; published Nov. 12, 1935. Class 6.
Larson, L. P., Jr., Company, assignor, by mesne assignments, to Wm. Wrigley, Jr., Company, Chicago, Ill. Chewing-gum. 107,789; renewed Dec. 28, 1935.
Lee, Royal, doing business as Vitamin Products Company, Milwaukee, Wis. Concentrated food vitamin tablet. 331,921; Jan. 28; Serial No. 368,107; published Nov. 12, 1935. Class 6.
Lerner Blouse Co., New York, N. Y. Ladies' dresses, blouses, and waists. 332,045; Jan. 28; Serial No. 369,065; published Nov. 19, 1935. Class 39.
Lever Brothers Company, Cambridge, Mass. Detergent compound for general washing and cleansing. 332,020-31; Jan. 28; Serial Nos. 369,816-27; published Nov. 19, 1935. Class 4.
Levinson, Meyer, Fort Worth, Tex. Wines. 332,048; Jan. 28; Serial No. 367,728; published Nov. 19, 1935. Class 47.
Linck, Otto E., doing business as Sollicide Laboratories, Upper Montclair, N. J. Insecticides. 331,958; Jan. 28; Serial No. 368,854; published Nov. 19, 1935. Class 6.
Lincoln Electric Company, The, Cleveland, Ohio. Welding electrodes formed of carbon. 331,964; Jan. 28; Serial No. 356,445; published Nov. 19, 1935. Class 21.
Lincoln Motor Company, Detroit, Mich. Automobiles. 332,052; Jan. 28; Serial No. 370,351; published Nov. 19, 1935. Class 19.
Lindner, Adolph, Gesellschaft mit beschränkter Haftung, Berlin, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Deodorizing material. 108,525; renewed Feb. 15, 1936.
Linehan & Molo, Dubuque, Iowa. Coal. 332,061; Jan. 28. Class 1.

Ling, Roy C., doing business as Nupower Company, Oklahoma City, Okla. Chemical compound adapted to be introduced into worn internal combustion engines. 331,937; Jan. 28; Serial No. 369,035; published Nov. 19, 1935. Class 6.
Loveland Milling & Elevator Company, The, Loveland, assignor to The Colorado Milling & Elevator Company, Denver, Colo. Wheat flour. 110,135; renewed May 2, 1936.
Lowenfels, Frederick F., & Son, New York, N. Y. Butter. 332,069; Jan. 28; Serial No. 368,225; published Nov. 19, 1935. Class 46.
Luebbers, Ernest H., doing business as San-O-Klenze Laboratories, New York, N. Y. Powder used for feminine hygiene. 332,046; Jan. 28; Serial No. 367,845; published Nov. 19, 1935. Class 6.
Makransky, S., and Sons, Inc., Philadelphia, Pa. Suits, coats, vests, etc. 332,005; Jan. 28; Serial No. 369,197; published Nov. 19, 1935. Class 39.
Mallars & Company. (See Nasiacos Importing Co., assignor.)
Markowitz, Oscar, Brooklyn, N. Y. Neckties and four in hand ties. 332,002; Jan. 28; Serial No. 369,234; published Nov. 19, 1935. Class 39.
Master Laboratories, Inc., Omaha, Nebr. Fish oil capsules. 331,998; Jan. 28; Serial No. 366,911; published Nov. 19, 1935. Class 6.
Maurine Company, The, assignee of Percy Walker, San Francisco, Calif. Facial creams, freckle creams, face powder, etc. 331,922; Jan. 28; Serial No. 366,140; published Nov. 12, 1935. Class 6.
Maxwell & O'Brien, Worcester, Mass. Fresh deciduous fruit. 332,028; Jan. 28; Serial No. 357,913; published Nov. 19, 1935. Class 46.
McClintock-Trunkey Co., The, Spokane, Wash. Canned fruits and vegetables. 110,468; renewed May 23, 1936.
Meinecke, Christian W., New York, N. Y., assignor to Davol Rubber Company, Providence, R. I. Nipples. 110,469; renewed May 23, 1936.
Miami Baking Co., Miami, Fla. Bread. 332,038; Jan. 28; Serial No. 368,203; published Nov. 19, 1935. Class 46.
Moore Manufacturing Company, by change of name to The Moore Company, Muncie, Ind. Bed-springs. 110,580; renewed May 30, 1936.
Mosler Lock Company, The. (See Nydia Bank Lock Company, assignee.)
Myers, E. H., Co. Ltd., Los Angeles, Calif. Gym suits, gym shorts, gym knickers, etc. 331,981; Jan. 28; Serial No. 369,577; published Nov. 19, 1935. Class 39.
Nashawena Mills, New Bedford, Mass. Cotton, linen, silk and woolen piece goods. 110,025; renewed May 2, 1936.
Nasiacos Importing Co., assignor to Mallars & Company, Chicago, Ill. Olive-oil. 107,930; renewed Jan. 4, 1936.
Neon Products, Inc., Lima, Ohio. Electrically illuminated signs. 331,983; Jan. 28; Serial No. 369,628; published Nov. 19, 1935. Class 21.
New Century Company, The, Chicago, Ill. White flour. 107,490; renewed Dec. 7, 1935.
New York Milk Corporation, New York Milks, to New York Milk Corporation, New York, N. Y. Corduroy. 110,232; renewed May 16, 1936.
Nitsche & Günther Optische Werke, Rathenow, Germany, assignor, by mesne assignments, to The Chemical Foundation, Incorporated, Wilmington, Del., and New York, N. Y. Measuring and scientific appliances. 108,440; renewed Feb. 8, 1936.
North American Rayon Corporation, New York, N. Y. Thread and/or yarn of regenerated cellulose. 332,056; Jan. 28. Class 48.
Northern Paper Mills, Green Bay, Wis. Toilet-paper, toweling, and wrapping-paper in rolls and interfolded packs. 110,508; renewed May 30, 1936.
Norwich Pharmacal Company, The, Norwich, N. Y. Halibut liver oil and cod liver oil preparation. 331,939; Jan. 28; Serial No. 362,233; published Apr. 16, 1935. Class 6.
Nupower Company. (See Ling, Roy C.)
Nu-Way Wash Products Corp., doing business as Nu-Way Wash Products Co., Chicago, Ill. Compound for bleaching, deodorizing, and disinfecting, etc. 331,972; Jan. 28; Serial No. 368,574; published Nov. 19, 1935. Class 6.
Nydia Bank Lock Company, The, assignee of William T. Benham, Norwood, Ohio, assignor, by mesne assignments, to The Mosler Lock Company, Covington, Ky. Locks and lock-dials. 110,034; renewed May 2, 1936.
Ohlen-Bishop Company, The, Columbus, Ohio. Saws. 332,010; Jan. 28; Serial No. 369,894; published Nov. 19, 1935. Class 23.
Old Ben Coal Corporation, Chicago, Ill. Coal. 332,026; Jan. 28; Serial No. 370,987; published Dec. 10, 1935. Class 1.
Old Bergen Distilleries, Inc., North Bergen, N. J. Apple jack. 332,059; Jan. 28. Class 49.
Osborn Paper Company, Marion, Ind. Paper tablets. 110,219; renewed May 9, 1936.
Oxweld Acetylene Company, Chicago, Ill., to Oxweld Acetylene Company, New York, N. Y. Welding-rods. 108,613; renewed Feb. 15, 1935.

Paraffine Paint Company, The, assignor, by mesne assignments, to The Paraffine Paint Company, San Francisco, Calif. Waterproof and weatherproof building and roofing material. 108,657; renewed Feb. 22, 1936.
Peri-Lusta, Limited. (See Campbell, Metzger & Jacobsen, assignor.)
Plymouth Wholesale Dry Goods Corp., New York, N. Y. Hosiery. 331,969; Jan. 28; Serial No. 369,503; published Nov. 19, 1935. Class 39.
Pomona Manufacturing Company. (See Wilmerding & Bisset, assignor.)
Psoriatex Laboratories, Inc. (See Singer, Joseph B.)
Purma Cameras Limited, London, England. Cameras. 332,015; Jan. 28; Serial No. 360,895; published Nov. 19, 1935. Class 20.
Purpoil Laboratories, Inc., Baltimore, Md. Nasal oil. 331,955; Jan. 28; Serial No. 366,634; published Nov. 19, 1935. Class 6.
Quaker Chemical Co. (See Sloan, Simon D.)
Rahmann, Georgi, & Co., to Arthur H. Rahmann, doing business as Geo. Rahmann & Co.; New York, N. Y., successor. Leather belting. 108,306; renewed Jan. 25, 1936.
Rahmann, Geo., & Co., to Arthur H. Rahmann, doing business as Geo. Rahmann & Co., successor, New York, N. Y. Leather belting. 109,128; renewed Mar. 21, 1936.
Rahmann, Geo., & Co., to Arthur H. Rahmann, doing business as Geo. Rahmann & Co., New York, N. Y., successor. Leather belting. 109,648; renewed Apr. 18, 1936.
Regal Company, Birmingham, Ala. Permanent wave solution, soapless oil shampoo, finger waving powder, etc. 331,950; Jan. 28; Serial No. 356,089; published Nov. 12, 1935. Class 6.
Rolfs, Robert H. (See Amity Leather Products Co.)
Rosenfeld, Joseph P., Newark, N. J. Coal. 332,001; Jan. 28; Serial No. 369,244; published Nov. 19, 1935. Class 1.
Rocolla, Salvatore, New York, N. Y. Medicated preparation. 332,029; Jan. 28; Serial No. 369,279; published Nov. 12, 1935. Class 6.
Royal Packing Co., Los Angeles, Calif. Canned vegetables. 331,964; Jan. 28; Serial No. 368,964; published Nov. 19, 1935. Class 46.
S A B Steels. (See Betz, Arthur R.)
Samson-United Corporation, Rochester, N. Y. Electric toasters. 332,012; Jan. 28; Serial No. 369,931; published Nov. 19, 1935. Class 21.
San-O-Klenze Laboratories. (See Luebbers, Ernest H.)
Santa Claus, Incorporated, Chicago, Ill., and Santa Claus, Ind. Greeting cards and decorative seals and stamps. 332,064; Jan. 28. Class 38.
Santa Cruz Portland Cement Company, San Francisco, Calif. Portland cement. 109,484; renewed Apr. 11, 1936.
Sapolin Co. Inc. (See Gerstendorfer Bros.)
Scholl Manufacturing Company, The, by change of name to The Scholl Mfg. Co. Inc., Chicago, Ill. Stockings. 108,958; renewed Mar. 7, 1936.
Scientific Model Airplane Co. (See Frisoli, Domenico.)
Security Shoe Supply Co. (See Weinstein, Leon.)
Seeman Brothers, Inc., New York, N. Y. Buttered ham and tongue. 331,949; Jan. 28; Serial No. 353,553; published Nov. 19, 1935. Class 46.
Seifert, H. M., Jr., Inc., doing business as Holme & Seifert, Los Angeles and Salinas, Calif. Fresh vegetables. 332,032; Jan. 28; Serial No. 368,980; published Nov. 19, 1935. Class 46.
Simmons Hardware Company, St. Louis, Mo. Aluminum double boilers, deep fat fryers, straight covered kettles, etc. 331,989; Jan. 28; Serial No. 368,462; published Nov. 19, 1935. Class 13.
Singer, Joseph B., assignor to Psoriatex Laboratories, Inc., Philadelphia, Pa. Skin preparation. 331,936; Jan. 28; Serial No. 361,064; published Nov. 12, 1935. Class 6.
Sloan, Simon D., doing business as Quaker Chemical Co., St. Paul, Minn. Solder, concentrated metallic preparation, a welding compound, etc. 332,047; Jan. 28; Serial No. 367,837; published Nov. 19, 1935. Class 6.
Smith & Davis Limited, Birmingham, England. Stair carpet clips, rods, buttons, etc. 331,935; Jan. 28; Serial No. 360,609; published Nov. 19, 1935. Class 13.
Society of Chemical Industry in Basle, Basel, Switzerland. Pharmaceutical product. 107,642-3; renewed Dec. 14, 1935.
Society of Chemical Industry in Basle, Basel, Switzerland. D'uretic. 331,976; Jan. 28; Serial No. 369,785; published Nov. 19, 1935. Class 6.
Society of Chemical Industry in Basle, Basel, Switzerland. Analgesic sedative and antipyretic. 331,977; Jan. 28; Serial No. 369,786; published Nov. 19, 1935. Class 6.
Society of Chemical Industry in Basle, Basel, Switzerland. Male sexual hormone. 331,978; Jan. 28; Serial No. 369,787; published Nov. 19, 1935. Class 6.
Society of Chemical Industry in Basle, Basel, Switzerland. Antispasmodic. 331,979; Jan. 28; Serial No. 369,788; published Nov. 19, 1935. Class 6.
Sollicide Laboratories. (See Linck, Otto E.)
Somebora, L., Sons, Inc., New York, N. Y. Petroleum products used as a base for cosmetics, etc. 331,928; Jan. 28; Serial No. 369,034; published Nov. 19, 1935. Class 6.
Sorensen, Martin, New York, N. Y. Medicinal preparation. 331,973; Jan. 28; Serial No. 368,584; published Nov. 19, 1935. Class 6.

Squibb, E. R., & Sons, New York, N. Y. Anesthetics. 332,006; Jan. 28; Serial No. 369,172; published Nov. 19, 1935. Class 6.

Standard Emulsion Company, New York, N. Y. Preparation of particular service in the dietetic treatment of wasting diseases. 107,456; renewed Nov. 30, 1935.

Standard Lime and Stone Company, The, Millville, W. Va., and Baltimore, Md. Rock wool. 332,053; Jan. 28; Serial No. 370,153; published Nov. 19, 1935. Class 1.

Standard Products Company, The, Cleveland, Ohio. Window runways or channel and tacking strips. 331,940; Jan. 28; Serial No. 367,537; published Nov. 19, 1935. Class 19.

Stanley Works, The, New Britain, Conn. Box strapping. 332,054; Jan. 28; Serial No. 370,153; published Nov. 19, 1935. Class 19.

Stanley Works, The, New Britain, Conn. Box strapping. 332,087; Jan. 28; Serial No. 370,181; published Nov. 19, 1935. Class 19.

Star Biscuits of America, Inc., Lowell, Mass. Crackers or biscuits. 332,090; Jan. 28; Serial No. 370,377; published Nov. 19, 1935; Class 46.

Steelcraft Piston Ring Company, Detroit, Mich. Piston rings. 332,060; Jan. 28.

Sterling Brewers, Inc., Evansville, Ind. Malt products and more particularly beer and ale. 332,040; Jan. 28; Serial No. 369,197; published Oct. 15, 1935. Class 48.

Stone & Andrew Inc., assignee, by mesne assignments, to John Carter & Company, Incorporated, Boston, Mass. Folding coated paper. 107,504; renewed Dec. 7, 1935.

Strohmeyer & Arpe Company, New York, N. Y. Foods. 109,879; renewed Apr. 18, 1936.

Sunset Distilling Company. (See Goldberg, Nat D.)

Superstat Company, Springfield, Mass. Thermostatic combustion controls for heating plants, pressure operating control mechanism involving use of thermostatic valves for heating, ventilating, etc. 331,947; Jan. 28; Serial No. 252,930; published Nov. 19, 1935. Class 34.

Tenver, Joe L., Birmingham, Ala. Maltless beverage and syrups, and extracts for making. 332,066; Jan. 28. Class 46.

Tenz, Limited, Paddington, London, England. Medicated deodorant tablets for human use for the breath. 331,926; Jan. 28; Serial No. 368,547; published Nov. 12, 1935. Class 6.

Tilton, E. R., doing business as E. R. Tilton & Co., Los Angeles, Calif. Charcoal, carbon, and activated carbon. 331,961-2; Jan. 28; Serial Nos. 355,231-2; published Nov. 19, 1935. Class 6.

Tokheim Oil Tank & Pump Co., Fort Wayne, Ind. Self-measuring pumps. 332,019; Jan. 28; Serial No. 369,863; published Nov. 19, 1935. Class 23.

Tunison, Richard G., doing business as R. G. Tunison Co., New York, N. Y. Sulphur and liver blood tonic. 331,970; Jan. 28; Serial No. 367,946; published Nov. 19, 1935. Class 6.

Twin Falls Milling & Elevator Co., The, Twin Falls, Idaho, and Denver, Colo., assignee to The Colorado Milling & Elevator Company, Denver, Colo. Self-rising wheat-flour. 109,621; renewed Apr. 11, 1936.

Ullmann, Bernhard, Co. Inc., New York, N. Y. Yarns for art needlework. 332,068; Jan. 28. Class 42.

Union Oil Company of California, San Francisco, to Union Oil Company of California, Los Angeles, Calif. Lubricating oils. 107,797; renewed Dec. 28, 1935.

United States Rubber Company, New York, N. Y. Golf balls. 332,027; Jan. 28; Serial No. 357,316; published Nov. 19, 1935. Class 22.

United States Wire Mat Company, by change of name to United States Manufacturing Corporation, Decatur, Ill. Fly-killers or hand devices for killing flies and other insects. 107,959; renewed Jan. 4, 1936.

Van Hall, Ralph R., doing business as Eyiax Laboratories, Peoria, Ill. Eye wash. 331,925; Jan. 28; Serial No. 368,466; published Nov. 12, 1935. Class 6.

Vitamin Products Company. (See Lee, Royal.)

Walgreen Co., Chicago, Ill. Cosmetic preparations. 331,957; Jan. 28; Serial No. 361,528; published Nov. 12, 1935. Class 6.

Walker, Charles, Clifton, N. J. Horse radish. 332,018; Jan. 28; Serial No. 369,865; published Nov. 19, 1935. Class 46.

Walker, Myron L., Company, Inc., Mount Vernon, N. Y. Preparation for the treatment of gastric hyperacidity, etc. 332,007; Jan. 28; Serial No. 369,115; published Nov. 19, 1935. Class 6.

Walker, Percy. (See Maurine Company, The, assignee.)

Washburne, James M., Candy Specialty Corporation, Long Island City, N. Y. Candy. 331,960-60; Jan. 28; Serial Nos. 366,504-5; published Nov. 19, 1935. Class 46.

Weinstein, Leon, doing business as Security Shoe Supply Co., St. Louis, Mo. Heel and toe plates for shoes. 331,964; Jan. 28; Serial No. 369,426; published Nov. 19, 1935. Class 13.

Wells Medicine Company, to W. B. Wilson, doing business as Wells Medicine Company, La Fayette, Ind., successor. Veterinary remedies. 109,274; renewed Oct. 15, 1935.

West Disinfecting Company, New York, N. Y., to West Disinfecting Company, Long Island City, N. Y. Disinfectants and insecticides. 114,185; renewed Jan. 14, 1936.

West Jersey Paper Manufacturing Company, The, Camden, N. J. Paper-board. 107,872-3; renewed Dec. 28, 1935.

Wheatley Mayonnaise Co., Louisville, Ky. Salad dressing, relish spread, French dressing, etc. 332,041; Jan. 28; Serial No. 370,140; published Nov. 19, 1935. Class 46.

White-Rodgers Optical Company, The, Columbus, Ohio. Optical lenses. 110,410; renewed May 22, 1936.

White Oven Food Products Co. (See Freedman, Milton W.)

White, S. S., Dental Manufacturing Company, Philadelphia, Pa. Dental castings. 332,022-3; Jan. 28; Serial Nos. 370,397-8; published Nov. 19, 1935. Class 44.

White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Dental plate, backings, disks, and shells. 332,024; Jan. 28; Serial No. 370,399; published Nov. 19, 1935. Class 44.

White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Dental plate and shells. 332,025; Jan. 28; Serial No. 370,400; published Nov. 19, 1935. Class 44.

White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Dental castings. 332,051; Jan. 28; Serial No. 370,396; published Nov. 19, 1935. Class 44.

Whitney-Eckstein Seed Co., Buffalo, N. Y. Seeds. 110,705-6; renewed June 6, 1936.

Wickwire Spencer Steel Company. (See Wright Wire Company, assignee.)

Wile, Julius, Sons & Co., assignee to Julius Wile Sons & Co., Inc., New York, N. Y. Perfumes. 107,509; renewed Dec. 7, 1935.

Wilmerding & Blount, New York, N. Y., assignee, by mesne assignments, to Pomona Manufacturing Company, Pomona, N. C. Cotton piece goods. 106,339; renewed Jan. 25, 1936.

Wilson Milling & Elevator Co., The, Wilson, Kans., and Denver, Colo., assignee to The Colorado Milling & Elevator Company, Denver, Colo. Wheat-flour. 109,622-6; renewed Apr. 11, 1936. Class 46.

Wilson, W. B. (See Wells Medicine Company.)

Wittenberg, M., & Co., Bunzlauburg, Czechoslovakia. Sliding fasteners. 332,044; Jan. 28; Serial No. 369,512; published Nov. 19, 1935. Class 11.

Wolf, Jacques, and Co., Passaic, N. J. Yellowish oily preparation, for use in the tanning and dressing of leather. 331,934; Jan. 28; Serial No. 367,482; published Nov. 19, 1935. Class 6.

Wolfsie Knitting Mills, Inc., New York, N. Y. Bathing suits, sweaters, suits, etc. 331,954; Jan. 28; Serial No. 368,642; published Nov. 19, 1935. Class 48.

Worthington Creamery & Produce Company, Worthington, Minn. Ice cream, baby chicks, and poultry. 111,871; Jan. 28; Serial No. 366,162; published Nov. 19, 1935. Class 46.

Wright Wire Company, Worcester, Mass., assignor, by mesne assignments, to Wickwire Spencer Steel Company, New York, N. Y. Woven-wire fabric and wire-cloth. 110,441; renewed May 12, 1936.

Wright Wire Company, Worcester, Mass., assignor, by mesne assignments, to Wickwire Spencer Steel Company, New York, N. Y. Wire-mesh fabric. 110,442; renewed May 12, 1936.

Wrisley, Wm., Jr., Company. (See Larson, L. P., Jr., Company, assignee.)

York Drug Co., Inc., New York, N. Y. Pills, tablets, powders, etc. 331,923; Jan. 28; Serial No. 367,470; published Nov. 12, 1935. Class 6.

Youngstown Paint and Glass Company, Youngstown, Ohio. Cleaner for walls, woodwork, automobiles, etc. 331,979; Jan. 28; Serial No. 369,729; published Nov. 19, 1935. Class 4.

LIST OF REGISTRANTS OF LABELS

Ben-Burk, Inc., Boston, Mass. Guest Decanter, Old Mr. Boston. For Nectars (Fruit Flavored Alcoholic Beverages). 46,999; Jan. 28.

Standard Brands Incorporated, New York, N. Y. Chase and Sanborn. For Coffee. 47,000; Jan. 28.

Yale Drug Co., Inc., New York, N. Y. Guaranteed Prescription. For Prescriptions. 47,001; Jan. 28.

LIST OF REGISTRANTS OF PRINTS

Simon Millinery Co., San Francisco, Calif. Meadowbrook Presents 'Span-Tex'. For Sport Hats. 15,845; Jan. 28.

Simon Millinery Co., San Francisco, Calif. Meadowbrook Presents 'Shiredon'. For Cocktail and Sport Hats. 15,884; Jan. 28.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Birds, Canary. R. T. French Company. 332,054-5; Jan. 28; Serial No. 370,153-4; published Nov. 19, 1935.

Coal. Lisohan & Molo. 332,001; Jan. 28.

Coal. Old Ben Coal Corporation. 332,026; Jan. 28; Serial No. 370,497; published Dec. 10, 1935.

Coal. J. P. Rosenfeld. 332,001; Jan. 28; Serial No. 369,344; published Nov. 19, 1935.

Plastic material in the form of sheets, rods, etc., Hardened. Catalin Corporation of America. 332,011; Jan. 28; Serial No. 369,946; published Nov. 19, 1935.

Rock wool. Standard Lime and Stone Company. 332,053; Jan. 28; Serial 370,153; published Nov. 19, 1935.

Seeds. Whitney-Eckstein Seed Co. 110,705-6; renewed June 6, 1936.

CLASS 2

Leather goods. Amity Leather Products Co. 110,103; renewed May 2, 1936.

CLASS 4

Cleaner for walls, woodwork, automobiles, etc. Youngstown Paint and Glass Company. 331,979; Jan. 28; Serial No. 369,729; published Nov. 19, 1935.

Cream and shaving soap, Shaving. Conrad Razor Blade Co. Inc. 331,962; Jan. 28; Serial No. 369,694; published Nov. 19, 1935.

Detergent compound for general washing and cleansing. Lever Brothers Company. 332,020-21; Jan. 28; Serial No. 369,416-17; published Nov. 19, 1935.

CLASS 6

Analgesic, sedative and antipyretic. Society of Chemical Industry in Basle. 331,977; Jan. 28; Serial No. 369,180; published Nov. 19, 1935.

Anesthetics. E. R. Squibb & Sons. 332,006; Jan. 28; Serial No. 369,172; published Nov. 19, 1935.

Antispasmodic. Society of Chemical Industry in Basle. 331,979; Jan. 28; Serial No. 369,766; published Nov. 19, 1935.

Bath salts, hair tonic, brilliantine, etc. Christy Inc. 331,992; Jan. 28; Serial No. 347,223; published Nov. 19, 1935.

Capsules, Pink oil. Master Laboratories, Inc. 331,963; Jan. 28; Serial No. 366,911; published Nov. 19, 1935.

Charcoal, carbon, and activated carbon. E. R. Tilton. 331,961-2; Jan. 28; Serial Nos. 355,231-2; published Nov. 19, 1935.

Chemical compound adapted to be introduced into warm internal combustion engines. R. C. Ling. 331,977; Jan. 28; Serial No. 369,033; published Nov. 19, 1935.

Compound for bleaching, deodorizing, and disinfecting, etc. Mo-Way Wash Products Corp. 331,973; Jan. 28; Serial No. 366,974; published Nov. 19, 1935.

Cosmetic preparations. Walgreen Co. 331,957; Jan. 28; Serial No. 361,528; published Nov. 12, 1935.

Creams, freckle cream, face powder, etc., Facial. Maurine Company. 331,927; Jan. 28; Serial No. 368,140; published Nov. 12, 1935.

Deodorant tablets, Medicated. Tenz, Limited. 331,926; Jan. 28; Serial No. 368,547; published Nov. 12, 1935.

Disinfectants and insecticides. West Disinfecting Company. 109,185; renewed Jan. 14, 1936.

Diuretic. Society of Chemical Industry in Basle. 331,976; Jan. 28; Serial No. 368,765; published Nov. 19, 1935.

Eye wash. R. R. Van Hall. 331,925; Jan. 28; Serial No. 368,466; published Nov. 12, 1935.

Gas absorbent materials. Carbide and Carbon Chemicals Corporation. 332,009; Jan. 28; Serial No. 369,366; published Nov. 19, 1935.

Hair-pomade. M. B. Hamilton. 109,249; renewed Apr. 4, 1936.

Halibut liver oil and cod liver oil preparation. Norwich Pharmacal Company. 331,939; Jan. 28; Serial No. 362,223; published Apr. 16, 1935.

Insecticides. O. R. Linch. 331,959; Jan. 28; Serial No. 368,954; published Nov. 19, 1935.

Laxative. Green Cross Pharmaceutical Products, Inc. 331,991; Jan. 28; Serial No. 368,413; published Nov. 12, 1935.

Liquid vehicle serving as a base for other medicinal ingredients. Green Cross Pharmaceutical Products, Inc. 331,985; Jan. 28; Serial No. 368,409; published Nov. 12, 1935.

Male sexual hormone. Society of Chemical Industry in Basle. 331,978; Jan. 28; Serial No. 369,767; published Nov. 19, 1935.

Medicated preparation. S. Rosella. 332,029; Jan. 28; Serial No. 369,379; published Nov. 12, 1935.

Medicinal preparation. M. Sorensen. 331,978; Jan. 28; Serial No. 368,584; published Nov. 19, 1935.

Medicinal products. F. A. Guilamon. 331,995; Jan. 28; Serial No. 366,618; published Nov. 12, 1935.

Medicinal tablets. Michael Hart & Company Limited. 331,996; Jan. 28; Serial No. 368,622; published Nov. 12, 1935.

Medicine, kidney and bladder medicine, etc., Blood. R. N. French. 331,944; Jan. 28; Serial No. 368,962; published Nov. 19, 1935.

Nasal oil. Purpoll Laboratories, Inc. 331,965; Jan. 28; Serial No. 368,634; published Nov. 19, 1935.

Nose drops. Green Cross Pharmaceutical Products, Inc. 331,987; Jan. 28; Serial No. 368,411; published Nov. 12, 1935.

Oils suitable for perfuming purposes, Natural and synthetic essential. Fritzsche Brothers, Inc. 332,004; Jan. 28; Serial No. 369,225; published Nov. 19, 1935.

Petroleum products used as a base for cosmetics, etc. L. Sonneborn Sons, Inc. 331,928; Jan. 28; Serial No. 369,094; published Nov. 19, 1935.

Pharmaceutical product. Society of Chemical Industry in Basle. 107,647-8; renewed Dec. 14, 1935.

Pills, tablets, powders, etc. York Drug Co. 331,923; Jan. 28; Serial No. 367,470; published Nov. 12, 1935.

Powder, Medicinal. La Compagnie Pharmaceutique Desbergers. 331,967; Jan. 28; Serial No. 368,749; published Nov. 12, 1935.

Powder used for feminine hygiene. E. H. Luebbers. 332,049; Jan. 28; Serial No. 367,945; published Nov. 19, 1935.

Preparation for cancers, ulcers, and tumors. B. H. Green. 110,210; renewed May 9, 1936.

Preparation for diseases and ailments of the feet, External. Atex Laboratories, Inc. 332,043; Jan. 28; Serial No. 369,521; published Nov. 19, 1935.

Preparation for lung, throat, and intestinal diseases. Delson Chemical Co. 107,778; renewed Dec. 28, 1935.

Preparation for the treatment of gastric hyperacidity etc. Myron L. Walker Company. 332,007; Jan. 28; Serial No. 369,115; published Nov. 19, 1935.

Preparation for the treatment of hay fever, catarrh of the head, asthma, etc. L. C. Inman. 331,988; Jan. 28; Serial No. 368,071; published Nov. 12, 1935.

Preparation for use as a non-poisonous, non-escharatic, germicidal hemostat, bacteriostat, astringent, etc., Liquid. J. W. King. 332,060; Jan. 28; Serial No. 367,563; published Nov. 19, 1935.

Preparation for use as an alterative and antiseptic, etc. C. E. Clark. 332,042; Jan. 28; Serial No. 369,524; published Nov. 19, 1935.

Preparation for use in the tanning and dressing of leather, Yellowish oily. Jacques Wolf and Co. 331,934; Jan. 28; Serial No. 367,482; published Nov. 19, 1935.

Preparation of particular service in the dietetic treatment of wasting diseases. Standard Emulsion Company. 107,456; renewed Nov. 30, 1935.

Remedies, Veterinary. Wells Medicine Company. 109,274; renewed Oct. 15, 1935.

Remedy for gouty and rheumatic diseases and neuralgic affections. Farbwerke vorm. Meister Lucius & Brüning. 109,160; renewed Mar. 21, 1936.

Rouge. Richard Hudnut. 109,687; renewed Apr. 11, 1936.

Shampoo for the hair. Fairytoot Products Company. 331,924; Jan. 28; Serial No. 368,170; published Nov. 12, 1935.

Skin preparation. J. E. Singer. 331,986; Jan. 28; Serial No. 361,064; published Nov. 12, 1935.

Sodium hydrate, sodium carbonate, sodium bicarbonate, etc. Innis, Speiden & Company. 331,999; Jan. 28; Serial No. 369,277; published Nov. 19, 1935.

Solder, concentrated metallic preparation, a welding compound, etc. E. D. Sloan; 332,047; Jan. 28; Serial No. 367,837; published Nov. 19, 1935.

Tonic, General. Green Cross Pharmaceutical Products, Inc. 331,986; Jan. 28; Serial No. 368,410; published Nov. 12, 1935.

Tonic, Medicinal. A. G. Dorsey. 107,831; renewed Jan. 4, 1936.

Tonic, nose drops, a laxative, etc., General. Green Cross Pharmaceutical Products, Inc. 331,990; Jan. 28; Serial No. 368,415; published Nov. 12, 1935.

Tonic, Sulphur and liver blood. R. G. Tunison. 331,970; Jan. 28; Serial No. 367,946; published Nov. 19, 1935.

Vitamin tablet, Concentrated food. R. Lee. 331,921; Jan. 28; Serial No. 368,107; published Nov. 12, 1935.
Wave solution, soapless oil shampoo, finger waving powder, etc., Permanent. Regal Company. 331,950; Jan. 28; Serial No. 355,039; published Nov. 12, 1935.

CLASS 12

Cement, Portland. Santa Cruz Portland Cement Company. 109,484; renewed Apr. 11, 1936.
Building and roofing material, Waterproof and weatherproof. Paraffine Paint Company. 108,657; renewed Feb. 22, 1936.
Solution to accelerate and harden ordinary concrete. Holdeman & Son. 332,063; Jan. 28.

CLASS 13

Aluminum double boilers, deep fat fryers, straight covered kettles, etc. Simmons Hardware Company. 331,980; Jan. 28; Serial No. 368,462; published Nov. 19, 1935.
Carpet clips, rods, buttons, etc., Stair. Smith & Davis Limited. 331,935; Jan. 28; Serial No. 360,009; published Nov. 19, 1935.
Fasteners, Sliding. H. Wittenburg & Co. 332,044; Jan. 28; Serial No. 369,512; published Nov. 19, 1935.
Plates for shoes, Heel and toe. L. Weinstein. 331,984; Jan. 28; Serial No. 369,638; published Nov. 19, 1935.
Strapping, Box. Stanley Works. 332,037; Jan. 28; Serial No. 370,151; published Nov. 19, 1935.
Strapping, Box. Stanley Works. 332,054; Jan. 28; Serial No. 370,152; published Nov. 19, 1935.
Wire fabric and wire-cloth. Wright Wire Company. 110,441; renewed May 23, 1936.

CLASS 14

Alloys and alloying metals used in the manufacture of special steels. Electro Metallurgical Company. 108,965; renewed Feb. 29, 1936.
Iron and steel sheets and plates and tin and terne plates. American Sheet and Tin Plate Company. 109,207; renewed Mar. 28, 1936.
Steel bars, Carbon and alloy. A. B. Bets. 331,996; Jan. 28; Serial No. 369,293; published Nov. 19, 1935.
Welding-rods. Oxweld Acetylene Company. 108,012; renewed Feb. 15, 1936.

CLASS 15

Oils, Lubricating. Union Oil Company of California. 107,797; renewed Dec. 28, 1935.

CLASS 16

Paint, Ready-mixed. Oliver Johnson & Company. 108,519–20; renewed Feb. 15, 1936.
Paints and painters' materials. Gerstendorfer Bros. 110,399; renewed May 23, 1936.
Polish and cleaners, paints, varnishes, etc. S. H. Kress and Company. 331,994; Jan. 28; Serial No. 366,662; published Oct. 15, 1935.

CLASS 17

Cigars. A. Kafka & Co. Inc. 331,968; Jan. 28; Serial No. 369,490; published Nov. 19, 1935.
Tobies. Industrial Cigar Co. 109,898; renewed Apr. 25, 1936.

CLASS 19

Automobiles. Lincoln Motor Company. 332,052; Jan. 28; Serial No. 370,351; published Nov. 19, 1935.
Window runways or channel and tacking strips. Standard Products Company. 331,940; Jan. 28; Serial No. 362,537; published Nov. 19, 1935.

CLASS 21

Batteries, Electric storage. American Auto upply Co. Inc. 332,014; Jan. 28; Serial No. 369,904; published Nov. 19, 1935.
Electric toasters. Samson-United Corporation. 332,012; Jan. 28; Serial No. 369,931; published Nov. 19, 1935.
Signs, Electrically illuminated. Neon Product, Inc. 331,983; Jan. 28; Serial No. 369,623; published Nov. 19, 1935.
Welding electrodes formed of carbon. Lincoln Electric Company. 331,954; Jan. 28; Serial No. 356,445; published Nov. 19, 1935.

CLASS 22

Balls, Inflated game. P. Goldsmith Sons Co. 332,065; Jan. 28.
Golf balls. United States Rubber Company. 332,027; Jan. 28; Serial No. 357,316; published Nov. 19, 1935.
Toys. D. Frisoli. 332,070; Jan. 28.

CLASS 23

Apparatus for treatment of solids suspended in liquids and more particularly for sedimentation apparatus such as clarifiers, etc. Dorr Company. 332,008; Jan. 28; Serial No. 369,957; published Nov. 19, 1935.
Check-protectors, Mechanical. Hedman Manufacturing Company. 108,791; renewed Feb. 29, 1936.
Machine tools. Brown & Sharpe Manufacturing Company. 332,013; Jan. 28; Serial No. 369,909; published Nov. 19, 1935.
Presses, Printing. Babcock Printing Press Manufacturing Company. 108,323; renewed Feb. 1, 1936.
Saws. Ohlen-Bishop Comp. y, The. 332,016; Jan. 28; Serial No. 369,894; published Nov. 19, 1935.
Screen plates, evaporator tubes, suction box covers, etc., in the paper making industry. Chromium Corporation of America. 332,017; Jan. 28; Serial No. 369,878; published Nov. 19, 1935.

CLASS 25

Locks and lock-dials. Nydia Bank Lock Company. 110,034; renewed May 2, 1936.

CLASS 26

Cameras. Perma Cameras Limited. 332,015; Jan. 28; Serial No. 369,895; published Nov. 19, 1935.
Lenses, Optical. White-Haines Optical Company. 110,410; renewed May 23, 1936.
Measuring and scientific appliances. Nitsche & Günther Optische Werke. 108,440; renewed Feb. 8, 1936.
Pumps, Self-measuring. Tokheim Tank & Pump Co. 332,019; Jan. 28; Serial No. 369,863; published Nov. 19, 1935.

CLASS 28

Brushes. International Silver Company. 331,942; Jan. 28; Serial No. 362,374; published Nov. 19, 1935.

CLASS 31

Trays used as refrigerating units, Ice. Inland Manufacturing Company. 332,055; Jan. 28.

CLASS 33

Bed-springs. Moore Manufacturing Company. 110,580; renewed May 30, 1936.

CLASS 34

Burners, Oil. Electric Refrigerator Sales Corp. 331,970; Jan. 28; Serial No. 367,236; published Nov. 19, 1935.
Thermostatic combustion controls for heating plants, pressure operating control mechanism involving use of thermostatic valves for heating, ventilating, etc. Superstat Company. 331,948; Jan. 28; Serial No. 352,936; published Nov. 19, 1935.

CLASS 35

Belting, Leather. George Rahmann & Co. 109,306; renewed Jan. 25, 1936.
Belting, Leather. Geo. Rahmann & Co. 109,123; renewed Mar. 21, 1936.
Belting, Leather. Geo. Rahmann & Co. 109,843; renewed Apr. 18, 1936.
Piston rings. Steelcraft Piston Ring Company. 332,060; Jan. 28.

CLASS 37

Paper-board. West Jersey Paper Manufacturing Company. 107,872–3; renewed Dec. 28, 1935.
Paper, Folding coated. Stone & Andrew Inc. 107,594; renewed Dec. 7, 1935.
Paper tablets. Osborn Paper Company. 110,219; renewed May 9, 1936.
Paper-toweling, and wrapping-paper in rolls and interfolded packs, Toilet. Northern Paper Mills. 110,509; renewed May 30, 1936.
Paper, White writing. American Lithographing & Printing Company. 109,627 renewed Apr. 11, 1936.

CLASS 38

Cards and decorative seals and stamps, Greeting. Santa Claus, Incorporated. 332,064; Jan. 28.

CLASS 39

Apparel, Men's and boys' wearing. Greenspoon Clothing Co. 331,963; Jan. 28; Serial No. 368,932; published Nov. 19, 1935.
Blouses and dresses. Blousecraft Company. 331,971; Jan. 28; Serial No. 367,967; published Nov. 19, 1935.
Boots and shoes, rubber overshoes, etc., Rubber. Hood Rubber Co. 107,337; renewed Nov. 28, 1935.
Breeches, Jodhpurs, and riding coats, etc., Riding. I. C. Isaacs & Company. 332,003; Jan. 28; Serial No. 369,229; published Nov. 19, 1935.
Clothing, Men's. Gordon Clothing Co. 331,949; Jan. 28; Serial No. 363,281; published Nov. 19, 1935.
Clothing, Women's. Keller-Kohn Co. Inc. 331,941; Jan. 28; Serial No. 362,629; published Nov. 19, 1935.
Coats and suits for girls, misses and ladies. Hollywood Girls Coat Co. 331,962; Jan. 28; Serial No. 367,353; published Nov. 19, 1935.
Dresses, blouses, and waists, Ladies'. Lerner Browne Co. 332,045; Jan. 28; Serial No. 369,065; published Nov. 19, 1935.
Hosiery. Baer Brand Hosiery Co. 331,967; Jan. 28; Serial No. 369,474; published Nov. 19, 1935.
Hosiery, Plymouth Wholesale Dry Goods Corp. 331,969; Jan. 28; Serial No. 369,503; published Nov. 19, 1935.
Neckties and four in hand ties, C. Markewitz. 332,002; Jan. 28; Serial No. 369,234; published Nov. 19, 1935.
Slips, Women's. Brown Co. Inc. 331,961; Jan. 28; Serial No. 368,917; published Nov. 19, 1935.
Stockings. Scholl Manufacturing Company. 108,963; renewed Mar. 7, 1936.
Suits, coats, vests, et. H. Makransky and Sons, Inc. 332,005; Jan. 28; Serial No. 369,197; published Nov. 19, 1935.
Suits, gym shorts, gym knickers, etc., Gym. H. R. Myers Co. Ltd. 331,961; Jan. 28; Serial No. 369,877; published Nov. 19, 1935.
Suits, sweaters, suits, etc., Bathing. Wolfsie Knitting Mills, Inc. 331,956; Jan. 28; Serial No. 368,642; published Nov. 19, 1935.

CLASS 42

Corduroy. New York Mills Corporation. 110,292; renewed May 16, 1936.
Cotton dress fabrics. N. Erlanger, Blumgart & Co. 110,534; renewed May 30, 1936.

Cotton, linen, silk, and woolen piece goods. Nashawena Mills. 110,025; renewed May 2, 1936.
Cotton piece goods. N. Erlanger, Blumgart & Co. 110,535; renewed May 30, 1936.
Cotton piece goods. Wilmerding & Bisset. 108,319; renewed Jan. 25, 1936.
Lace piece goods. Samuel Ehrman & Co. 332,007; Jan. 28.
Piece goods. Celanese Corporation of America. 332,057; Jan. 28.
Rugs, Textile. A. & M. Karagheusian, Inc. 109,538; renewed Apr. 11, 1936.
Wool and cotton crash piece goods. N. Erlanger, Blumgart & Co. 108,090; renewed Jan. 18, 1936.

CLASS 43

Thread and/or yarn of regenerated cellulose. North American Rayon Corporation. 332,056; Jan. 28.
Threads, in skeins and balls, for embroidery. Campbell, Metzger & Jacobson. 109,715; renewed Apr. 18, 1936.
Yarn. Belding Heminway Company. 332,058; Jan. 28.
Yarns for art needlework. Bernhard Ulmann Co. Inc. 332,049; Jan. 28.

CLASS 44

Bandaging material. Adolph Lindner Gesellschaft mit beschränkter Haftung. 108,526; renewed Feb. 15, 1936.
Dental castings. S. S. White Dental Manufacturing Company. 332,023–3; Jan. 28; Serial Nos. 370,397–8; published Nov. 19, 1935.
Dental castings. S. S. White Dental Manufacturing Company. 332,051; Jan. 28; Serial No. 370,396; published Nov. 19, 1935.
Dental plate and shells. S. S. White Dental Manufacturing Company. 332,025; Jan. 28; Serial No. 370,400; published Nov. 19, 1935.
Dental plate backings, disks, and shells. S. S. White Dental Manufacturing Company. 332,024; Jan. 28; Serial No. 370,399; published Nov. 19, 1935.
Impression material for dental purposes, Elastic. Goldsmith Bros. Smelting & Refining Co. 332,049; Jan. 28; Serial No. 367,701; published Nov. 19, 1935.
Inhaler devices. Detroit Cover Company. 331,945; Jan. 28; Serial No. 364,363; published Nov. 19, 1935.
Nipples. C. W. Meinecke. 110,469; renewed May 22, 1936.

CLASS 45

Beverage and syrups and extracts for making, Maltless. J. L. Teaver. 332,066; Jan. 28.

CLASS 46

Apples and pears, Fresh. Sam Birch Company. 332,010; Jan. 28; Serial No. 369,951; published Nov. 19, 1935.
Bread. Miami Baking Co. 332,038; Jan. 28; Serial No. 368,303; published Nov 19, 1935.
Butter. Frederick F. Lowenfels & Son. 332,039; Jan. 28; Serial No. 368,228; published Nov. 19, 1935.
Candy. James W. Washburne Candy Specialty Company. 331,959–60; Jan. 28; Serial Nos. 368,908–9; published Nov. 19, 1935.
Canned beans and tomatoes. Farmers Federation, Incorporated. 331,953; Jan. 28; Serial No. 355,759; published Nov. 12, 1935.
Canned figs. J. H. Gary. 331,966; Jan. 28; Serial No. 369,351; published Nov. 19, 1935.
Canned fish. Kelley-Clarke Co. 332,036; Jan. 28; Serial No. 370,144; published Nov. 19, 1935.
Canned fish and canned sardines. Chr. Bjelland & Co. 109,560; renewed Mar. 21, 1936.
Canned fruits and vegetables. McClintock-Trunkey Co. 110,468; renewed May 23, 1936.
Canned vegetables. Royal Packing Co. 331,964; Jan. 28; Serial No. 368,954; published Nov. 19, 1935.
Cantaloupe, vegetables, fruits and grapes. Jack Bros. & McBurney Co. 331,974; Jan. 28; Serial No. 368,616; published Nov. 19, 1935.
Chili sauce, sandwich spread, macaroni, etc. Hill Brothers, Inc. 331,960; Jan. 28; Serial No. 369,572; published Nov. 19, 1935.
Coffee. Albert Ehlers, Inc. 331,997; Jan. 28; Serial No. 369,296; published Nov. 19, 1935.
Coffee, Fresh, roasted. E. L. Buehler. 331,962; Jan. 28; Serial No. 368,918; published Nov. 19, 1935.
Crackers or biscuits. Star Biscuits of America, Inc. 332,030; Jan. 28; Serial No. 359,377; published Nov. 19 1935.
Eggs, milk, butter, etc. B. Knoblauch. 331,938; Jan. 28; Serial No. 362,147; published Nov. 19, 1935.
Flavoring composition and dressing to be added to ground meats. Griffith Laboratories, Inc. 332,060; Jan. 28.
Flour, Self-rising wheat. Twin Falls Milling & Elevator Co. 109,621; renewed Apr. 11, 1936.
Flour, Wheat. Ballard & Ballard Co. 331,931; Jan. 28; Serial No. 367,336; published Nov. 19, 1935.
Flour, Wheat. Husler Milling & Elevator Co. 110,128; renewed May 2, 1936.
Flour, Wheat. Loveland Milling & Elevator Company. 110,135; renewed May 2, 1936.
Flour, Wheat. Wilson Milling & Elevator Co. 109,623–4; renewed Apr. 11, 1936.
Flour, White. New Century Company. 107,496; renewed Dec. 7, 1935.
Foods. Strohmeyer & Arpe Company. 100,879; renewed Apr. 18, 1936.
Fruit, Fresh citrus. Anaheim Community Growers. 331,965; Jan. 28; Serial No. 369,321; published Nov. 19, 1935.
Fruit, Fresh deciduous. Maxwell & O'Brien. 332,028; Jan. 28; Serial No. 357,913; published Nov. 19, 1935.
Gum, Chewing. American Chicle Company. 332,033; Jan. 28; Serial No. 370,034; published Nov. 19, 1935.
Gum, Chewing. L. P. Larson Jr. Company. 107,789; renewed Dec. 28, 1935.
Ham and tongue, buttered. Seeman Brothers, Inc. 331,949; Jan. 28; Serial No. 353,558; published Nov. 19, 1935.
Horse radish. C. Walker. 332,018; Jan. 28; Serial No. 369,865; published Nov. 19, 1935.
Ice cream, baby chicks, and poultry. Worthington Creamery & Produce Company. 331,923; Jan. 28; Serial No. 368,162; published Nov. 19, 1935.
Ice cream, Ice cream powders. H. C. Brill Co. 331,946; Jan. 28; Serial No. 340,430; published Nov. 19, 1935.
Lemons, oranges, and grape-fruit. Charter Oak Citrus Association. 108,984–5; renewed Mar. 14, 1936.
Lemons, oranges, and grape-fruit. Charter Oak Citrus Association. 109,202; renewed Mar. 28, 1936.
Olive-oil. Nasiaces Importing Co. 107,930; renewed Jan. 4, 1936.
Oranges, lemons, and grape-fruit. Charter Oak Citrus Association. 110,274; renewed May 9, 1936.
Peanut butter. Hill Brothers, Inc. 332,041; Jan. 28; Serial No. 369,571; published Nov. 19, 1935.
Potato chips and baking products. M. W. Freedman. 331,929; Jan. 28; Serial No. 369,053; published Nov. 19, 1935.
Salad dressing, relish spread, French dressing, etc. Wheatley Mayonnaise Co. 332,031; Jan. 28; Serial No. 359,830; published Nov. 19, 1935.
Salad oil. Bisbee Corporation. 332,008; Jan. 28; Serial No. 369,990; published Nov. 19, 1935.
Sugar, Confectioners'. Franklin Sugar Refining Company. 107,706; renewed Dec. 21, 1935.
Vegetables, Fresh. E. M. Seifert, Jr., Inc. 332,032; Jan. 28; Serial No. 368 989; published Nov. 19, 1935.

CLASS 47

Wine, Port. Julius Wile, Sons & Co. 107,506; renewed Dec. 7, 1935.
Wines. California Fruit Products Co. 331,947; Jan. 28; Serial No. 351,289; published Nov. 27, 1934.
Wines. M. Levinson. 332,048; Jan. 28; Serial No. 367,723; published Nov. 19, 1935.

CLASS 48

Malt products, and more particularly beer and ale. Sterling Brewers, Inc. 332,040; Jan. 28; Serial No. 368,197; published Oct. 15, 1935.

CLASS 49

Apple jack. Old Bergen Distilleries, Inc. 332,059; Jan. 28.
Cordials, sloe gin liqueurs, etc. N. D. Goldberg. 332,062; Jan. 28.
Gins, whiskies, and alcoholic cordials. Kraus Bros. & Co. 332,071; Jan. 28.

CLASS 50

Fly-killers or hand devices for killing flies and other insects. United States Wire Mat Company. 107,980; renewed Jan. 4, 1936.

LIST OF LABELS

Chase and Sanborn. For Coffee. Standard Brands Incorporated. 47,000; Jan. 28.
Guaranteed Prescription. For Prescriptions. Yale Drug Co. 47,001; Jan. 28.
Guest Decanter, Old Mr. Boston. For Nectars (Fruit Flavored Alcoholic Beverages.) Ben-Burk, Inc. 46,999; Jan. 28.

LIST OF PRINTS

Meadowbrook Presents 'Shirredon'. For Cocktail and Sport Hats. Simon Millinery Co. 15,566; Jan. 28.
Meadowbrook Presents 'Span-Tex'. For Sport Hats. Simon Millinery Co. 15,565; Jan. 28.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Decal Corporation, The. (See McNutt, James F., assignor.)
American Steel Foundries. (See Bamitt, Walter H., assignor.)
Bamitt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Brake mechanism. 19,835; Jan. 28.
Chemical Construction Corporation. (See Hochsteinfeiger, Ingenuin, assignor.)
G. B. G. Corporation. (See Graf, Elmer J., assignor.)
Graf, Elmer J., Roselle Park, N. J., assignor to G. B. G. Corporation, Newark, N. J. Illuminated ornamental device for decorative purposes. 19,838; Jan. 28.
Hochsteinfeiger, Ingenuin, deceased, Charlotte, N. C., by Chemical Construction Corporation, New York, N. Y., assignee. Nitric acid concentration. 19,837; Jan. 28.
McKinstry, Bruce L., Entiat, Wash. Fruit press. 19,839; Jan. 28.
McNutt, James F., Cleveland, Ohio, assignor to The American Decal Corporation, Youngstown, Ohio. Decalcomania. 19,839; Jan. 28.
Woodall, Herbert J., assignor to Woodall Industries Incorporated, Detroit, Mich. Laminated panel and fabrication. 19,840; Jan. 28.
Woodall Industries Incorporated. (See Woodall, Herbert J., assignor.)

LIST OF DESIGN PATENTEES

Aciilo Stamping Company, The. (See Earley, Samuel C., assignor.)
Acme Air Appliance Company. (See Longstreet, Walter H., assignor.)
Amato, Giuseppe, New Britain, Conn. Serving bit. 98,280; Jan. 28.
American Lace Mfg. Co., The. (See Hucknall, Hage W., assignor.)
American Optical Company. (See Sylvine, Edward M., assignor.)
Arc Equipment Corporation, The. (See Glaier, Charles W., assignor.)
Babcock, Alfred E., Chicago, Ill. Nonrepeating indicator. 98,281; Jan. 28.
Bahr, Gustave F., Fairfield, Conn. Feeder guide. 98,288; Jan. 28.
Baldwin, Haviland D., Auburn, Maine. Shoe. 98,289; Jan. 28.
Bancroft Walker Co. (See Borda, Pasquale, assignor.)
Bancroft Walker Co. (See McGee, Joseph, assignor.)
Barbiere, Ferdinand S., assignor to General Glass Corporation, Lancaster, Ohio. Bottle. 98,302; Jan. 28.
Barber Bros. Incorporated. (See Pilgrimsky, Marshall C., assignor.)
Bathke, Edwin R. (See Inglis, W. A., and Bathke.)
Bohannon, Lloyd J., Kansas City, Mo. Combination weiner roasting apparatus and display housing. 98,290; Jan. 28.
Borda, Pasquale, Brooklyn, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. 98,291; Jan. 28.
Borda, Pasquale, Brooklyn, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. 98,301; Jan. 28.
Botany Worsted Mills. (See Gaul, John F., Jr., assignor.)
Briggs Manufacturing Company. (See Tinarda, John.)
Brothers, Abe E., Brooklyn, N. Y. Necktie rack. 98,283; Jan. 28.
Brown & Sharpe Manufacturing Company. (See Graves, Benjamin P., assignor.)
Burtman, Morris. (See Liberty, Normand P., assignor.)
Clark, Jeddie B., assignor to Indiana Glass Company, Dunkirk, Ind. Glass. 98,292; Jan. 28.
Cooley, Kenneth L., Rochester, N. Y. Book end. 98,284; Jan. 28.
Daniels, Amy J., Palmer, Mass. Emblem. 98,294; Jan. 28.
Dopyera, Rudolph, Los Angeles, Calif. Musical instrument. 98,295; Jan. 28.
Dopyera, Rudolph, Los Angeles, Calif. Musical instrument. 98,296; Jan. 28.
Dura Company. (See Floraday, Burton S., assignor.)
Earley, Samuel C., assignor to The Acklin Stamping Company, Toledo, Ohio. Display rack. 98,297; Jan. 28.
Edson, Bert, Pawtucket, R. I. Lace. 98,298; Jan. 28.
Edison, Harry J., Kasson, Minn. Combined salt and pepper shaker. 98,299; Jan. 28.
Emmey, Charles, New York, N. Y. Appliqué emblem or similar article for wearing apparel. 98,300; Jan. 28.
Emmey, Charles, New York, N. Y. Appliqué emblem or similar article for wearing apparel. 98,301; Jan. 28.
Emmey, Charles, New York, N. Y. Appliqué emblem or similar article for wearing apparel. 98,302; Jan. 28.
Emmey, Charles, New York, N. Y. Appliqué emblem or similar article for wearing apparel. 98,303; Jan. 28.
Emmey, Charles, New York, N. Y. Appliqué emblem or similar article for wearing apparel. 98,304; Jan. 28.
Emmey, Charles, New York, N. Y. Appliqué emblem or similar article for wearing apparel. 98,305; Jan. 28.
Emmey, Charles, New York, N. Y. Decorative alphabet for forming monograms for wearing apparel or similar article. 98,285; Jan. 28.
Evans Case Company. (See Gibson, Thomas M., assignor.)
Evans Case Company. (See Lawrence, Cecil H., assignor.)
Farnum, John A., Worcester, Mass. Boot hook. 98,286; Jan. 28.
Faulhaber, Roland W., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Cycle saddle seat. 98,306; Jan. 28.
Faulhaber, Roland W., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Cycle saddle seat. 98,307; Jan. 28.
Faulhaber, Roland W., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Cycle saddle seat. 98,308; Jan. 28.
Faulhaber, Roland W., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Cycle saddle seat. 98,309; Jan. 28.
Faulhaber, Roland W., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Cycle saddle seat. 98,310; Jan. 28.
Fishman, Jacob, Brooklyn, N. Y., assignor to Geo. E. Keith Company, Campello, Mass. Shoe. 98,307; Jan. 28.
Floraday, Burton S., assignor to Dura Company, Toledo, Ohio. Dome light. 98,308; Jan. 28.
Fox, Jerome J., New York, N. Y. Glove. 98,291; Jan. 28.
Franklin, Simon, & Co. (See Woolfe, William S., assignor.)
Gaul, John F., Jr., Clifton, assignor to Botany Worsted Mills, Passaic, N. J. Textile fabric or similar article of manufacture. 98,309; Jan. 28.
Gehring, Frank, New York, N. Y. Lace. 98,292; Jan. 28.
General Electric Company. (See Gosling, Joseph W., assignor.)
General Glass Corporation. (See Barbiere, Ferdinand S., assignor.)
Gibson, Thomas M., assignor to Evans Case Company, North Attleboro, Mass. Pocket lighter or the like. 98,293; Jan. 28.
Glaier, Charles W., assignor to The Arc Equipment Corporation, Bryan, Ohio. Greasing apparatus cabinet. 98,310; Jan. 28.
Goldman, Myron S., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 98,311; Jan. 28.
Goldman, Myron S., assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 98,312; Jan. 28.
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lighting unit. 98,294; Jan. 28.
Graves, Benjamin P., Cranston, R. I., assignor to Brown & Sharpe Manufacturing Company. Milling machine standard. 98,296; Jan. 28.
Gray, Frank W., assignor to Mission Dry Corporation, Los Angeles, Calif. Bottle. 98,296; Jan. 28.
Griswold Manufacturing Company, The. (See Griswold, Roger W., assignor.)
Griswold, Roger W., assignor to The Griswold Manufacturing Company, Erie, Pa. Food chopper. 98,313; Jan. 28.
Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Wine cooling bucket or the like. 98,315; Jan. 28.
Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Memorandum pad. 98,316; Jan. 28.
Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Tray. 98,317; Jan. 28.
Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Ash tray. 98,318; Jan. 28.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Tray. 98,319; Jan. 28.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Tray. 98,320; Jan. 28.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Dish. 98,321; Jan. 28.

Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Platter. 98,322; Jan. 28.

Guthrie, William, New York, N. Y. Upholstery fabric. 98,314; Jan. 28.

Heidrich, Virginia, Kansas City, Mo. Paper cup. 98,323; Jan. 28.

Hirshman, Charles G., New York, N. Y. Shoe or similar article. 98,324; Jan. 28.

Hornsey, James H., Chicago, Ill. Ash tray. 98,325; Jan. 28.

Howard, David J., assignor to Quaker Manufacturing Company, Chicago, Ill. Circulation heater. 98,597; Jan. 28.

Huckmall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. 98,326; Jan. 28.

Hurseler, Alphonse, New Rochelle, N. Y. Shoe. 98,327; Jan. 28.

Indiana Glass Company. (See Clark, Jeddia E., assignor.)

Inglis, William A., and E. E. Bathke, Los Angeles, Calif. Combination ash tray and lighter. 98,328; Jan. 28.

Johnson, Arthur A., New Bedford, Mass. Lighting fixture. 98,329; Jan. 28.

Kaplan, Abe C., New York, N. Y. Textile fabric. 98,330; Jan. 28.

Keith, Geo. E. Company. (See Fishman, Jacob, assignor.)

Kensington, Incorporated. (See Guild, Lurelle, assignor.)

Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Refrigerator cabinet. 98,331; Jan. 28.

Lawrence, Cecil H., Attleboro, Mass., assignor to Evans Case Company. Hand mirror or the like. 98,306; Jan. 28.

Lederer, S. & B., Company. (See Taylor, James W., assignor.)

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,332; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,333; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,334; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,335; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,336; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,337; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,338; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,339; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,340; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,341; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,342; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,343; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,344; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,345; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,346; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,347; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,348; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,349; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,350; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,351; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,352; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,353; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,354; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,355; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,356; Jan. 28.

Liberty, Normand P., Farmington, N. H., assignor to Morris Burtman, Boston, Mass. Shoe. 98,357; Jan. 28.

Long, Leonard D., assignor to Southern States Oil Company, Charleston, S. C. Service station. 98,358; Jan. 28.

Longstreet, Walter H., assignor to Acme Air Appliance Company, Inc., Brooklyn, N. Y. Air line gauge. 98,359; Jan. 28.

McGee, Joseph, New York, N. Y., assignor to Bancroft Walker Co., Waltham, Mass. Shoe. 98,350; Jan. 28.

Meyer, Max C., Brooklyn, N. Y. Boudoir case. 98,360; Jan. 28.

Meyer, Max C., Brooklyn, N. Y. Ash tray or similar article. 98,361; Jan. 28.

Mission Dry Corporation. (See Gray, Frank W., assignor.)

Nagel-Chase Mfg. Co., The. (See Schultz, Edward, assignor.)

Nesbitt Fruit Products Inc. (See Steuer, Norman F., assignor.)

Nordstrom Meroo Valve Company. (See Nordstrom, Sven J., assignor.)

Nordstrom, Sven J., Piedmont, Calif., assignor to Meroo Nordstrom Valve Company, Pittsburgh, Pa. Plug valve body. 98,362; Jan. 28.

Nordstrom, Sven J., Piedmont, Calif., assignor to Meroo Nordstrom Valve Company, Pittsburgh, Pa. Plug valve body. 98,363; Jan. 28.

Price, David W., New York, N. Y. Dress. 98,364; Jan. 28.

Price, David W., New York, N. Y. Dress. 98,400; Jan. 28.

Price, David W., New York, N. Y. Dress. 98,401; Jan. 28.

Pumphrey, Marshall C., assignor to Barker Bros. Incorporated, Los Angeles, Calif. Table. 98,365; Jan. 28.

Pumphrey, Marshall C., assignor to Barker Bros. Incorporated, Los Angeles, Calif. Chest or similar article. 98,366; Jan. 28.

Pumphrey, Marshall C., assignor to Barker Bros. Incorporated, Los Angeles, Calif. Dresser or similar article. 98,367; Jan. 28.

Putman, Solomon, Newark, N. J. Buckle. 98,368; Jan. 28.

Quaker Manufacturing Company. (See Howard, David J., assignor.)

Scheibell, Gordon B., Millburn, N. J. Camera. 98,369; Jan. 28.

Schultz, Edward, assignor to The Nagel-Chase Mfg. Co., Chicago, Ill. Smoking stand. 98,402; Jan. 28.

Schultz, Edward, assignor to The Nagel-Chase Mfg. Co., Chicago, Ill. Smoking stand. 98,403; Jan. 28.

Seaver, Vinols, Beloit, Wis. Musical instrument. 98,370; Jan. 28.

Sieve, Bernard E., Chicago, Ill. Display stand. 98,371; Jan. 28.

Silk, Louis A., & Company Inc. (See Waterfield, James, assignor.)

Sisco, Richard, Clifton, N. J. Restaurant booth. 98,372; Jan. 28.

Sisselman, Abraham, New York, N. Y. Coat. 98,404; Jan. 28.

Sisselman, Abraham, New York, N. Y. Coat. 98,405; Jan. 28.

Smith, Pauline W., Waterbury, Conn. Container for sewers. 98,406; Jan. 28.

Southern States Oil Company. (See Long, Leonard D., assignor.)

Spiaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Combined temple and temple support for an ophthalmic mounting. 98,407; Jan. 28.

Stefanczyk, Mikolaj, Hamtramck, Mich. Radiator or similar article. 98,408; Jan. 28.

Stefanczyk, Mikolaj, Hamtramck, Mich. Radiator or similar article. 98,409; Jan. 28.

Stefanczyk, Mikolaj, Hamtramck, Mich. Radiator or similar article. 98,410; Jan. 28.

Steuer, Norman F., San Francisco, assignor to Nesbitt Fruit Products Inc., Los Angeles, Calif. Bottle. 98,373; Jan. 28.

Taylor, James W., Attleboro, Mass., assignor to S. & B. Lederer Company. Bracelet or similar article. 98,374; Jan. 28.

Taylor, James W., Attleboro, Mass., assignor to S. & B. Lederer Company. Jewelry charm or similar article. 98,375; Jan. 28.

Tjaarda, John, Birmingham, assignor to Briggs Manufacturing Company, Detroit, Mich. Stove. 98,411; Jan. 28.

Troxel Manufacturing Company, The. (See Faulhaber, Roland W., assignor.)

Turiansky, Abraham, New York, N. Y. Shoe. 98,376; Jan. 28.

Turiansky, Abraham, New York, N. Y. Shoe. 98,377; Jan. 28.

Valley Shoe Corporation. (See Goldman, Myron S., assignor.)

Waterfield, James, Philadelphia, Pa., assignor to Louis A. Silk & Company, Inc., New York, N. Y. Lace. 98,378; Jan. 28.

Westinghouse Electric & Manufacturing Company. (See Kruck, Ralph E., assignor.)

Wiener, Joseph D., New York, N. Y. Lace. 98,379; Jan. 28.

Woolfe, William S., assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. 98,412; Jan. 28.

Zahn, Max, New York, N. Y. Dress. 98,413; Jan. 28.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abate, Antonio G., Napa, Calif. Carburetor air intake and vaporizer. 2,029,210; Jan. 28.

Abrasive Products, Inc. (See Walker, Charles R., assignor.)

Acy Racket Stringers (Foreign Rights) Limited. (See Procter, James H., assignor.)

Adamant Engineering Company Limited. (See Matravers, Frederick G., assignor.)

Adler, Charles, Jr., Baltimore, Md. Signal. 2,029,211; Jan. 28.

Ahrens, Robert S. (See Seeger, W. G., and Ahrens.)

Aicher, Alfred L., assignor to Yarnall-Waring Company, Philadelphia, Pa. Water column displacement weight. 2,028,356; Jan. 28.

Air-Flo Corporation. (See Warner, Earl S., assignor.)

Air Systems Incorporated. (See Burner, James A., assignor.)

Aktiebolaget Svenska Kullagerfabriken. (See Kylin, Karl E., assignor.)

Aktiebolaget Svenska Kullagerfabriken. (See Palmgren, Nils A., assignor.)

Aktiengesellschaft Kummler Bossert & Cie. (See Mertens, Franz, assignor.)

Aldrich, Harold B., et al. (See Lambert, Thomas H., assignor.)

Allen, Howard C., Vancouver, British Columbia, Canada. Measuring valve. 2,028,816; Jan. 28.

Alm, Johan E., assignor to E. C. Von Platen, Stockholm, Sweden. Electrical direct current system. 2,029,212; Jan. 28.

Ambursen Construction Company. (See Davis, Calvin V., assignor.)

American Agricultural Chemical Company, The. (See Klonky, Simon, assignor.)

American Can Company. (See Murch, John H., assignor.)

American Car and Foundry Motors Company. (See Doyle, Willis G., assignor.)

American Chain Company. (See Graham, Frank A., assignor.)

American Cyanamid & Chemical Corporation. (See Clark, Cyril R., assignor.)

American Cyanamid Company. (See Christmann, L. J., and Falconer, assignors.)

American Laundry Machinery Company, The. (See Johnson, George W., assignor.)

American Laundry Machinery Company, The. (See Otis, Charles M., assignor.)

American Telephone and Telegraph Company. (See Ampack, E. J., and Harrison, assignors.)

American Telephone and Telegraph Company. (See Herman, Joseph, assignor.)

Ams, Max, Chemical Engineering Corporation, The. (See Brenzinger, Julius, assignor.)

Anderson, MacGregor E., Chicago, Ill. Core for molding concrete. 2,029,147; Jan. 28.

Anguish, Frank, Wewoka, Okla., assignor of one-half to Phillips Petroleum Company. Hydraulic jack. 2,028,817; Jan. 28.

Annen, Robert, assignor to the firm Louis Muller & Cie S. A., Fabrique d'Horlogerie "Le Champagne", Bienne, Switzerland. Ball bearing. 2,029,034; Jan. 28.

Anning, Harold E., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Building construction. 2,029,000; Jan. 28.

Anspach, Russell J., Roselle, and J. W. Harrison, West Belt, N. J., assignors to American Telephone and Telegraph Company. Printing telegraph system. 2,028,618; Jan. 28.

Apco Mossberg Corporation. (See Stearns, William.)

Archer, George F., New York, N. Y. Respiratory actuating means for generators. 2,028,148; Jan. 28.

Arrow Tools, Inc. (See Pollard, Hugh E., assignor.)

Ashton, Charles E., Stockton, Calif. Strommer line mill. 2,028,750; Jan. 28.

Associated Patents, Inc. (See De Vlieg, C. E., and Lundberg, assignors.)

Atkinson, Ray E., Fowler, Ind. Bruskin plow. 2,028,810; Jan. 28.

Atlantic Pipe Line Company. (See Howe, E. W., Love, and Wood, assignors.)

Atwood, Harry N., South Lyndeboro, N. H. Cellular bottom construction for the boat bodies of hydroairplanes. 2,029,037; Jan. 28.

Atwood, Harry N., South Lyndeboro, N. H. Tubular structural unit and matting the same. 2,029,043; Jan. 28.

Atwood, Harry N., South Lyndeboro, N. H. Built-up cellular structure and matting the same. 2,029,042; Jan. 28.

Atwood, Harry N., South Lyndeboro, N. H. Honeycomb construction for aircraft. 2,029,213; Jan. 28.

Atwood, Harry N., South Lyndeboro, N. H. Honeycomb wing construction for airplanes. 2,029,214; Jan. 28.

Atwood, Harry N., South Lyndeboro, N. H. Cellular construction for aircraft pontoons. 2,029,215; Jan. 28.

Baddour, Joseph S., Los Angeles, Calif. Electrical face treating mask. 2,028,889; Jan. 28.

Badenhausen, John P., Philadelphia, assignor of one-half to Day and Zimmermann, Incorporated, Philadelphia, Pa. Steam generator. 2,029,010; Jan. 28.

Bagshaw, W. H., Co. (See Parker, Edward H., assignor.)

Baker, Andrew D., assignor to Boeing Airplane Company, Seattle, Wash. Riveting mouse. 2,028,880; Jan. 28.

Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Machine stand and cabinet. 2,028,891; Jan. 28.

Barchard, Frank L. (See Suazin, Max H., assignor.)

Barker, George A., Rochester, N. Y. Crank case ventilation. 2,029,216; Jan. 28.

Barnes, George L., deceased, Los Angeles, Calif., M. O. Barnes, administratrix. Ground connecter. 2,029,149; Jan. 28.

Barnes, Marne O., administratrix. (See Barnes, George L.)

Bart, Blasius, East Orange, N. J. Seamless tank. 2,029,011; Jan. 28.

Barton, Loy E., Collingswood, N. J., assignor to Radio Corporation of America. Radioreceiver. 2,028,830; Jan. 28.

Barton, Charles W., New York, N. Y. Container. 2,028,751; Jan. 28.

Beans, Hal T., Palisade, N. J., G. H. Walden, Jr., and L. P. Hammett, New York, N. Y. Phonograph record and making the same. 2,029,012; Jan. 28.

Bear, Paul S., Dowagiac, Mich., assignor of three-fourths to H. E. Buckles, Jr., Elkhart, Ind. Condition controlled mechanism. 2,029,150; Jan. 28.

Beck, Charles J., Philadelphia, Pa. Type clamp. 2,028,892; Jan. 28.

Bell, Howard H., Schenectady, N. Y., assignor to General Electric Company. Traffic signaling system and apparatus. 2,029,217; Jan. 28.

Bell, James H. (See Dinley, Clarence F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bode, Hendrik W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Crutchfield, John E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Low, Frank E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Mills, Percy E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Stillwell, George R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Strieby, Maurice E., assignor.)

Bern, Frank, Cleveland, Ohio. Display stand. 2,028,991; Jan. 28.

Bethurum, Will J., Franklin, Tenn. Chin support. 2,028,830; Jan. 28.

Betts, Clarence A., Kansas City, Mo. Apparatus for registering and aligning printers' forms, plates, and the like. 2,028,965; Jan. 28.

Beverage, Harold H., Riverhead, N. Y., assignor to Radio Corporation of America. Receiving system. 2,028,680; Jan. 28.

Beveridge-Marvellum Company, The. (See Pohlmann, Joseph J., assignor.)

Biesik, John F., Milwaukee, Wis. Antifreet alarm. 2,029,218; Jan. 28.

Bildh, Tom C., Alsten, Sweden, assignor to Electrolux Corporation, Dover, Del. Apparatus for treating articles. 2,028,861; Jan. 28.

Bigelow, Charles G., assignor to Freyn Engineering Company, Chicago, Ill. Goggle valve. 2,029,151; Jan. 28.

Birge, Raymond B., assignor to Packard Motor Car Company, Detroit, Mich. Convertible sedan and phaeton. 2,029,050; Jan. 28.

Bishop & Babcock Manufacturing Company, The. (See Boudurant, Carlton W., assignor.)

Bjorklund, Rudolf H., Essington, Pa. Convertible chair, divan, and bed. 2,029,002; Jan. 28.

Blackburn, Phillip W., East Orange, N. J., assignor to Westinghouse Lamp Company. Cathodes for discharge devices. 2,029,018; Jan. 28.

Blevins, Albert C., assignor to Na-Deal Handle Co., Dallas, Tex. Bottle holder. 2,029,051; Jan. 28.

Bode, Hendrik W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 2,029,014; Jan. 28.

Boeing Airplane Company. (See Baker, Andrew D., assignor.)

Böhm, Otto, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna. 2,029,015; Jan. 28.

Bolton, John W., & Sons, Inc. (See Stuck, Harold D., assignor.)

Boudurant, Carlton W., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Controlling refrigerator temperature. 2,028,883; Jan. 28.

Bonkowski, Teofil L., New York, N. Y. Ink eradicating device. 2,029,182; Jan. 28.

Borg-Warner Corporation. (See Buchanan, John C., assignor.)

Borg-Warner Corporation. (See Reed, Harold V., assignor.)

Bouriand, Eli, Jersey City, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Dispensing container. 2,029,210; Jan. 28.

Bovaird and Company. (See Gibson, Jesse G., assignor.)

Bovard, Floyd G., Akron, assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor clamp. 2,028,894; Jan. 28.

Bovard, Floyd G., Akron, assignor to The Ohio Brass Company, Mansfield, Ohio. Spring support for conductors. 2,028,895; Jan. 28.

Bowen, Clinton A., assignor to Corning Glass Works, Corning, N. Y. Furnace. 2,029,063; Jan. 28.

Bradner, Donald B. (See Montgomery, W. J., and Bradner.)

Brawn, Worthen E., assignor to Pejepscot Paper Company, Brunswick, Maine. Making design printing cylinders. 2,029,224; Jan. 28.

Brennen, John B., Atlanta, Ga. Selective speed drive. 2,029,083; Jan. 28.

Bresninger, Julius, Fairfield, assignor to The Max Ams Chemical Engineering Corporation, Bridgeport, Conn. Spinning machine for rayon or other synthetic material. 2,028,821; Jan. 28.

Briel, Conrad G., assignor to Cinema Development Company, Chicago, Ill. Producing composite pictures. 2,028,862; Jan. 28.

Briel, Conrad G., assignor to Cinema Development Company, Chicago, Ill. Producing composite pictures. 2,028,863; Jan. 28.

Brier, Beatrice. (See Solomon, Frank, assignor.)

Brinker, George C., Greensburg, Pa. Spark plug. 2,028,896; Jan. 28.

Bristol Company, The. (See Koester, Herman, assignor.)

Brown, Charles S., Syracuse, N. Y. Piston. 2,028,822; Jan. 28.

Brown Company. (See Richter, George A., assignor.)

Broening, Bernard G., Evansville, Ind. Chair. 2,028,823; Jan. 28.

Buchanan, John C., Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation. Compressor for refrigerating systems. 2,028,824; Jan. 28.

Buchlen, Herbert R., Jr. (See Bear, Paul S., assignor.)

Budd, Edward G., Manufacturing Company. (See Bassergian, Carolus L., assignor.)

Budd, Edward G., Manufacturing Company. (See Ragsdale, Earl J. W., assignor.)

Buffalo Brake Beam Company. (See Busch, Charles R., assignor.)

Burge, Harry, assignor to Crampton Canneries, Inc., Celina, Ohio. Fruit and vegetable filling table. 2,028,054; Jan. 28.

Burger, Michael, Munich, assignor to F. Deckel, Munich-Prinz Ludwigshohe, Germany. Photographic camera. 2,028,782; Jan. 28.

Burgess, C. F., Laboratories, Inc. (See Burgess, J., and Garbe, assignors.)

Burgess, Jackson, and H. W. Garbe, Freeport, Ill., assignors to C. F. Burgess Laboratories, Inc., Madison, Wis. Illuminated display apparatus. 2,029,221; Jan. 28.

Burke, William H., assignor of one-fourth to G. W. Myrland, and one-fourth to G. W. Prichard, Oswya, Iowa. Dispenser. 2,029,055; Jan. 28.

Burner, James A., assignor to Air Systems Incorporated, Minneapolis, Minn. Refrigeration process and apparatus. 2,029,153; Jan. 28.

Burns, Erwin, Los Angeles, and H. F. Wickersham, Huntington Park, Calif. Releasing overshot. 2,028,966; Jan. 28.

Burroughs Adding Machine Company. (See Horton, A. A., and Rowland, assignors.)

Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Brake shoe key. 2,028,788; Jan. 28.

Cable and Wireless Limited. (See Higgitt, Harry V., assignor.)

Cadmus, Oscar P., Bayside, N. Y. Window fastener. 2,029,016; Jan. 28.

Calderio, Edward, Garfield, N. J. Pocket cigarette making machine. 2,028,897; Jan. 28.

Caldwell, Clarence H., Oak Park, Ill. Window cleaning device. 2,028,738; Jan. 28.

Campbell, Lorn, Jr., Lakewood, Ohio. Making cutting blowpipe tips. 2,029,154; Jan. 28.

Carbex Chemical Co. of Illinois. (See John, R., and Spellmeyer, assignors.)

Carbide and Carbon Chemicals Corporation. (See Shoemaker, Milton J., assignor.)

Carlson, George E., assignor to Carlson Research Corporation, Chicago, Ill. Rotary spreader. 2,029,066; Jan. 28.

Carlson Research Corporation. (See Carlson, George E., assignor.)

Carlstrom, John, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Lining for vessels. 2,028,967; Jan. 28.

Carlstrom, John, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Lining for vessels. 2,028,968; Jan. 28.

Celanese Corporation of America. (See Dreyfus, C., and Schneider, assignors.)

Celanese Corporation of America. (See Ellis, G. H., and Storey, assignors.)

Celanese Corporation of America. (See Hibbert, Harold, assignor.)

Central Valve Mfg. Co. (See Pope, Charles E., assignor.)

Cervenka, William F., and F. Miller, Traverse City, Mich. Implement for removing weeds and the like. 2,029,188; Jan. 28.

Chain Belt Company. (See Miller, A. R., and Shafer, assignors.)

Chambers, Edwin A., St. Thomas, Ontario, Canada. Lubricant cooling device. 2,029,057; Jan. 28.

Champion Paper and Fibre Company, The. (See Montgomery, W. J., and Bradner, assignors.)

Chaney, Loyall V. (See Schnine, W. A., and Chaney.)

Charman, Walter M., Cleveland Heights, Ohio. Hat top and lining therefor. 2,029,058; Jan. 28.

Chatillon-Schafer Corporation. (See Hamister, Edwin H., assignor.)

Chemical Novelties Corporation. (See Ginn, Wells W., assignor.)

Chicago Carton Company. (See Clarke, John D., assignor.)

Choate, Roy E., H. N. Graves, and W. L. Lorch, Cedar Rapids, assignors to La Plant-Choate Manufacturing Co. Inc., Cedar Rapids, Iowa. Wagon. 2,029,006; Jan. 28.

Chow, David. (See Fischke, Alexander, assignor.)

Christensen, Emil, Canterbury, Melbourne, Victoria, Australia. Service container. 2,028,825; Jan. 28.

Christmann, Ludwig J., Jersey City, and S. A. Falconer, Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Orlon fibration. 2,029,184; Jan. 28.

Chritton, George A. (See Wilson, Ralph A., assignor.)

Chrysler Corporation. (See Hadley, N. F., and Delahanty, assignors.)

Chrysler Corporation. (See Patterson, Herbert F., assignor.)

Chrysler Corporation. (See Pfeiffer, Karl, assignor.)

Chrysler Corporation. (See Skelton, Owen R., assignor.)

Church, Arthur B., Chicago, Ill., assignor, by mesne assignments, to Hamilton Beach Manufacturing Company, Racine, Wis. Motor-driven beater. 2,029,157; Jan. 28.

Cincinnati Milling Machine Company, The. (See Ernst, H., and Nenninger, assignors.)

Cinema Development Company. (See Briel, Conrad G., assignor.)

Clark, Cyril B., Scarsdale, N. Y., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation. Sulphuric acid manufacture. 2,028,750; Jan. 28.

Clark, Eugene F., Damariscotta, Maine, assignor to Marshall Field Mills Corporation, Philadelphia, Pa. Tube frame. 2,029,204; Jan. 28.

Clarke, John D., assignor to Chicago Carton Company, Chicago, Ill. Display card support. 2,029,158; Jan. 28.

Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)

Clisby, K. Y. (See Reiboldt, William P., assignor.)

Cole, Dale S. (See Lacey, H. M., and Cole.)

Coleman, James D. (See Malm, C. J., and Coleman.)

Colorado Fuel and Iron Company, The. (See Frantz, Philip M., assignor.)

Colt's Patent Fire Arms Manufacturing Co. (See Conner, Benjamin F., assignor.)

Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Making shank buttons. 2,029,235; Jan. 28.

Continental Can Company. (See Bourland, Eli, assignor.)

Continental Steel Corporation. (See Williams, George H., assignor.)

Cookson, Clarence F., Lyndhurst, N. J., assignor to Joseph Schneider, Inc., New York, N. Y. Toy target. 2,029,060; Jan. 28.

Cooney, Robert K., assignor of one-half to F. J. Keating, Yankton, S. Dak. Pasteurization. 2,029,017; Jan. 28.

Copony, Alfred, Mount Clemens, Mich. Engine accessory. 2,028,826; Jan. 28.

Carey, George H., et al. (See Lyon, James B., assignor.)

Cornlng Glass Works. (See Bowen, Clinton A., assignor.)

Cox, Henry J., New Orleans, La. Combined visor and ventilator for motor vehicles. 2,028,827; Jan. 28.

Cozzo, Giuseppe, assignor to Societa Italiana Pirelli, Milan, Italy. Vulcanizing press for pneumatic tires, inner tubes and similar articles. 2,029,060; Jan. 28.

Crapp, Arthur C., et al. (See Dorr, R. A., and Russell, assignors.)

Crampton Canneries, Inc. (See Burge, Harry, assignor.)

Crecca, John D., U. S. Navy, and S. M. Phillips, Westbury, N. Y. Breather valve. 2,028,754; Jan. 28.

Crecca, John D., U. S. Navy, and S. M. Phillips, Westbury, N. Y. Breather valve. 2,028,755; Jan. 28.

Crecca, John D., U. S. Navy, and S. M. Phillips, Westbury, N. Y. Breather valve. 2,028,756; Jan. 28.

Cree, John, Leicester Centre, Ontario, and J. W. Horn, Hamilton, Ontario, Canada. Camera attachment. 2,029,223; Jan. 28.

Crosley Radio Corporation, The. (See Money, Roland H., assignor.)

Cruickshank, John E., Hollis, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,029,018; Jan. 28.

Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Feeding mechanism for rock drills. 2,029,223; Jan. 28.

Dainton, Edgar H. (See Logette, A. L., and Dainton.)

Davis, Calvin V., Mount Vernon, assignor to Ambursen Construction Company, Inc., New York, N. Y. Dam. 2,029,224; Jan. 28.

Day, Roland E., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,029,234; Jan. 28.

Day and Zimmermann, Incorporated. (See Badenhausen, John P., assignor.)

Dean, Seward A., St. Paul, and O. M. Russell, Hastings, assignors of one-fourth to A. C. Cragg, one-fourth to Le R. Wellver, and one-fourth to R. F. Wilder, St. Paul, Minn. Typewriter. 2,029,159; Jan. 28.

De Cesare, Matteo, Newark, N. J., assignor to S. Kalmer and K. Ohlbaum, New York, N. Y. Doll construction. 2,028,757; Jan. 28.

Deckel, Friedrich. (See Berger, Michael, assignor.)

Delahanty, Edward J. (See Hadley, N. F., and Delahanty.)

Demory, Hyacinth P., Yakima, and E. Kirkland, Ellensburg, Wash. Attachment for stoves. 2,029,085; Jan. 28.

De Stoutz, Robert, Zurich, Switzerland. Pump. 2,029,044; Jan. 28.

Devine, Thomas C., Branxville, N. Y. Trimming strip. 2,028,760; Jan. 28.

De Vleg, Charles E., and N. S. Lundberg, Jackson, Mich., assignors to Associated Patents, Inc., Cincinnati, Ohio. Power transmission mechanism. 2,029,094; Jan. 28.

De Witt, H. Norton. (See Richardson, C. L., and Holden, assignors.)

Dibble, Claude M., assignor to Moore Brothers Company, Joliet, Ill. Cooking stove. 2,029,257; Jan. 28.

Diebold Safe & Lock Co. (See Miller, William C., assignor.)

Diefenbach, Ernst, Frankfort-on-the-Main, and E. Fischer, Bad Soden-on-the-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid dyestuffs of the anthraquinone series and preparing them. 2,029,268; Jan. 28.

Dietz, Joseph B., Lansdowne, and E. F. Oellinger, Philadelphia, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Varnish composition. 2,028,758; Jan. 28.

Dillon, William C., Chicago, Ill. Thermometer. 2,028,909; Jan. 28.

Dillström, Torbjörn V., Stockholm, Sweden, assignor to Hesselman Motor Corporation, Ltd., London, England. Internal combustion engine. 2,028,160; Jan. 28.

Dinley, Clarence F., Detroit, Mich., assignor to J. H. Bell, Philadelphia, Pa. Treatment with solvents. 2,028,759; Jan. 28.

Dippman, Fred R., assignor to The Ohio Brass Company, Mansfield, Ohio. Spray gun. 2,028,061; Jan. 28.

Dippman, Fred R., assignor to The Ohio Brass Company, Mansfield, Ohio. Lubricating device. 2,028,062; Jan. 28.

Dippman, Fred R., assignor to The Ohio Brass Company, Mansfield, Ohio. Lubricating device. 2,029,063; Jan. 28.

Disney, Charles P., Toronto, Ontario, Canada. Bridge construction. 2,028,741; Jan. 28.

Dixon, Joseph, Crucible Company. (See Sell, Edwin A., assignor.)

Dominion Engineering Works Limited. (See Russell, A. N., and Robb, assignors.)

Dorr Company, The. (See Lund, Nels E., assignor.)

Dorsey, Albert P., Poughkeepsie, N. Y. Electric outlet moulding. 2,029,019; Jan. 28.

Doyle, Willis G., Detroit, Mich., assignor to American Car and Foundry Motors Company, New York, N. Y. Hydraulic brake. 2,029,095; Jan. 28.

Drake, Rollin L., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Closure for containers. 2,029,209; Jan. 28.

Dreyfus, Camille, New York, N. Y., and G. Schneider, Montclair, N. J., assignors to Celanese Corporation of America. Treating cellulose esters of organic acids. 2,028,761; Jan. 28.

Dreyfus, Camille, New York, N. Y., and G. Schneider, Montclair, N. J., assignors to Celanese Corporation of America. Reducing the viscosity of cellulose esters of organic acids. 2,028,762; Jan. 28.

Dreyfus, Camille, New York, N. Y., and G. Schneider, Montclair, N. J., assignors to Celanese Corporation of America. Treating organic esters of cellulose. 2,028,763; Jan. 28.

Dreyfus, Henry, London, England. Synthesis of formic acid. 2,028,764; Jan. 28.

Dreyfus, Henry, London, England. Synthesis of formic acid. 2,028,765; Jan. 28.

Duplate Corporation. (See Sherts, James H., assignor.)

Du Pont, E. I., de Nemours & Company. (See Dietz, J. E., and Oellinger, assignors.)

Durkee Company, The. (See Jacobsen, Oystein, assignor.)

Eagley, Karl C. (See Wilson, G. E., and Eagley.)

Earl, Herbert, Roselle Park, N. J. Oil burner. 2,028,890; Jan. 28.

Eastman Kodak Company. (See Malm, C. J., and Coleman, assignors.)

Eastman Kodak Company. (See Othmer, Donald F., assignor.)

Eclipse Aviation Corporation. (See Linder, Francis, assignor.)

Edwards, George N., assignor to The Ohio Rubber Company, Willoughby, Ohio. Carcass scraper. 2,029,064; Jan. 28.

Edwards, William F. M., Earls Court, London, assignor to Filter Tips Limited, London, England. Cigarette. 2,028,828; Jan. 28.

Eitner, August D., Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y. Tape guide mechanism for quotation projectors. 2,028,767; Jan. 28.

Ekre, Oscar K., Forks, Mont. Insect destroyer. 2,029,225; Jan. 28.

Emergian, Carolus L., Detroit, Mich., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Die press safety system. 2,028,768; Jan. 28.

Electric and Musical Industries Limited. (See Whyte, Samuel, assignor.)

Electrolux Corporation. (See Bleth, Tom C., assignor.)

Ellis, George H., and R. C. Storey, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of textile or other materials. 2,028,769; Jan. 28.

Endowment Foundation. (See Hoover, Paul L., assignor.)

Erhard, William, North Bergen, N. J., assignor to Globe Collapsible Tube Corporation, Brooklyn, N. Y. Container closure. 2,029,020; Jan. 28.

Erx, Carl F., Solingen-Wald, Germany. Razor attachment. 2,029,160; Jan. 28.

Ernst, Hans, and L. F. Nenninger, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Uniform feed system. 2,028,766; Jan. 28.

Eskra, William J., et al. (See Goff, Frederic J., assignor.)

Etzkorn, Rudolf, Oberbruch, Germany, assignor to North American Rayon Corporation, New York, N. Y. Apparatus for the manufacture of artificial silk. 2,029,226; Jan. 28.

Eustis, Warner, Newton, Mass., and P. Walter, assignors to The Kendall Company, Chicago, Ill. Making adhesive tape and gauze dressings. 2,029,260; Jan. 28.

Ewell, Will H., Los Angeles, Calif. Preserving fruit and vegetables. 2,028,976; Jan. 28.

Fageol, Frank R., and W. B. Fageol, assignors to Twin Coach Company, Kent, Ohio. Transportation vehicle. 2,028,829; Jan. 28.

Fageol, William B. (See Fageol, F. R. and W. B.)

Falconer, Stuart A. (See Christmann, L. J., and Falconer.)

Falor, Clinton, Akron, Ohio. Spark plug. 2,028,971; Jan. 28.

Farley, Edward R., Pocatello, Idaho. Closure device. 2,029,065; Jan. 28.

Fay, Horace B. (See Stratford, Herbert R., assignor.)

Fedeler, John H., Jr. (See Raisch, W., and Fedeler.)

Fessler, Elmer G., Des Moines, Iowa. Conduit cleaning apparatus. 2,028,972; Jan. 28.

Fillmore, Wright, et al. (See Rowe, Claude O., assignor.)

Filter Tips Limited. (See Edwards, William F. M., assignor.)

Firsching, Joseph A., Utica, assignor to Scott & Williams, Incorporated, New York, N. Y. Garment tapering attachment for knitting machines. 2,029,227; Jan. 28.

Fischer, Erich. (See Diefenbach, E., and Fischer.)

Fitch, Benjamin F., Greenwich, Conn. Demountable body. 2,028,902; Jan. 28.

Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Freight container. 2,028,770; Jan. 28.

Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Door locking device for demountable bodies. 2,028,771; Jan. 28.

Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Demountable freight container. 2,028,900; Jan. 28.

Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Demountable body. 2,028,901; Jan. 28.

Folmer Graflex Corporation, The. (See Koerling, Torkel, assignor.)

Forsyth, Florans D., Athens, Ohio, and D. A. Nevin, Waynesboro, Pa. Massaging device. 2,028,865; Jan. 28.

Franklin, Edward, and T. Nelson, France, Minn. Cream cooler. 2,029,021; Jan. 28.

Franklin Process Company. (See Wood, John M., assignor.)

Frantz, Philip M., Pueblo, Colo., assignor to The Colorado Fuel and Iron Company, Denver, Colo. Coal flotation process. 2,028,742; Jan. 28.

Freedman, Hyman, Brooklyn, N. Y. Backing for artificial teeth. 2,029,161; Jan. 28.

Freya Engineering Company. (See Bigelow, Charles G., assignor.)

Friedman, William F., Washington, D. C., and G. A. Graham, Fort Monmouth, N. J. Cryptographic system. 2,028,772; Jan. 28.

Fritsch, Hermann, Buggingen, Baden, Germany. Electric switch for alarm clocks. 2,028,973; Jan. 28.

Fuchs, Norbert, Chicago, Ill. Typographical machine. 2,028,743; Jan. 28.

Gagier, George E. (See Place, Hiss C., assignor.)

Galkin, Joseph, assignor to Treuser Waist-Band Machine Co. Inc., New York, N. Y. Universal folder for sewing machines. 2,028,773; Jan. 28.

Galloway, Robert L., Salem, assignor to Western Paper Converting Company, Salem, Oreg. Bag structure. 2,028,974; Jan. 28.

Garbe, Howard W. (See Burgess, J., and Garbe.)

Garner, Joseph, Harrisburg, Pa. Electric fire alarm. 2,028,007; Jan. 28.

Garrison, Belford, Cape May Court House, N. J. Eye testing and recording apparatus. 2,029,229; Jan. 28.

Gebauer-Fuelnegg, Erich. (See Kratz, R. M., and Gebauer-Fuelnegg.)

General Aniline Works, Inc. (See Diefenbach, E., and Fischer, assignors.)

General Aniline Works, Inc. (See Koeberle, K., Wolf, and Krauch, assignors.)

General Aniline Works, Inc. (See Krzikalla, G., Schlichenmaier, and Schörnig, assignors.)

General Aniline Works, Inc. (See Krzikalla, H., and Kuehne, assignors.)

General Aniline Works, Inc. (See Weinand, Klaus, assignor.)

General Electric Company. (See Bell, Howard H., assignor.)

General Electric Company. (See Green, Wilfred B., assignor.)

General Electric Company. (See Pinoff, Vincent, assignor.)

General Electric Company. (See Radioff, Johannes, assignor.)

General Electric Company. (See Stevens, Harry M., assignor.)

General Electric Company. (See Treuser, Edward D., assignor.)

General Electric Company. (See Wiegand, Erich, assignor.)

General Electric Company Limited, The. (See Kaula, Rudolph J., assignor.)

General Motors Corporation. (See Hughes, Frederick G., assignor.)

General Motors Corporation. (See Keighley, Lloyd M., assignor.)

General Motors Corporation. (See Kucher, Andrew A., assignor.)

General Motors Corporation. (See Stickel, Carl A., assignor.)

Geppert, Karl, assignor to Kugelfischer Georg Attmannsche Gesellschaft mit beschränkter Haftung vorm. Friedrich Fischer, Schweinfurt-on-the-Main, Germany. Measuring the hardness of abrasive disks. 2,029,060; Jan. 28.

Gerlip, George, Neepawa, Manitoba, Canada. Grain door and associated mechanism. 2,029,229; Jan. 28.

Getz, Forry R., New York, N. Y. Detachable camera tripod head. 2,029,220; Jan. 28.

Gibson, Jesse G., Bradford, assignor of fifty-one per cent to Rowaind and Company, Bradford, Pa. Bar clamp for belts. 2,029,162; Jan. 28.

Gillette, Clyde F., New York, assignor to United Research Corporation, Long Island City, N. Y. Composite picture. 2,028,975; Jan. 28.

Glan, Wells W., assignor to Chemical Novelties Corporation, Cincinnati, Ohio. Soybean phosphatides. 2,029,261; Jan. 28.

Giovenale, Benedetto, Rome, Italy. Automatic air vent for pipe lines under pressure. 2,029,163; Jan. 28.

Gleason, Augustus W., and B. L. Moyer, El Segundo, Calif. Sampling device. 2,029,221; Jan. 28.

Gliemke, Walter M., Sandusky, Ohio. Tube cap. 2,029,830; Jan. 28.

Globe Collapsible Tube Corporation. (See Erhard, William, assignor.)

Goff, Frederic J., assignor to W. J. Eakes, Milwaukee, and N. G. Goff, Madison, Wis. Wrecked vehicle. 2,028,976; Jan. 28.

Goff, Nathaniel G., et al. (See Goff, Frederic J., assignor.)

Goldberg, Erwin E., Cleveland Heights, and C. B. Harvey, East Cleveland, assignors to Waite & Bartlett X-Ray Manufacturing Company, Cleveland, Ohio. X-ray tube mount. 2,029,096; Jan. 28.

Goodman Manufacturing Company. (See Sloane, William W., assignor.)

Gouldbourn, Joseph, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 2,029,090; Jan. 28.

Gower, Thomas C., Greenville, S. C. Automatic stoker for coal burners. 2,028,977; Jan. 28.

Graham, Frank A., York, Pa., assignor to American Chain Company, Inc., Bridgeport, Conn. Extension head for lifting jacks. 2,029,022; Jan. 28.

Graham, George A. (See Friedman, W. F., and Graham.)

Graham, George M., Detroit, A. E. Price, and W. O. Westcott, assignors to Hinchley Myers Company, Jackson, Mich. Wheel measuring device. 2,029,067; Jan. 28.

Grand Rapids Brass Company. (See Meadding, Gordon E., assignor.)

Graves, Harold N. (See Choate, S. E., Graves, and Locke.)

Green, Frank W., Oshkosh, Wis. Reversible finisher for cleaning automobile water cooling systems. 2,029,232; Jan. 28.

Green, Wilfred B., Rugby, England, assignor to General Electric Company, Schenectady, N. Y. Rolling mill drive. 2,029,164; Jan. 28.

Greene, Arthur W., Englewood, N. J. Window lightener. 2,029,008; Jan. 28.

Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,028,903; Jan. 28.

Grosse, Aristid V., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,029,109; Jan. 28.

Hachlander, Hans, Tinley Park, Ill., assignor to Union Special Machine Company, Chicago, Ill. Looper mechanism for sewing machines. 2,029,233; Jan. 28.

Hadaway, John R., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Treating sole channels. 2,028,121; Jan. 28.

Hadley, Newton F., Beverly Hills, and R. J. Delahanty, assignors to Chrysler Corporation, Detroit, Mich. Vehicle control. 2,029,168; Jan. 28.

Hale, Roger W., Rumford, R. I. Braiding machine carrier. 2,028,744; Jan. 28.

Hales, Guy R., Fort Washington, Wis. Treating vegetables. 2,028,168; Jan. 28.

Hallam, Harry, and C. H. James, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for molding soles. 2,028,852; Jan. 28.

Hallowell, Edison, West Park, Leeds, assignor to Northern Utilities Trust Limited, Leeds, Yorkshire, England. Remote control system for electric supply networks. 2029,089; Jan. 28.

Hamilton Beach Manufacturing Company. (See Cowell, Arthur E., assignor.)

Hammett, Louis P. (See Beans, H. T., Waldon, and Hammett.)

Hanley, Albert J., assignor to Respro Inc., Cranston, R. I. Material for leather substitute and other purposes. 2,029,172; Jan. 28.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Oscillation generation. 2,028,833; Jan. 28.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Ultra short wave communication system. 2,028,896; Jan. 28.

Hansen, Christian J., Essen-Ruhr, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Removal of hydrogen sulphide and ammonia from gases. 2,029,252; Jan. 28.

Hansen, Morten, Los Angeles, and J. P. Pullen, Glendale, said Pullen assignor to W. G. Young, Los Angeles, Calif. Cup moving mechanism. 2,029,107; Jan. 28.

Hantlepoulos, George, New York, N. Y. Automatic cultivator. 2,028,774; Jan. 28.

Harris, Benjamin R., Chicago, Ill. Salpromated higher unsaturated carboxylic esters of polyhydroxy substances. 2,029,168; Jan. 28.

Harrison, Jackson W. (See Ammann, R. I., and Harrison.)

Hart, Hanallai. (See McClain, F. R., and Hart.)

Haworth, Mark R., Pittsburgh, Pa., assignor to The Jeffrey Manufacturing Company. Coal cleaning apparatus. 2,028,534; Jan. 28.

Haworth, Mack R., Pittsburgh, Pa., assignor to The Jeffrey Manufacturing Company. Coal cleaning apparatus. 2,028,904; Jan. 28.

Hedly, Arthur H., assignor to Ludlow Typograph Company, Chicago, Ill. Matrix and manufacturing the same. 2,028,978; Jan. 28.

Heia, Gothard G., assignor to Hein-Werner Motor Parts Corporation, Waukesha, Wis. Jack. 2,028,905; Jan. 28.

Hein-Werner Motor Parts Corporation. (See Hein, Gothard G., assignor.)

Heitlage, Henry. (See Reid, F., and Heitlage.)

Helmes, Maximilian J., Springfield, Mass. Beverage mixing device. 2,029,254; Jan. 28.

Hendricks, Wallace M., Great Neck, and G. Loeffler, Jr., Flushing, N. Y. Apparatus for bituminous mining. 2,028,748; Jan. 28.

Hankins, Roy B., et al. (See Lambert, Thomas H., assignor.)

Herman, Joseph, Westfield, N. J., assignor to American Telephone and Telegraph Company. Start-stop telegraph repeater. 2,028,835; Jan. 28.

Herlinberg, Ernest, Des Moines, Iowa. Recovering books. 2,029,101; Jan. 28.

Hess, Richard. (See Huttenlocher, R., and Hess.)

Hesselman Motor Corporation. (See Dillstrom, Theodora V., assignor.)

Hetenyi, Paul, New York, N. Y., assignor to Solar Manufacturing Corporation. Electrical condenser. 2,028,775; Jan. 28.

Hibbert, Harold, Montreal, Quebec, Canada, assignor to Celanese Corporation of America. Cellulosic articles and preparing the same. 2,029,716; Jan. 28.

Higbee, George C., Tekoa, Wash. Hydraulic safety brake for automobiles. 2,029,979; Jan. 28.

Higgins, Edgar, Akron, assignor to The Ohio Brass Company, Mansfield, Ohio. Marker light. 1,958,959; Jan. 28.

Higgins, Ralph, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio. Condenser. 2,028,967; Jan. 28.

Higgitt, Harry V., London, England, assignor to Cable and Wireless (Limited). Telegraph signaling apparatus. 2,029,071; Jan. 28.

Hillsmer, Guy, Surbiton, assignor to Transoptal Limited, London, England. Gramophone record and manufacture thereof. 2,029,102; Jan. 28.

Hinchley-Myers Company. (See Graham, G. M., Price, and Westcott, assignors.)

Hintz, Josephine C., Lake Mills, Iowa. Adjustable head support. 2,029,979; Jan. 28.

Hironaka, Yasumbaro, Tsuruga-cho, Kano-Ashi-gun, Shimane-ken, Japan. Internal combustion engine. 1,959,169; Jan. 28.

Hlavacek, Frank, Jr. (See Wendell, R. E., and Hlavacek.)

Hoe, R., & Co. (See Lamatsch, Frederick.)

Hoene, Fred W. (See Noell, I. H., and Hoene.)

Hoffman, Edward L., Dayton, Ohio. Pneumatic construction. 2,028,777; Jan. 28.

Hoffmann, Gilbert P. (See Noyes, W. A., and Hoffmann.)

Hoffmann, Gilbert P., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company. Polyhydric alcohol-polybasic acid-monobasic aliphatic acid anhydride condensation product and making the same. 2,029,203; Jan. 28.

Holden, Arthur P. (See Richardson, C. L., and Holden.)

Holden Knitting Co. (See Holden, R. M., and Roberts, assignors.)

Holden, Roger M., and J. F. Roberts, assignors to Holden Knitting Co., Worcester, Mass. Knitted lining for rubber footwear. 2,028,746; Jan. 28.

Holden, William H., Tudor, Idaho. Slusher and scraper. 2,028,947; Jan. 28.

Holgate, Clarence G., Milwaukee, Wis. Tape carrier. 2,028,236; Jan. 28.

Holt, Samuel, Somercotes, England. Straight bar knitting machine. 2,028,837; Jan. 28.

Holtzer-Cabot Electric Company, The. (See Kennedy, Carlton L., assignor.)

Hoover, Paul L., Middletown, assignor to Endowment Foundation, New Brunswick, N. J. Instrument for measuring core loss in magnetic materials. 2,029,823; Jan. 28.

Hopwood, John M. (See Smith, George W., assignor.)

Horn, John W. (See Cree, J., and Horn.)

Horsley, Carsten E. (See Goldfield, E. R., and Horsley.)

Horton, Allen A., Plymouth, and D. P. Rockwell, assignors to Borroughs Adding Machine Company, Detroit, Mich. Electrically operated paper carriage. 2,028,747; Jan. 28.

Hosmer, Frank F., Glendale, Calif. Can opener. 2,028,778; Jan. 28.

Houlik, Louis D., Dallas, Tex. Bake oven. 2,028,748; Jan. 28.

Howe, Ralph W., Dallas, R. B. Love, Lufkin, and J. H. Wood, Jr., Dallas, Tex., assignors to Atlantic Pipe Line Company, Dallas, Tex. Apparatus for cleaning pipe lines. 2,028,779; Jan. 28.

Howey, Walter, New York, N. Y. Photo-electric intaglio and relief engraving system. 2,029,105; Jan. 28.

Hughes, Frederick G., Detroit, assignor to General Motors Corporation, Detroit, Mich. Anti-friction bearing and seal. 2,029,072; Jan. 28.

Hull, Lloyd L., Milwaukee, Wis. Photometer. 2,028,178; Jan. 28.

Huttenlocher, Richard, and R. Hess, Frankfort-on-the-Main, Germany. Production of sulphonic acids. 2,029,073; Jan. 28.

Hyatt, Benjamin S., Vinita, assignor of twenty-four and one-half per cent to W. A. Robbins, Tulsa, Okla., and twenty-four and one-half per cent to E. M. Wright, Artesian City, Ark. Attachment for typewriters. 2,028,074; Jan. 28.

Hygrade Sylvania Corporation. (See Thomas, Ralph B., assignor.)

I. G. Farbenindustrie Aktiengesellschaff. (See Kuhrich, K., and Moder, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schilling, H., and Stadler, assignors.)

I-T-E Circuit Breaker Company. (See Kaufman, R., and Jensen, assignors.)

Ingersoll-Rand Company. (See Kirgan, John, assignor.)

International Motor Company. (See Manville, Keith B., assignor.)

International Motor Company. (See Wiener, Gottfried, assignor.)

International Standard Electric Corporation. (See Scott, T. R., and Monnier, assignors.)

Irving Trust Company, permanent trustee. (See Lamatsch, Frederick, assignor.)

Ito, Masaji, Sumaura-dori, Suma-Ku, Kobe, Japan, assignor to Kabushiki Kaisha Kawasaki Zosensho (Kawasaki Dockyard Co. Ltd.), Kobe, Japan. Electric arc welder. 2,028,780; Jan. 28.

Jackcomatic Corporation. (See Mariews, Harold J., assignor.)

Jackson, James J., Woodbury, N. J., assignor to Sandura Company, Inc., Philadelphia, Pa. Producing decorative sheet material. 2,028,781; Jan. 28.

Jackson, James J., Woodbury, N. J., assignor to Sandura Company, Inc., Philadelphia, Pa. Decorative sheet material and manufacturing the same. 2,028,782; Jan. 28.

Jacobsen, Gystein, Dayton, Ohio, assignor to The Dutton Company, Inc. Centrifugal pump. 2,028,783; Jan. 28.

James, Charles S., et al. (See Lambert, Thomas H., assignor.)

James, Cyril H. (See Hallam, H. and James.)

Jardin, Joaquin S., New York, N. Y. Jack. 2,028,988; Jan. 28.

Jeffrey Manufacturing Company, The. (See Haworth, Mack R., assignor.)

Jenkins, Thomas M., Los Angeles, assignor to C. G. Watson, Oakland, Calif. Mop. 2,029,235; Jan. 28.

Jennett, Robert, Camden, N. J. Hedge cutter. 2,028,784; Jan. 28.

Jennings, James W., Providence, R. I. Salt shaker or the like. 2,028,870; Jan. 28.

Jensen, John, assignor to Whitney Metal Tool Company, Rockford, Ill. Bending brake. 2,028,869; Jan. 28.

Jensen, Otto. (See Knauss, H., and Jensen.)

Jesser, Albert H., Edgewood, assignor to Pittsburgh Steel Drum Company, Pittsburgh, Pa. Sealing ring. 2,029,173; Jan. 28.

John, Robert, Middleton Township, Monmouth County, and E. F. Spellmeyer, East Orange, N. J., assignors to Carbex Chemical Co. of Illinois, Chicago, Ill. Spark plug. 2,028,749; Jan. 28.

Johnson, George W., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine—reciprocating type. 2,029,104; Jan. 28.

Johnson, Lit A., et al. (See Rowe, Claude O., assignor.)

Johnson, Oliver W. (See Williams, P. S., and Johnson.)

Johnson, Roy W., Milwaukee, Wis. Time controlled mechanism for valves or the like. 2,028,883; Jan. 28.

Johnston, Howard A., Toronto, Ontario, Canada. Measuring device. 2,028,871; Jan. 28.

Jones, Charles T. (See Hicks, F., and Jones.)

Junge, Max, assignor to J. E. Reinecker, A. G. Chemnitz, Germany. Change gear mechanism. 2,029,174; Jan. 28.

Justheim, Clarence I., Salt Lake City, Utah. Automobile insulation and floor board. 2,029,024; Jan. 28.

Justheim, Clarence I., Salt Lake City, Utah. Freezing ice cream and formula therefor. 2,029,025; Jan. 28.

Kabushiki Kaisha Kawasaki Zosensho (Kawasaki Dockyard Co. Ltd.). (See Ito, Masaji, assignor.)

Kaiser, Samuel, et al. (See De Cesare, Mattee, assignor.)

Kavik, Rudolph J., Edgbaston, Birmingham, assignor to The General Electric Company Limited, London, England. Press. 2,029,026; Jan. 28.

Keating, Frank J. (See Cooney, Robert K., assignor.)

Keighley, Lloyd M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,029,263; Jan. 28.

Kellogg, Edward W., Moorestown, N. J., assignor to Radio Corporation of America. Strip record supporting and driving apparatus. 2,029,027; Jan. 28.

Kellogg, William D., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Pile fabric. 2,028,872; Jan. 28.

Kelsey-Hayes Wheel Company. (See Thomas, George J., assignor.)

Kendall Company, The. (See Rustin, W., and Walter, assignors.)

Kendall, James M., Woodbury Heights, N. J., assignor to Radio Corporation of America. Electrical translation device. 2,028,873; Jan. 28.

Kennedy, Carlton L., Braintree, assignor to The Holtzer-Cabot Electric Company, Boxbury, Mass. Condenser induction motor. 2,028,934; Jan. 28.

Kermin, Henry, San Bernardino, Calif. Container and dispenser. 2,028,585; Jan. 28.

Kinnaeiman & Lane Holding Co. (See Lane, Donald B., assignor.)

Kinnaird, William R., assignor to Universal Oil Products Company, Chicago, Ill. Valve. 2,029,105; Jan. 28.

Kirgan, John, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Refrigerating system. 2,028,106; Jan. 28.

Kirkland, Emmett. (See Demery, H. P., and Kirkland.)

Klein, Otto L., San Francisco, Calif. Game. 2,029,107; Jan. 28.

Kleinberg, Paul H., Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y. Trimming mechanism for bookbinding machines. 2,028,785; Jan. 28.

Klinkhamer, Hendrik A. W., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Circuit arrangement for gas filled discharge tubes. 2,028,880; Jan. 28.

Klopbaug, Werner, New York, N. Y. Combination pen and calendar. 2,029,230; Jan. 28.

Kloeky, Simon, Roselle, assignor to The American Agricultural Chemical Company, Newark, N. J. Manufacture of calcium arsenate insecticides. 2,029,964; Jan. 28.

Knauss, Edwards, and O. Jensen, assignors to I-T-E Circuit Breaker Company, Philadelphia, Pa. Electric circuit interrupter and separable contacts therefor. 2,028,875; Jan. 28.

Knight, John A., Hamilton, Ontario, Canada. Electric heating element. 2,029,075; Jan. 28.

Knoll, William V., Dayton, Ohio. Gelatin and glue extractor. 2,028,925; Jan. 28.

Koeberle, Karl, Ludwigshafen-on-the-Rhine, and H. Wolf, Mannheim, and R. Krauch, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing vat dyestuffs of the dibenzanthrone series. 2,029,237; Jan. 28.

Koester, Herman, assignor to The Bristol Company, Waterbury, Conn. Imprinting means for identifying charts of recording instruments. 2,029,029; Jan. 28.

Koppers Company of Delaware, The. (See Hansen, Christian J., assignor.)

Korinth, Erich, Frankfort-on-the-Main-Hochst, and G. Meder, Manster in Taunus, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Inorganic colored pigment and perparing the same. 2,028,960; Jan. 28.

Korling, Torkel, Chicago, Ill., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Camera mechanism. 2,029,228; Jan. 28.

Krafka, Stefan, Cicero, Ill. Oil can. 2,029,108; Jan. 28.

Kramer, Paul H. and J. C. Thompson, Detroit, Mich., assignors to Park Chemical Company. Binding device. 2,028,874; Jan. 28.

Krinzlein, Georg, Frankfort-on-the-Main, H. Schlichenmaier, Kelkheim in Taunus, and L. Schdrnig, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Anthraquinone derivatives. 2,029,239; Jan. 28.

Kratz, Edouard M., Gard, Ind., and E. Gebauer-Fuelnegg, Evansville, Ill., assignor, by mesne assignments, to Marbe Products Corporation, Chicago, Ill. Carrier web for the formation of thin transparent films. 2,028,936; Jan. 28.

Krauch, Emil. (See Koeberle, K., Wolf and Krauch.)

Kraikalla, Hans, Ludwigshafen-on-the-Rhine, and W. Kuehne, Mannheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of azo dyestuffs. 2,028,961; Jan. 28.

Kucher, Andrew A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,029,109; Jan. 28.

Kuehne, Walther. (See Kraikalla, H., and Kuehne.)

Kugelfischer Erste Automatische Gusstahlkugelfabrik vorm. Friedrich Fischer. (See Geppert, Karl, assignor.)

Kuhn, George, Takoma Park, Md. Fluid pressure motor. 2,028,240; Jan. 28.

Kuwada, Gompei, Masdani-Mura, Kawabe-Gun, Japan. Doubling spindle. 2,028,578; Jan. 28.

Kylen, Karl E., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Multirow cylindrical roller bearing. 2,029,262; Jan. 28.

La Dispersion Cathodique. (See von Bosse, J., and Richter, assignors.)

Lamatsch, Frederick, Grantwood, N. J., assignor to Irving Trust Company, Permanent Trustee for R. Hoe & Co., Inc., New York, N. Y. Gearing for rotary printing machine folders. 2,028,798; Jan. 28.

Lambert, Thomas H., assignor of twelve and seventy-five one-hundredths per cent to C. S. James, Ridgewood, N. J., twelve and seventy-five one-hundredths per cent to J. Mergendoller, five and one tenth per cent to H. B. Aldrich and twenty and four tenths per cent to H. B. Henlins, New York, N. Y. Hydraulic transmission mechanism. 2,028,982; Jan. 28.

Lane, Donald B., Glen Cove, assignor to Kimmelman & Lane Holding Co., Inc., New York, N. Y. Cigarette dispensing machine. 2,028,787; Jan. 28.

Lane, Donald B., Brooklyn, assignor to Kimmelman & Lane Holding Co., Inc., New York, N. Y. Coin controlled apparatus. 2,028,788; Jan. 28.

Langley, Frank. (See Sumner, H. C., Taylor, and Langley.)

La Plant-Choate Manufacturing Co. Inc. (See Choate, R. E., Graves, and Leech, assignors.)

Lawson, Alexander M. (See Vander Cook, R. E., and Lawson).

Lee, John H. (See Mathiesen, Marius, assignor.)

Lee, Roy C., Irvington, N. J. Fuel saving device. 2,029,110; Jan. 28.

Leece, Bennett M., Cleveland, and D. S. Cole, Cleveland Heights, assignors to The Leece-Neville Company, Cleveland, Ohio. Regulator. 2,029,206; Jan. 28.

Leece, Bennett M., Cleveland, and D. S. Cole, Cleveland Heights, assignors to The Leece-Neville Company, Cleveland, Ohio. Electromagnetic device. 2,029,207; Jan. 28.

Leece-Neville Company, The. (See Leece, B. M., and Cole, assignors.)

Leech, William I. (See Choate, R. E., Graves, and Leech.)

Leeman, Edward D., Medford, Mass. Inner spring mattress. 2,029,076; Jan. 28.

Lee-Tex Rubber Products Corporation. (See Miller, Layard D., assignor.)

Lefebre, Maurice, Detroit, Mich. Gas mixer. 2,028,937; Jan. 28.

Lejeune, Franz, Vienna, Austria. Production of colored photographs particularly in natural colors, on papers, films, and the like. 2,029,071; Jan. 28.

Leslie Company. (See Soderberg, Sten H. B., assignor.)

Lester, Christopher J., Cleveland, Ohio. Device for measuring and indicating tension on cables. 2,029,111; Jan. 28.

Le Vesconte, Harold J., Western Springs, assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 2,029,241; Jan. 28.

Le Vesconte, Harold J., Western Springs, assignor to Union Special Machine Company, Chicago, Ill. Chain stitch sewing machine. 2,029,242; Jan. 28.

Limpert, Sylvester A., assignor to Mechana Kold Corporation, Bay Shore, N. Y. Portable refrigerator. 2,029,175; Jan. 28.

Lindberg Engineering Company. (See Lindberg, Le Roy A., assignor.)

Lindberg, Le Roy A., Evanston, assignor to Lindberg Engineering Company, Chicago, Ill. Drawing furnace. 2,029,176; Jan. 28.

Linder, Francis, assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,029,243; Jan. 28.

Linder, Francis, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Driving mechanism. 2,029,244; Jan. 28.

Lindquist, Carl J., Brooklyn, N. Y. Ironing board. 2,028,789; Jan. 28.

Liotta, Ernest, Cleveland, Ohio. Fish lure. 2,028,988; Jan. 28.

Livingston, John W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of railway car retarders. 2,028,900; Jan. 28.

Loeffler, Gustave, Jr. (See Hendrick, W. M., and Loeffler, assignors.)

Logette, Abraham L., and E. H. Daintee, London, England. Automatic valve. 2,028,556; Jan. 28.

Lotts, Delbert L., Chicago, Ill. Clutch mechanism. 2,028,876; Jan. 28.

Love, Robert E. (See Howe, R. W., Love and Wood.)

Low, Frank K., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing system. 2,029,030; Jan. 28.

Ludlow Typograph Company. (See Holly, Arthur E., assignor.)

Lukens, Clarence D., St. Louis, Mo. Eyecup. 2,028,884; Jan. 28.

Lund, Arthur D., Minneapolis, Minn. Casting machine. 2,028,790; Jan. 28.

Lund, Nels R., Seaford, assignor to The Dorr Company, Inc., New York, N. Y. Liquid distributor. 2,029,268; Jan. 28.

Lundberg, Nels S. (See De Vlieg, C. B., and Lundberg.)

Lundquist, August F., Worcester, Mass., assignor to Lundquist Tool & Mfg. Company. Brush for motors and generators. 2,029,171; Jan. 28.

Lundquist Tool & Mfg. Company. (See Lundquist, August F. assignor.)

Lynde, Fred H., North Attleboro, assignor to H. E. Sweet, Attleboro, Mass., doing business as R. F. Simmons Company. Wrist watch bracelet. 2,028,781; Jan. 28.

Lyon, James B., New York, assignor of one-tenth to G. H. Covey, Bayside, and nine-tenths to M. H. Lyon, New York, N. Y. Tissue packet. 2,029,245; Jan. 28.

Lyon, Margaret H., et al. (See Lyon, James B., assignor.)

Lyor Metal Products, Incorporated. (See Bales, James B., assignor.)

MacClatchie, John W., Los Angeles, Calif. Reamer. 2,028,910; Jan. 28.

MacDougall, Ron, assignor to F. C. McClellan, Chicago, Ill. Game apparatus. 2,029,177; Jan. 28.

MacKay, George J., Kingston, Ontario, Canada. Ore extraction. 2,028,940; Jan. 28.

MacKenzie, Ella L., administratrix. (See MacKenzie, Fred L.)

MacKenzie, Fred L., deceased, by E. L. MacKenzie, administratrix, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening inserting machine. 2,028,940; Jan. 28.

Mahon, Clarence A., Kansas City, Mo. Fan. 2,028,985; Jan. 28.

Mattsen, Alfonso G., Park Ridge, Ill. Ventilating attachment for pressing machines. 2,029,112; Jan. 28.

Malm, Carl J., Rochester, N. Y., and J. D. Coleman, Columbus, Ohio, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of alkoxy fatty acid esters of cellulose. 2,028,792; Jan. 28.

Manufacture de Machines du Haut-Rhin S. A. (See Sautier, Emile, assignor.)

Manville, Keith R., Highland Park, N. J., assignor to International Motor Company, New York, N. Y. Four-speed vehicle transmission. 2,028,116; Jan. 28.

Marbe Products Corporation. (See Kratz, E. M., and Gebauer-Fuelnegg, assignors.)

Marlowe, Harold J., Brooklyn, N. Y., assignor to Jacksmatic Corporation. Vehicle jack. 2,029,179; Jan. 28.

Marshall Field Mills Corporation. (See Chrit, Eugene F., assignee.)

Marvin, Orris F., assignor to Mills Alloys, Inc., Los Angeles, Calif. Making tungsten carbide cutting. 2,028,911; Jan. 28.

Mascuch, Joseph J., Newark, N. J. Interference preventing cable. 2,028,798; Jan. 28.

Massey-Harris Company. (See Shenstone, Osborne H., assignor.)

Mathiesen, Marius, Chicago, assignor to J. H. Lee, River Forest, Ill. Tire spreading implement. 2,028,986; Jan. 28.

Matney, James A., Fresno, Wash. Filtering device. 2,029,073; Jan. 28.

Matravers, Frederick G., Harpenden, assignor to Adamant Engineering Company Limited, Luton, Bedfordshire, England. Follower for steering gears for vehicles. 2,028,989; Jan. 28.

Matthes, Gerard H., Los Angeles, Calif. Constructing revetments. 2,028,794; Jan. 28.

Maulis, Rudolph D., Ravenna, Nebr. Viscous fluid pump. 2,028,912; Jan. 28.

Maxmoor Corporation. (See Moore, Arlington, assignor.)

May, Lawrence E. (See Todd, J. D., May, and Newbury.)

Mayer, William, New York, N. Y. Necktie construction. 2,029,180; Jan. 28.

Mayer, William, New York, N. Y. Necktie construction. 2,029,181; Jan. 28.

McCann, Frank P., Seattle, Wash. Tree holder. 2,029,241; Jan. 28.

McCarroll, John H., Des Moines, Iowa. Plant shelf for window screenings. 2,029,246; Jan. 28.

McClellan, Fred C. (See MacDougall, Ron, assignor.)

McDonald, William R., assignor to L. H. Stark, Los Angeles, Calif. Coin control for scales. 2,029,269; Jan. 28.

McIntyre, Patrick J., Detroit, Mich. Bright annealer. 2,028,941; Jan. 28.

McKee, Ralph H., New York, N. Y., assignor to U. S. Hydrogenation Corporation. Conversion and hydrogenation of heavy petroleum oils and apparatus. 2,028,795; Jan. 28.

McKillop, Edgar A., Hendersonville, N. C. Device for cleaning quills. 2,028,987; Jan. 28.

Mechana Kold Corporation. (See Limpert, Sylvester A., assignor.)

Meder, George. (See Koeiath, R., and Meder.)

Menzies, Thomas E. D. (See Scott, T. E., and Menzies.)

Mercogliano, Jerry, Brooklyn, N. Y. Spring seat. 2,029,247; Jan. 28.

Mergendoller, John, et al. (See Lambert, Thomas H., assignor.)

Merritt, Matthew M., Middleton, Mass., assignor to The Tanning Process Company, Boston, Mass. Application of finely divided material to articles of manufacture. 2,028,796; Jan. 28.

Mertens, Franz, Mannheim, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Electric valve protective system. 2,029,270; Jan. 28.

Messiter, Edwin H., Jersey City, N. J., assignor, by mesne assignments, to Chatillon-Schaefer Corporation, New York, N. Y. Conveyer weighing apparatus. 2,029,271; Jan. 28.

Meutsch, Charles C., Buffalo, N. Y. Furniture spring suspension. 2,029,182; Jan. 28.

Miller, Arthur E., and S. Shafer, Jr., assignors to Chain Belt Company, Milwaukee, Wis. Control mechanism for concrete mixers and analogous apparatus. 2,028,988; Jan. 28.

Miller, Fred. (See Cervenka, W. F., and Miller.)

Miller, Herbert E. (See Nye, I. W., and Miller.)

Miller, Layard D., assignor to Lee-Tex Rubber Products Corporation, Chicago, Ill. Suspension rubber toy. 2,028,797; Jan. 28.

Miller, Raphael M., Paddington, near Sydney, New South Wales, Australia. Cycle chain lubrication device. 2,029,079; Jan. 28.

Miller, William C., assignor to Diebold Safe & Lock Co., Canton, Ohio. Delayed control time lock. 2,029,272; Jan. 28.

Mills Alloys, Inc. (See Marvin, Orris F., assignor.)

Mills, George E., Brighton, Mass. Combination lock. 2,029,080; Jan. 28.

Mills, Percy E., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone coin collector. 2,029,113; Jan. 28.

Milne, William, Barre, Vt. Stone saw. 2,029,114; Jan. 28.

Mohawk Carpet Mills, Inc. (See Kellogg, William D., assignor.)

Moir, Vincent J. (See Stanley, H., and Moir.)

Money, Roland H., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Electrical entrance plug. 2,028,942; Jan. 28.

Money, Roland H., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Forming refrigerator linings. 2,028,943; Jan. 28.

Montgomery, William J., and D. B. Bradner, assignors to The Champion Paper and Fibre Company, Hamilton, Ohio. Coating paper. 2,029,273; Jan. 28.

Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Apparatus for and process of operating internal combustion engines on fuel of low volatility. 2,028,949; Jan. 28.

Moore Brothers Company. (See Dibble, Claude M., assignor.)

Morrell, Jacques C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,028,115; Jan. 28.

Morrison, Harry E., Auburn, R. I., assignor, by mesne assignments, to Reynolds Metalware Company, Buffalo, N. Y. Toasting machine. 2,028,944; Jan. 28.

Morrison, Willard L., Lake Forest, Ill. Automobile bumper device. 2,028,945; Jan. 28.

Morton, Benjamin A., New York, N. Y. Ventilating device. 2,029,116; Jan. 28.

Motor Terminals Company. (See Fitch, Benjamin F., assignor.)

Mottweiler, Oliver F., Alexandria, Ind. Machine for making insulating material. 2,029,081; Jan. 28.

Moyer, Ernest L. (See Gleason, A. W., and Moyer.)

Mukaza, Hiso, Meguro-ku, Tokyo, Japan. Advertising sign of electric lights. 2,029,183; Jan. 28.

Muller, Louis, & Cie S. A., Fabrique d'Horlogerie "La Champagne". (See Annen, Robert, assignor.)

Murch, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Lining the inside of cans. 2,028,798; Jan. 28.

Murray, Charles, Clifton, N. J. Eliminating static and other disturbances. 2,028,841; Jan. 28.

Mushet, Sidney, New York, N. Y. Preservation of animal tissues. 2,029,248; Jan. 28.

Myriand, G. W., et al. (See Burke, William H., assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Klinkhamer, Hendrik A. W., assignor.)

National Aniline and Chemical Company. (See Rogers, Donald G., assignor.)

National Trust Company Limited, executor. (See Russel, A. N., and Robb.)

Nelson, Thorsten. (See Franklin, E., and Nelson.)

Nenninger, Lester F. (See Ernst, H., and Nenninger.)

Neumann, Paul, Milwaukee, Wis. Aquarium. 2,028,913; Jan. 28.

Nevin, Donald A. (See Forsyth, F. D., and Nevin.)

Newbury, William L. (See Todd, J. D., May, and Newbury.)

News Projection Corporation. (See Eltzen, August D., assignor.)

Niconoff, Dimitry, Clarkdale, Ariz., assignor, by mesne assignments, to Phelps Dodge Corporation, New York, N. Y. Gas generator. 2,028,946; Jan. 28.

Noell, Isome H., and F. W. Hocme, Hooker, Okla. Mobile ground working device. 2,029,249; Jan. 28.

Noell, Isome H., and F. W. Hocme, Hooker, Okla. Mobile ground working device. 2,029,250; Jan. 28.

North American Rayon Corporation. (See Etukorn, Rudolf, assignor.)

Northern Utilities Trust Limited. (See Hallowell, Edison, assignor.)

Novick, Jacob, Newark, N. J. Dental floss holder for toothbrushes. 2,029,031; Jan. 28.

Noyes, William A., Urbana, Ill., and G. F. Hoffman, Milwaukee, Wis., assignors to Pittsburgh Plate Glass Company. Production of resin like materials. 2,028,914; Jan. 28.

Nu-Deal Handle Co. (See Blevins, Albert C., assignor.)

Nye, Irvin W., Bethlehem, and H. E. Miller, assignors to Utilities Service Company, Inc., Allentown, Pa. Combined lamp structure and hanger. 2,029,251; Jan. 28.

O'Connor, Raymond L., Oakland, Calif. Piston. 2,028,799; Jan. 28.

Odam, Charles H., Tucson, Ariz. Wall construction. 2,029,082; Jan. 28.

Oeffinger, Edmund F. (See Dietz, J. B., and Oeffinger.)

Ohio Brass Company, The. (See Bovard, Floyd G., assignor.)

Ohio Brass Company, The. (See Dippman, Fred R., assignor.)

Ohio Brass Company, The. (See Higgins Ralph, assignor.)

Ohio Brass Company, The. (See Taylor, John J., assignor.)

Ohio Rubber Company, The. (See Edwards, George N., assignor.)

Ohlbaum, Karl, et al. (See De Cesare, Matteo, assignor.)

Olsen, Fredrich, Alton, assignor to Western Cartridge Company, East Alton, Ill. Making propellent powder. 2,028,950; Jan. 28.

Olsson, Karl R., Stockholm, Sweden. Machine for slicing meats. 2,029,032; Jan. 28.

Othmer, Donald F., Brooklyn, N. Y. Concentrating acetic acid. 2,028,801; Jan. 28.

Othmer, Donald F., assignor to Eastman Kodak Company, Rochester, N. Y. Concentrating acetic acid. 2,028,800; Jan. 28.

Otis, Charles M., Rochester, N. Y., assignor to The American Laundry Machinery Company, Norwood, Ohio. Drying machine. 2,029,117; Jan. 28.

Ott, Charles J., Bellingham, Wash. Vegetable peeler and slicer. 2,028,915; Jan. 28.

Ottke, Robert L., Fox Chapel Manor, Pa., assignor to Standard Sanitary Manufacturing Company. Sink structure. 2,028,802; Jan. 28.

Ottke, Robert L., Fox Chapel Manor, Pa., assignor to Standard Sanitary Manufacturing Company. Balanced sink structure. 2,028,803; Jan. 28.

Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for laminating glass. 2,028,916; Jan. 28.

Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Turnover table for glass sheets. 2,028,917; Jan. 28.

Packard Motor Car Company. (See Birge, Raymond B., assignor.)

Packard Motor Car Company. (See Griswold, Walter R., assignor.)

Packard Motor Car Company. (See Vincent, Charles H., assignor.)

Pacy, Ernest H. (See Seeman, R., and Wilson, assignors.)

Paige, Arthur E., Philadelphia, Pa. Oil burning apparatus. 2,029,184; Jan. 28.

Palm, Herman C., Chicago, Ill. Leg protecting device. 2,028,947; Jan. 28.

Palmgren, Nils A., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Radial plain bearing. 2,029,274; Jan. 28.

Palmgren, Nils A., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Radial plain bearing for grease lubrication. 2,029,276; Jan. 28.

Panoff, Vincent, Belfort, France, assignor to General Electric Company. Spinning bucket. 2,029,185; Jan. 28.

Pass, Ralph, Los Angeles, Calif. Foldable screen. 2,028,918; Jan. 28.

Park Chemical Company. (See Kramer, P. H., and Thompson assignors.)

Parker, Edward H., Arlington, assignor to W. H. Bagshaw Co., Lowell, Mass. Textile picker. 2,028,919; Jan. 28.

Patterson, Herbert F., assignor to Chrysler Corporation, Detroit, Mich. Driving mechanism. 2,029,115; Jan. 28.

Pejepscot Paper Company. (See Brawn, Worthen E., assignor.)

Pennsylvania Salt Manufacturing Company. (See Van der Cook, R. E., and Lawson, assignors.)

Perkins, Laurence M., Dayton, Ohio, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radioreceiver. 2,029,023; Jan. 28.

Pernice, James V., Mount Morris, N. Y. Vehicle spring suspension. 2,028,991; Jan. 28.

Peterson, Norman, Marinette, Wis. Lighting device for cigarettes. 2,029,186; Jan. 28.

Pfeiffer, Karl, assignor to Chrysler Corporation, Detroit, Mich. Clutch mechanism. 2,029,167; Jan. 28.

Phelps Dodge Corporation. (See Niconoff, Dimitry, assignor.)

Phillips, Leland A., Rochester, N. Y. Ink pad for rubber stamps. 2,028,842; Jan. 28.

Phillips Petroleum Company. (See Anguish, Frank, assignor.)

Phillips Petroleum Company. (See Schulze, W. A., and Chaney, assignors.)

Phillips, Stephen M. (See Crecca, J. D., and Phillips.)

Pinaud, John A., Atlantic Highlands, N. J., assignor to Rand McNally & Company, New York, N. Y. Globe mounting. 2,029,282; Jan. 28.

Pitcairn, Alexander, Trail, British Columbia, assignor of one-third to D. Chow, Trail, British Columbia, Canada. Collapsible container or the like. 2,028,849; Jan. 28.

Pittsburgh Plate Glass Company. (See Hoffmann, Gilbert F., assignor.)

Pittsburgh Plate Glass Company. (See Noyes, W. A., and Hoffmann, assignors.)

Pittsburgh Plate Glass Company. (See Owen, William, assignor.)

Pittsburgh Steel Drum Company. (See Jesser, Albert E., assignor.)

Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Securing trim panels. 2,028,902; Jan. 28.

Pocock, Oscar H., Ferndale, and L. Bonsetti, Detroit, Mich. Roof structure. 2,028,877; Jan. 28.

Pohlmann, Joseph J., South Hadley Center, assignor to The Beveridge-Marvellum Company, Holyoke, Mass. Decorative paper and making the same. 2,028,948; Jan. 28.

Pobeantsch, Max. (See Runge, W., and Pobeantsch.)

Pollard, Hugh E., assignor to Arrow Tools, Inc., Chicago, Ill. Chisel. 2,028,993; Jan. 28.

Pollitzer, Franz. (See Swan, O., and Pollitzer, assignors.)

Pollock, Robert T., New York, N. Y., assignor to Respatz, Inc., Cranston, R. I. Pressed fiber board and manufacture. 2,029,034; Jan. 28.

Pollon, Joseph F. (See Hansen, M., and Pollon.)

Pope, Charles S., assignor to Central Valve Mfg. Co., Chicago, Ill. Valve. 2,028,844; Jan. 28.

Potter, Joseph L., Indianapolis, Ind. Reel base-plate fishing-rod attaching means. 2,029,188; Jan. 28.

Prestage, Edwin, London, England. Heat exchange apparatus. 2,029,068; Jan. 28.

Price, Arthur E. (See Graham, G. M., Price, and Westcott.)

Prichard, Geo. W., et al. (See Burke, William H., assignor.)

Procter & Gamble Company, The. (See Reid, F., and Heitlage, assignors.)

Proctor, James H., Northbridge, assignor to Ace Racket Stringers (Foreign Rights) Limited, Sydney, New South Wales, Australia. Apparatus for the stringing of tennis rackets. 2,028,804; Jan. 28.

Pure Oil Company The. (See Wagner, Cary E., assignor.)

Radio Corporation of America. (See Barton, Loy E., assignor.)

Radio Corporation of America. (See Beverage, Harold H., assignor.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Kellogg, Edward W., assignor.)

Radio Corporation of America. (See Kendall, James M., assignor.)

Radio Corporation of America. (See Parkin, Laurence M., assignor.)

Radio Corporation of America. (See Ranger, Richard H., assignor.)

Radio Corporation of America. (See Roberts, Walter van B., assignor.)

Radio Corporation of America. (See Woods, Fred, assignor.)

Radio Corporation of America. (See Zworykin, Vladimir K., assignor.)

Radlof, Johannes, Berlin, Germany, assignor to General Electric Company. Double acting internal combustion engine. 2,029,189; Jan. 28.

Ragsdale, Mari J. W., Morristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Piping boat suspension structure. 2,029,276; Jan. 28.

Raisch, William, Forest Hills, N. Y., and J. H. Fiddler, Jr., Glen Rock, N. J., assignors to Underpinning Foundation Company, Inc. Filler. 2,028,949; Jan. 28.

Rand McNally & Company. (See Pinaud, John A., assignor.)

Randall, Meredith S. (See Woodall, H. J., and Randall.)

Randall, Meredith S., assignor to Woodall Industries Incorporated, Detroit, Mich. Laminated panel. 2,029,240; Jan. 28.

Raney, Clemens E., Riverside, Ill. Phonograph. 2,028,193; Jan. 28.

Raney, Clemens E., Riverside, Ill. Phonograph. 2,029,151; Jan. 28.

Ranger, Richard H., Newark, N. J., assignor to Radio Corporation of America. Multiplex transmission. 2,028,905; Jan. 28.

Ray, Alvin M., Tacoma, Wash. Smoking stand. 2,029,192; Jan. 28.

Reach, William F., Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Racket frame. 2,029,183; Jan. 28.

Rechtin, Ida, Rewtickley, Pa. Pressing desserts, and apparatus. 2,028,806; Jan. 28.

Reed, Harold V., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,028,951; Jan. 28.

Reiss, Hays, assignor to Western Paper Converting Company, Salem, Oreg. Notebook binding. 2,028,994; Jan. 28.

Reinholt, William P., Irvington, N. J., assignor of sixty per cent to K. I. Clisby, Montclair, N. J. Oil burner. 1,028,801; Jan. 28.

Reid, Forestus, Cincinnati, and H. Heitlage, St. Bernard, Ohio, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Labeling and wrapping machine. 2,029,020; Jan. 28.

Reid, Leland E., South Pasadena, Calif. Relay motor. 1,028,945; Jan. 28.

Reimer, Philip J., Neenah, Wis. Apparatus for and method of making paper. 2,028,962; Jan. 28.

Reinecker, J. E., A. G. (See Junge, Max, assignor.)

Republic Metalware Company. (See Morrison, Harry R., assignor.)

Respatz, Inc. (See Pollock, Robert T., assignor.)

Respro Inc. (See Hanley, Albert J., assignor.)

Richardson, Charles L., and A. F. Holden, assignors to H. N. De Witt, Toronto, Ontario, Canada. Phonograph mechanism. 2,029,119; Jan. 28.

Richardson, Burton M., Compton, Calif. Watchmaker's tool and method. 2,029,194; Jan. 28.

Richter, George A., assignor to Brown Company, Berlin, N. H. Cellulose pulp for esterification purposes and processing of same. 2,028,846; Jan. 28.

Richter, Kurt. (See von Bonse, J., and Richter.)

Ricks, Fred, and C. T. Jones, Leicester, England, assignors to United States Machinery Corporation, Paterson, N. J. Dust removing device. 2,028,837; Jan. 28.

Riddock, Charles M., Andover, Mass. Shoe sole applying machine. 2,029,195; Jan. 28.

Hiler, Ernest G., assignor to Sikes and Smith Company, Philadelphia, Pa. Adhesive applying mechanism. 2,028,878; Jan. 28.

Roark, William M., Perryton, Tex. Safety steering rod. 2,028,863; Jan. 28.

Robb, John D. (See Russell, A. N., and Robb.)

Robbins, W. A., et al. (See Hyatt, Benjamin R., assignor.)

Roberts, John F. (See Holden, R. M., and Roberts.)

Roberts, Joseph W., Portage la Prairie, Manitoba, Canada. Motor sleigh. 2,029,196; Jan. 28.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Multirange superheterodyne receiver. 2,029,035; Jan. 28.

Rochester Telephone Corporation. (See Vincent, William J., assignor.)

Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. 2,028,954; Jan. 28.

Roedding, Gordon E., assignor to Grand Rapids Brass Company, Grand Rapids, Mich. Latch. 2,029,197; Jan. 28.

Rogers, Donald G., Ridgewood, N. J., assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Preparation of alizarin and its salts. 2,028,877; Jan. 28.

Rogers, Francis M., assignor to Standard Oil Company, Whiting, Ind. Dehydrierizing petroleum oils. 2,028,964; Jan. 28.

Röhm & Haas Company. (See Turley, H. G., and Somerville, assignors.)

Roller-Smith Company. (See Wood, Joseph D., assignor.)

Roos, Axel J., Chico, Calif. Heater. 2,028,921; Jan. 28.

Roscoe, Edwin S., assignor to Taylman & Kybo Mfg. Co., Rochester, N. Y. Perforator. 2,028,940; Jan. 28.

Rose, Bernard L., assignor to The Standard Oil Company, Cleveland, Ohio. Making asphalt. 2,028,967; Jan. 28.

Rosenmund, Alfred L., Rockaway Borough, N. J., assignor to Stapling Machines Co. Sealing means for wirebound boxes. 2,029,196; Jan. 28.

Rosenthal, Annie, executrix. (See Rosenthal, Levi M.)

Rosenthal, Levi M., deceased, New York, N. Y., Annie Rosenthal, executrix, New York, N. Y. Rubber article and method of making the same. 2,028,806; Jan. 28.

Ross, James C., Seattle, Wash. All metal springless automatic faucet and valve. 2,028,823; Jan. 28.

Ross, Oscar A., New York, N. Y. Lubricant metering device. 2,029,186; Jan. 28.

Rossetti, Louis. (See Pocock, O. H., and Rossetti.)

Rottner, William J., Brooklyn, N. Y. Toy gun for projecting aeroplanes. 2,029,056; Jan. 28.

Rowe, Claude O., Santa Monica, assignor of one-half to W. Fillmore and L. A. Johnson, Los Angeles, Calif. Pencil sharpener. 2,028,834; Jan. 28.

Rowland, Dwight P. (See Horton, A. A., and Rowland.)

Ruage, Wilhelm, and M. Pobontsch, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio transmission system. 2,028,980; Jan. 28.

Russell, Andrew N., and J. D. Robb, National Trust Company Limited, executor of said J. D. Robb, deceased, assignors to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Wood grinding machine. 2,029,125; Jan. 28.

Russell, Obed M. (See Dean, S. A., and Russell.)

Ryback, Adolph W., assignor to T. L. Smith Company, Milwaukee, Wis. Mixing apparatus. 2,029,178; Jan. 28.

Sales, Gabriel E. R., New York, N. Y. Expansion device. 2,028,881; Jan. 28.

Sandura Company. (See Jackson, James J., assignor.)

Sautier, Emile, Lambesc, assignor to Manufacture de Machines du Haut-Rhin S. A., Mulhouse-Bourtzwiller, (Haut-Rhin, France). Manufacture of cartridge case cups. 1,028,956; Jan. 28.

Schaeffer, John, assignor to The Van Brunt Manufacturing Company, Horicon, Wis. Power lift clutch mechanism. 2,029,127; Jan. 28.

Schilling, Heinrich, Ludwigshafen-on-the-Rhine, and W. Stadler, Ziegelhausen-on-the-Neckar, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Separation of unsaturated hydrocarbons from gas mixtures containing the same. 2,029,120; Jan. 28.

Schlichenmaier, Hans. (See Krämicin, G., Schlichenmaier and Schörnig.)

Schmidt, Carl W., Buffalo, N. Y. Flowerpot making machine. 2,029,084; Jan. 28.

Schmitz, Albert J., Milwaukee, Wis. Building block. 2,028,907; Jan. 28.

Schneider, George. (See Dreyfus, C., and Schneider.)

Schneider, Henry J., Quincy, Mass. Steam generator. 2,029,025; Jan. 28.

Schneider, Joseph, Inc. (See Cochran, Clarence F., assignor.)

Schönfelder, Herbert, Leipzig, Germany, assignor to Elisabeth Tietze, née Friedrich, Molkau/Leipzig, Germany. Stamp. 2,029,128; Jan. 28.

Schörnig, Ludwig. (See Krämicin, G., Schlichenmaier, and Schörnig.)

Schulze, Walter A., and L. V. Chaney, assignors to Phillips Petroleum Company, Bartlesville, Okla. Sweetening hydrocarbon oils. 2,029,094; Jan. 28.

Schwartz, Nathan, New York, N. Y. Connecting an exhalation valve, separator, or similar element with the face piece of a respirator, gas mask, or the like. 2,029,129; Jan. 28.

Schwartz, Paul A., Flushing, N. Y. Switch mechanism. 2,029,130; Jan. 28.

Scott, Thomas R., and T. E. D. Menzies, Aldwych, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric cable. 2,029,048; Jan. 28.

Scott & Williams, Incorporated. (See Firsching, Joseph A., assignor.)

Scoville, Loren P., Flushing, assignor to The Texas Company, New York, N. Y. Bubble tray. 2,029,277; Jan. 28.

Scranton, De Hart G., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Processing of metal parts. 2,029,037; Jan. 28.

Seeger Refrigerator Company. (See Seeger, W. G., and Ahrens, assignors.)

Seeger, Walter G., and R. S. Ahrens, St. Paul, assignors to Seeger Refrigerator Company, St. Paul, Minn. Water cooler for refrigerators. 2,028,926; Jan. 28.

Seeman, Robert, Merrick, N. Y., and A. R. Wilson, Philadelphia, assignors to E. H. Pacy, Pittsburgh, Pa. Adjusting the length of structural members. 2,029,121; Jan. 28.

Segar, Lee, Troy, Pa. Handle. 2,029,189; Jan. 28.

Seitz, Frederick, Albany, N. Y. Jacking apparatus for motor vehicles. 2,028,980; Jan. 28.

Sell, Edwin A., Belleville, assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Eraser. 2,029,000; Jan. 28.

Serge, Igor B., Rochester, N. Y. Magnetic circuit and construction thereof. 2,029,283; Jan. 28.

Shafer, Samuel, Jr. (See Miller, A. R., and Shafer.)

Shaffer, Ernest L., Vinton, Iowa. Swinging door mechanism. 2,029,200; Jan. 28.

Shaffer, Ernest L., Vinton, Iowa. Swinging door mechanism. 2,029,201; Jan. 28.

Shannon, Ray A., Kansas City, Mo. Piano keyboard chart. 2,028,909; Jan. 28.

Shaw, John L., Crouch End, London, England. Shirt. 2,028,810; Jan. 28.

Shay, William T., Pekin, Ill. Flying decoy. 2,028,849; Jan. 28.

Sheaffer, Osborne H., assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Dust for centrifugal separators. 2,028,965; Jan. 28.

Shepard, David C., St. Paul, Minn. Bottom construction for laminated containers. 2,029,091; Jan. 28.

Shepherd, Chester G., Prosport, Ill. High pressure safety plunger cock. 2,029,202; Jan. 28.

Sheridan, T. W. & C. E., Company. (See Kleinsorg, Paul E., assignor.)

Sherts, James H., Tarentum, Pa., assignor to Duplate Corporation. Apparatus for making laminated glass. 2,028,926; Jan. 28.

Sherts, James H., Tarentum, Pa., assignor to Duplate Corporation. Apparatus for making laminated glass. 1,028,927; Jan. 28.

Sherwin-Williams Company, The. (See Todd, J. D., May, and Newbury, assignors.)

Shoemaker, Milton J., Madison, Wis., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y. Wrapper of transparent or ornamental character and making the same. 2,029,181; Jan. 28.

Simmons, Dual L. (See Simmons, Oliver G., assignor.)

Simmons, Leon E., Claremont, N. H., assignor to Sullivan Machinery Company. Cutter chain. 2,028,811; Jan. 28.

Simmons, Oliver G., Lakewood, Ohio, assignor, by mesne assignments, to D. L. Simmons. Method of and apparatus for generating hollow faced worms and the like. 2,028,929; Jan. 28.

Simmons, E. F., Company. (See Lynds, Fred H.)

Simons, Aaron, New York, N. Y. Process and apparatus for wire drawing. 2,029,089; Jan. 28.

Singer Manufacturing Company, The. (See Stearns, Jake H., assignor.)

Skelton, Owen E., Grosse Pointe Farms, Mich., assignor to Chrysler Corporation, Detroit, Mich. Wheel balance. 2,029,132; Jan. 28.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Drive mechanism for shaker conveyers. 2,029,133; Jan. 28.

Smalley, David E., Santa Ana, Calif. Keyhole illuminating means for doors. 2,029,002; Jan. 28.

Smith, George W., Pittsburgh, assignor to J. M. Hopwood, Dormont, Pa. Control system for boiler furnaces. 2,028,812; Jan. 28.

Smith, Lewis E., receiver. (See Storrie, William, assignor.)

Smith, T. L., Company. (See Ryback, Adolph W., assignor.)

Smyly, Arthur L., Chicago, Ill. Making a hard surfaced cement. 2,028,966; Jan. 28.

Società Italiana Pirelli. (See Corso, Giuseppe, assignor.)

Soderberg, Sten E. B., Passaic, assignor to Leslie Company, Lyndhurst, N. J. Temperature regulator. 1,029,203; Jan. 28.

Soler Manufacturing Corporation. (See Hetenyi, Paul, assignor.)

Solomon, Frank, New York, assignor to B. Brier, Long Beach, N. Y. Transfer ink. 2,029,204; Jan. 28.

Somerville, Ian C. (See Turley, H. G., and Somerville.)

Spalding, A. G., & Bros. (See Reach, William F., assignor.)

Spellmeyer, Erwin F. (See John, R., and Spellmeyer.)

Spiro, Harry, Chicago, Ill. Dentistry. 2,029,003; Jan. 28.

Stadler, Robert. (See Schilling, H., and Stadler.)

Standard Oil Company. (See Rogers, Francis M., assignor.)

Standard Oil Company, The. (See Rose, Bernard L., assignor.)

Standard Sanitary Manufacturing Company. (See Otte, Robert L., assignor.)

Stanley, Harry, Rocky River, and V. J. Moir, Cleveland Heights, Ohio. Tightening device. 2,029,134; Jan. 28.

Stanley, Harry, Rocky River, and V. J. Moir, Cleveland Heights, Ohio. Musical instrument. 2,029,135; Jan. 28.

Stapling Machines Co. (See Rosenmund, Alfred L., assignor.)

Stark, L. H. (See McDonald, William R., assignor.)

Stearns, Jake H., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Adjustable eccentric for sewing machines. 2,029,273; Jan. 28.

Stevens, Emmanuel, executrix. (See Stevens, Harry M.)

Stevens, Harry M., deceased, Schenectady, N. Y., by Emmanuel Stevens, executrix, Schenectady, N. Y., assignor to General Electric Company. Time element device. 2,029,136; Jan. 28.

Stevens, Harry M., deceased, E. Stevens, executrix, Schenectady, N. Y., assignor to General Electric Company. Electroresponsive device. 2,029,137; Jan. 28.

Stickel, Carl A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,029,279; Jan. 28.

Stillwell, George R., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Photo-electric tube. 2,029,040; Jan. 28.

Stokes and Smith Company. (See Rider, Ernest G., assignor.)

Storey, Ralph C. (See Ellis, G. H., and Storey.)

Storvic, William, Providence, R. I., assignor to L. E. Smith, receiver for Apco Mossberg Corporation. Brake shoe centralizing device. 2,029,148; Jan. 28.

Stout, Mark W., Jr., assignor of forty one-hundredths to J. C. Wynecoop, Wellpinit, Wash. Grading machine. 2,029,122; Jan. 28.

Stratford, Herbert R., assignor to H. B. Fay, Cleveland, Ohio. Stabilizing sheet vulcanized fiber. 2,028,932; Jan. 28.

Strieby, Maurice H., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Loaded transmission line. 2,029,041; Jan. 28.

Stuart, Robert, Forest Hills, N. Y. Sheet feeding and delivering mechanism. 2,028,813; Jan. 28.

Stuck, Harold D., assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Fitting Jordan shell linings. 2,028,113; Jan. 28.

Sullivan Machinery Company. (See Simmons, Leon E., assignor.)

Summer, Henry C., Wyberton, F. J. Taylor, and F. Langley, Kirton, England. Coin-freed delivery machine. 2,029,205; Jan. 28.

Sussin, Max H., assignor of one-half to F. L. Barchard, Chicago, Ill. Pressure fluid supply system and apparatus. 2,029,085; Jan. 28.

Svensson, Sjuna, Hissmosterna, Krokom, Sweden. Method of and an apparatus for charging cellulose digesters or the like. 2,029,066; Jan. 28.

Swan, George W., Flat Rock, Mich. Oscillating cultivator. 2,028,987; Jan. 28.

Swan, Otto, and F. Pollitzer, New York, N. Y. Dental restoration. 2,028,882; Jan. 28.

Sweet, Harold E. (See Lynds, Fred H., assignor.)

Szabo, Gustave V., New York, N. Y. Ash receptacle. 2,029,189; Jan. 28.

Tanning Process Company, The. (See Merritt, Matthew M., assignor.)

Tate, Edward H., Malden, Mass. Mop. 2,028,983; Jan. 28.

Taylor, Frederick J. (See Sumner, H. C., Taylor, and Langley.)

Taylor, John J., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Vibration damper and process of assembly. 2,028,930; Jan. 28.

Taylor, John J., Wadsworth, assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 2,028,931; Jan. 28.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Böhm, Otto, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Runge, W., and Poboutsch, assignors.)

Texas Company, The. (See Carlstrom, John, assignor.)

Texas Company, The. (See Drake, Rollin L., assignor.)

Texas Company, The. (See Scoville, Loren P., assignor.)

Thomas, George J., Birmingham, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,029,067; Jan. 28.

Thomas, Ralph B., assignor to Hygrade Sylvania Corporation, Salem, Mass. Lamp, tube, and similar devices. 2,028,884; Jan. 28.

Thompson, Jesse C. (See Kramer, P. H., and Thompson.)

Tietze, Elisabeth, née Friedrich. (See Schlenfelder, Herbert, assignor.)

Todd, James D., L. E. May, and W. L. Newbury, assignors to The Sherwin-Williams Company, Chicago, Ill. Manufacture of azo colors. 2,028,958; Jan. 28.

Todd, James D., L. E. May, and W. L. Newbury, assignors to The Sherwin-Williams Company, Chicago, Ill. Manufacture of azo colors. 2,028,959; Jan. 28.

Treanor, Edward D., Pittsfield, Mass., assignor to General Electric Company. Bushing for transformer casings. 2,029,140; Jan. 28.

Tremblay, Albert F., Union City, Ind. Glass feeding shelf. 2,028,960; Jan. 28.

Trouser Waist-Band Machine Co. Inc. (See Galkin, Joseph, assignor.)

Trusvend Limited. (See Hillhouse, Guy, assignor.)

Turley, Harold G., Moorestown, N. J., and I. C. Somerville, Fox Chase, assignors to Röhm & Haas Company, Philadelphia, Pa. Tanning. 2,029,068; Jan. 28.

Turner, William, Longsight, Manchester, England. Variable speed mechanism. 2,029,042; Jan. 28.

Twin Coach Company. (See Fageol, F. R., and W. B., assignors.)

Ulfers, Ira, Milwaukee, Wis. Rope lock. 2,028,885; Jan. 28.

Underpinning & Foundation Company. (See Raisch, W., and Fudeler, assignors.)

Union Special Machine Company. (See Hachlander, Hans, assignor.)

Union Special Machine Company. (See Le Vesconte, Harold J., assignor.)

Union Switch & Signal Company, The. (See Livingston, John W., assignor.)

United Research Corporation. (See Gillette, Clyde F., assignor.)

United Shoe Machinery Corporation. (See Goulthwaite, Joseph, assignor.)

United Shoe Machinery Corporation. (See Hadaway, John R., assignor.)

United Shoe Machinery Corporation. (See Hallam, H., and James, assignors.)

United Shoe Machinery Corporation. (See MacKenzie, Fred L., assignor.)

United Shoe Machinery Corporation. (See Ricks, F., and Jones, assignors.)

United States Gypsum Company. (See Anning, Harold E., assignor.)

U. S. Hydrogenation Corporation. (See McKee, Ralph H., assignor.)

Universal Oil Products Company. (See Day, Roland B., assignor.)

Universal Oil Products Company. (See Grosse, Aristid V., assignor.)

Universal Oil Products Company. (See Kinnaird, William R., assignor.)

Universal Oil Products Company. (See Morrell, Jacque C., assignor.)

Utilities Service Company. (See Nye, L. W., and Miller, assignors.)

Van Brunt Manufacturing Company, The. (See Schaeffer, John, assignor.)

Vander Cook, Raymond R., Inkster, and A. M. Lawson, Trenton, Mich., assignors to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Purification of caustic soda solutions. 2,028,898; Jan. 28.

Varni, Alfredo, Pallanza, Italy. Method of and apparatus for molding concrete. 2,029,004; Jan. 28.

Vickers, Harry F., Detroit, Mich. Machine tool feed. 2,028,850; Jan. 28.

Vincent, Charles H., Utica, assignor to Packard Motor Car Company, Detroit, Mich. Door locking means. 2,028,852; Jan. 28.

Vincent, William J., assignor to Rochester Telephone Corporation, Rochester, N. Y. Telephone pay station apparatus. 2,028,851; Jan. 28.

Von Boose, Julius, Hermsdorf, Bollitz, and E. Richter, Leipzig, Germany, assignors to La Dispersion Cathodique, Brussels, Belgium. Forming thin metallic films by cathode disintegration. 2,028,868; Jan. 28.

Von Platen, Baltzar C. (See Alm, Johan H., assignor.)

Wagner, Cary R., assignor to The Pure Oil Company, Chicago, Ill. Polymerization of unsaturated hydrocarbons. 2,028,886; Jan. 28.

Waite & Bartlett Y-Ray Manufacturing Company. (See Goldfield, H. R., and Horsley, assignors.)

Walden, George H., Jr. (See Bunce, E. T., Walden, and Hammett.)

Walker, Charles R., assignor to Abrasive Products, Inc., South Braintree, Mass. Treating crystalline abrasives and treated product. 2,029,268; Jan. 28.

Walter, Paul. (See Eustis, W., and Walter.)

Warner, Earl S., Valleyville, Conn., assignor to Air-Flo Corporation, Boston, Mass. Device for spraying. 2,029,141; Jan. 28.

Watson, Claude G. (See Jenkins, Thomas M., assignor.)

Webber, Harriet A., Coronado, Calif. Knitting needle stitch holder. 2,029,005; Jan. 28.

Wedlake, Fred R., and H. Hart, Hyelcth, Minn. Latching and righting mechanism for dump cars. 2,029,006; Jan. 28.

Weinand, Klaus, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Anthrapyridone sulphonic acids and making them. 2,029,007; Jan. 28.

Weirauch, August F., Milwaukee, Wis. Sink support. 2,029,009; Jan. 28.

Welliver, Le Roy, et al. (See Dean, S. A., and Russell.)

Wemhöner, Wilhelm, Berlin, Germany. Carburetor for combustion engines. 2,029,142; Jan. 28.

Wendell, Rene E., Wilmette, and F. Hlavacek, Jr., Evanston, Ill.; said Wendell assignor to said Hlavacek. Flower support. 2,029,043; Jan. 28.

Westcott, William O. (See Graham, O. M., Price, and Westcott.)

Western Cartridge Company. (See Olsen, Frodrick, assignor.)

Western Electric Company. (See Serantoni, De Hart G., assignor.)

Western Paper Converting Company. (See Galloway, Robert L., assignor.)

Western Paper Converting Company. (See Rehm, Hays, assignor.)

Westinghouse Lamp Company. (See Blackburn, Philip W., assignor.)

Westlinning, Aaten, Lautawerk/Lausitz, Germany. Making cables. 2,029,044; Jan. 28.

Wheeler, Harley T., Dallas, Tex. Making of packing rings. 2,028,961; Jan. 28.

Whitney Metal Tool Company. (See Jensen, John, assignor.)

Whyte, Samuel, Redhill, Surrey, assignor to Electric and Musical Industries Limited, Middlesex, England. Sound record. 2,028,884; Jan. 28.

Wichmann, John C., Chicago, Ill. Air conditioner. 2,028,814; Jan. 28.

Wickersham, Harry P. (See Burns, E., and Wickersham.)

Wicks, Milton O., Glen Cove, N. Y. Venetian blind and mechanism for operating the same. 2,029,143; Jan. 28.

Wiegand, Erich, Berlin-Wilhelmsaue/Mark, Germany, assignor to General Electric Company. Electric discharge device or vacuum tube. 2,029,144; Jan. 28.

Wilder, Roy F., et al. (See Dean, S. A., and Russell.)

Williams, George N., assignor to Continental Steel Corporation, Kokomo, Ind. Method and machine for drawing or pulling wire. 2,029,206; Jan. 28.

Williams, Philip S., Oakland, Calif. Apparatus for measuring temperatures. 2,028,887; Jan. 28.

Wilson, Allen R. (See Seaman, R., and Wilson.)

Wilson, George B., and E. C. Bigsby, Erie, Pa. Motor. 2,029,145; Jan. 28.

Wilson, Ralph A., Chicago, Ill., assignor of one-half to George A. Christian, Moline, for and method of masking. 2,029,006; Jan. 28.

Winter, Arthur, Weehawken, N. J. Mechanical pencil. 2,028,855; Jan. 28.

Wirrer, Gottfried, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Water cooling system for internal combustion engines. 2,029,146; Jan. 28.

Wolff, Hugo. (See Kocherle, K., Wolff, and Krauch.)

Wood, Charles R., Red Boiling Springs, Tenn. Safety watch pocket for garments. 2,029,207; Jan. 28.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web roll speed control. 2,029,045; Jan. 28.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web splicing device. 2,029,046; Jan. 28.

Wood, John M., Cranston, assignor to Franklin Process Company, Providence, R. I. Valve. 2,028,815; Jan. 28.

Wood, Joseph D., Bethlehem, Pa. assignor to Roller-Smith Company. Circuit breaker. 2,028,963; Jan. 28.

Wood, Joseph H., Jr. (See Howe, R. W., Love, and Wood.)

Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)

Woodall, Herbert J., and M. S. Randall, assignors to Woodall Industries Incorporated, Detroit, Mich. Laminated panel. 2,028,983; Jan. 28.

Woodall Industries Incorporated. (See Randall, Meredith S., assignor.)

Woodall Industries Incorporated. (See Woodall, H. J., and Randall, assignors.)

Woods, Fred, Richmond, England, assignor to Radio Corporation of America. Radio direction finder. 2,028,856; Jan. 28.

Wright, Bryan N., et al. (See Hyatt, Benjamin S., assignor.)

Wright, Kindy C., St. Paul, Minn. Humidifying heat-saver. 2,029,208; Jan. 28.

Wynecoop, John C. (See Stout, Mark W., Jr., assignor.)

Yarnall-Waring Company. (See Archer, Alfred L., assignor.)

Yawman & Erbe Mfg. Co. (See Roscoe, Edwin S., assignor.)

Yewell, Paul R., Los Angeles, Calif. Separating minerals from ores. 2,029,080; Jan. 28.

Young, William G. (See Hansen, M., and Pollon, assignors.)

Yow, William P., Winston-Salem, N. C. Extension table. 2,029,280; Jan. 28.

Zak, Richard F., Westfield, Mass. Door service indicator. 2,029,209; Jan. 28.

Zworykin, Vladimir K., Haddonfield, N. J., assignor to Radio Corporation of America. Electrical communication system. 2,028,857; Jan. 28.

Sherrie, William, Providence, R. I., assignor to L. R. Smith, receiver for Apco Mossberg Corporation. Brake shoe centralizing device. 2,029,128; Jan. 28.

Stout, Mark W., Jr., assignor of forty one-hundredths to J. C. Wynecoop, Wellpinit, Wash. Grading machine. 2,029,122; Jan. 28.

Stratford, Herbert R., assignor to H. B. Fay, Cleveland, Ohio. Stabilizing sheet vulcanized fiber. 2,028,982; Jan. 28.

Strieby, Maurice E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Loaded transmission line. 2,029,041; Jan. 28.

Stuart, Robert, Forest Hills, N. Y. Sheet feeding and delivering mechanism. 2,028,813; Jan. 28.

Stuck, Harold D., assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Fitting Jordan shell linings. 2,029,128; Jan. 28.

Sullivan Machinery Company. (See Simmons, Leon E., assignee.)

Sumner, Henry C., Wyberton, F. J. Taylor, and F. Langley, Kirton, England. Coin-freed delivery machine. 2,029,206; Jan. 28.

Sussin, Max H., assignor of one-half to F. L. Barchard, Chicago, Ill. Pressure fluid supply system and apparatus. 2,029,085; Jan. 28.

Svensson, Sjuna, Hlumeofors, Krokom, Sweden. Method of and an apparatus for charging cellulose digesters or the like. 2,029,066; Jan. 28.

Swan, George W., Flat Rock, Mich. Oscillating cultivator. 2,028,967; Jan. 28.

Swan, Otto, and F. Pollitzer, New York, N. Y. Dental restoration. 2,028,883; Jan. 28.

Sweet, Harold E. (See Lynde, Fred H., assignor.)

Szabo, Gustave V., New York, N. Y. Ash receptacle. 2,029,139; Jan. 28.

Tanning Process Company, The. (See Merritt, Matthew M., assignor.)

Tate, Edward H., Malden, Mass. Mop. 2,028,983; Jan. 28.

Taylor, Frederick J. (See Sumner, H. C., Taylor, and Langley.)

Taylor, John J., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Vibration damper and process of assembly. 2,028,930; Jan. 28.

Taylor, John J., Wadsworth, assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 2,028,931; Jan. 28.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Böhm, Otto, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Runge, W., and Pobontsch, assignors.)

Texas Company, The. (See Carlstrom, John, assignor.)

Texas Company, The. (See Drake, Rollin L., assignor.)

Texas Company, The. (See Scoville, Loren P., assignor.)

Thomas, George J., Birmingham, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,029,087; Jan. 28.

Thomas, Ralph B., assignor to Hygrade Sylvania Corporation, Salem, Mass. Lamp, tube, and similar devices. 2,028,884; Jan. 28.

Thompson, Jesse C. (See Kramer, P. H., and Thompson.)

Tietze, Elizabeth, née Friedrich. (See Schönfelder, Herbert, assignor.)

Todd, James D., L. E. May, and W. L. Newbury, assignors to The Sherwin-Williams Company, Chicago, Ill. Manufacture of azo colors. 2,028,968; Jan. 28.

Todd, James D., L. E. May, and W. L. Newbury, assignors to The Sherwin-Williams Company, Chicago, Ill. Manufacture of azo colors. 2,028,969; Jan. 28.

Treanor, Edward D., Pittsfield, Mass., assignor to General Electric Company. Bushing for transformer casings. 2,029,140; Jan. 28.

Tremblay, Albert F., Union City, Ind. Glass feeding shelf. 2,028,980; Jan. 28.

Trouser Waist-Band Machine Co. Inc. (See Galkin, Joseph, assignor.)

Trusound Limited. (See Hillhouse, Guy, assignor.)

Turley, Harold G., Moorestown, N. J., and I. C. Somerville, Fox Chase, assignors to Röhm & Haas Company, Philadelphia, Pa. Tanning. 2,029,068; Jan. 28.

Turner, William, Longsight, Manchester, England. Variable speed mechanism. 2,029,042; Jan. 28.

Twin Coach Company. (See Fageol, F. R., and W. R., assignors.)

Ulfers, Ira, Milwaukee, Wis. Rope lock. 2,028,885; Jan. 28.

Underpinning & Foundation Company. (See Raisch, W., and Fedeler, assignors.)

Union Special Machine Company. (See Hachlander, Hans, assignor.)

Union Special Machine Company. (See Le Vesconte, Harold J., assignor.)

Union Switch & Signal Company, The. (See Livingston, John W., assignor.)

United Research Corporation. (See Gillette, Clyde F., assignor.)

United Shoe Machinery Corporation. (See Gouldbourn, Joseph, assignor.)

United Shoe Machinery Corporation. (See Hadaway, John R., assignor.)

United Shoe Machinery Corporation. (See Hallam, H., and James, assignors.)

United Shoe Machinery Corporation. (See MacKenzie, Fred L., assignor.)

United Shoe Machinery Corporation. (See Ricks, F., and Jones, assignors.)

United States Gypsum Company. (See Anning, Harold E., assignor.)

U. S. Hydrogenation Corporation. (See McKee, Ralph H., assignor.)

Universal Oil Products Company. (See Day, Roland B., assignor.)

Universal Oil Products Company. (See Grosse, Aristid V., assignor.)

Universal Oil Products Company. (See Kinnaird, William E., assignor.)

Universal Oil Products Company. (See Merrell, Jacque C., assignor.)

Utilities Service Company. (See Nye, I. W., and Miller, assignors.)

Van Brunt Manufacturing Company, The. (See Schaeffer, John, assignor.)

Vander Cook, Raymond R., Inkster, and A. M. Lawson, Trenton, Mich., assignors to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Purification of caustic soda solutions. 2,028,898; Jan. 28.

Varni, Alfredo, Pallanza, Italy. Method of and apparatus for molding concrete. 2,029,004; Jan. 28.

Vickers, Harry R., Detroit, Mich. Machine tool feed. 2,028,850; Jan. 28.

Vincent, Charles H., Utica, assignor to Packard Motor Car Company, Detroit, Mich. Door locking means. 2,028,852; Jan. 28.

Vincent, William J., assignor to Rochester Telephone Corporation, Rochester, N. Y. Telephone pay station apparatus. 2,028,851; Jan. 28.

Von Bonet, Julius, Strassburg, Baden, and K. Richter, Leipzig, Germany, assignors to La Dispersion Catalytique, Dranoutre, Belgium. Forming thin metallic films by cathode disintegration. 2,028,848; Jan. 28.

Von Platen, Baltzar C. (See Alm, Johan E., assignor.)

Wagner, Cary R., assignor to The Pure Oil Company, Chicago, Ill. Polymerization of unsaturated hydrocarbons. 2,028,886; Jan. 28.

Waite & Bartlett X-Ray Manufacturing Company. (See Goldfield, E. E., and Hornby, assignors.)

Walden, George H., Jr. (See Bonne, H. T., Walden, and Hammett.)

Walker, Charles R., assignor to Abrasive Products, Inc., South Braintree, Mass. Treating crystalline abrasives and treated product. 2,029,203; Jan. 28.

Walter, Paul. (See Eastis, W., and Walter.)

Warner, Karl S., Yalesville, Conn., assignor to Air-Flo Corporation, Boston, Mass. Device for spraying. 2,029,141; Jan. 28.

Watson, Claude G. (See Jenkins, Thomas M., assignor.)

Webber, Harriett A., Coronado, Calif. Knitting needle stitch holder. 2,029,096; Jan. 28.

Wedlake, Fred E., and H. Hart, Eveleth, Minn. Latching and righting mechanism for dump cars. 2,029,066; Jan. 28.

Weinand, Klaus, Leverkusen-I. G. Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Anthrapyridone sulphonic acids and making them. 2,029,067; Jan. 28.

Weirauch, August F., Milwaukee, Wis. Sink support. 2,029,069; Jan. 28.

Welliver, Le Roy, et al. (See Dean, S. A., and Russell.)

Wemböner, Wilhelm, Berlin, Germany. Carburetor for combustion engines. 2,029,142; Jan. 28.

Wendell, René R., Wilmette, and P. Hlavacek, Jr., Evanston, Ill.; said Wendell assignor to said Hlavacek. Flower support. 2,029,043; Jan. 28.

Westcott, William O. (See Graham, G. M., Price, and Westcott.)

Western Cartridge Company. (See Olson, Frederick, assignor.)

Western Electric Company. (See Scranton, De Hart G., assignor.)

Western Paper Converting Company. (See Galloway, Robert L., assignor.)

Western Paper Converting Company. (See Rahm, Hays, assignor.)

Westinghouse Lamp Company. (See Blackburn, Philip W., assignor.)

Westlinning, Autes, Lautawerk/Lausitz, Germany. Making cables. 2,029,044; Jan. 28.

Wheeler, Harley T., Dallas, Tex. Making of packing rings. 2,028,961; Jan. 28.

Whitney Metal Tool Company. (See Jensen, John, assignor.)

Whyte, Samuel, Redhill, Surrey, assignor to Electric and Musical Industries Limited, Middlesex, England. Sound record. 2,028,854; Jan. 28.

Wichmann, John C., Chicago, Ill. Air conditioner. 2,028,814; Jan. 28.

Wichersham, Harry P. (See Burns, E.; and Wichersham.)

Wicks, Milton G., Glen Cove, N. Y. Venetian blind and mechanism for operating the same. 2,029,142; Jan. 28.

Wiegand, Erich, Berlin-Wahlmannslust, Germany, assignor to General Electric Company. Electric discharge device or vacuum tube. 2,029,144; Jan. 28.

Wilder, Roy F., et al. (See Dean, S. A., and Russell.)

Williams, George N., assignor to Continental Steel Corporation, Kokomo, Ind. Method and machine for drawing or pulling wire. 2,029,206; Jan. 28.

Williams, Philip S., Oakland, Calif. Apparatus for measuring temperatures. 2,028,887; Jan. 28.

Williams, Philip S., and O. W. Johnson, Palo Alto, Calif. Apparatus for measuring temperatures. 2,028,887; Jan. 28.

Wilson, Allen R. (See Spencer, R., and Wilson.)

Wilson, George B., and R. C. Bagley, Erie, Pa. Motor. 2,029,145; Jan. 28.

Wilson, Ralph A., Chicago, Ill., assignor of one-half to George A. Chrittan. Means for and method of masking. 2,029,008; Jan. 28.

Winter, Arthur, Weehawken, N. J. Mechanical pencil. 2,028,859; Jan. 28.

Wirrer, Gottfried, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Water cooling system for internal combustion engines. 2,029,146; Jan. 28.

Wolf, Hugo. (See Koeberle, K., Wolf, and Krauch.)

Wood, Charles B., Red Boiling Springs, Tenn. Safety watch pocket for garments. 2,029,207; Jan. 28.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web roll speed control. 2,029,045; Jan. 28.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web splicing device. 2,029,046; Jan. 28.

Wood, John M., Cranston, assignor to Franklin Process Company, Providence, R. I. Valve. 2,028,815; Jan. 28.

Wood, Joseph D., Bethlehem, Pa., assignor to Roller-Smith Company. Circuit breaker. 2,028,963; Jan. 28.

Wood, Joseph H., Jr. (See Howe, R. W., Love, and Wood.)

Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)

Woodall, Herbert J., and M. S. Randall, assignors to Woodall Industries Incorporated, Detroit, Mich. Laminated panel. 2,028,962; Jan. 28.

Woodall Industries Incorporated. (See Randall, Meredith S., assignor.)

Woodall Industries Incorporated. (See Woodall, H. J., and Randall, assignors.)

Woods, Fred, Richmond, England, assignor to Radio Corporation of America. Radio direction finder. 2,028,856; Jan. 28.

Wright, Bryan N., et al. (See Hyatt, Benjamin S., assignor.)

Wright, Kindy C., St. Paul, Minn. Humidifying heat-saver. 2,029,208; Jan. 28.

Wynecoop, John C. (See Stout, Mark W., Jr., assignor.)

Yarnall-Waring Company. (See Aicher, Alfred L., assignor.)

Yawman & Erbe Mfg. Co. (See Roscoe, Edwin S., assignor.)

Yewell, Paul R., Los Angeles, Calif. Separating minerals from ores. 2,029,090; Jan. 28.

Young, William C. (See Hammel, M., and Pollon, assignors.)

Yow, William P., Winston-Salem, N. C. Extension table. 2,029,290; Jan. 28.

Zak, Richard F., Westfield, Mass. Door service indicator. 2,029,209; Jan. 28.

Zworykin, Vladimir K., Haddonfield, N. J., assignor to Radio Corporation of America. Electrical communication system. 2,028,857; Jan. 28.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid concentration, Nitric. L. Hechenbleikner. 19,837; Jan. 28.
Brake mechanism. W. H. Bassit. 19,835; Jan. 28.
Decalcomania. J. F. McNutt. 19,839; Jan. 28.
Fruit press. B. L. McKinstry. 19,838; Jan. 28.
Ornamental device for decorative purposes, Illuminated. R. J. Graf. 19,836; Jan. 28.
Tripod and fabric cover, Lamp. H. J. Wyatt. 19,840; Jan. 28.

LIST OF DESIGN INVENTIONS

Alphabet for forming monograms for wearing apparel or similar article, Decorative. C. Kenney. 98,305; Jan. 28.
Applique emblem or similar article for wearing apparel. C. Kenney. 98,309–5; Jan. 28.
Book end. K. L. Cooley. 98,284; Jan. 28.
Booth, Restaurant. M. Hisco. 98,372; Jan. 28.
Bottle. F. S. Barbiere. 98,382; Jan. 28.
Bottle. F. W. Gray. 98,296; Jan. 28.
Bottle. M. F. Stoner. 98,373; Jan. 28.
Brooch or similar article. J. W. Taylor. 98,374; Jan. 28.
Bucket or the like, Wine cooling. L. Guild. 98,315; Jan. 28.
Buckle. S. Putman. 98,368; Jan. 28.
Cabinet, Greasing apparatus. C. W. Ginter. 98,310; Jan. 28.
Cabinet, Refrigerator. R. E. Kruck. 98,321; Jan. 28.
Camera. G. E. Scheibell. 98,369; Jan. 28.
Case, Boudoir. M. C. Meyer. 98,380; Jan. 28.
Chest or similar article. M. C. Pumphrey. 98,366; Jan. 28.
Chopper, Food. R. W. Griswold. 98,313; Jan. 28.
Coat. A. Sisselman. 98,404–5; Jan. 28.
Container for sewers. P. W. Smith. 98,400; Jan. 28.
Cup, Paper. V. Heidrich. 98,323; Jan. 28.
Dish. L. Guild. 98,321; Jan. 28.
Dress. D. W. Price. 98,364; Jan. 28.
Dress. D. W. Price. 98,400–1; Jan. 28.
Dress. W. S. Woolfe. 98,412; Jan. 28.
Dress. M. Zahn. 98,413; Jan. 28.
Dresser or similar article. M. C. Pumphrey. 98,367; Jan. 28.
Emblem. A. J. Daniels. 98,294; Jan. 28.
Fabric, Upholstery. W. Guthrie. 98,314; Jan. 28.
Fender guide. G. F. Bahr. 98,288; Jan. 28.
Gauge, Air line. W. H. Longstreet. 98,290; Jan. 28.
Glass. J. B. Clark. 98,293; Jan. 28.
Glove. J. J. Fox. 98,301; Jan. 28.
Heater, Circulation. D. J. Howard. 98,297; Jan. 28.
Hook, Boot. J. A. Farnum. 98,389; Jan. 28.
Housing, Combination weiner roasting apparatus and display. L. J. Bohannon. 98,290; Jan. 28.
Jewelry charm or similar article. J. W. Taylor. 98,375; Jan. 28.
Kit, Sewing. G. Amato. 98,300; Jan. 28.
Lace. B. Edson. 98,298; Jan. 28.
Lace. F. Gehring. 98,302; Jan. 28.
Lace. H. W. Hucknall. 98,326; Jan. 28.
Lace. J. Waterfield. 98,378; Jan. 28.
Lace. J. D. Wiener. 98,379; Jan. 28.
Light, Dome. B. S. Floraday. 98,306; Jan. 28.
Lighter or the like, Pocket. T. M. Gibson. 98,303; Jan. 28.
Lighting fixture. A. A. Johnson. 98,320; Jan. 28.
Lighting unit. J. W. Gosling. 98,294; Jan. 28.
Mirror or the like, Hand. C. H. Lawrence. 98,398; Jan. 28.
Musical instrument. R. Doppers. 98,295–6; Jan. 28.
Musical instrument. V. Seaver. 98,370; Jan. 28.
Nonrepeating indicator. A. E. Babcock. 98,381; Jan. 28.
Pad, Memorandum. L. Guild. 98,316; Jan. 28.
Platter. L. Guild. 98,322; Jan. 28.
Rack, Display. S. C. Harley. 98,397; Jan. 28.
Rack, Necktie. A. E. Brothers. 98,383; Jan. 28.
Radiator or similar article. M. Stefanczyk. 98,406–10; Jan. 28.
Seat, Cycle saddle. R. W. Faulhaber. 98,306; Jan. 28.
Seat, Cycle saddle. R. W. Faulhaber. 98,387–90; Jan. 28.
Service station. L. D. Long. 98,358; Jan. 28.
Shaker, Combined salt and pepper. H. J. Bilson. 98,299; Jan. 28.
Shoe. H. D. Baldwin. 98,300; Jan. 28.
Shoe. P. Borda. 98,291–2; Jan. 28.
Shoe. J. Fishman. 98,307; Jan. 28.
Shoe. M. S. Goldman. 98,311–12; Jan. 28.
Shoe. A. Hurwelier. 98,327; Jan. 28.
Shoe. N. F. Liberty. 98,332–37; Jan. 28.
Shoe. J. McGee. 98,359; Jan. 28.
Shoe. A. Turiansky. 98,376–7; Jan. 28.
Shoe or similar article. C. G. Hirshman. 98,324; Jan. 28.
Stand, Display. R. E. Sieve. 98,371; Jan. 28.
Stand, Smoking. R. Schultz. 98,402–3; Jan. 28.
Standard, Milling machine. R. P. Graves. 98,305; Jan. 28.
Stove. J. Tiberio. 98,411; Jan. 28.
Table. M. C. Pumphrey. 98,365; Jan. 28.
Temple and temple support for an ophthalmic mounting, Combined. E. M. Spitzing. 98,407; Jan. 28.
Textile fabric. A. C. Kaplan. 98,320; Jan. 28.
Textile fabric or similar article of manufacture. J. F. Gaul, Jr. 98,309; Jan. 28.
Tray. L. Guild. 98,317; Jan. 28.
Tray. L. Guild. 98,319–20; Jan. 28.
Tray and lighter, Combination ash. W. A. Inglis and E. H. Bathke. 98,328; Jan. 28.
Tray, Ash. L. Guild. 98,318; Jan. 28.
Tray, Ash. J. H. Horsley. 98,325; Jan. 28.
Tray or similar article, Ash. M. C. Meyer. 98,381; Jan. 28.
Valve body, Plug. S. J. Nordstrom. 98,362–3; Jan. 28.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF JANUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid anhydride condensation product and making the same, Polyhydric alcohol-polybasic acid-monobasic aliphatic. G. F. Hoffman. 2,028,906; Jan. 28.
Acid, Concentrating acetic. D. F. Othmer. 2,028,889–3; Jan. 28.
Acid manufacture, Sulphuric. C. E. Clark. 2,028,739; Jan. 28.
Acid, Synthesis of formic acid. H. Dreyfus. 2,028,766–8; Jan. 28.
Acids and making them, Anthraquinone sulphonic. E. Weinand. 2,029,697; Jan. 28.
Acids, Production of anhydrous. H. Herrmann and R. Hess. 2,029,073; Jan. 28.
Adhesive applying mechanism. R. G. Rider. 2,028,978; Jan. 28.
Adhesive tape and gauze dressings, Making. W. Kuntz and P. Walter. 2,028,290; Jan. 28.
Adjustable head support. J. C. Hintz. 2,028,979; Jan. 28.
Air conditioner. J. C. Wichmann. 2,028,914; Jan. 28.
Air vent for pipe lines under pressure, Automatic. B. Clevenger. 2,029,188; Jan. 28.
Aircraft. Heavy-crash construction for. H. M. Atwood. 2,029,213; Jan. 28.
Alarm, Electric fire. J. Garner. 2,029,697; Jan. 28.
Alizarin and its salts, Preparation of. D. G. Rogers. 2,028,879; Jan. 28.
Animal tissues, Preservation of. S. Sisslan. 2,029,248; Jan. 28.
Annealer, Bright. P. J. Heintzen. 2,028,941; Jan. 28.
Antenna. O. Beam. 2,029,015; Jan. 28.
Anthraquinone derivatives. O. Kränzlein, H. Schlichenmaier, and L. Schönig. 2,029,239; Jan. 28.
Aquarium. P. Neumann. 2,028,913; Jan. 28.
Articles, Apparatus for treating. T. C. Welch. 2,028,881; Jan. 28.
Ash receptacle. G. V. Shelp. 2,029,139; Jan. 28.
Asphalt, Making. R. L. Rose. 2,028,927; Jan. 28.
Automatic valve. A. J. Logette and E. H. Dalston. 2,028,858; Jan. 28.
Automobile insulation and floor board. C. J. Justheim. 2,029,024; Jan. 28.
Bag structure. R. L. Galloway. 2,028,974; Jan. 28.
Ball bearing. R. Arnou. 2,028,944; Jan. 28.
Bar clamp for bits. J. O. Ohlen. 2,029,192; Jan. 28.
Bearing; *See*—
Ball bearing. Radial plate bearing.
Cylindrical roller bearing.
Bearing and seal, Antifriction. F. O. Hughes. 2,029,073; Jan. 28.
Bearing for grease lubrication, Radial plain. N. A. Palmgren. 2,029,275; Jan. 28.
Bender. A. J. Root. 2,029,821; Jan. 28.
Dexter, Motor-driven. A. E. Church. 2,029,147; Jan. 28.
Bending brake. J. Jensen. 2,028,908; Jan. 28.
Beverage mixing device. M. J. Helmes. 2,029,234; Jan. 28.
Binding, Notebook. H. Rehm. 2,028,894; Jan. 28.
Bituminous mixing, Apparatus for. W. M. Hardcock and G. Loeffler, Jr. 2,028,743; Jan. 28.
Blind and mechanism for operating the same, Venetian. M. O. Wicks. 2,029,148; Jan. 21.
Block; *See*—
Building block.
Blowpipe tips, Making cutting. L. Campbell, Jr. 2,028,154; Jan. 28.
Board; *See*—
Leveling board.
Board and method of manufacture, Pressed fiber. E. T. Pollock. 2,029,024; Jan. 28.
Boat suspension structure, Flying. R. J. W. Ramsdale. 2,028,276; Jan. 28.
Books, re-covering. M. Herzberg. 2,029,181; Jan. 28.
Bottom construction for laminated containers. D. C. Shepard. 2,029,001; Jan. 28.
Bottom construction for the boat bodies of hydroairplanes, Cellular. H. M. Atwood. 2,029,047; Jan. 28.
Bottle holder. A. C. Blevins. 2,029,051; Jan. 28.
Braiding machine carrier. R. W. Hale. 2,028,734; Jan. 28.
Brake; *See*—
Bending brake. Hydraulic brake.
Brake for automobiles, Hydraulic safety. U. C. Hughes. 2,029,070; Jan. 28.
Brake mechanism. G. J. Thomas. 2,029,037; Jan. 28.
Brake shoe centralizing device. W. Roberts. 2,029,152; Jan. 28.
Breather valve. J. D. Crecca and S. M. Phillips. 2,028,784–6; Jan. 28.
Bridge construction. C. P. Disney. 2,028,741; Jan. 28.
Brush for motors and generators. A. V. Lundquist. 2,029,171; Jan. 28.
Bucket, Spinning. V. Panoff. 2,029,185; Jan. 28.
Building block. A. J. Schmitz. 2,028,927; Jan. 28.
Building construction. H. E. Aanjaz. 2,029,060; Jan. 28.
Bumper device, Automobile. W. L. Morrison. 2,028,945; Jan. 28.
Burner; *See*—
Oil burner.
Bushing for transformer casings. R. D. Treanor. 2,029,149; Jan. 28.
Buttons, Making shank. R. F. Conner. 2,029,255; Jan. 28.
Cable, Electric. T. R. Scott and T. R. D. Measles. 2,029,088; Jan. 28.
Cable, Interference preventing. J. J. Mascuch. 2,028,793; Jan. 28.
Cables, Making. A. Westlinning. 2,029,044; Jan. 28.
Camera attachment. J. Cree and J. W. Horn. 2,029,222; Jan. 28.
Camera mechanism. T. Kerling. 2,029,238; Jan. 28.
Camera, Photographic. M. Burger. 2,028,762; Jan. 28.
Camera, tripod head, Detachable. P. H. Getz. 2,029,220; Jan. 28.
Can; *See*—
Oil can.
Cans, Lining the inside of. J. H. March. 2,028,796; Jan. 28.
Cap, Tube. W. M. Glemke. 2,028,830; Jan. 28.
Car retarders, Apparatus for the control of railway. J. W. Livingston. 2,028,909; Jan. 28.
Carburetor air intake and vaporizer. A. G. Abate. 2,029,210; Jan. 28.
Carburetor for combustion engines. W. Wemhöner. 2,029,143; Jan. 28.
Carrier; *See*—
Braiding machine carrier. Tape carrier.
Carrier web for the formation of thin transparent films. E. M. Kratz and E. Gebauer-Fuelnegg. 2,028,930; Jan. 28.
Cartridge case rups, Manufacture of. E. Sautier. 2,028,996; Jan. 28.
Casting machine. A. D. Land. 2,028,790; Jan. 28.
Castings, Making tungsten and carbide. O. F. Marvin. 2,028,911; Jan. 28.
Cathode for discharge devices. P. W. Blackburn. 2,029,012; Jan. 28.
Cellular construction for airport pontoons. H. N. Atwood. 2,029,215; Jan. 28.
Cellular structure and making the same, Built-up. H. N. Atwood. 2,029,049; Jan. 28.
Cellulose digesters or the like, Method of and an apparatus for charging. S. Svensson. 2,029,066; Jan. 28.
Cellulose esters of organic acids, Reducing the viscosity of. C. Dreyfus and G. Schneider. 2,028,762; Jan. 28.
Cellulose esters of organic acids, Treating. C. Dreyfus and G. Schneider. 2,028,761; Jan. 28.
Cellulose pulp for esterification purposes and processing of same. G. A. Richter. 2,028,846; Jan. 28.
Cellulosic articles and preparing the same. H. Hibbert. 2,028,776; Jan. 28.
Cement, Making a hard surfaced. A. L. Smyly. 2,028,956; Jan. 28.
Centrifugal pump. O. Jacobsen. 2,028,783; Jan. 28.
Chain; *See*—
Cutter chain.
Chair. E. O. Bruening. 2,028,823; Jan. 28.
Chair, divan, and bed, Convertible. R. H. Bjorklund. 2,029,092; Jan. 28.
Chart, Piano keyboard. R. A. Shannon. 2,028,869; Jan. 28.
Chin support. W. J. Betharum. 2,028,820; Jan. 28.
Chisel. R. R. Pollard. 2,028,998; Jan. 28.
Cigarette. W. F. M. Edwards. 2,028,828; Jan. 28.
Cigarette dispensing machine. D. B. Lane. 2,028,787; Jan. 28.
Cigarette making machine, Pocket. E. Calderio. 2,028,837; Jan. 28.
Circuit and construction thereof, Magnetic. I. B. Serge. 2,029,282; Jan. 28.
Circuit arrangement for gas filled discharge tubes. H. A. W. Klinkhamer. 2,028,889; Jan. 28.
Circuit breaker. J. D. Wood. 2,028,963; Jan. 28.
Circuit interrupter and separable contacts therefor, Electric. B. Knonau and O. Jonsson. 2,029,028; Jan. 28.
Clamp; *See*—
Conductor clamp. Type clamp.
Closure device. H. E. Farley. 2,029,095; Jan. 28.
Closure for containers. R. L. Drake. 2,029,259; Jan. 28.
Clutch mechanism. D. L. Lotts. 2,028,876; Jan. 28.

Clutch mechanism. K. Pfeiffer. 2,029,187; Jan. 28.
Clutch mechanism, Power lift. J. Schaeffer. 2,029,127; Jan. 28.
Clutch plate. H. V. Reed. 2,028,951; Jan. 28.
Coal cleaning apparatus. M. E. Haworth. 2,028,834; Jan. 28.
Coal cleaning apparatus. M. E. Haworth. 2,028,904; Jan. 28.
Coal flotation process. P. M. Prantz. 2,028,742; Jan. 28.
Cock, High pressure safety gauge. C. G. Shepherd. 2,029,202; Jan. 28.
Coin collector, Telephone. P. E. Mills. 2,029,118; Jan. 28
Coin control for scales. W. R. McDonald. 2,029,260; Jan. 28
Coin controlled apparatus. D. B. Lane. 2,028,786; Jan. 28
Coin-feed delivery machine. H. C. Sumner, F. J. Taylor and F. Langley. 2,029,295; Jan. 28.
Colors, Manufacture of azo. J. D. Todd, L. B. May, and W. L. Newbery. 2,028,968-9; Jan. 28.
Combination lock. C. E. Mills. 2,029,060; Jan. 28.
Compressor for refrigerating systems. J. C. Buchanan. 2,028,824; Jan. 28.
Concrete, Method of and apparatus for molding. A. Varni. 2,029,004; Jan. 28.
Condenser: *See*—
Electrical condenser.
Condenser. R. Higgins. 2,028,907; Jan. 28.
Condenser induction motor. C. L. Kennedy. 2,028,934; Jan. 28.
Condition controlled mechanism. P. S. Bear. 2,029,150; Jan. 28.
Conductor clamp. F. G. Bevard. 2,028,894; Jan. 28.
Conductor support. J. J. Taylor. 2,028,931; Jan. 28.
Conduit cleaning apparatus. W. O. Fessler. 2,028,972; Jan. 28.
Connecter: *See*—
Ground connecter.
Container: *See*—
Dispensing container. Service container.
Freight container.
Container. C. W. Barton. 2,028,751; Jan. 28.
Container and dispenser. H. Kermin. 2,028,838; Jan. 28.
Container closure. W. Erhard. 2,029,030; Jan. 28.
Container or the like, Collapsible. A. Plechac. 2,028,843; Jan. 28.
Control mechanism for concrete mixers and analogous apparatus. A. E. Miller and S. Shafer, Jr. 2,028,985; Jan. 28.
Control system for boiler furnaces. G. W. Smith. 2,028,812; Jan. 28.
Control system for electric supply networks, Remote. H. Hallowell. 2,029,069; Jan. 28.
Conveyer weighing apparatus. E. H. Messiter. 2,029,271; Jan. 28.
Cooler: *See*—
Cream cooler.
Cooler for refrigerators, Water. W. G. Seeger and R. S. Ahrens. 2,028,926; Jan. 28.
Core for molding concrete. MacG. S. Anderson. 2,029,147; Jan. 28.
Crank case ventilation. G. A. Barker. 2,029,216; Jan. 28.
Cream cooler. E. Franklin and T. Nelson. 2,029,021; Jan. 28.
Cryptographic system. W. F. Friedman and G. A. Gresham. 2,028,772; Jan. 28.
Crystalline abrasives and treated product, Treating. C. B. Walker. 2,029,253; Jan. 28.
Cultivator, Automatic. G. Hantjopoulos. 2,028,774; Jan. 28.
Cultivator, Oscillating. G. W. Swan. 2,028,967; Jan. 28.
Cup: *See*—
Cartridge case cup.
Cup moving mechanism. M. Hansen and J. F. Pollon. 2,029,167; Jan. 28.
Cutter: *See*—
Hedge cutter.
Cutter chain. L. E. Simmons. 2,028,611; Jan. 28.
Cylinders, Design printing, making. W. B. Brown. 2,029,220; Jan. 28.
Cylindrical roller bearing, Multirow. K. E. Kylin. 2,029,265; Jan. 28.
Dam. C. V. Davis. 2,029,224; Jan. 28.
Damper and process of assembly, Vibration. J. J. Taylor. 2,028,930; Jan. 28.
Decoy, Flying. W. T. Shay. 2,028,849; Jan. 28.
Demountable body. B. F. Fitch. 2,028,901-2; Jan. 28.
Dental restoration. O. Swan and F. Pollitzer. 2,028,882; Jan. 28.
Dentistry. H. Spiro. 2,029,003; Jan. 28.
Desserts and apparatus, Freezing. I. Erchtin. 2,029,606; Jan. 28.
Device for spraying. H. S. Warner. 2,029,141; Jan. 28.
Die press safety system. C. L. Ekergian. 2,028,768; Jan. 28.
Direct current system, Electrical. J. E. Alm. 2,029,212; Jan. 28.
Disk for centrifugal separators. O. H. Shenstone. 2,028,955; Jan. 28.
Dispenser. W. H. Burke. 2,029,058; Jan. 28.
Dispensing container. E. Bourland. 2,029,219; Jan. 29.
Display apparatus, Illuminated. J. Burgess and H. W. Garbe. 2,029,231; Jan. 28.
Display card support. J. D. Clarke. 2,029,158; Jan. 28.
Display stand. C. Benn. 2,029,091; Jan. 28.
Distributor, Liquid. N. B. Lund. 2,029,268; Jan. 28.
Doll construction. M. De Cesare. 2,028,787; Jan. 28.
Door locking device for demountable bodies. B. F. Fitch. 2,028,771; Jan. 28.
Door locking means. C. H. Vincent. 2,028,852; Jan. 28.
Door mechanism, Swinging. E. L. Shaffer. 2,028,506-01; Jan. 28.
Door service indicator. E. F. Zaz. 2,029,208; Jan. 28.
Drawing furnace. Leif A. Lindberg. 2,029,176; Jan. 28.
Drive mechanism for shaker conveyers. W. W. Sloane. 2,029,183; Jan. 28.
Driving mechanism. F. Linder. 2,029,244; Jan. 28.
Driving mechanism. H. F. Patterson. 2,029,118; Jan. 28.
Drying machine. C. M. Otis. 2,029,117; Jan. 28.
Dust removing device. F. Hicks and C. T. Jones. 2,028,847; Jan. 28.
Dyestuffs of the anthraquinone series and preparing Gem. Acid. R. Diefenbach and B. Fischer. 2,029,258; Jan. 28.
Dyestuffs of the dibenzanthrone series, Producing vat. K. Koeberle, H. Wolff, and R. Kranck. 2,029,237; Jan. 28.
Dyestuffs, Production of azo. H. Krzikalla and W. Koehler. 2,028,981; Jan. 28.
Electric discharge device or vacuum tube. E. Wiegand. 2,029,144; Jan. 28.
Electrical communication system. V. K. Zworykin. 2,028,537; Jan. 28.
Electrical condenser. F. Heinzl. 2,028,173; Jan. 28.
Electrical entrance plug. R. H. Money. 2,028,942; Jan. 28.
Electrical translation device. J. M. Kendall. 2,028,978; Jan. 28.
Electromagnetic device. B. M. Lesse and D. S. Cole. 2,029,267; Jan. 28.
Electroresponsive device. H. M. Stevens. 2,029,187; Jan. 28.
Engine: *See*—
Internal combustion engine.
Engine accessory. A. Copony. 2,028,826; Jan. 28.
Engine starting mechanism. F. Linder. 2,028,243; Jan. 28.
Engines on fuel of low volatility, Apparatus for and process of operating internal combustion. A. Moore. 2,028,029; Jan. 28.
Eraser. H. A. Bell. 2,029,090; Jan. 28.
Esters of cellulose, Treating organic. C. Dreyfus and G. Schneider. 2,028,763; Jan. 28.
Esters of polyhydroxy substances, Sulphonated higher unsaturated carboxylic. E. E. Harris. 2,029,168; Jan. 28.
Expansion device. G. E. E. Saleh. 2,028,881; Jan. 28.
Extension head for lifting jacks. F. A. Graham. 2,029,021; Jan. 28.
Extension table. W. P. Yow. 2,029,289; Jan. 28.
Extractor: *See*—
Gelatin and glue extractor.
Eyecup. C. D. Lukens. 2,028,984; Jan. 28.
Eye testing and recording apparatus. R. Garrison. 2,029,228; Jan. 28.
Fabric: *See*—
Pile fabric.
Fan. C. A. Mahon. 2,028,935; Jan. 28.
Fastener: *See*—
Window fastener.
Fastening inserting machine. F. L. MacKenzie. 2,028,849; Jan. 28.
Faucet and valve, All metal springless automatic. J. C. Ross. 2,028,923; Jan. 28.
Feed system, Uniform. H. Ernst and L. F. Messinger. 2,028,766; Jan. 28.
Feeding mechanism for rock drills. J. C. Curtis. 2,029,223; Jan. 28.
Fiber, Stabilizing sheet vulcanized. H. B. Stratford. 2,028,932; Jan. 28.
Films by cathode disintegration, Forming thin metallic. J. von Bosse and K. Richter. 2,028,853; Jan. 28.
Filter. W. Raisch and J. H. Fodeier, Jr. 2,028,949; Jan. 28.
Filtering device. J. A. Matsey. 2,029,078; Jan. 28.
Fish lure. E. Liotta. 2,028,983; Jan. 28.
Flowerpot making machine. C. W. Schmitt. 2,029,054; Jan. 28.
Flower support. E. E. Woodall and F. Hlavacek, Jr. 2,029,043; Jan. 28.
Fluid pressure motor. G. Kuhn. 2,029,140; Jan. 28.
Flusher for cleaning automatic water cooling systems, Reversible. P. W. Green. 2,028,733; Jan. 28.
Foldable screen. R. Penn. 2,028,512; Jan. 28.
Follower for steering gears for vehicles. F. G. Matravers. 2,028,939; Jan. 28.
Forms, plates, and the like, Apparatus for registering and aligning printers'. C. A. Rahn. 2,028,965; Jan. 28.
Frame: *See*—
Racket frame. Tube frame.
Freight container. B. F. Fitch. 2,028,770; Jan. 28.
Freight container, Demountable. B. F. Fitch. 2,028,900; Jan. 28.
Fruit and vegetable filling table. H. Burge. 2,029,054; Jan. 28.

Fruit and vegetables, Preserving. W. H. Rivell. 2,028,970; Jan. 28.
Fuel saving device. R. C. Lee. 2,029,110; Jan. 28.
Furnace: *See*—
Drawing furnace.
Furnace. C. A. Bowen. 2,029,052; Jan. 28.
Furniture spring suspension. C. C. Meutsch. 2,029,122; Jan. 28.
Game. O. L. Klein. 2,029,107; Jan. 28.
Game apparatus. B. MacDougall. 2,029,177; Jan. 28.
Garment tapering attachment for knitting machines. J. A. Pirsching. 2,029,227; Jan. 28.
Gas generator. D. Niconoff. 2,028,946; Jan. 28.
Gas mixer. M. Lefebre. 2,028,937; Jan. 28.
Gear mechanism, Change. M. Junge. 2,029,174; Jan. 28.
Gearing for rotary printing machine folders. F. Lamatsch. 2,028,786; Jan. 28.
Gelatin and glue extractor. W. V. Knoll. 2,028,935; Jan. 28.
Generator: *See*—
Gas generator. Steam generator.
Glass, Antifrost. J. F. Flodin. 2,029,218; Jan. 28.
Glass, Apparatus for laminating. W. Owen. 2,029,916; Jan. 28.
Glass, Apparatus for making laminated. J. H. Sherts. 2,028,927; Jan. 28.
Glass, Apparatus for making laminated. J. H. Sherts. 2,028,928; Jan. 28.
Globe mounting. J. A. Pinard. 2,029,282; Jan. 28.
Gongle valve. C. G. Bigelow. 2,029,151; Jan. 28.
Grading machine. M. W. Stout, Jr. 2,029,122; Jan. 28.
Grain door and associated mechanism. G. Gerlip. 2,029,219; Jan. 28.
Gramophone record and manufacture thereof. G. Hilborne. 2,029,102; Jan. 28.
Grinding machine, Wood. A. N. Russell and J. D. Robb. 2,029,175; Jan. 28.
Ground connecter. G. L. Barnes. 2,029,149; Jan. 28.
Ground working device, Mobile. L. H. Neal and F. W. Heese. 2,029,249-50; Jan. 28.
Gun, Spray. F. D. Dippman. 2,029,061; Jan. 28.
Handle. L. Segar. 2,029,199; Jan. 28.
Hardness of abrasive disks, Measuring the. K. Gippert. 2,029,066; Jan. 28.
Heat exchange apparatus. R. Prestage. 2,029,053; Jan. 28.
Heat-saver, Humidifying. K. C. Wright. 2,029,206; Jan. 28.
Heating element, Electric. J. A. Knight. 2,029,075; Jan. 28.
Hedge cutter. R. Jennett. 2,028,784; Jan. 28.
Holder: *See*—
Bottle holder. Tree holder.
Knitting needle stitch holder.
Holder for toothbrushes, Dental Sem. J. Novick. 2,029,081; Jan. 28.
Hot top and lining therefor. W. M. Charman. 2,029,029; Jan. 28.
Hydraulic brake. W. G. Doyle. 2,029,096; Jan. 28.
Hydraulic jack. F. Anguish. 2,028,817; Jan. 28.
Hydrocarbons from gas mixtures containing the same, Separation of unsaturated. H. Schilling and E. Stadler. 2,028,120; Jan. 28.
Hydrocarbons, Polymerization of unsaturated. C. R. Wagner. 2,028,885; Jan. 28.
Hydrogen sulphide and ammonia from gases, Removal of. C. J. Hansen. 2,029,262; Jan. 28.
Ice cream and formula thereof, Freezing. C. I. Jacobsen. 2,029,028; Jan. 28.
Implement for removing weeds and the like. W. F. Cervenka and F. Miller. 2,029,155; Jan. 28.
Imprinting means for identifying charts of recording instruments. H. Koester. 2,029,029; Jan. 28.
Indicator: *See*—
Door service indicator.
Ink eradicating device. T. L. Bouboveit. 2,028,159; Jan. 28.
Ink pad for rubber stamps. L. A. Phillips. 2,028,842; Jan. 28.
Ink, Transfer. P. Solomon. 2,029,204; Jan. 28.
Insect destroyer. O. K. Ekre. 2,029,225; Jan. 28.
Insecticides, Manufacture of calcium arsenate. S. Klocky. 2,029,284; Jan. 28.
Instrument for measuring core loss in magnetic materials. P. L. Hoover. 2,029,023; Jan. 28.
Internal combustion engine. T. V. DiBattista. 2,028,760; Jan. 28.
Internal combustion engine. W. B. Griswold. 2,028,902; Jan. 28.
Internal combustion engine. Y. Hiroaka. 2,029,160; Jan. 28.
Internal combustion engine, Double acting. J. Radlof. 2,029,169; Jan. 28.
Ironing board. C. J. Lindquist. 2,028,789; Jan. 28.
Jack: *See*—
Hydraulic jack. Vehicle jack.
Jack. G. C. Hein. 2,028,893; Jan. 28.
Jack. J. S. Jardim. 2,028,868; Jan. 28.
Jacking apparatus for motor vehicles. F. Saltz. 2,028,960; Jan. 28.
Key, Brake shoe. C. R. Busch. 2,028,753; Jan. 28.
Keyhole illuminating means for doors. D. E. Bailey. 2,029,002; Jan. 28.
Knitting machine, Straight bar. S. Holt. 2,028,837; Jan. 28.
Knitting needle stitch holder. H. A. Webber. 2,029,005; Jan. 28.
Labeling and wrapping machine. F. Reid and H. Hettiger. 2,028,920; Jan. 28.
Lamp structure and hanger, Combined. I. W. Mye and H. E. Miller. 2,029,251; Jan. 28.
Lamp, tube, and similar devices. R. B. Thomas. 2,028,884; Jan. 28.
Latch. G. E. Roedding. 2,028,854; Jan. 28.
Latch. G. E. Roedding. 2,029,197; Jan. 28.
Latching and righting mechanism for dump cars. F. E. Wedlake and E. Hart. 2,029,006; Jan. 28.
Log protecting device. H. C. Palm. 2,028,947; Jan. 28.
Light: *See*—
Marker light.
Lighting device for cigarettes. N. Peterson. 2,029,186; Jan. 28.
Lining for rubber footwear, Knitted. E. M. Holden and J. F. Roberts. 2,028,746; Jan. 28.
Lining for vessels. J. Carlstrom. 2,028,987-8; Jan. 28.
Linings, Fitting Jordan shell. H. D. Stuck. 2,029,133; Jan. 28.
Linings, Forming refrigerator. R. H. Money. 2,028,943; Jan. 28.
Lock: *See*—
Combination lock. Time lock.
Rope lock.
Lubricant cooling device. E. A. Chambers. 2,029,057; Jan. 28.
Lubricant metering device. O. A. Ross. 2,029,190; Jan. 28.
Lubricating device. F. E. Dippman. 2,029,062-3; Jan. 28.
Lubrication device, Cycle chain. R. M. Miller. 2,029,079; Jan. 28.
Machine for making insulating material. O. F. Mottweiler. 2,029,061; Jan. 28.
Machine for slicing meats. K. E. Olsson. 2,029,062; Jan. 28.
Machine tool feed. H. F. Vickers. 2,028,850; Jan. 28.
Marker light. R. Higgins. 2,028,906; Jan. 28.
Mask, Electrical face treating. J. S. Beddoes. 2,028,889; Jan. 28.
Masking. Means for and method of. R. A. Wilson. 2,029,008; Jan. 28.
Massaging device. F. D. Forsyth and D. A. Nevin. 2,028,868; Jan. 28.
Material and manufacturing the same, Decorative sheet. J. J. Jackson. 2,028,782; Jan. 28.
Material for leather substitute and other purposes. A. J. Hanley. 2,029,172; Jan. 28.
Material, Producing decorative sheet. J. J. Jackson. 2,028,781; Jan. 28.
Material to articles of manufacture, Application of finely divided. M. M. Merritt. 2,028,796; Jan. 28.
Materials, Production of resin like. W. A. Noyes and G. P. Hoffmann. 2,028,914; Jan. 28.
Matrix and manufacturing same. A. H. Hedly. 2,028,978; Jan. 28.
Mattress, Inner spring. E. D. Leeman. 2,029,076; Jan. 28.
Measuring device. H. A. Johnston. 2,028,871; Jan. 28.
Measuring valve. H. C. Allen. 2,028,816; Jan. 28.
Metal parts, Processing of. Dell. G. Scranton. 2,029,037; Jan. 28.
Mill drive, Rolling. W. B. Green. 2,029,164; Jan. 28.
Minerals from ores, Separating. P. E. Tewell. 2,029,060; Jan. 28.
Mixer: *See*—
Gas mixer.
Mixing apparatus. A. W. Rybeck. 2,029,126; Jan. 28.
Molding, Electric outlet. A. P. Dorsey. 2,029,019; Jan. 28.
Mop. T. M. Jenkins. 2,029,235; Jan. 28.
Mop. E. H. Tate. 2,028,883; Jan. 28.
Motor: *See*—
Condenser induction motor. Fluid pressure motor.
Relay motor.
Motor. G. B. Wilson and K. C. Bagley. 2,029,145; Jan. 28.
Musical instrument. H. Stanley and V. J. Moir. 2,029,135; Jan. 28.
Neckties construction. W. Mayer. 2,028,180-1; Jan. 28.
Oil burner. H. E. Earl. 2,028,890; Jan. 28.
Oil burner. W. P. Helbold. 2,028,807; Jan. 28.
Oil burning apparatus. A. E. Paige. 2,029,184; Jan. 28.
Oil can. S. Krafka. 2,029,106; Jan. 28.
Oils, Sweetening hydrocarbon. W. A. Schulze and L. V. Chaney. 2,028,998; Jan. 28.
Oils, Treatment of hydrocarbon. R. B. Day. 2,029,256; Jan. 28.
Oils, Treatment of hydrocarbon. A. V. Grosse. 2,029,190; Jan. 28.
Oils, Treatment of hydrocarbon. J. C. Morrell. 2,029,115; Jan. 28.
Organ, Can. F. F. Hoerner. 2,028,778; Jan. 28.
Ore extraction. G. J. MacKay. 2,028,940; Jan. 28.
Oscillation generation. C. W. Hansell. 2,028,888; Jan. 28.
Oven, Bake. L. D. Heaps. 2,028,748; Jan. 28.
Overshot, Releasing. E. Burns and H. P. Wickersham. 2,028,996; Jan. 28.

Oxide flotation. L. J. Christmann and S. A. Falconer. 2,029,156; Jan. 28.
Packing rings, Making of. H. T. Wheeler. 2,028,961; Jan. 28.
Panel, Laminated. M. S. Randall. 2,028,960; Jan. 28.
Panel, Laminated. H. J. Woodall and M. S. Randall. 2,028,962; Jan. 28.
Panels, Securing trim. B. C. Place. 2,028,992; Jan. 28.
Paper and making the same, Decorative. J. J. Fehlmann. 2,028,948; Jan. 28.
Paper, Apparatus for and making. P. J. Reimer. 2,028,952; Jan. 28.
Paper carriage, Electrically operated. A. A. Horton and D. P. Rowland. 2,028,747; Jan. 28.
Paper, Coating. W. J. Montgomery and D. B. Bradner. 2,029,278; Jan. 28.
Parachute construction. E. L. Hoffman. 2,028,777; Jan. 28.
Pasteurization. B. K. Cooney. 2,029,017; Jan. 28.
Peeler and slicer, Vegetable. C. J. Ott. 2,028,915; Jan. 28.
Pen and calendar, Combination. W. Klepham. 2,028,236; Jan. 28.
Pencil, Mechanical. A. Winter. 2,028,855; Jan. 28.
Perforator. E. S. Roscoe. 2,028,848; Jan. 28.
Petroleum oils and apparatus, Conversion and hydrogenation of heavy. R. H. McKee. 2,028,795; Jan. 28.
Petroleum oils, Desulphurizing. F. M. Rogers. 2,028,905; Jan. 28.
Phonograph. C. R. Rasey. 2,029,180-1; Jan. 28.
Phonograph mechanism. C. L. Richardson and A. P. Holden. 2,029,119; Jan. 28.
Phonograph record and making the same. H. T. Beans, G. H. Walden, Jr., and L. P. Hammett. 2,029,012; Jan. 28.
Photo-electric intaglio and relief engraving system. W. Howey. 2,029,108; Jan. 28.
Photo-electric tube. G. E. Stilwell. 2,029,040; Jan. 28.
Photographs, particularly in natural colors, on papers, films, and the like, Production of colored. F. Lejeune. 2,029,077; Jan. 28.
Photometer. L. I. Hull. 2,029,170; Jan. 28.
Picture, Composite. C. F. Gillette. 2,028,976; Jan. 28.
Pictures, Producing composite. C. G. Reid. 2,028,982-3; Jan. 28.
Pigment and preparing the same, Inorganic colored. E. Horiath and G. Meder. 2,028,980; Jan. 28.
Pile fabric. W. D. Kellogg. 2,028,872; Jan. 28.
Pipe lines, Apparatus for cleaning. R. W. Howe, R. E. Love, and J. H. Wood, Jr. 2,028,779; Jan. 28.
Piston. C. H. Brown. 2,028,838; Jan. 28.
Piston. R. L. O'Connor. 2,028,700; Jan. 28.
Plant shelf for window mountings. J. H. McCarroll. 2,029,246; Jan. 28.
Plow, Breaking. R. B. Attinson. 2,028,819; Jan. 28.
Plug: *See*—
Electrical entrance plug. Spark plug.
Pocket for garments, Safety watch. C. E. Wood. 2,029,207; Jan. 28.
Powder, Maktag propellent. F. Olsen. 2,028,990; Jan. 28.
Power transmission mechanism. C. B. De Vilig and N. S. Lundberg. 2,029,094; Jan. 28.
Preparation of alkoxy fatty acid esters of cellulose. C. J. Malm and J. D. Coleman. 2,028,792; Jan. 28.
Press: *See*—
Fruit press.
Press. E. J. Kaula. 2,029,036; Jan. 28.
Press for pneumatic tires, inner tubes, and similar articles, Vulcanizing. G. Cosmo. 2,029,060; Jan. 28.
Pressing machine, reciprocating type. G. W. Johnson. 2,029,104; Jan. 28.
Pressure fluid supply system and apparatus. M. H. Sessin. 2,028,985; Jan. 28.
Printing telegraph system. R. J. Anspach and J. W. Harrison. 2,028,818; Jan. 28.
Pump: *See*—
Centrifugal pump. Viscose fluid pump.
Pump. R. de Steuts. 2,028,864; Jan. 28.
Quills, Device for cleaning. E. A. McKillop. 2,028,987; Jan. 28.
Racket frame. W. F. Roach. 2,029,193; Jan. 28.
Radial plain bearing. N. A. Palmgren. 2,029,274; Jan. 28.
Radio direction finder. F. Woods. 2,028,856; Jan. 28.
Radioreceiver. L. E. Barton. 2,028,859; Jan. 28.
Radioreceiver. L. M. Perkins. 2,029,033; Jan. 28.
Radio transmission system. W. Runge and M. Pobontsch. 2,028,850; Jan. 28.
Rail, Streamer line. C. E. Ashton. 2,028,789; Jan. 28.
Razor attachment. C. F. Ern. 2,029,189; Jan. 28.
Reamer. J. W. MacClatchie. 2,028,910; Jan. 28.
Receiving system. H. H. Beverage. 2,028,960; Jan. 28.
Receptacle: *See*—
Ash receptacle.
Reel base-plate fishing-rod attaching means. J. L. Potter. 2,029,183; Jan. 28.
Refrigerating apparatus. L. M. Keighley. 2,028,263; Jan. 28.
Refrigerating apparatus. A. A. Kucher. 2,029,100; Jan. 28.
Refrigerating apparatus. C. A. Stiebel. 2,029,270; Jan. 28.
Refrigerating system. J. Kirgan. 2,029,166; Jan. 28.
Refrigerating system and apparatus. J. A. Borner. 2,029,153; Jan. 28.
Refrigerator, Portable. S. A. Limpert. 2,029,176; Jan. 28.
Refrigerator temperature, Controlling. C. W. Bondurant. 2,028,998; Jan. 28.
Regulator: *See*—
Temperature regulator.
Regulator. B. M. Leece and D. S. Cole. 2,029,266; Jan. 28.
Relay meter. L. B. Reid. 2,028,845; Jan. 28.
Respiratory actuating means for generators. G. F. Archer. 2,029,141; Jan. 28.
Revetments, Constructing. G. H. Mathes. 2,028,794; Jan. 28.
Riveting means. A. D. Baker. 2,028,836; Jan. 28.
Rod: *See*—
Safety steering rod.
Roof structure. O. H. Pocock and L. Rossetti. 2,028,817; Jan. 28.
Rope lock. L. Ulfers. 2,028,885; Jan. 28.
Rubber article and making the same. L. M. Rosenthal. 2,028,588; Jan. 28.
Safety steering rod. W. M. Roark. 2,028,953; Jan. 28.
Sampling device. A. W. Chance and R. L. Meyer. 2,029,231; Jan. 28.
Sanding device. P. H. Kramer and J. C. Thompson. 2,028,874; Jan. 28.
Saw, Stone. W. Miles. 2,029,114; Jan. 28.
Scraper, Carcass. G. B. Edwards. 2,029,004; Jan. 28.
Screen: *See*—
Foldable screen.
Sealing means for wirebound boxes. A. L. Rosemond. 2,028,124; Jan. 28.
Sealing ring. A. H. Jenner. 2,029,172; Jan. 28.
Seamless tank. P. Hart. 2,029,241; Jan. 28.
Seat: *See*—
Spring seat.
Sedan and phaeton, Convertible. R. B. Bilger. 2,028,569; Jan. 28.
Service container. R. Christmann. 2,028,815; Jan. 28.
Sewing machine. J. Gouldbourn. 2,028,889; Jan. 28.
Sewing machine, Chain stitch. H. J. LeVasseur. 2,029,142; Jan. 28.
Sewing machine, Adjustable eccentric for. J. H. Steiner. 2,029,278; Jan. 28.
Sewing machine, Feeding mechanism for. H. J. LeVasseur. 2,029,341; Jan. 28.
Sewing machine, Looper mechanism for. H. Hecklander. 2,029,233; Jan. 28.
Sewing machines, Universal folder for. J. Gatlin. 2,028,772; Jan. 28.
Shaker or the like, Salt. J. W. Jennings. 2,028,979; Jan. 28.
Sharpener, Pencil. C. O. Rowe. 2,028,924; Jan. 28.
Shears and scissors. W. H. Holden. 2,028,867; Jan. 28.
Sheet feeding and delivering mechanism. R. Stuart. 2,028,818; Jan. 28.
Shelf, Glass feeding. A. F. Trumbley. 2,028,800; Jan. 28.
Shirt. J. L. Shaw. 2,028,510; Jan. 28.
Shoe sole applying machine. C. M. Riddell. 2,029,198; Jan. 28.
Sign of electric lights, Advertising. E. Mohme. 2,029,183; Jan. 28.
Signal. C. Adler, Jr. 2,029,211; Jan. 28.
Silk, Apparatus for the manufacture of artificial. R. Ehrkorn. 2,029,226; Jan. 28.
Sink structure. R. L. Ottke. 2,028,802; Jan. 28.
Sink structure, Balanced. R. L. Ottke. 2,028,803; Jan. 28.
Sink support. A. F. Weinsank. 2,029,089; Jan. 28.
Sleigh, Motor. J. W. Roberts. 2,029,196; Jan. 28.
Smoking stand. A. M. Ray. 2,029,192; Jan. 28.
Soda solutions, Purification of caustic. R. B. Vander Cook and A. M. Lawson. 2,028,996; Jan. 28.
Sole channels, Treating. J. B. Rodaway. 2,028,831; Jan. 28.
Solen, Apparatus for molding. H. Hallam and C. H. Jamet. 2,028,832; Jan. 28.
Solvents, Treatment with. C. F. Disley. 2,028,789; Jan. 28.
Sound record. S. Whyte. 2,028,854; Jan. 28.
Soybean phosphatides. W. W. Gins. 2,028,261; Jan. 28.
Spark plug. G. C. Brinker. 2,028,890; Jan. 28.
Spark plug. C. Falor. 2,028,971; Jan. 28.
Spark plug. R. Jobs and R. F. Spelmeyer. 2,028,740; Jan. 28.
Speed drive, Selective. J. B. Brenson. 2,029,058; Jan. 28.
Speed mechanism, Variable. W. Turner. 2,029,042; Jan. 28.
Spindle, Doubling. G. Kuwada. 2,028,878; Jan. 28.
Spinning machine for rayon or other synthetic material. J. Brenzinger. 2,028,821; Jan. 28.
Spreader, Rotary. C. H. Carlson. 2,029,056; Jan. 28.
Spring seat. J. Mercogliano. 2,029,247; Jan. 28.
Spring support for conductors. F. G. Bovard. 2,028,886; Jan. 28.
Stamp. H. Schlabaker. 2,029,122; Jan. 28.
Stand: *See*—
Display stand. Smoking stand.
Stand and cabinet, Machine. J. E. Bales. 2,029,091; Jan. 28.
Static and other disturbances, Eliminating. C. Murray. 2,028,841; Jan. 28.
Steam generator. J. P. Bodenhausen. 2,029,010; Jan. 28.
Steam generator. H. J. Schneider. 2,028,923; Jan. 28.
Stoker for coal burners, Automatic. T. C. Greer. 2,028,977; Jan. 28.
Stove, Cooking. C. M. Dibble. 2,029,227; Jan. 28.
Stove, Attachment for. H. P. Demery and R. Kirtland. 2,029,005; Jan. 28.
Strip record supporting and driving apparatus. E. W. Kellogg. 2,028,027; Jan. 28.
Structural members, Adjusting the length of. R. Seaman and A. R. Wilson. 2,029,121; Jan. 28.
Structural unit and making the same, Tubular. H. N. Atwood. 2,029,040; Jan. 28.
Superheterodyne receiver, Multirange. W. van B. Roberts. 2,028,086; Jan. 28.
Support: *See*—
Adjustable hand support. Display card support.
Chain support. Flower support.
Cooking vessel support. Stair support.
Switch for alarm clocks, Electric. H. Pritzsch. 2,028,571; Jan. 28.
Switch mechanism. P. A. Schwartz. 2,029,180; Jan. 28.
Table: *See*—
Extension table.
Fruit and vegetable filling table.
Table for glass sheets, Turnover. W. Owen. 2,028,817; Jan. 28.
Tank: *See*—
Seamless tank.
Tanning. H. G. Turley and L. C. Somerville. 2,028,662; Jan. 28.
Tape carrier. C. G. Holgate. 2,028,836; Jan. 28.
Tape guide mechanism for quotation projectors. A. D. Mitsen. 2,028,767; Jan. 28.
Tooth, Packing for artificial. H. Freedman. 2,029,161; Jan. 28.
Telegraph repeater, Start-stop. J. Herman. 2,028,885; Jan. 28.
Telegraph signaling apparatus. H. V. Higgitt. 2,028,871; Jan. 28.
Telephone pay station apparatus. W. J. Vincent. 2,028,881; Jan. 28.
Telephone system. J. R. Cruickshank. 2,029,018; Jan. 28.
Temperature regulator. S. E. B. Soderberg. 2,029,208; Jan. 28.
Temperature, Apparatus for measuring. P. S. Williams and G. W. Johnson. 2,028,827; Jan. 28.
Temperature, Apparatus for measuring. P. S. Williams. 2,028,856; Jan. 28.
Tennis rackets, Apparatus for the stringing of. J. H. Proctor. 2,028,864; Jan. 28.
Tension on cables, Device for measuring and indicating. C. J. Lasley. 2,029,111; Jan. 28.
Testing system. F. K. Low. 2,029,030; Jan. 28.
Textile or other materials, Treatment of. G. H. Ellis and E. C. Starry. 2,028,789; Jan. 28.
Textile picker. E. F. Parker. 2,028,919; Jan. 28.
Thermometer. W. C. Dillon. 2,028,890; Jan. 28.
Tightening device. H. Stanley and V. J. Metz. 2,029,134; Jan. 28.
Time controlled mechanism for valves or the like. R. W. Johnson. 2,028,983; Jan. 28.
Time element device. H. M. Stevens. 2,029,136; Jan. 28.
Time lock, Delayed control. W. C. Miller. 2,029,272; Jan. 28.
Tire spreading implement. M. Mathisen. 2,028,986; Jan. 28.
Tissue packet. J. B. Lyon. 2,029,245; Jan. 28.
Toasting machine. H. E. Morrison. 2,028,944; Jan. 28.
Tool and method, Watchmaker's. H. M. Richardson. 2,028,154; Jan. 28.
Toy gun for projecting aeroplanes. W. J. Rottner. 2,029,086; Jan. 28.
Toy, Suspension rubber. L. D. Miller. 2,028,797; Jan. 28.
Toy target. C. F. Cookson. 2,029,059; Jan. 28.
Traffic signaling system and apparatus. H. H. Bell. 2,029,217; Jan. 28.

Transmission line, Loaded. M. B. Strisky. 2,029,041; Jan. 28.
Transmission mechanism, Hydraulic. T. H. Lambert 2,028,983; Jan. 28.
Transmission, Multiplex. R. H. Ranger. 2,028,805; Jan. 28.
Tray, Bubble. L. P. Scoville. 2,029,277; Jan. 28.
Tree holder. F. P. McCann. 2,029,281; Jan. 28.
Trimming mechanism for bookbinding machines. P. E. Hietaberg. 2,028,785; Jan. 28.
Trimming strip. T. C. Devine. 2,028,740; Jan. 28.
Tube: *See*—
Photo-electric tube.
Tube frame. B. F. Clark. 2,029,254; Jan. 28.
Type clamp. C. J. Bock. 2,028,892; Jan. 28.
Typewriter. S. A. Dean and O. M. Russell. 2,029,150; Jan. 28.
Typewriters, Attachment for. B. S. Hyatt. 2,029,074; Jan. 28.
Typographical machine. N. Fuchs. 2,028,743; Jan. 28.
Valve: *See*—
Automatic valve. Goggle valve.
Breather valve. Measuring valve.
Valve. W. R. Kinnaird. 2,029,105; Jan. 28.
Valve. C. S. Pope. 2,028,844; Jan. 28.
Valve. J. M. Wood. 2,028,815; Jan. 28.
Valve protective system, Electric. F. Mertens. 2,029,270; Jan. 28.
Valve separator, or similar element with the face piece of a respirator, gas mask, or the like, Connecting an exhalation. M. Schwartz. 2,029,152; Jan. 28.
Varnish composition. J. R. Dietz and E. F. Ossinger. 2,028,788; Jan. 28.
Vegetables, Treating. G. S. Hales. 2,029,166; Jan. 28.
Vehicle control. N. F. Hadley and E. J. Delahanty. 2,029,165; Jan. 28.
Vehicle jack. H. J. Marlowe. 2,029,179; Jan. 28.
Vehicle spring suspension. J. V. Pernice. 2,028,991; Jan. 28.
Vehicle transmission, Four-speed. K. R. Manville. 2,029,178; Jan. 28.
Vehicle, Transportation. F. R. and W. B. Fagerl. 2,028,829; Jan. 28.
Vehicle, Wheeled. F. J. Goff. 2,028,976; Jan. 28.
Ventilating attachment for pressing machines. A. G. Maltman. 2,029,112; Jan. 28.
Ventilating device. H. A. Morton. 2,029,118; Jan. 28.
Viscous fluid pump. R. D. Maulin. 2,028,912; Jan. 28.
Visor and ventilator for motor vehicles, Combined. H. J. Cox. 2,028,827; Jan. 28.
Wagon. R. E. Choate, H. H. Graves, and W. I. Leech. 2,029,023; Jan. 28.
Wall construction. C. H. Odam. 2,029,062; Jan. 28.
Watch bracelet, Wrist. F. H. Lynds. 2,028,791; Jan. 28.
Water column displacement weight. A. L. Aicher. 2,028,656; Jan. 28.
Water cooling system for internal combustion engines. G. Wirrer. 2,029,146; Jan. 28.
Wave communication system, Ultra short. C. W. Hansell. 2,028,966; Jan. 28.
Wave transmission network. H. W. Bode. 2,029,014; Jan. 28.
Web roll speed control. H. A. W. Wood. 2,029,045; Jan. 28.
Web splicing device. H. A. W. Wood. 2,029,046; Jan. 28.
Welder, Electric arc. M. Ito. 2,028,780; Jan. 28.
Wheel balance. O. B. Shelton. 2,029,132; Jan. 28.
Wheel measuring device. G. M. Graham, A. B. Price, and W. O. Westcott. 2,029,067; Jan. 28.
Window cleaning device. C. H. Caldwell. 2,028,738; Jan. 28.
Window fastener. O. P. Cadmus. 2,029,016; Jan. 28.
Window tightener. A. W. Greene. 2,029,068; Jan. 28.
Wing construction for airplanes, Honeycomb. H. N. Atwood. 2,029,214; Jan. 28.
Wire drawing, Process and apparatus for. A. Simons. 2,029,079; Jan. 28.
Wire, Method and machine for drawing or pulling. G. N. Williams. 2,029,204; Jan. 28.
Worms and the like, Method of and apparatus for generating hollow faced. O. G. Simmons. 2,028,929; Jan. 28.
Wrapper of transparent or ornamental character and making the same. M. J. Shoemaker. 2,029,181; Jan. 28.
X-ray tube mount. E. R. Goldfield and C. B. Horsley. 2,029,098; Jan. 28.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 28, 1936

NOTE.—First number—class, second number—subclass, third number—patent number

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Patents	758—No.	2,026,233 to No.	2,026,640, inclusive.
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Total	1,112		

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, Jan. 15, 1936.*

A. G. Morse Co., its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Lovell and Covel Company, Cambridge, Mass., to effect the cancellation of trade-mark registration of A. G. Morse Co., 210–220 W. Halstead Street, Chicago, Ill., No. 122,672, dated January 4, 1921, and the notice of such proceeding sent by registered mail to said A. G. Morse Co., at the said address having been returned by the post office undelivered, notice is hereby given that unless said A. G. Morse Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

Adjudicated Patents

(C. C. A. N. Y.) Fink patent, No. 1,791,267, for terrazzo strip, all claims except claim 8 *Held* invalid. *Fink v. V. Pecarlo, Inc.*, 79 F.(2d) 942.

(C. C. A. N. Y.) Fink patent, No. 1,914,115, for terrazzo strip *Held* invalid. *Id.*

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,901,668, A. Alsaker, W. O. Hampton, and C. A. Koerner, Horizontal break disconnecting switch, decided January 12, 1936, claim 7.

Pat. 2,007,270, A. Y. Dodge, Lubricating device, decided January 15, 1936, claim 27.

Trade-Mark Registrations Canceled

151,111. Corsets. The Crown Corset Company, New York, N. Y. Registered January 24, 1922. Canceled January 11, 1936.

163,053. Medicinal tablets. Julia Donnelly, doing business as Vi-Tabs Co., New York, N. Y. Registered January 2, 1923. Canceled January 11, 1936.

169,427. Dress shirts and pyjamas. Goldstein and Fisher Co., Inc., New York, N. Y. Registered June 12, 1923. Canceled January 11, 1936.

266,682. Fresh grapes. Kern Fruit Co., Shafter, Calif. Registered January 28, 1930. Canceled January 11, 1936.

277,967. Spring water. Virginia Buffalo Springs Corporation, Buffalo Springs, Va. Registered December 2, 1930. Canceled January 11, 1936.

278,178. Spring water. Virginia Buffalo Springs Corporation, Buffalo Springs, Va. Registered December 9, 1930. Canceled January 11, 1936.

300,619. Sensitized photographic plates, films, and cinematographic films. I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Registered January 24, 1933. Canceled January 11, 1936.

300,775. Sacramental kosher wine. Misrach Wine Company, New York, N. Y. Registered February 7, 1933. Canceled January 8, 1936.

309,884. Canned fruits, vegetables, fish, tea, coffee, and mayonnaise dressing. A. Fink & Son, Inc., Newark, N. J. Registered January 23, 1934. Canceled January 11, 1936.

320,886. Hosiery. Chester H. Roth Co., Inc., New York, N. Y. Registered November 12, 1935. Canceled January 11, 1936.

Condition of Applications Under Examination at Close of Business January 18, 1936

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 32,852; Trade-Mark Division, 1,362. Oldest new case, September 21, 1933; oldest amended, September 19, 1933. The dates given are 1933 except where † indicates 1935.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
2004	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Nov. 19	Nov. 20	201
4705	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Veterinaries; Butchering; Bee Culture.	Oct. 11	Oct. 12	713
4083	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 18	Oct. 18	688
7053	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Oct. 19	Oct. 19	200
2026	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Dockets, Buttons, Etc.	Nov. 1	Nov. 1	474
4096 C	6. LEWERS, A. M., Carbon Chemistry	Oct. 15	Oct. 17	637
1775	7. JARBOE, C. G., Optics; Photography	Nov. 15	Nov. 15	884
3809	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Oct. 22	Oct. 22	146
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Dec. 13	Dec. 16	207
5512	10. HUNTER, O. P., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Nov. 23	Nov. 27	242
5857 D	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 17	Oct. 17	476
7701	12. HENRY, C. O., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Oct. 16	Oct. 22	470
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Nov. 15	Nov. 16	303
5897	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Oct. 16	Oct. 16	466
6897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 8	Nov. 8	627
5612	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 19	Oct. 19	655
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 30	Oct. 30	880
4613	18. PORTER, M. F., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 21	Oct. 15	497
4096	19. KENNEDY, J. R., Furnaces and Stoves; Fuel Burners	Oct. 30	Oct. 28	447
5613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Nov. 1	Oct. 25	382
7715	21. THOMPSON, T. J., Textiles; Cloth Finishing	Oct. 28	Oct. 21	510
5726	22. RINGLE, D., Ammunition; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 22	Oct. 22	544
7824	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Sept. 21	Sept. 19	462
2071	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Oct. 22	Oct. 22	230
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Oct. 15	Oct. 15	349
3896	26. ADAMS, W. M., Electricity, Generation; Motive Power	Nov. 13	Nov. 13	295
5705	27. CLARK, W. M., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Oct. 24	Oct. 21	363
4628	28. BENSON, A. R., Internal-Combustion Engines	Nov. 14	Nov. 4	225
5883	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Oct. 11	Nov. 9	295
4074	30. SHIPMAN, J. L., Ambient Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Oct. 17	Oct. 18	369
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Oct. 18	Oct. 18	711
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Nov. 20	Nov. 21	365
6006	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Oct. 18	Oct. 18	396
6855	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Oct. 22	Oct. 15	471
3909	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Oct. 19	Oct. 21	309
7902	36. McFADYEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Nov. 16	Nov. 20	295
6206 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Oct. 15	Oct. 21	548
7414	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Oct. 24	Oct. 19	378
6873	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 16	Nov. 16	323
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Oct. 19	Oct. 19	376
6062	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Nov. 14	Nov. 12	411
6862	42. CUTTING, H. O., Electric Signaling	Nov. 6	Oct. 23	333
6866 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Oct. 28	Oct. 28	413
6257 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Oct. 16	Oct. 16	350
7067	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Nov. 20	Nov. 25	244
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements.	Oct. 12	Oct. 18	425
7003	47. BARKER, H., Clutches; Brakes	Nov. 1	Oct. 28	313
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Oct. 23	Oct. 23	439
7726	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Nov. 19	Nov. 13	455
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Oct. 29	Oct. 29	600
5626	51. BACKUS, C. D., Radiant Energy	Nov. 9	Nov. 9	343
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Oct. 23	Oct. 19	311
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Tubes; Label Pasting and Paper Hanging.	Oct. 14	Oct. 19	416
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Oct. 21	Oct. 21	507
6867	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Nov. 1	Nov. 4	227
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation	Oct. 30	Oct. 28	709
5636	57. NICOLSON, C. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Nov. 15	Nov. 15	347
3905	58. DOWELL, E. F., Abrading; Bottles and Jars	Oct. 18	Oct. 25	406
4708	59. RICHARD, V. L., Chemistry; Fertilizers	Oct. 21	Oct. 28	552
5906	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Nov. 25	Nov. 15	321
6734	61. PARKS, C. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Position and Pulling; Horology; Time-Controlling Apparatus.	Oct. 21	Oct. 19	389
3875	62. COCHRAN, W. W., Games; Geometrical Instruments	Nov. 7	Nov. 1	403
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Oct. 8	Oct. 1	310
4706	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Nov. 4	Nov. 4	307
6894	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 9	Oct. 9	648
2000 F	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND	Dec. 12 (Trade-Marks)	Jan. 4	1,166
		Dec. 12 (Labels and Prints)	Jan. 4	228
2000	DESIGNS, H. H. KALUPY (Act.)	Dec. 18	Jan. 6	221

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE BRANDENBURG

No. 3,895. Decided November 25, 1935

[79 F.(2d) 744]

PATENTABILITY—SHOVEL BLADE.

Claims for a shovel blade *held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Francis H. Fassett and *Mr. Wm. Bohleber* for Brandenburg.

Mr. R. F. Whitehead and *Mr. Howard E. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

Appellant brings before us for review a decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner rejecting appellant's application, Serial No. 541,821, for a patent on shovels.

The application contains only two claims. These are numbered, respectively, 5 and 6. They read:

5. A shovel blade, each side edge of which curves toward the longitudinal meridian line to a point near the end of the blade, whence, by reverse curves, said edges continue to the end of the blade, thereby forming a share, said share being wider than it is long.

6. A shovel blade, each side edge of which curves toward the longitudinal meridian line to a point near the end of the blade, whence, by reverse curves, said edges continue to the end of the blade, thereby forming a share, said share being the same thickness as the blade and wider than it is long.

It appears that the foregoing claims were not in the application as originally filed, but were added by amendment during the prosecution of the case in the Patent Office.

The decisions of the tribunals of the Patent Office, while differing as to description of some details of the single reference cited, nevertheless concurred in holding appellant's shovel unpatentable in view of that reference which is a British patent entitled "Improvements in or relating to shovels and the like" issued in 1921 to James Richard Armstrong-Kelly.

Appellant has modified or altered the conventional "round-point" shovel of the type stated in the specification to be known in the trade as "plain back," used for excavating and for handling materials of various kinds, by providing an extension of the lower end of the blade, the extension itself being rounded and being narrower than that portion of the blade which is above it. It is this extension which appellant designates as a "share", his specification reciting that it is "so called because of its resemblance, in function at least, to a plow-share".

While the specification does not so state, we see no reason to question the correctness of the statement in appellant's brief that his shovel is made "from a single sheet of material". Also we accept as correct (although the specification says nothing upon the subject) the statement in claim 6 to the effect that the share portion of the blade is of the same thickness as the other portion, and the statement in both claims that the share is wider than it is long. The drawings justify these deductions.

The specification states:

* * * This improvement has two principal objects: (a) it facilitates entrance of the shovel into the earth or other material, and (b) it lengthens the life of the shovel.

The reference patent discloses a shovel "with a prong or pointed projection at the point or centre of the bottom or shovelling edge". The specification states, in substance, that such prong may be constructed integral with the blade of the shovel, or constructed as a separate part and riveted, or otherwise suitably affixed, to the blade.

As to the purpose of the invention in the reference patent, its specification declares, in effect, that it is to increase the efficiency and the life of the shovel—the same objective sought by appellant.

From the foregoing general description of the respective devices it is obvious that they are broadly similar in design and that both parties sought to solve the same problems, or accomplish the same purposes. In other words, appellant's "share" corresponds, at least broadly, to the "prong" or "pointed projection" of the reference patent, and, so far as we can see, notwithstanding appellant's argument *contra*, substantially the same function is performed by both "share" and "prong".

If, therefore, patentability may be found in appellant's device, such patentability must be predicated upon the limitations found in the claims.

The brief of appellant alleges with emphasis that appellant's shovel is made "from a single sheet of material," but this allegation is not contained in either claim, nor is it stated in the specification. Furthermore, we think it not unreasonable to interpret the teaching of the patent to be that the shovel there patented may be made of a single piece. Indeed, claim 2 thereof refers to a shovel having "the projection * * * fashioned in one piece with the blade of the shovel".

The only limitations, found in the claims, which are seriously urged as justifying a finding of patentability relate to the matter of dimension. Both claims recite that appellant's share is "wider than it is long" and claim 6, in addition, states that the share is of the same thickness as the blade".

Appellant's brief points out that upon the matter of width and length there is a discrepancy between the finding of the Examiner and the finding of the Board. The Examiner, referring to Figs. 1 and 2 of the patent drawings, found the "prong" of the patent to be "longer than it is wide," while the Board referred to it as being "approximately as wide as it is long, being possibly very slightly wider than long, the same as applicant's prong". Elsewhere the Board refers to the prong of the patent as being "spoon-shaped".

Seemingly, because of this discrepancy and some other differences in expression of the respective tri-

bunals of the Patent Office, the brief for appellant argues that the British patent should not, "either in law or equity, be regarded as a proper reference".

So far as it is sought to apply this argument to a proceeding in the Patent Office relative to securing a patent, we do not agree with the contention.

For information with respect to the width and length of appellant's "share" we have to rely solely upon his drawings. The same is true with respect to the "prong" of the reference patent. Claim 3 of the latter refers to the "prong" as being of "spearhead shape", but the specification has nothing to say as to width or length.

When we turn to the drawings of the patent, it is observed that the patentee gave several different forms. His Fig. 1, for example, shows a "prong" which, in outline, is oval in shape and is longer than it is wide, while the "prong" portion of the drawing in Fig. 11 is apparently wider than it is long. Other figures show other modifications as to these particular dimensions.

We do not, in fact, regard the feature of relative width and length of appellant's shovel as being critical upon the question of patentability, but, even if it were, we fail to find wherein appellant has with any definiteness distinguished in this regard.

There remains to be considered the feature of "thickness".

The specification of the patent definitely teaches that—"The blade where the prong merges into it is reinforced or strengthened by increasing its thickness to a suitable extent." Appellant's specification teaches nothing as to this, but, as has been stated, for the purposes of the case, we accept the teaching of the drawings as being sufficient to support the limitation, expressed in claim 3 in the words, "said share being the same thickness as the blade".

The question is, therefore, whether any invention resides in making the shovel and its extension or share uniform in thickness.

We find ourselves in entire agreement with the tribunals of the Patent Office in their holding to the effect that this conception did not require the exercise of inventive genius. When the nature of the device is considered this feature seems to us inconsequential so far as patentability is concerned.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CROWELL.

No. 3,584. Decided November 25, 1935

[79 F.(2d) 746]

1. REISSUE—ESTOPPEL—CANCELLATION OF CLAIM IN ORIGINAL APPLICATION.

Certain claims of an application for reissue of a patent granted on a divisional application *Held* properly rejected on the ground of estoppel where a claim for the same subject matter had been cancelled from the parent application which had also matured into a patent.

2. SAME—NEW MATTER.

A claim of reissue application *Held* properly rejected as including matter not disclosed in original application on which patent was granted.

LENROOT, *J.*, dissenting as to claim 6.

APPEAL from the Patent Office. Affirmed.

Messrs. Milburn & Milburn, and *Messrs. Joseph F.* and *J. W. Milburn* for Crowell.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting appealed claims Nos. 1, 6, and 8 in appellant's application for the reissue of Patent No. 1,828,100.

The claims read:

(1). The method of cementing wells, which consists of: first, closing by a traveling plug, the bore of a normally substantially open well casing at a predetermined point intermediate its upper and lower ends; second, opposing, by fluid pressure from the top of the well, normally closed ports located in said casing above said predetermined point of casing-bore closure; third, forcing a liquid cementing mixture downwardly through said casing and outwardly through said ports; fourth, closing valves controlling said ports, thus holding the cement in the annular space outside the casing.

(6). The method of cementing wells, which consists of: first positioning the casing a short distance from the bottom of the well; second, establishing circulation through the casing and the annular space outside the casing; third, forcing by fluid pressure from the top of the well, a liquid cementing mixture downwardly through the casing; fourth, closing the bore of the casing at a predetermined point intermediate its upper and lower ends; fifth, continuing the application of fluid pressure to force said liquid cementing mixture outwardly through normally closed ports located in said casing above said point of closure of said casing; sixth, discontinuing pressure to allow spring-actuated valves of said ports to close, thus holding the cementing mixture in the annular space outside of the casing.

(8). The method of cementing wells, which consists of: first, establishing fluid circulation through the well-casing and through the annular space outside of the casing; second, inserting in its upper portion a plug carrying means slidingly fitting said casing; third, forcing a liquid cementing mixture into said casing above said plug and downwardly through said casing advancing said plug before it; fourth, closing the bore of said casing by the stoppage of said plug at a predetermined point intermediate the upper and lower ends of said casing; fifth, continuing the application of fluid pressure from the top of the well to force open normally closed ports in said casing above said predetermined point of closure, and to force said cementing fluid outwardly through said ports and into the annular space outside of the casing; sixth, releasing pressure from the top of the well to permit the valves controlling said ports to close, thus holding the cement in the annular space outside of the casing.

The references are: Perkins et al., 1,011,484, December 12, 1911; Crowell, 1,482,017, October 17, 1923; Crowell, 1,502,179, July 22, 1924; Crowell, 1,601,239, September 28, 1926; Davis et al., 1,641,741, September 6, 1927; McKee, 1,677,975, July 24, 1928; Boynton, 1,687,424, October 9, 1928; Halliburton, 1,860,666, May 31, 1932.

It appears from the record that the application upon which patent, No. 1,828,100, issued was a division of parent application Serial No. 171,851, filed March 1, 1927, which matured into patent, No. 1,828,099, October 20, 1931.

During the prosecution of the parent application, appellant cancelled claim 23 contained therein. It reads:

23. Well casing having an unobstructed open bore throughout its length, a normally closed lateral port in the casing adapted to open responsive to pressure in the casing, a plug slidable in the bore of the casing, and means for anchoring the plug in the unobstructed bore of the casing below the port and above the lower end of the casing so as to shut-off the entire bore of the casing below [the port and leave the entire bore of the casing unobstructed above the port].

The Board of Appeals held that as appealed claims 1 and 8 were for substantially the same subject-matter as that defined in cancelled claim 23, appellant was estopped from presenting them in the involved application. The Board rejected appealed claim 6 on the ground that it contained new matter not disclosed in the original specification.

It will be observed that appealed claim 1 differs from cancelled claim 23 in that the former states that the bore of the casing is "normally substantially open," whereas the latter specified a casing having an "unobstructed open bore throughout its length"; and that whereas the appealed claim provides for closing of valves controlling the ports in the casing, such valves are not expressly referred to in the cancelled claim.

Counsel for appellant contend that cancelled claim 23 is "only for a sub-combination," and that the provision for a normally substantially open bore of a casing, plus the additional step of closing valves controlling the ports in the casing, contained in appealed claim 1, calls for a patentable combination not disclosed in the prior art, nor claimed in the cancelled claim.

Appellant states in his specification that it is advantageous "to have the full bore, or substantially the full bore, of a string of casing available when carrying on drilling operations or washing down the string of casing, and it is also desirable when circulating a washing medium preparatory to a cementing operation to utilize the bore of the casing, which should not be substantially impeded or restricted, and then to supply the cementing mixture through the unobstructed bore of the casing, or, at least, through a bore of the casing not restricted or obstructed to such an extent as to seriously impede or prevent the operation referred to." Appellant frequently refers in his specification to the bore of the casing as being "unobstructed," "substantially unobstructed," and "substantially open," and it is perfectly clear that the bore of the casing must be substantially open in order to carry out appellant's process.

It will be observed, therefore, that appellant has used the terms "unobstructed," "substantially unobstructed," and "substantially open" interchangeably. Accordingly, for the purpose of this case, the term "unobstructed," contained in cancelled claim 23, should be interpreted as having the same meaning as the term "substantially open," contained in appealed claim 1. See Walker on Patents, (6th Ed.) Vol. 1, 227. Obviously then, a "casing having an unobstructed open bore throughout its length," means a casing having a substantially open bore.

It will further be observed that cancelled claim 23 provides for a "normally closed lateral port in the casing adapted to open responsive to pressure in the casing."

The Solicitor for the Patent Office insists that the quoted language in cancelled claim 23 clearly implies a means to close the port in the casing at the proper time after it is opened by pressure in the casing, and that as it is old, as disclosed in the Crowell reference, Patent No. 1,601,239, issued September 28, 1926, to close the ports in the casing by means, such as a "spring," it would not involve invention to add such element to the combination defined in cancelled claim 23.

We quote from that reference:

> It is a further object of the invention to provide an extremely simple but practical valvular control, adapted to normally positively close the valves, but readily yielding for opening thereof, when cement is forced downwardly through the casing. * * * * * *
>
> The shifting of valve 11 longitudinally of the casing rather than radially thereof, eliminates the possibility of the valvular control striking the wall of the well, irrespective of restrictions in the well bore, and full opening of the valve is thus assured.
>
> After discharge of all of the cement, the valve collar 11 is positively reseated by its spring 12, so as to close the discharge ports and thus permit the cement to harden without the possibility of it reentering the bore of the string of casing. The back pressure valve 7 is subsequently drilled out in usual manner to provide an unobstructed passage through the bore of the string of well casing.

If, as stated in cancelled claim 23, the lateral port in the casing is normally closed, but is adapted to open responsive to pressure in the casing for the purpose of permitting the cementing operation, a means adapted to close the port subsequent to the cementing operation is necessarily implied. That feature being old and well known to the art, as disclosed in the patent to Crowell, No. 1,601,239, it would not involve invention to add it to the combination defined in cancelled claim 23. We are of opinion, therefore, that appealed claim 1 is not patentably distinct from cancelled claim 23.

As pointed out by counsel for appellant, appealed claim 8 calls for a "plug carrying means slidingly fitting said casing," and the closing of the bore of the casing "by the stoppage of said plug at a predetermined point intermediate the upper and lower ends of said casing," whereas cancelled claim 23 calls for a "plug slidable in the bore of the casing, and means for anchoring the plug in the unobstructed bore of the casing below the port and above the lower end of the casing so as to shut-off the entire bore of the casing below [the port and leave the entire bore of the casing unobstructed above the port.]"

Counsel for appellant contend that the quoted language contained in cancelled claim 23 implies that it is the "means for anchoring the plug" which wholly or partially closes the bore of the casing, whereas, in fact, the bore of the casing is entirely closed by the plug itself, as stated in appealed claim 8. Counsel for appellant further point out that, in a decision by the Board of Appeals in a companion case, referred to in its decision in the case at bar, it was stated that appellant was the first "to provide a plug slidably fitting the casing and force it down into the casing to close it so that the bore is unobstructed up to the time the cementing is to occur," and that the anchoring means in appellant's device did not obstruct the bore in the casing.

It clearly appears in appellant's specification that the means for anchoring the plug does not in any way obstruct the bore of the casing, and that it is the plug itself which entirely closes the bore of the cas-

ing below the port. We quote from the specification:

Below the ports 4 the bore of the ported section of the casing preferably has an increased diameter forming an elongated annular recess 7 terminating in upper and lower shoulders 8 and 9 formed by continuations of the uniform bore of the string of casing; and the lower shoulder 9 forms a seat for a plug 10 adapted for expansion into recess 7, while the upper shoulder 8 is preferably inclined to permit ready expansion of the plug when it is lowered through the bore of the casing to the level of the recess.

In order to provide anchoring means for plug 10 in recess 7, the plug is shown as provided with an intermediate reduced diameter 11 adapted to receive arcuate locking slips 12 which are adapted to contract wholly within the outer periphery of the plug.

Bias springs 13 fixed to the plug in back of the slips engage the latter so as to tend to expand the same beyond the periphery of the plug, and expansion of the slips is preferably guided and limited by abutments 14 on the plug engaging in notches 15 in the slips. As the plug is lowered through casing A, the uniform bore of the latter contracts the slips to permit free passage of the plug, and when the plug is opposite recess 7, the annular enlargement formed thereby permits springs 13 to expand the slips so that they rest on shoulder 9 and thereby anchor the plug.

Packing is preferably mounted on the plug to insure a tight shutting-off of the casing when the plug is anchored in recess 7, the parts being so arranged that when the plug is anchored its packing closes the bore of the casing just below ports 4.

The plug referred to in cancelled claim 23 as a "plug slidable in the bore of the casing," and in appealed claim 8 as "a plug carrying means slidingly fitting said casing," is described in appellant's specification as "a plug," an "anchored plug," and a "plug * * * adapted for expansion" into the elongated annular recess in the bore of the casing.

Obviously then, the language

"a plug slidable in the bore of the casing, and means for anchoring the plug in the unobstructed bore of the casing * * * so as to shut-off the entire bore of the casing below [the port and leave the entire bore of the casing unobstructed above the port],"

contained in cancelled claim 23, in view of appellant's specification, could not reasonably be construed as meaning that the means for anchoring the plug either partially or substantially closes the bore of the casing.

The sixth step in appealed claim 8 relates to the closing of the valves controlling the ports in the casing.

Our discussion relative to the closing of the valves controlling the ports in the casing, called for in claim 1, is applicable to the sixth step in appealed claim 8, and we deem it unnecessary to repeat it.

We are of opinion that the Board of Appeals was right in holding that appealed claim 8 is not substantially different from cancelled claim 23.

Counsel for appellant challenge the correctness of the decision of the Board holding the doctrine of estopple applicable to the subject-matter of appealed claims 1 and 8, in view of the fact that cancelled claim 23, although for the same subject-matter, was contained in a "co-pending apparatus case"—the parent application, and not in the divisional application.

It should be said here, however, as stated by the Solicitor for the Patent Office, that the co-pending case referred to by counsel for appellant—

* * * was the parent of the application resulting in the patent sought to be reissued. In other words, appellant divided his parent case, got a patent on the divisional application and now seeks to reissue that patent. It is clear that any claims canceled in the parent case to get a patent could not be reasserted in a reissue of a patent granted on the parent case, and it seems equally clear that such claims should neither be allowed in a reissue application of a patent granted on a divisional application of the parent case. It would be a strange anomaly indeed if a deliberately cancelled claim which could not be revived in reissue application of a parent case could be revived by the more expedient of dividing the parent case and instead of seeking a reissue of the parent case, seek a reissue of the patent resulting on the divisional application. The proceedings in the divisional case are merely a continuation of those in the parent case.

[1] It may be that, in applying the doctrine of estoppel in this case, the Board of Appeals, as stated by counsel for appellant, "has gone further than any previous decision in rejecting a reissue on such ground." But, however that may be, we think the doctrine of estoppel is clearly applicable, and that appellant is estopped to claim subject-matter in the present application for reissue which he deliberately cancelled in claim 23 of the parent application. See *In re Murray, Jr.*, 20 C. C. P. A. (Patents) 1046, 64 F.(2d) 788, 433 O. G. 794, and cases cited.

As hereinbefore stated, appealed claim 6 was rejected by the Board of Appeals on the ground that it contained new matter not disclosed in the original specification.

The present application contains the following description of the invention defined in appealed claim 6, which, it is conceded by counsel for appellant, was not contained in the divisional application which matured into patent, No. 1,823,098:

As is well understood by those of skill in this art, various and diverse conditions are met in the process of shutting off water from oil wells. Sometimes, for instance, the casing becomes frozen and cannot be raised from the bottom so as to permit circulation or cementing through the bottom of the casing; at other times while the casing may be raised, caving of such character and to such an extent may have occurred that sufficient circulation cannot be obtained, nor, in such cases, can the cementing fluid be properly placed through the bottom of the casing or effectively to a sufficient height above the bottom of the casing. Again, sometimes a good formation seat is available, and at other times not. Occasionally a partial cementing may be accomplished through the bottom of the casing, but it may be deemed desirable to continue the operation of forcing the cementing fluid outwardly through one or more of a series of ports above the bottom of the casing in addition to the attempted cementing at the bottom of the well. In the process of my present invention, barriers may be used or omitted, and indicating plugs may be used or omitted during the course of cementing or attempting to cement through the bottom of the casing. The process of the present invention is adapted to all such varying conditions, the provisions for circulation or cementing, or both, through lateral ports intermediate the ends of the casing and located at any predetermined point or points, either separately or in conjunction with circulating or cementing, or both, through the bottom of the casing, during all of which operation any substantial built-in closure or partitioning off of the casing is avoided, constituting advantages which make my process of great adaptability and therefore of great value as an improvement in this art.

* * * * * *

Steps old in this art, consisting of circulating through the bottom of the casing and of cementing through the bottom of the casing, are not prevented or impeded in any manner by the improvement herein described; on the contrary, they are made part of the present method, and it is contemplated that said steps or either of them may be used in conjunction with either or both of the steps of circulating or cementing through ports in the casing intermediate the top and bottom of the casing, all of which are comprised as elements within my process of shutting off water from a well.

Counsel for appellant argue that the alleged new matter contained in the quoted excerpt amounts only to a statement of matters long known to the art; that such matter was inserted in the reissue application

"on the theory that the original description was defective or insufficient as not fully showing the uses of the invention";

that if the alleged new matter is entirely eliminated, the original specification upon which the reissue application is based amply supports appealed claim 6, if it be read in the light of the prior art; and that, therefore, the tribunals of the Patent Office erred in holding that claim 6 contains new matter.

[2] We are unable to concur in the views expressed by counsel for appellant. It is clear, we think, that the matter contained in the quoted excerpts does not relate merely to the uses of an invention already described, but, on the contrary, is, in fact, new matter, and discloses for the first time the combination of steps contained in appealed claim 6. We must hold, therefore, that the tribunals of the Patent Office reached the right conclusion. See *In re Collins*, 22 C. C. P. A. (Patents) 1058, 75 F.(2d) 1000, 458 O. G. 440, and cases cited.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

LENROOT, *J.*, dissents as to claim 6.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

1,278,988, H. D. Morton, Portable electric arc welding apparatus; Re. 18,818 (of 1,892,497), 1,890,210, same, Arc welding system; 1,648,562, same, Electric arc welding apparatus; 1,648,560, same, Electric arc welding, D. C. Mass., Doc. E 3322, *Automatic Arc Welding Co. v. Walsh Holyoke Steam Boiler Works, Inc.* Discontinued pursuant to stipulation Oct. 4, 1935.

1,291,897. (See Re. 15,051.)

1,297,185. (See Re. 18,579.)

1,306,270, E. L. Broome, Sluice gate, D. C., S. D. Calif. (Los Angeles), Doc. E Z-32-M, *Broome & Davies, Inc., v. City of Pasadena, Calif. et al.* Consent decree for plaintiff holding patent valid and infringed Dec. 9, 1935.

1,378,604. (See 1,721,063.) 1,392,284. (See 1,551,998.)

1,392,437. (See 1,378,985.)

1,409,861. (See Re. 16,837.)

1,472,484, H. Mayer et al., Dumping wagon; Re. 17,130, G. W. Berry, Tilting mechanism for dumping bodies, D. C., N. D. Ohio, W. Div., Doc. E 1293, *The Commercial Shearing & Stamping Co. v. The Differential Steel Car Co. et al.* Dismissed without prejudice Dec. 2, 1935.

1,514,100. (See Re. 17,122.)

1,526,601, W. Hurlburt, Packing ring compressor sleeve, D. C. Mass., Doc. E 3174, *W. Hurlburt v. W. B. Greene.* Injunction granted May 8, 1934.

1,551,998, W. McLaren, Automatic cup pastry making machine; 1,392,284, Roberts & Roberts, Automatic cone making machine, filed Dec. 3, 1935, D. C. Mass., Doc. E 4262, *National Biscuit Co. v. Old South Cone Co., Inc., et al.*

1,573,374. (See Re. 18,579.)

1,581,188, C. G. Fink, Process for electrodepositing chromium and of preparing baths therefor, D. C., E. D. N. Y., Doc. E 7754, *United Chromium, Inc. v. Cromsilk Silver Mfg. Co. et al.* Consent decree for plaintiff Dec. 10, 1935.

1,587,078. (See 1,609,273.)

1,609,273, R. Davis, Pneumatic control and safety device for pressing machines; 1,819,641, same, Control for fluid motors; 1,587,078, H. H. McDermott, Operative mechanism for steam presses; 1,779,930, J. P. Daly, Garment or ironing press, D. C., S. D. N. Y., Doc. E 76/328, *The Prosperity Co., Inc. v. Burmingham, Wolf & Smith, Inc. et al.* Patents sustained, injunction granted (notice Dec. 2, 1935).

1,618,617. (See Re. 18,579.)

1,620,319. (See 1,378,985.)

1,622,957. (See Re. 18,852.)

1,647,710, 1,647,711, H. E. Nichols, Portable electrocardiograph; 1,838,139, same, Interference eliminator for electro-cardiographs, filed Dec. 2, 1935, D. C. Mass., Doc. E 4260, *H. E. Nichols et al. v. Sanborn Co.*

1,647,711. (See 1,647,710.) 1,648,560. (See 1,278,985.)

1,648,563. (See 1,278,985.)

1,662,035, F. L. Smith et al., Retread mold for tires; 1,710,904, same, Tire retreading mold; 1,760,944, E. A. Glynn, same, filed Nov. 21, 1935, D. C. Utah (Salt Lake), Doc. E 12910, *Super Mold Corp. v. J. V. Rovig (Rovig Truck Tire Shop).*

1,670,082, D. M. Solenberger, Piston ring, D. C. Mass., Doc. E 3104, *The Simplex Piston Ring Co. of America, Inc. v. H. D. Lyman (Lyman Motor Parts Co.).* Dismissed without prejudice for lack of prosecution Jan. 2, 1934.

1,678,474, M. Krause, Upholstery construction; 1,700,939, same, Web support and upholstery construction, D. C. Mass., Doc. E 3194, *S. L. Warren v. Bay Mfg. Co.* Dismissed without prejudice for lack of prosecution Jan. 2, 1935, Doc. E 3256, *S. L. Warren v. Bay State Upholstering Co.* Decree as above.

1,681,443. (See 1,721,063.) 1,700,939. (See 1,678,474.)

1,707,617. (See Re. 18, 579.)

1,710,804. (See 1,662,035.)

1,721,663, A. Holshauer, Jr., Heating attachment for windshields; 1,378,604, J. W. Murphy, Condensation preventing device; Re. 17,821 (of 1,681,443), H. H. Steinman, Anti-frost device for windows, filed Dec. 4, 1935, D. C., M. D. Pa., Doc. 1218, *Holshauer Products Corp. v. J. Ruane.*

1,734,681. (See Re. 16,827.)

1,757,001, G. C. Beidler, Photographic apparatus, filed Dec. 7, 1935, C. C. A., 2d Cir., Doc. —, *G. C. Beidler v. Photostat Corp.*

1,760,944. (See 1,662,035.)

1,764,794, Johnson & Leach, Fuel oil burner, D. C. Mass., Doc. E 3448, *Lynn Products Co. v. General Oil Burners, Inc. et al.* Dismissed without prejudice for lack of prosecution Jan. 2, 1935. Doc. E 3449, *Lynn Products Co. v. The Genoil Co. et al.* Decree as above.

1,779,930. (See 1,609,273.)

1,781,171, Re. 19,598, S. S. Furrer, Disc harrow; 1,831,042, J. S. Stewart, Turning device for offset harrows, filed Oct. 14, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E D-102, *Brunnels Mfg. Co. v. Olson Bros. et al.*

1,787,098, N. Wolff, Union suit, C. C. A., 1st Cir., Doc. 3051, *Jordan Marsh Co. v. N. Wolff et al.* Decree reversed (notice Dec. 12, 1935).

1,791,267. (See 1,914,115.)

1,795,214. (See Re. 18,579.)

1,819,641. (See 1,609,273.) 1,831,042. (See 1,781,171.)

1,834,580, Drinker & Shaw, Respiration apparatus; 1,906,453, same, Respirators; 1,906,844, same, Artificial respirators, filed Dec. 4, 1935, C. C. A., 1st Cir., Doc. 3096, *W. E. Collins et al. v. J. H. Emerson.*

1,853,560, 1,853,561, P. S. Hanton, Mechanical pencil, C. C. A., 2d Cir., Doc. —, *Scripto Mfg. Co. v. Eagle Pencil Co.* Decree affirmed (notice Dec. 9, 1935).

1,853,561. (See 1,853,560.)

1,874,832, W. K. Tavender, Steam heated sad iron, D. C., S. D. N. Y., Doc. E 77/170, *W. K. Tavender et al. v. New York Pressing Iron Co.* Consent order of discontinuance (notice Dec. 9, 1935).

1,885,276, R. C. McKay, Automatic card shuffler and dealer; 1,992,065, same, Method of dealing playing cards, filed Dec. 9, 1935, D. C., E. D. N. Y., Doc. E 7835, *R. C. McKay v. Abraham & Straus, Inc.* Same, D. C., S. D. N. Y., Doc. E 82/1, *R. C. McKay v. P. H. Richards, Inc., et al.*

1,888,139. (See 1,647,710.)

1,894,197. (See Re. 18,579.)

1,906,453. (See 1,834,580.) 1,906,844. (See 1,834,580.)

1,914,115, 1,791,267, same, Terrazzo strip, C. C. A., 2d Cir., Doc. —, *H. L. Fink v. V. Foscato, Inc., et al.* Decree reversed (notice Dec. 2, 1935).

1,992,065. (See 1,885,276.)

2,002,421, Tiemyre & Cotnareanu, Electric timepiece; 2,002,423, G. P. Cowles, Electrical actuating means for clocks and instruments, filed Dec. 10, 1935, D. C. Mass., Doc. E 4265, *The Hammond Clock Co. v. G. P. Cowles.*

2,002,433. (See 2,002,421.)

2,014,203. (See Re. 18,856.)

Re. 15,051 (of 1,291,397), Cantrell & Miller, Oil retainer, C. C. A., 2d Cir., Dec. —, *National Motor Bearing Co., Inc.* v. *Consolidated Motor Parts, Inc.* Decree reversed (notice Dec. 9, 1935).

Re. 15,313. (See 1,278,985.)

Re. 16,527 (of 1,409,861), H. B. Imes, Lifting jack 1,734,831, W. B. Runyan, Jack, D. C., N. D. Ohio, E. Div., Doc. 5141, *The Dayton Malleable Iron Co.* v. *Buckeye Jack Mfg., Inc.* Consent decree holding both patents valid and infringed Dec. 10, 1935.

Re. 17,122 (of 1,514,100), W. J. Rancourt, Tap splitting machine, D. C. Mass., Doc. E 3076, *W. J. Rancourt* v. *Ponco Rubber Co.* Decree dismissing bill Nov. 7, 1932. Decree of lower court affirmed Dec. 11, 1933.

Re. 17,130. (See 1,472,494.)

Re. 17,393. (See Re. 18,852.)

Re. 17,821. (See 1,721,603.)

Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation; 1,297,188, I. Langmuir, System for amplifying variable currents; 1,573,374, F. A. Chamberlain, Radio condenser; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,896,197, Rice & Kellogg, same, D. C., S. D. N. Y., Doc. E 81/289, *Radio Corp. of America et al.* v. *H. & B. Radio Corp. et al.* Consent decree for plaintiff (notice Dec. 7, 1935).

Re. 18,841. (See Re. 18,852.)

Re. 18,852 (of Re. 18,841, Re. 17,393 and 1,622,957), J. Mayer, Hair waving appliance, D. C., S. D. Ohio, W. Div., Doc. E 851, *The Pilled Co. et al.* v. *National Mineral Co. et al.* Claims 3, 4, and 5 of Re. 18,841, and claims 8, 9, and 10 of Re. 17,393 held valid and infringed (notice Dec. 2, 1935).

Re. 18,856, A. Weiss, Rotary intaglio printing machine; 2,014,303, same, Rotary intaglio printing, filed Dec. 5, 1935, D. C., S. D. N. Y., Doc. E 81/394, *A. Weiss et al.* v. *R. Hoe & Co., Inc. et al.*

Re. 19,598. (See 1,781,171.)

Des. 97,240, H. Mover, Radiator cover for automobiles, filed Dec. 9, 1935, D. C. Mass., Doc. E 4264, *Boston Leather Specialty Co.* v. *Vatco Mfg. Co.*

T. M. 315,023. (See T. M. 315,138.)

T. M. 315,138, T. M. 315,023, J. E. Seagram & Sons, Inc., Whiskey, D. C., N. D. Ill., E. Div., Doc. 14,774, *J. E. Seagram & Sons, Inc.* v. *Crown Spirits Co. et al.* Consent decree enjoining defendants from employing labels imitative of plaintiff's label. No mention of registered trademarks Oct. 2, 1935.

Disclaimers

T. M. 112,715.—*The Sydney Ross Co.*, New York, N. Y. TRADE-MARK "KITATOS", ETC., FOR A PREPARATION FOR COLDS AND MALARIAL TROUBLES. Registered September 19, 1916. Disclaimer filed December 19, 1935, by the registrant, *The Sydney Ross Co.*

Hereby disclaims that portion of the particular description of goods relating to "malarial troubles".

1,837,845.—*David W. Thomas*, Youngstown, Ohio. CHOKER FOR CYLINDRICAL MEMBERS. Patent dated December 22, 1931. Disclaimer filed January 2, 1936, by the assignee, *The Niles Steel Products Company.*

Hereby enters this disclaimer to claims 3 and 4 of said Letters Patent.

1,876,271.—*Robert W. Doty*, Philadelphia, Pa. VIBRATOR MECHANISM. Patent dated September 6, 1932. Disclaimer filed January 8, 1936, by the patentee.

Hereby directs this disclaimer to that part of the claims in said patent which are in the following words, to wit:

"5. Vibrator mechanism comprising a unitary member to be vibrated, a plurality of vibrator housings secured to such unitary member and each supporting a shaft with an eccentric weight secured thereto, said weights extending from their respective shafts in the same angular direction and said shafts being set in approximately tandem alignment with each other, flexible couplings connecting the shafts of the vibrators so that they will rotate in synchronism with each other and means for imparting rotative motion to said coupled shafts.

"6. Vibrator mechanism comprising a unitary member to be vibrated, a plurality of vibrator housings secured to such unitary member and each supporting a shaft with an eccentric weight secured thereto, said weights extending from their respective shafts in the same angular direction, in combination with a motor actuated driving shaft and flexible couplings connecting the shafts of the motor and vibrators in tandem so that all so connected shafts will rotate in angular unison."

1,854,441.—*Alfred Alsaker*, *Weldon O. Hampton*, and *Charles A. Kearner*, Chicago, Ill. VERTICAL BREAK DISCONNECTING SWITCH. Patent dated Apr. 19, 1932. Disclaimer filed January 6, 1936, by the assignee, *The Delta-Star Electric Company*, the patentees joining and concurring.

Hereby enters this disclaimer to that claim which is numbered 7 in said patent, and which is in the following words, to wit:

"7. A switch including a movable switch blade, a contact at the end thereof, a second contact adapted to be engaged by the first contact and be wedged into firm engagement therewith, an insulator stack supporting the second contact, means for actuating the second contact to loosen the engagement between the two while the switch blade is maintained substantially stationary, and means for thereafter swinging said switch blade away from said second contact in a direction initially substantially axially of the insulator stack."

1,933,735.—*August Hund*, Bethesda, Md. MODULATION SYSTEM. Patent dated November 7, 1933. Disclaimer filed January 10, 1936, by the assignee, *Wired Radio, Inc.*

Hereby enters a disclaimer to claims 25 and 26 of said patent, which are in the following words, to wit:

"25. In a piezo-electric-crystal-controlled oscillation generator, mechanical means for varying the frequency at which the crystal tends to oscillate.

"26. In a radio transmitting system, an oscillation generator comprising a thermionic tube and associated circuits, means comprising a piezoelectric crystal for determining the oscillation frequency, and a movable element for varying the frequency at which the crystal oscillates."

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 4, 1936

[VOL. 463. NO. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 371,960. THE UNITED STATES GRAPHITE CO., Saginaw, Mich. Filed Nov. 25, 1935.

CARBORITE

For Natural Amorphous Graphite.
Claims use since Nov. 7, 1935.

CLASS 2

Receptacles

Ser. No. 371,219. LEUTHERIC, INCORPORATED, New York, N. Y. Filed Nov. 5, 1935.

Dew-Dab

For Perfume and Cosmetic Dispensers Made of Base Metal.
Claims use since Oct. 26, 1935.

Ser. No. 372,584. BENJ C. BETHKE CO., Devon, Pa. Filed Dec. 18, 1935.



No claim is made to the wording apart from the mark as shown.
For Paper Bags or Containers.
Claims use since Nov. 6, 1935.

Ser. No. 373,012. CONTINENTAL PAPER & BAG CORPORATION, New York, N. Y. Filed Dec. 20, 1935.

SOUTHERN
MAID

For Paper Bags.
Claims use since Dec. 2, 1935.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 371,753. BANNER MANUFACTURING COMPANY, INC., New York, N. Y. Filed Nov. 20, 1935.

SecroSide

For Handbags.
Claims use since Nov. 16, 1935.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 350,834. JANVY, INC., Brooklyn, N. Y. Filed Apr. 28, 1934.

Softasilk

For Porcelain Cleaner, Hand Cleaner, Household Cleaner for Enamelware, Glassware, Woodwork, Carpet and Fabric Cleaner, and Soaps in Powdered Form.
Claims use since Apr. 4, 1934.

Ser. No. 369,220. FABRUDD MANUFACTURING CO., Long Island City, N. Y. Filed Jan. 14, 1935.



No claim is made to the words "Palm Beach" apart from the mark. The drawing is lined for orange.
For Liquid Shoe Cleaner.
Claims use since April, 1934.

Ser. No. 370,124. FLEETWOOD R. SCHUNK, doing business as Du Chaine Laboratories, Menomonee Falls, Wis. Filed Oct. 7, 1935.

duChaine's
Velvet
Shave

No claim is made to the word "Shave" apart from the mark.
For Brushless Shaving Cream.
Claims use since Jan. 5, 1934.

Ser. No. 370,310. HOUBIGANT, INC., New York, N. Y. Filed Oct. 12, 1935.

FOUGÈRE

For Soaps and Shaving Cream.
Claims use since 1899.

Ser. No. 370,312. HARRY R. LEWIS & CO., INC., Providence, R. I. Filed Oct. 12, 1935.

Lewisite
Cleanser

The word "Cleanser" is disclaimed apart from the mark.
For Cleansing Preparation for General Usage.
Claims use since May 6, 1935.

Ser. No. 371,626. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Nov. 16, 1935.



For Lacquer-Like Leather Dressing.
Claims use since 1916.

Ser. No. 371,644. LEEF BROS. INC., Minneapolis, Minn. Filed Nov. 16, 1935.

FROST-EX

For Chemically Treated Textile Pad for Removing Frost, Sleet, Snow, and Ice from Automobile Windshields and Windows.
Claims use since Sept. 1, 1934.

Ser. No. 372,550. EVERETT & BARRON COMPANY, Providence, R. I. Filed Dec. 12, 1935.

VIX-ENE

For Leather Dressing for Waterproofing Shoes, Harness, Belts, and Other Leather Articles.
Claims use since Nov. 30, 1935.

CLASS 6

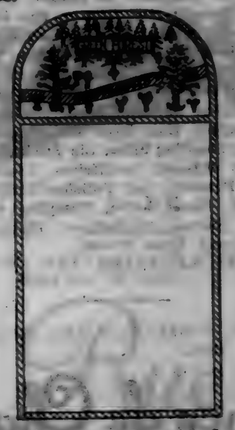
Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 367,224. GEORGE A. COMINS, Portland, Oreg. Filed July 13, 1935.



The drawing is lined for blue.
For Preparation for Use as Scalp Treatment and Scalp Invigorator.
Claims use since November, 1932.

Ser. No. 367,250. WILLIAM C. MORGAN, doing business as Green Forest Remedy Co., North Bend, Oreg. Filed July 13, 1935.



The drawing is lined for brown and green.
For Preparation for Use as a Blood Purifier and for the Treatment of Rheumatism.
Claims use since February, 1935.

Ser. No. 369,441. THE COLEMAN & BELL COMPANY, Norwood, Ohio. Filed Sept. 18, 1935.

Strumia's Blood Stain

Trade-mark contains the facsimile signature of the surname of Max M. Strumia, M. D. The words "Blood Stain" are disclaimed apart from the mark.
For Blood Stain.
Claims use since Sept. 9, 1935.

Ser. No. 369,487. HOUSE OF WALMAR, Chicago, Ill. Filed Sept. 19, 1935.



The word "Chicago" is disclaimed apart from the mark. The drawing is lined for red and gold.
For Toilet Water, Colognes, Hair Lotions, Face Lotions, Cold Cream, Skin Cream, and Shampoo.
Claims use since Aug. 19, 1935.

Ser. No. 370,040. MICHAEL FURCAK, Yonkers, N. Y. Filed Oct. 5, 1935.

Rose Marie

For Medicine Recommended Especially for Young People, for the Relief of Fits and Convulsions.
Claims use since Sept. 28, 1926.

Ser. No. 370,070. CLARENCE C. WILKERSON, doing business as D. H. O. Manufacturing Company, Oklahoma City, Okla. Filed Oct. 5, 1935.



The words "Must bear this" are disclaimed apart from the mark.
For Herb Blend for Blood Stream Alteration.
Claims use since Sept. 15, 1935.

Ser. No. 370,253. HOUBIGANT, INC., New York, N. Y. Filed Oct. 11, 1935.

FOUGÈRE

For Perfumes, Eau Vegetal, Toilet Water, After-Shaving Lotion, Sachets, Sachet Powders.
Claims use since 1899.

Ser. No. 370,685. EUGENE O. WHITE, Rochester, N. Y. Filed Oct. 22, 1935.

VECVACO

For Post Mortem Cosmetic in Liquid Form.
Claims use since Aug. 28, 1930.

Ser. No. 371,220. LENTHERIC, INCORPORATED, New York, N. Y. Filed Nov. 5, 1935.

Tweed

For Perfumes, Toilet Water, Talcum, Dusting, and Sachet Powders, and Bath Oil.
Claims use since February, 1935.

Ser. No. 371,297. CALIFORNIA PACKING CORPORATION, San Francisco, Calif. Filed Nov. 7, 1935.

Del Monte

For Fish Oil.
Claims use since Oct. 17, 1935.

Ser. No. 371,316. DANIEL O'CONNOR, doing business as Our King Remedies, Detroit, Mich. Filed Nov. 7, 1935.



OUR KING
VITALIZER
FOR VIM, VIGOR AND VITALITY

The portrait is fanciful. All words except "Our King" are disclaimed apart from the mark.
For Tonic in Tablet Form Used for the Treatment of Acidosis, Colonitis, Constipation, Elimination of Faecal Matter, Rheumatism, Neuritis.
Claims use since July 1, 1935.

Ser. No. 371,667. ABBOTT LABORATORIES, North Chicago, Ill. Filed Nov. 18, 1935.

GLUCOPHYLLINE

For Compound Having Heart Stimulant and Diuretic Action.
Claims use since Sept. 20, 1935.

Ser. No. 371,712. E. R. SQUIBB & SONS, New York, N. Y. Filed Nov. 18, 1935.

CONTRUIN

For Hormonal Preparations to Be Used in the Control of Prostatic Hypertrophy.
Claims use since Sept. 13, 1935.

Ser. No. 371,713. E. R. SQUIBB & SONS, New York, N. Y. Filed Nov. 18, 1935.

GAMONE

For Follicle—Stimulating Hormonal Preparations.
Claims use since Sept. 13, 1935.

Ser. No. 371,728. COMFORT MANUFACTURING COMPANY, doing business as Craig-Martin, Chicago, Ill. Filed Nov. 19, 1935.

CRAIG-MARTIN

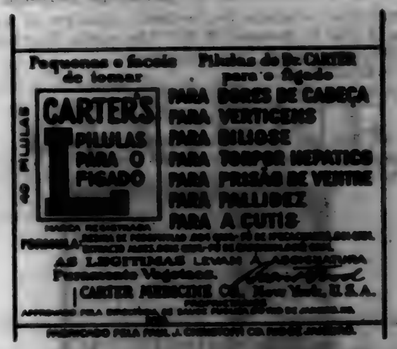
For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouge, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream, or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Dusting Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Hair Dressing, Brilliantine, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salve, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Nov. 5, 1930.

Ser. No. 371,835. VIMAY-CHANY, INC., Culver City, Calif. Filed Nov. 21, 1935.

Prince de Chany

For Perfume, Face Powder, Face Creams, Hand Lotions, and Eau de Cologne.
Claims use since May, 1934.

Ser. No. 371,850. CARTER MEDICINE COMPANY, New York N. Y. Filed Nov. 22, 1935.



All notations except "Carter's", "Carter Medicine Co.", "Brent Good", and the letter "L" are disclaimed apart from the mark. The colors red and black are claimed as features of the mark.
For Liver Pills.
Claims use since Oct. 31, 1935.

Ser. No. 372,007. LENA BROAD, doing business as Cahn Manufacturing Company, Philadelphia, Pa. Filed Nov. 26, 1935.

BUGERINE
SURE DEATH TO INSECTS

The words "Sure Death to Insects" are disclaimed apart from the name "Bugerine".
For Liquid Preparation for the Destruction of Insects (an Insecticide).
Claims use since July 5, 1935.

Ser. No. 372,104. L. KLEIN, INC., Chicago, Ill. Filed Nov. 29, 1935.

Elkay

For Glove Stretch.
Claims use since Jan. 12, 1934.

Ser. No. 372,135. LES PARFUMS DE MOLYNEUX, INC., New York, N. Y. Filed Nov. 30, 1935.

Rue Royale

For Perfume, Toilet Water, Face Powder, Talcum Powder, Bath Salts, Brilliantine, Bandoline, Rouge, Lipsticks, Dusting Powder, Sachet, Cold Creams, Lotion for the Skin and Hair, Powder and Rouge Compacts, and Vegetal.
Claims use since Nov. 21, 1935.

Ser. No. 372,144. THE RICHARDS CHEMICAL WORKS, Jersey City, N. J. Filed Nov. 30, 1935.

CHOLOPROL

For Chemical Substance Useful as a Softening, Finishing, or Lubricating Agent in Textile and Other Industrial Processing.
Claims use since August, 1933.

Ser. No. 372,145. THE RICHARDS CHEMICAL WORKS, Jersey City, N. J. Filed Nov. 30, 1935.

MAPROMIN

For Chemical Substance Useful as a Dispersive Agent in Textile and Other Industrial Processing.
Claim use since April, 1933.

Ser. No. 372,146. THE RICHARDS CHEMICAL WORKS, Jersey City, N. J. Filed Nov. 30, 1935.

MAPROMOL

For Chemical Substance Useful as a Softening or Emulsive and Wetting Out Agent.
Claims use since April, 1933.

Ser. No. 372,256. EDWIN M. ROSENBLUTH, doing business as Rose Manufacturing Company, Philadelphia, Pa. Filed Dec. 4, 1935.

TRI-OGEN

For Fungicides, Insecticides, and Disinfectants for Plants, Seeds, Seed Pods, Fruits, Nuts, and Tubers.
Claims use since July 11, 1932.

Ser. No. 372,315. DIXIE DUB COSMETICS, INC., doing business as Lady Orchid Cosmetics, Harrison, N. J. Filed Dec. 6, 1935.

Lady Orchid

For Cosmetics Such as Face Powder, Rouge, Talcum Powder, Lipsticks, Face Creams, Hand Creams, Skin Lotions.
Claims use since October, 1934.

Ser. No. 372,420. R. A. JACKSON, doing business as Us-It Distributors, Washington, D. C. Filed Dec. 9, 1935.

UZ-IT

For Antiseptic and Prophylactic Preparations.
Claims use since Aug. 19, 1932.

Ser. No. 372,559. ROBERT DANIELS, doing business as The Marvel Company, New York, N. Y. Filed Dec. 16, 1935.

MISSION

For Laxative Preparation.
Claims use since June 1, 1934.

Ser. No. 372,737. PARK LABORATORY COMPANY, INC., San Antonio, Tex. Filed Dec. 17, 1935.

"ORO-SOL"

For Preparation Used in the Treatment of Eye Irritation or Inflammation.
Claims use since November, 1932.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 372,948. ATLAS POWDER COMPANY, Wilmington, Del. Filed Dec. 23, 1935.

APEX

For Explosives—Namely, Powder and Dynamite.
Claims use since June 1, 1915.

CLASS 16

Paints and Painters' Materials

Ser. No. 364,532. ACE HARDWARE CORPORATION, doing business as Ace Stores, Chicago, Ill. Filed May 4, 1935.

ACE STORES

No claim is made to the word "Ace" apart from the mark.
For Aluminum Bronze Paint, Gold Bronze Paint, Gold Bronze Powder, Aluminum Bronze Powder, Bronzing Liq-

uld, Colors in Oil, Paint Enamels, Japan "B" Dryer, Kalsomine Lacquers, Lacquer Thinners, White Lead, Oil Gloss Paint, Oil Paints, Flat Paints, Cold Water Paint, Interior Gloss Paint, Semi-Paste Paint, Stippling Paint, Paint Primers and Sealers, Varnish Remover, Paint and Varnish Remover, Varnish, Paste Wax, Liquid Wax, and Paint Undercoaters.

Claims use since Mar. 1, 1928.

Ser. No. 367,951. VEGETABLE OIL PRODUCTS COMPANY, INC., Los Angeles, Calif. Filed Aug. 2 1935.

SUPERBLEND

For Paint Oil.

Claims use since June 19, 1935.

Ser. No. 372,124. JOHN LUCAS & COMPANY, INC., Philadelphia, Pa. Filed Nov. 26, 1935.

Lucas
a Great Name in PAINTS

Applicant is owner of Trade-Mark Certificate #329,548 registered under the 10-year proviso of the Act of Feb. 20, 1905. No claim is made to the word "Paints" apart from the mark.

For Liquid and Paste Paint, Varnishes, Lacquers, Lacquer Thinners, Chemical Dry Colors, Natural Earth Pigment Dry Colors, Cold Water Paints, Calcimines, Paint Rises.

Claims use since June 1, 1924.

Ser. No. 372,515. HEWIT-GATES COMPANY, Corpus Christi, Tex. Filed Dec. 11, 1935.

"IT PETRIFIES"
Petra Stone

The words "It Petrifies" and "Stone" are disclaimed apart from the mark. The drawing is lined for red.

For Paints for Concrete, Stucco, Brick, or Stone.

Claims use since August, 1934.

Ser. No. 373,052. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed Dec. 24, 1935.

CLEAROLIN

For Paints, (Ready Mixed, Paste Form and Dry), Paint Enamels, Lacquers, Japans, Varnishes, Stains, Paint Fillers, Kalsomine, Water Paints, White Lead, Dry Paint Colors, and Paint Pigments.

Claims use since Nov. 26, 1934.

CLASS 17

Tobacco Products

Ser. No. 372,020. LA INSULANA COMPANY, INC., Manila, P. I. Filed Nov. 26, 1935.

Monogram
MC

For Cigarettes.

Claims use since Sept. 10, 1935.

CLASS 20

Linoleum and Oilcloth

Ser. No. 372,868. DELAWARE FLOOR PRODUCTS, INC., Wilmington, Del. Filed Dec. 23, 1935.

DEL WARE

For Composition Floor Coverings—Namely, Rugs, and Yard Goods by the Roll.

Claims use since Feb. 18, 1935.

Ser. No. 372,865. DELAWARE FLOOR PRODUCTS, INC., Wilmington, Del. Filed Dec. 23, 1935.

LETHERITE

For Composition Floor Coverings—Namely, Rugs and Yard Goods by the Roll.

Claims use since Oct. 7, 1933.

Ser. No. 373,623. DELAWARE FLOOR PRODUCTS, INC., Wilmington, Del. Filed Dec. 24, 1935.

DIAMOND

For Composition Floor Coverings—Namely, Rugs and Yard Goods by the Roll.

Claims use since Dec. 15, 1923.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 365,712. TOBE DEUTSCHMANN COMPANY, Canton, Mass. Filed June 1, 1935.

Browning 35
WITH
TOBE
TUNER

The word "Tuner" is disclaimed apart from the mark.

For Parts of Radio Sets Either in Assembled Units or in Parts for Assembled Units, Including Condensers, Switches, Transformers, Resistors, Radio Tube Sockets, Dials, Switch-Boards, Switch Panels, Cases, and Connecting Elements.

Claims use since Nov. 1, 1934.

Ser. No. 366,177. STEWART-WARNER CORPORATION, Chicago, Ill. Filed June 13, 1935.

FERRODYNE

For Radio Receiving Sets.

Claims use since May 20, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 367,219. GEORGE WEINBERGER, doing business as B. C. Wills & Company, Detroit, Mich. Filed July 12, 1935.

WILLS
HI-TEMPERED
DICE

No claim is made to the words "Hi-Tempered Dice" apart from the mark.

For Dice.

Claims use since June 29, 1935.

Ser. No. 372,277. DOMENICO FRISOLI, doing business as Scientific Model Airplane Co., Newark, N. J. Filed Dec. 5, 1935.

Science-craft

No claim is made to the word "Craft" apart from the mark.

For Toys—Namely, Model Aeroplanes, Motorboats, and Automobiles.

Claims use since 1931.

Ser. No. 373,067. PAUL F. BOEHR, doing business as Nip N'Tuck Game Co., St. Paul, Minn. Filed Dec. 26, 1935.

NIP N' TUCK

For Table Games Simulating Hockey.

Claims use since Oct. 25, 1935.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 369,345. EMSCO DERRICK & EQUIPMENT COMPANY, Los Angeles, Calif. Filed Sept. 16, 1935.

MACK
WOOLDRIDGE

For Bulldozer, Road Rippers, and Scrapers.

Claims use since Oct. 30, 1931.

Ser. No. 370,802. THE GUARDITE CORPORATION, Chicago, Ill. Filed Oct. 25, 1935.

GUARDITE

For Processing Units for Fumigating Organic Products, and Parts of Such Units—Namely, Tanks, Containers, and Pumps.

Claims use since Jan. 1, 1932.

Ser. No. 371,687. THE FOSTORIA PRESSED STEEL CORPORATION, Fostoria, Ohio. Filed Nov. 18, 1935.

fostoria

The word "Fostoria" is disclaimed apart from the mark.

For Guards, Brackets, Assembly Means Therefor, and Parts Thereof, More Particularly as Accessories for Machinery.

Claims use since Oct. 15, 1934.

Ser. No. 371,928. THE NEW HAVEN VIBRATOR COMPANY, INC., New Haven, Conn. Filed Nov. 23, 1935.

1915
BRANFORD
VIBRATORS

The word "Vibrators" is disclaimed apart from the mark.

For Pneumatic Tools—Namely, Vibrators for Foundry and Similar Use.

Claims use since December, 1915.

Ser. No. 372,394. CONSOLIDATED RAZOR BLADE CO. INC., Jersey City, N. J. Filed Dec. 9, 1935.

LEGION

For Razor Blades.

Claims use since May 11, 1933.

Ser. No. 372,414. HARDWARE DISTRIBUTING CO., Seattle, Wash. Filed Dec. 9, 1935.

WESTERN LOGGER

For Crosscut, Circular, and Drag Saws, for Axe, Maul, Sledge, and Crosscut Saw Handles, for Steel Wedges for Wood Cutting, for Steel Mauls for Wood Cutting, for Axes, for Saw Sets, for Saw Set Hammers, for Saw Filing Files, and for Peavies.

Claims use since September, 1931, on saws, handles, wedges, mauls, and axes; since October, 1933, on saw set hammers; and since Dec. 2, 1935, on saw sets, saw filing files, and peavies.

CLASS 25

Locks and Safes

Ser. No. 372,738. THE PECK, STOW & WILCOX COMPANY, Southington, Conn. Filed Dec. 17, 1935.

PEXTO

For Locks, Latches, Catches, Bolts for Doors, Windows, Blinds, Screens, and Cupboards, and Chain Door Fasteners.

Claims use since June 5, 1914.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 356,863. BAILEY METER COMPANY, Cleveland, Ohio. Filed Oct. 8, 1934.

STEAM FLOW-AIR FLOW

For Meters and Control Devices Adapted to Measure and/or Control Variable Conditions, Such as the Amount of Heat Produced, the Volume of Combustion Gases Produced, and the Like in the Operation of Power Producing or Utilizing Apparatus Such as Power Boilers, or Heating Furnaces, to Automatically Control or to Assist in the Manual Control of Such Variable Conditions to Secure Maximum Combustion Efficiency, and Charts and Accessories for Use Therewith.

Claims use since Apr. 12, 1934.

CLASS 27

Horological Instruments

Ser. No. 372,255. PILGRIM WATCH CO., New York, N. Y. Filed Dec. 4, 1935.

Pilgrim

For Watches.

Claims use since January, 1928.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 362,353. INTERNATIONAL FIBRO MOP COMPANY, Houston, Tex. Filed May 22, 1935.

FIBRO



For Fibrous Wash Cloths or Wash Pads.

Claims use since Mar. 28, 1935.

CLASS 31

Filters and Refrigerators

Ser. No. 372,574. TENNESSEE FURNITURE CORPORATION, Chattanooga, Tenn. Filed Dec. 12, 1935.

SAF-T-DRAFT

The word "Draft" is claimed only in the association shown.

For Refrigerators for the Preservation of Foodstuffs.

Claims use since Nov. 1, 1935.

CLASS 32

Furniture and Upholstery

Ser. No. 371,249. LEE WRAY TURNER, Los Angeles, Calif. Filed Nov. 6, 1935.



The word "Chests" and the representation of a chest is disclaimed apart from the mark.

For College Treasure Chests.

Claims use since Oct. 9, 1935.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 371,968. THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio. Filed Nov. 22, 1935.

HOTSTREAM

For Gas, Oil and Electric Water Heaters.

Claims use since Oct. 15, 1935.

CLASS 35

Belting, Hose, Machinery Packing, and Nonmetallic Tires

Ser. No. 372,260. THE SPRAGUE, MAY, STERN COMPANY, INCORPORATED, Chicago, Ill. Filed Dec. 7, 1935.

ARGYLE

For Pneumatic Vehicle Tires and Inner Tubes Therefor.

Claims use since January, 1929.

Ser. No. 372,476. THE FISK RUBBER CORPORATION, Chicopee Falls, Mass. Filed Dec. 10, 1935.

222

For Vehicle Tires Made Wholly or Partly of Rubber.

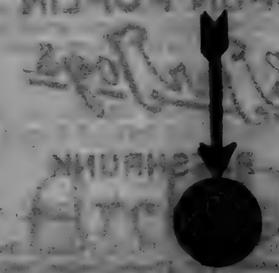
Claims use since November, 1927.

CLASS 37

Paper and Stationery

Ser. No. 371,872. S. H. KRESS AND COMPANY, New York, N. Y. Filed Nov. 22, 1935.

DART



For Paper Towels, Toilet Paper, Shelf Paper, Writing Tablets, Wrapping Paper, Papeteries, Envelopes, Composition Books, Note Books, Writing Paper, Correspondence Cards, Correspondence Envelopes, Looseleaf Binders, Filing Cards, Bridge Scores, Paper Towels, Paper Napkins, Facial Tissues, Paper Handkerchiefs, Wax Paper, and Crepe Paper.

Claims use since November, 1935.

Ser. No. 371,934. RIEGEL PAPER CORPORATION, Riegelsville, N. J., and New York, N. Y. Filed Nov. 22, 1935.

FILOPLUME

For Decorated Paper Used as Printing Paper, Wrapping Paper, and for Making Announcement and Greeting Cards.

Claims use since Nov. 12, 1935.

Ser. No. 371,965. DUVELOPE CORPORATION, New York, N. Y. Filed Nov. 25, 1935.

DUVELOPE

For Envelopes.

Claims use since Feb. 21, 1935.

Ser. No. 372,067. THE STERLING COMPANY INC., Brooklyn, N. Y. Filed Nov. 27, 1935.

Astre

For Facial Tissue.

Claims use since July 1, 1934.

CLASS 38

Prints and Publications

Ser. No. 362,221. BLACKETT-SAMPLE-HUMMERT, INC., Chicago, Ill. Filed June 4, 1934.

The Secret 3

For Publication Issued Periodically.

Claims use since Sept. 12, 1932.

Ser. No. 363,476. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Mar. 13, 1935.

TESTED TASTIES

For Newspaper Article Published in a Daily Newspaper.

Claims use since June 11, 1934.

Ser. No. 372,206. BROOKLYN DAILY EAGLE, Brooklyn, N. Y. Filed Dec. 5, 1935.

STRANGER THAN FICTION

For Feature in the Newspaper "Brooklyn Daily Eagle."

Claims use since Apr. 8, 1935.

CLASS 39

Clothing

Ser. No. 365,561. HEARN DEPT. STORES, INC., New York, N. Y. Filed May 29, 1935.

THE Bandbox

For Women's and Misses' Dresses, Coats, Hats, Leather and Fabric Gloves, Bathing Suits, Outer Skirts, Blouses, Collar and Cuff Sets, Scarves, Hosiery, and Leather and Fabric Shoes.
Claims use since Feb. 23, 1934.

Ser. No. 366,074. STORK-TARLOW CO., INC., Brockton, Mass. Filed June 11, 1935.

Hand Lasted BY Flaviano Di Falco

The name "Flaviano Di Falco" is a facsimile signature of the person of that name. The words "Hand-Lasted by" are disclaimed except in the association shown.
For Leather Shoes.
Claims use since Jan. 15, 1935.

Ser. No. 368,100. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed Aug. 8, 1935.

DUO WULYWEAR
100% interknitted for longest wear

All matter on the drawing except the word "Duo" is disclaimed apart from the word "Duo".
For Ladies' Rayon Underwear, Pajamas, Nightgowns, and Dresses.
Claims use since July 10, 1935.

Ser. No. 369,699. PEMATCONS HOSIERY MILLS, INC., Washington, N. J. Filed Sept. 7, 1935.

Kitten-tred

For Hosiery.
Claims use since Aug. 10, 1935.

Ser. No. 370,083. CLEAR WEAVE HOSIERY STORES, INC., Boston, Mass. Filed Oct. 7, 1935.

Ann Louise

For Women's and Girls' Underwear, Hosiery, Foundation Garments—Namely, Corsets, Girdles, Brassières, Corselets, Chemises, Nightshirts, and Drawers, Dresses, Gowns, Suits, and Coats.
Claims use since Sept. 1, 1933.

Ser. No. 370,277. SENECA KNITTING MILLS, INC., Seneca Falls, N. Y. Filed Oct. 11, 1935.



Trade-mark consists of a narrow red stripe extending around the section of the body of the sock adjacent the toe piece. The sock forms no part of applicant's mark.
For Men's and Boys' Socks or Half Hose.
Claims use since Oct. 2, 1935.

Ser. No. 370,290. BELLS KNITTING CORPORATION, Sayre, Pa. Filed Oct. 12, 1935.

Bonnie-Lee

The word "Lee" is disclaimed apart from the mark.
For Women's, Children's, and Misses' Underwear.
Claims use since August, 1935.

Ser. No. 370,654. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed Oct. 22, 1935.

STRYDEASE

For Ladies' Rayon Underwear, Pajamas, Night Gowns, and Dresses.
Claims use since Aug. 1, 1935.

Ser. No. 370,662. THE STROUSE-BAER COMPANY, Baltimore, Md. Filed Oct. 22, 1935.

TRUESPUN POPLIN
Jack Tar Togs
PRESHRUNK

No claim is made to the words "Poplin", "Togs", and "Preshrunk" apart from the mark.
For Boys' Suits, Shirts, Blouses, Pants, Pajamas, Bath Robes, and Girls' Dresses, Sport Dresses, Shirts, Shorts, Blouses, Sweaters, Slacks, and Playsuits, and Rebek.
Claims use since October, 1933.

Ser. No. 370,337. ROSSELLO HERMANOS, Ponce, P. R., and New York, N. Y. Filed Oct. 28, 1935.

ROSSELLO

For Linen Suits, Tropical Worsted Suits, Topcoats, Overcoats, and Men's Seersucker, Poplin, Duck, Mohair, Summer Suits, and Panama Suits.
Claims use since Nov. 1, 1931.

Ser. No. 371,312. INTERNATIONAL SHOE CO., St. Louis, Mo. Filed Nov. 7, 1935.

EV-R-FLEX

For Boots and Shoes of Leather, Fabric, and/or Combinations Thereof.
Claims use since Sept. 23, 1935.

Ser. No. 371,464. CONSOL PRODUCTS, INC., Buffalo, N. Y. Filed Nov. 12, 1935.

CLANSMAN

For Garters, Suspenders, and Belts in the Nature of Garment Supports.
Claims use since Oct. 11, 1934.

Ser. No. 371,576. GOODALL WORSTED CO., Sanford, Maine. Filed Nov. 14, 1935.

Screen-Weave

The expression "Screen-Weave" is disclaimed apart from the mark.
For Men's and Boys' Wearing Apparel, Consisting of Coats, Pants, Knickerbockers, Vests, Topcoats, Overcoats, Neckties, Hats and Caps, Suspenders, Belts, Shoes of Fabric, Men's Work Shirts and Boys' Outer Shirts, and Ladies' Wearing Apparel, Consisting of Suits, 1 4 Coats and Skirts, Topcoats, Riding Habits, Dresses, and Hats.
Claims use since Sept. 1, 1935.

Ser. No. 371,593. A. S. BECK SHOE CORPORATION, New York, N. Y. Filed Nov. 15, 1935.

Arch Duke

For Men's Boots, Shoes, and Slippers, Made Wholly or in Part of Leather and Fabric.
Claims use since July 12, 1935.

Ser. No. 371,760. ELLIS COAT CO. INC., New York, N. Y. Filed Nov. 20, 1935.

Ello-Shrunk

The word "Shrunk" is disclaimed apart from the mark.
For Women's, Misses', and Children's Coats, Suits, and Dresses.
Claims use since Nov. 4, 1935.

Ser. No. 371,842. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Nov. 22, 1935.

Merry-Go-round

For Women's and Children's Hats.
Claims use since Nov. 1, 1935.

Ser. No. 371,871. JOHNSTON & MURPHY, Newark, N. J. Filed Nov. 22, 1935.

FORWARD-STEP

For Leather Shoes.
Claims use since Sept. 13, 1935.

Ser. No. 371,890. C. B. SHAHS CORPORATION, Chicago, Ill. Filed Nov. 22, 1935.

Langora

For Men's Overcoats and Top Coats.
Claims use since Dec. 1, 1927.

Ser. No. 371,997. THE PATRICIA PETTICOAT CO., INC., New York, N. Y. Filed Nov. 27, 1935.

DIMINUET

For Ladies' Half-Slip Underwear Slips.
Claims use since June 10, 1935.

Ser. No. 372,035. J. WIPPELL & COMPANY, LIMITED, London, England. Filed Nov. 26, 1935.

Stormet

For Raincoats, Waterproof Coats, and Overcoats.
Claims use since June 11, 1931.

Ser. No. 372,060. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y. Filed Nov. 27, 1935.

"CURTSY"

For Brassières, Bandeaux, Corsets, Corselets, and Girdles, Panties, Pantie-Girdles.
Claims use since Nov. 22, 1935.

Ser. No. 372,109. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Nov. 29, 1935.



COACH ROYALE

For Hats for Men.
Claims use since Nov. 10, 1935.

Ser. No. 372,168. DONNYBROOK COAT CO., INC., New York, N. Y. Filed Dec. 2, 1935.

Craftshire

DONNYBROOK MODES

The words "Donnybrook Modes" are disclaimed apart from the mark.
For Ladies' Coats.
Claims use since June, 1934.

Ser. No. 372,174. LERNER STORES CORPORATION, New York, N. Y. Filed Dec. 2, 1935.

Lerner Stockings

The word "Stockings" is disclaimed apart from the mark.
For Ladies' Hosiery.
Claims use since Nov. 1, 1934.

Ser. No. 372,218. DRAPER HAT CORPORATION, New York, N. Y. Filed Dec. 6, 1935.

ALL ABOARD

For Ladies' Hats.
Claims use since Nov. 1, 1935.

Ser. No. 372,341. STAR HOSIERY MILLS, INC., Philadelphia, Pa. Filed Dec. 6, 1935.

Tira

For Hosiery.
Claims use since Jan. 17, 1934.

Ser. No. 372,350. BURGARLOW GLOVE COMPANY INC., New York, N. Y. Filed Dec. 7, 1935.

Social Register Glove

The word "Glove" is disclaimed apart from the mark.
For Leather Gloves.
Claims use since Oct. 1, 1935.

Ser. No. 372,373. LOUIS MARCUS CORPORATION, Baltimore, Md. Filed Dec. 7, 1935.

EVER-STAY

For Ladies' Coats.
Claims use since Nov. 15, 1935.

Ser. No. 372,524. WALTER NEIKIN, doing business as Frances-Walter Neikin Co., New York, N. Y. Filed Dec. 11, 1935.

TOWN AND TURF

For Hats for Ladies, Misses, and Girls.
Claims use since Nov. 27, 1935.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 369,261. MARIE M. LOUDEN, doing business as Madelon Louden Company, Los Angeles, Calif. Filed Sept. 16, 1935.

NUE-DÉ

For Bust Pads.
Claims use since Aug. 1, 1934.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 368,580. SECURITY MILLS, INC., New York, N. Y. Filed Aug. 16, 1935.

Brire Lamm

For Woolen, Mohair, and Cotton Knitted and Woven Fabrics.
Claims use since June 20, 1935.

Ser. No. 368,581. SECURITY MILLS, INC., New York, N. Y. Filed Aug. 16, 1935.

SuperLamm

For Woolen, Mohair, and Cotton Knitted and Woven Fabrics.
Claims use since June 20, 1935.

Ser. No. 371,780. COHN EXPORT AND COMMISSION COMPANY, New York, N. Y. Filed Nov. 19, 1935.

Conespun

For Textile Fabrics in the Piece Made of Corduroy.
Claims use since Oct. 4, 1935.

Ser. No. 372,184. ST. GEORGE TEXTILE CORP., New York, N. Y. Filed Dec. 2, 1935.

SALYNA

For Rayon and Cotton Piece Goods.
Claims use since May, 1934.

Ser. No. 372,305. ARTHUR BEER & CO., INC., New York, N. Y. Filed Dec. 6, 1935.

ABC

REPEETA FABRIC

The word "Fabric" is disclaimed apart from the mark.
For Piece Goods of Rayon and Spun Rayon Mixture.
Claims use since Dec. 8, 1935.

Ser. No. 372,306. ARTHUR BEER & CO., INC., New York, N. Y. Filed Dec. 6, 1935.

ABC

TEWAUNEE FABRIC

The word "Fabric" is disclaimed apart from the mark.
For Rayon Piece Goods.
Claims use since Dec. 21, 1933.

Ser. No. 372,307. ARTHUR BEER & CO., INC., New York, N. Y. Filed Dec. 6, 1935.

ABC

TOPALL PRINTS

The word "Prints" is disclaimed apart from the mark.
For Rayon Piece Goods.
Claims use since July 10, 1935.

Ser. No. 372,440. STEIN, DOBLIN & CO., INC., New York, N. Y. Filed Dec. 9, 1935.

SOPHISTICATED DEB

For Lace Piece Goods.
Claims use since January, 1935.

Ser. No. 372,504. ARTHUR BEER & CO., INC. New York, N. Y. Filed Dec. 11, 1935.

ABC

LINDA SATIN

The word "Satin" is disclaimed apart from the mark.
For Rayon Piece Goods.
Claims use since Oct. 28, 1933.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 371,957. BLAIR CORSET COMPANY, INC., Chicago, Ill. Filed Nov. 25, 1935.

Support-U

The word "Support" is disclaimed apart from the mark.
For Men's Abdominal Belts.
Claims use since Nov. 1, 1935.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 371,293. AMERICAN FRUIT PRODUCT CO., INC., New York, N. Y. Filed Nov. 7, 1935.



No claim is made to the words "Cider" and "Old Fashion". The drawing is lined for red and gold.
For Cider.
Claims use since September, 1935.

Ser. No. 372,284. NATIONAL FRUIT FLAVOR CO., INC., New Orleans, La. Filed Dec. 5, 1935.

Lemix

For Non-Alcoholic Maltless Beverage for Soft Drink Purposes, and Syrup for Making the Same.
Claims use since Oct. 12, 1935.

Ser. No. 372,604. THE LIQUID CARBONIC CORPORATION, Chicago, Ill. Filed Dec. 18, 1935.



The word "Liquid" is disclaimed apart from the mark. The drawing is lined for red.
For Non-Alcoholic Maltless Flavors for Making Soft Drinks.
Claims use since February, 1920.

Ser. No. 372,985. NEHI, INC., Columbus, Ga. Filed Dec. 23, 1935.

PAR-T-PAK

For Non-Alcoholic Maltless Beverages Sold as Soft Drinks, and Syrups and Extracts for Making the Same.
Claims use since Dec. 7, 1931.

Ser. No. 373,029. GLASER BEVERAGES, INC., Seattle, Wash. Filed Dec. 24, 1935.

A-MIX-A-TEER

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since May 1, 1935.

CLASS 46

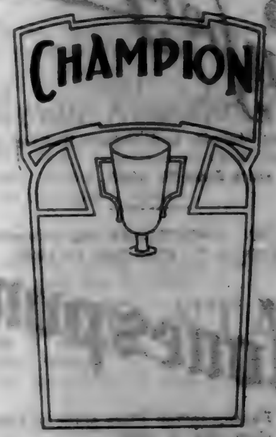
Foods and Ingredients of Foods

Ser. No. 352,077. GEORGE FERGUSON GLEN, Southend-on-Sea, England. Filed May 31, 1934.

ALVAK

For Preparation in Powder Form for Making a Food Beverage.
Claims use since 1931.

Ser. No. 359,949. FRED FEAR & CO., Brooklyn, N. Y. Filed Jan. 5, 1935.



For Fruit Syrups for Food Purposes.
Claims use since June 11, 1931.

Ser. No. 368,978. THE LIQUID CARBONIC CORPORATION, Chicago, Ill. Filed Apr. 19, 1935.



The drawing is lined for red. The word "Liquid" is disclaimed apart from the mark.
For Various Syrups for Food Purposes.
Claims use since May, 1932.

Ser. No. 364,901. KAY YAMAMOTO, doing business as Star Canning Co., Tacoma, Wash. Filed May 12, 1935.



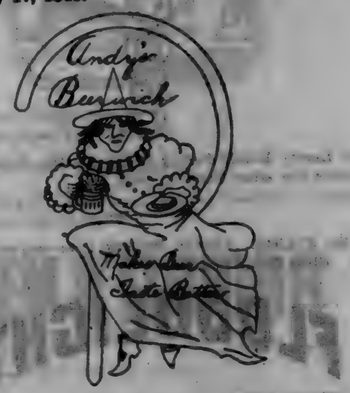
For Canned Fish.
Claims use since Nov. 15, 1934.

Ser. No. 365,657. THE RAHR PACKING COMPANY, Waterloo, Iowa. Filed May 31, 1935.

EL PUERQUITO

For Lard.
Claims use since May 1, 1932.

Ser. No. 367,427. ALBERT J. ANDREWS, Glendale, Calif. Filed July 17, 1935.



No claim is made to the words "Makes Beer Taste Better" apart from the mark.
For Cheese Spreads.
Claims use since May 20, 1934.

Ser. No. 367,787. A. W. FAY, Hamilton, Pa. Filed July 29, 1935.

CONYNGHAM



The word "Conyngham" is disclaimed apart from the mark.
For Canned Vegetables.
Claims use since September, 1933.

Ser. No. 369,151. BISCUIT-RICHARDS PACKING COMPANY, Sacramento, Calif. Filed Sept. 10, 1935.

WESTWARD

For Canned Fruits, Canned Vegetables, Tomato Catsup.
Claims use since September, 1933.

Ser. No. 369,508. SPERRY FLOUR COMPANY, San Francisco, Calif. Filed Sept. 19, 1935.

SURESHEEP

For Animal Food, Particularly Sheep Feed.
Claims use since Aug. 8, 1935.

Ser. No. 369,365. JOS. DESUNNO FRUIT CO., INC., Louisville, Ky. Filed Sept. 21, 1935.



The drawing is lined for orange and blue. The word "Kentucky" is disclaimed apart from the mark.
For Fresh Berries—viz., Strawberries; Fresh Grapes; Fresh Deciduous Fruits, and Fresh Vegetables.
Claims use since May 21, 1934.

Ser. No. 370,111. LITTLE CROW MILLING COMPANY, INC., Warsaw, Ind. Filed Oct. 7, 1935.



For Pancake Flour, Buckwheat Compound, Corn Meal Compound, Cocoa Wheat Cereals (a Cocoa Coated Wheat Cereal), and Corn Meal and Wheat Flour Compound.
Claims use since May, 1903.

Ser. No. 370,259. LIBERTY MILLS, San Antonio, Tex. Filed Oct. 11, 1935.

LAS FLORES

For Wheat Flour.
Claims use since Mar. 1, 1935.

Ser. No. 370,402. CORBIN G. WRIGHT, Monte Vista, Colo. Filed Oct. 15, 1935.

TRI ME

No claim is made to the representation of the potato apart from the mark. The drawing is lined for red.
For Potatoes.
Claims use since September, 1932.

Ser. No. 370,504. ARTHUR L. FRESHLAND, Dunkirk, N. Y. Filed Oct. 18, 1935.



The words "Trade Mark" are disclaimed except as shown.
For Honey.
Claims use since Feb. 28, 1935.

Ser. No. 370,531. EARL V. WISE, doing business as Wise Delicatessen Company, Berwick, Pa. Filed Oct. 18, 1935.

DIAMOND PACK

No claim is made to the word "Pack" apart from the mark.
For Potato Chips.
Claims use since Sept. 10, 1934.

Ser. No. 371,229. TREE-GOLD COOPERATIVE GROWERS OF FLORIDA, Orlando, Fla. Filed Nov. 5, 1935.

CARAVEL

For Fresh Citrus Fruits.
Claims use since Oct. 15, 1935.

Ser. No. 371,232. SPERRY FLOUR COMPANY, San Francisco, Calif. Filed Nov. 7, 1935.

SUREBROILER

For Milled Grain Products, Particularly Poultry Feed.
Claims use since Mar. 6, 1935.

Ser. No. 371,595. KELLOGG COMPANY, Battle Creek, Mich. Filed Nov. 15, 1935.

Korn Krackel

No claim is made to the word "Korn" apart from the mark.
For Corn Confection Consisting of Prepared Corn Having a Candy-Like Coating.
Claims use since Dec. 1, 1911.

Ser. No. 371,803. PETER J. SWOPSOME, Tulsa, Okla. Filed Nov. 22, 1935.

HOT-O-COCO

For Empty Edible Pastry Cases for Hot Tamales.
Claims use since Sept. 1, 1935.

Ser. No. 371,942. UNITED BUYERS CORPORATION, Chicago, Ill. Filed Nov. 23, 1935.

FLOODLIGHT

For Wheat Flour.
Claims use since Oct. 15, 1935.

Ser. No. 372,163. CHICAGO FOOD PRODUCTS CO., Chicago, Ill. Filed Dec. 2, 1935.

SILVER SKILLET

For Canned Corned Beef Hash.
Claims use since Nov. 9, 1935.

Ser. No. 372,185. RIVERBANK CANNING COMPANY, Riverbank, Calif. Filed Dec. 2, 1935.

FIAMMA

For Canned Fruits, Canned Vegetables, Canned Tomato Pasta.
Claims use since Sept. 12, 1935.

Ser. No. 372,191. ARABIAN CHEMICAL COMPANY, Boston, Mass. Filed Dec. 3, 1935.

CASLA

For Cleaner.
Claims use since Nov. 18, 1935.

Ser. No. 372,368. GENEVA MILLING COMPANY, Geneva, N. Y. Filed Dec. 7, 1935.

Geneva Pride



For Patent Wheat Flour.
Claims use since July 25, 1935.

Ser. No. 372,421. LAKELAND GROVES COMPANY, Lakeland, Fla. Filed Dec. 9, 1935.

GEM O'FLORIDA

For Citrus Fruit.
Claims use since Oct. 22, 1935.

Ser. No. 372,486. REDLANDS FOOTHILL GROVES, Redlands, Calif. Filed Dec. 10, 1935.

DESERT BLOOM

For Fresh Citrus Fruits.
Claims use since Nov. 14, 1935.

Ser. No. 372,490. SUNKIST LEMON ASSN., Sunkist, Calif. Filed Dec. 10, 1935.

BRIMFULL

For Fresh Citrus Fruit.
Claims use since Sept. 17, 1935.

Ser. No. 372,587. FRUZERT & PRESERVE CANNING COMPANY, INC., Richmond, Calif. Filed Dec. 12, 1935.

FRUZERT

For Preparation Made from Various Fruits, Berries, and Vegetables to be Used in Making Salads, and Various Forms of Desserts.
Claims use since Dec. 4, 1935.

Ser. No. 372,588. ANIMAL FOODS COMPANY, doing business as Teddy Boy Products Co., San Jose, Calif. Filed Dec. 12, 1935.

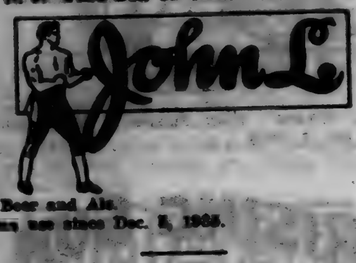
Teddy Boy

For Canned Foods for Dogs, Cats, Foxes, and Other Carnivorous Animals.
Claims use since Sept. 28, 1933.

CLASS 48

Malt Beverages and Liquors

Ser. No. 372,567. D & B PRODUCTS CORPORATION, Jersey City, N. J. Filed Dec. 13 1935.



For Beer and Ale.
Claims use since Dec. 5, 1935.

Ser. No. 372,914. HYDE PARK BREWERIES ASSOCIATION, INC., St. Louis, Mo. Filed Dec. 21, 1935. Under 10-year proviso.

HYDE PARK

For Beer.
Claims use since 1901.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 365,480. RECORDS & GOLDSBOROUGH, INC., Baltimore, Md. Filed May 27, 1935.

MY FAVORITE

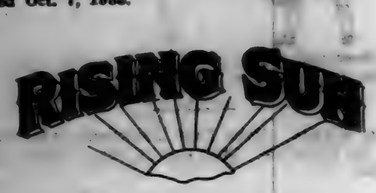
For Whiskey.
Claims use since 1902.

Ser. No. 368,072. ABE KANNER, doing business as Globe Bottling Co., Los Angeles, Calif. Filed Aug. 7, 1935.



The word "Club" apart from the mark and the outline of the label are disclaimed.
For Whiskey.
Claims use since December, 1933.

Ser. No. 370,095. JOHN FRIEDRICH, Philadelphia, Pa. Filed Oct. 7, 1935.



For Whiskey.
Claims use since 1915.

Ser. No. 372,142. OBTRUCON DISTILLED PRODUCTS CO., INC., New York, N. Y. Filed Nov. 30, 1935.





The word "Rum" is not claimed apart from the mark.
For Rum.
Claims use since Oct. 25, 1935.

Ser. No. 372,401. MAX DREYFUSS, New York, N. Y. Filed Dec. 9, 1935.





For Rum.
Claims use since January, 1934.

Ser. No. 372,402. MAX DREYFUSS, New York, N. Y. Filed Dec. 9, 1935.





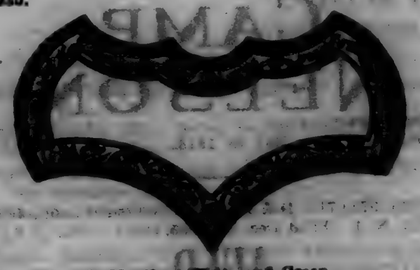
For Rum.
Claims use since January, 1934.

Ser. No. 372,639. SOCIETE ANONYME DES FILS DE P. BARDINET, Cauderan, near Bordeaux, France. Filed Dec. 13, 1935.



For Peach Liqueur, Cherry Liqueur, Blackberry Liqueur, Apricot Liqueur, Mandarine Liqueur, Cassis Liqueur.
Claims use since November, 1933.

Ser. No. 372,611. SOCIETE ANONYME DES FILS DE P. BARDINET, Cauderan, near Bordeaux, France. Filed Dec. 13, 1935.



For Crème de Menthe—White and Green.
Claims use since November, 1933.

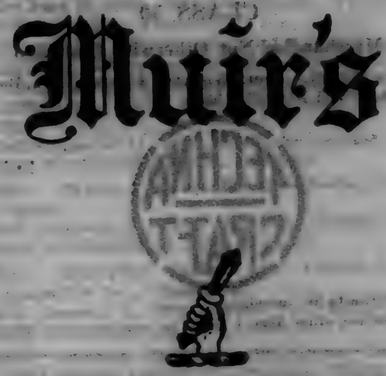
Ser. No. 372,645. HARRY E. THEXTON, Henderson, Ky. Filed Dec. 14, 1935.

PUTTS

XL

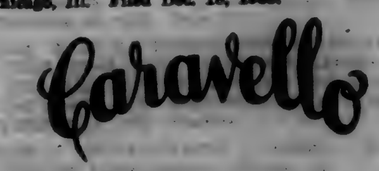
For Whiskey.
Claims use since Dec. 9, 1935.

Ser. No. 372,680. ALEXANDER MUIR & COMPANY, LTD., Wilmington, Del. Filed Dec. 16, 1935.



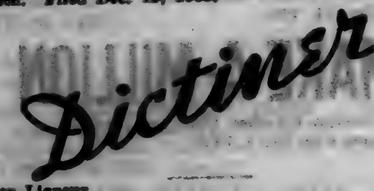
The name "Muir's" is disclaimed except in the combination shown.
For Whiskey.
Claims use since July 31, 1935.

Ser. No. 372,788. PARAMOUNT DISTILLING CORPORATION, Chicago, Ill. Filed Dec. 18, 1935.



For Whiskey and Rum.
Claims use since Nov. 6, 1935.

Ser. No. 372,817. ARROW DISTILLERIES, INC., Detroit, Mich. Filed Dec. 19, 1935.



For Liqueur.
Claims use since June, 1935.

Ser. No. 372,864. SUNRIPE LIQUOR PRODUCTS CO., San Francisco, Calif. Filed Dec. 19, 1935.



For Cordials, Cocktails, Brandy, Rum, Sloe Gin, and Liqueurs.
Claims use since Dec. 11, 1933.

Ser. No. 372,920. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Dec. 21, 1935.

COAST
TO
COAST

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Oct. 1, 1935.

Ser. No. 372,922. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Dec. 21, 1935.

CRYSTAL
ROCK

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Oct. 1, 1935.

Ser. No. 372,924. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Dec. 21, 1935.

John Doe

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Oct. 1, 1935.

Ser. No. 372,926. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Dec. 21, 1935.

MAKE-A-MILLION

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Oct. 1, 1935.

Ser. No. 372,927. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Dec. 21, 1935.

Silver River

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Oct. 1, 1935.

Ser. No. 372,928. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Dec. 21, 1935.

SPICE OF LIFE

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Oct. 1, 1935.

Ser. No. 372,979. MARYLAND DISTILLERY, INC., Relay, Md. Filed Dec. 23, 1935.

OLD SMITHFIELD

For Whiskey.
Claims use since Aug. 8, 1935.

Ser. No. 373,014. KELLY LIQUOR COMPANY, Minneapolis, Minn. Filed Dec. 28, 1935.

CAMP NELSON

For Whiskey.
Claims use since May 15, 1912.

Ser. No. 373,071. D & B PRODUCTS CORPORATION, Jersey City, N. J. Filed Dec. 26, 1935.

AULD BRASSIE BRAND

The word "Brand" is disclaimed apart from the mark.
For Whiskey, Gin, Brandy, Alcoholic Cordials, and Liqueurs.
Claims use since Dec. 4, 1935.

Ser. No. 373,072. D & B PRODUCTS CORPORATION, Jersey City, N. J. Filed Dec. 26, 1935.

AULD Niblick Brand

The word "Brand" is disclaimed apart from the mark.
For Whiskey, Gin, Brandy, Alcoholic Cordials, and Liqueurs.
Claims use since Dec. 4, 1935.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 372,947. COOK, WATKINS & PATCH, INC., Boston, Mass. Filed Nov. 27, 1935.

TECHNA CRAFT

For Granite Monuments.
Claims use since May 1, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

FEBRUARY 4, 1936

322,072. WHISKEY. PENN-MARYLAND CORPORATION, New York, N. Y.
Filed May 18, 1935. Serial No. 364,780. PUBLISHED JUNE 18, 1935. Class 49.

322,073. GIN. DISTILLERS DISTRIBUTING CORPORATION, San Francisco, Calif.
Filed May 15, 1935. Serial No. 364,960. PUBLISHED JULY 2, 1935. Class 49.

322,074. RADIO AND TELEVISION RECEIVING SETS AND WIND-DRIVEN ELECTRIC CURRENT-GENERATING APPARATUS, AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed May 13, 1935. Serial No. 364,009. PUBLISHED NOVEMBER 26, 1935. Class 21.

322,075. STAINS FOR SHINGLES AND OTHER EXTERIOR SURFACES. THE PERMA-STAIN COMPANY, Cleveland, Ohio.
Filed February 4, 1931. Serial No. 310,736. PUBLISHED APRIL 14, 1931. Class 16.

322,076. BEER. THEODORE F. MAIER, St. Louis, Mo.
Filed September 19, 1935. Serial No. 360,402. PUBLISHED NOVEMBER 26, 1935. Class 49.

322,077. CARPET SWEEPERS. RUSSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich.
Filed January 18, 1932. Serial No. 322,121. PUBLISHED NOVEMBER 26, 1935. Class 22.

322,078. ASPHALT OR TAR EMULSION MATERIALS IN BOTH LIQUID AND SEMI-LIQUID FORM USED FOR FLOOR RESURFACING, ROOF TREATMENT, AND WATERPROOFING. THE TEXACO MANUFACTURING COMPANY, Cleveland, Ohio.
Filed June 22, 1932. Serial No. 323,231. PUBLISHED OCTOBER 18, 1934. Class 12.

322,079. APPLE SAUCE, BROCCOLI CANNED, BAKED APPLES CANNED, CRAB MEAT CANNED, CHICKEN A LA KING, COFFEE ESSENCE FOR FOOD PURPOSES, ETC. SHERMAN BROTHERS, INC., New York, N. Y.
Filed September 11, 1933. Serial No. 341,496. PUBLISHED NOVEMBER 26, 1935. Class 46.

322,080. WINES. PIERRE WEINSBOUDER, Obernai, France.
Filed December 30, 1933. Serial No. 345,536. PUBLISHED NOVEMBER 26, 1935. Class 47.

322,081. ELECTRIC FLOOR AND TABLE LAMPS. LUMINATOR Inc., Chicago, Ill.
Filed January 4, 1934. Serial No. 345,717. PUBLISHED NOVEMBER 26, 1935. Class 21.

322,082. BANJOS, GUITARS, UKULELES, HARMONICAS, FIFES, DRUMS, CLARINETS; BRASS BAND INSTRUMENTS—NAMELY, CORNETS, TRUMPETS, SAXOPHONES, ETC. THE FRED. GRETSCH MFG. CO., Brooklyn, N. Y.
Filed May 21, 1935. Serial No. 365,196. PUBLISHED NOVEMBER 26, 1935. Class 50.

322,083. WINDMILLS. WINCHARGER CORPORATION, Sioux City, Iowa.
Filed May 25, 1935. Serial No. 365,412. PUBLISHED NOVEMBER 26, 1935. Class 23.

322,084. YARN MADE OF COTTON, ARTIFICIAL SILK, SILK, WOOL, HAIR, AND COMBINATIONS THEREOF. MALINA COMPANY, INC., New York, N. Y.
Filed June 5, 1935. Serial No. 365,331. PUBLISHED NOVEMBER 19, 1935. Class 42.

322,085. DECALCOMANIA PAPER. MID-STATES GUMMED PAPER COMPANY, Chicago, Ill.
Filed June 13, 1935. Serial No. 366,161. PUBLISHED NOVEMBER 26, 1935. Class 37.

322,086. DECALCOMANIA PAPER. MID-STATES GUMMED PAPER COMPANY, Chicago, Ill.
Filed June 13, 1935. Serial No. 366,162. PUBLISHED NOVEMBER 26, 1935. Class 37.

322,087. BRAKE MATERIAL, BRAKE LININGS, CLUTCH FACINGS. HOOD-RAIN CORPORATION, Chicago, Ill.
Filed June 20, 1935. Serial No. 366,415. PUBLISHED NOVEMBER 26, 1935. Class 35.

322,088. CANNED CURED HAMS. MEYER & LANGE, INC., New York, N. Y.
Filed June 21, 1935. Serial No. 366,453. PUBLISHED NOVEMBER 26, 1935. Class 46.

322,089. PERIODICALS. RUSSELL'S RAILWAY AND MOTOR BUS GUIDE CO., Cedar Rapids, Iowa.
Filed June 26, 1935. Serial No. 366,675. PUBLISHED NOVEMBER 26, 1935. Class 35.

322,090. RADIO TUBES, AND RADIO AND TELEVISION RECEIVING SETS, AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed July 1, 1935. Serial No. 366,895. PUBLISHED NOVEMBER 26, 1935. Class 21.

322,091. WINDMILLS. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed July 8, 1935. Serial No. 367,093. PUBLISHED NOVEMBER 26, 1935. Class 23.

322,092. VALVES, USED IN STEAM HEATING AND RADIATING SYSTEMS. W. A. RUSSELL & CO., New York, N. Y.
Filed July 10, 1935. Serial No. 367,188. PUBLISHED NOVEMBER 26, 1935. Class 13.

322,093. KNITTED FABRICS—NAMELY, RAYON PIECE GOODS. FRANK PHILLIPS, New York, N. Y.
Filed July 11, 1935. Serial No. 367,168. PUBLISHED NOVEMBER 19, 1935. Class 42.

322,094. WINDMILLS. WINCHARGER CORPORATION, Sioux City, Iowa.
Filed July 12, 1935. Serial No. 367,222. PUBLISHED NOVEMBER 26, 1935. Class 23.

322,095. PURE WHEAT FLOUR. THE WICHITA FLOUR MILLS COMPANY, Wichita, Kans.
Filed July 17, 1935. Serial No. 367,425. PUBLISHED NOVEMBER 26, 1935. Class 46.

322,096. FRESH MELONS. HARRY LYON GROWER & SHIPPER, doing business as Harry Lyon Inc., Yuma, Ariz.
Filed July 29, 1935. Serial No. 367,797. PUBLISHED NOVEMBER 26, 1935. Class 46.

322,097. PAPER AND FIBRE BOXES. LAWRENCE PAPER COMPANY, Lawrence, Kans.
Filed October 8, 1935. Serial No. 369,967. PUBLISHED NOVEMBER 26, 1935. Class 2.

322,098. CANNED VEGETABLES. THE LARSEN COMPANY, Green Bay, Wis.
Filed October 8, 1935. Serial No. 369,966. PUBLISHED NOVEMBER 26, 1935. Class 46.

322,099. CALENDAR CARDS. GUTHRIE-MONTANYE, INC., Baltimore, Md.
Filed October 8, 1935. Serial No. 369,962. PUBLISHED NOVEMBER 19, 1935. Class 38.

322,100. SECTION OR DEPARTMENT OF A PERIODICAL. THE AMERICAN PHYSICIAN, INC., New York, N. Y.
Filed October 8, 1935. Serial No. 369,949. PUBLISHED NOVEMBER 19, 1935. Class 35.

322,101. CANDY. FINE PRODUCTS CORPORATION, Augusta, Ga.
Filed October 2, 1935. Serial No. 369,916. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,102. ELECTRICALLY OPERATED HEATERS FOR HEATING CLAMPS USED IN CONNECTION WITH HAIR WAVING APPLIANCES, HEATING CLAMPS, AND HAIR WAVING APPLIANCES, AND PARTS THEREOF. JOSEPH V. SLAVICK, Washington, D. C.
Filed October 1, 1935. Serial No. 369,900. PUBLISHED NOVEMBER 26, 1935. Class 44.

332,103. PAINTS (READY MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, LACQUERS, JAPANS, VARNISHES, STAINS, PAINT FILLERS, KALSOMINE, WATER PAINTS, WHITE LEAD, DRY PAINT COLORS, AND PAINT PIGMENTS. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed September 30, 1935. Serial No. 369,361. PUBLISHED NOVEMBER 26, 1935. Class 16.

332,104. CARPET SWEEPERS. MARCELLA U. MORGAN, doing business as Hetero Manufacturing Co., Streator, Ill.
Filed September 27, 1935. Serial No. 369,775. PUBLISHED NOVEMBER 26, 1935. Class 23.

332,105. FUSED ALUMINOUS OXIDE GRAINS USED AS AN ABRASIVE. THE EXOLON COMPANY, Blasdell, N. Y.
Filed September 26, 1935. Serial No. 369,736. PUBLISHED NOVEMBER 26, 1935. Class 4.

332,106. CHEMICALLY TREATED CELLULOSE FIBER IN SHEET FORM, HAVING COATINGS OF OIL OR LACQUER COLORS, THE WHOLE HAVING THE APPEARANCE AND TO BE USED IN LIEU OF OR AS A SUBSTITUTE FOR OILCLOTH FOR COVERING TABLES, SHELVES, ETC. THE STANDARD TEXTILE PRODUCTS COMPANY, New York, N. Y.
Filed October 10, 1934. Serial No. 356,972. PUBLISHED NOVEMBER 26, 1935. Class 20.

332,107. GENERAL HEALTH TONIC IN TABLET FORM. JOSEPH BREYER, doing business as Ostrex Company, New York, N. Y.
Filed May 22, 1934. Serial No. 351,684. PUBLISHED AUGUST 7, 1934. Class 6.

332,108. STRIP FEEDING DEVICES FOR TYPEWRITERS, AUTOGRAPHIC REGISTERS, BILLING MACHINES, AND OTHER WRITING MACHINES. THE STANDARD REGISTER COMPANY, Dayton, Ohio.
Filed April 30, 1934. Serial No. 350,728. PUBLISHED NOVEMBER 26, 1935. Class 23.

332,109. WHISKY. C. J. MITCHELL & CO. LTD., San Francisco, Calif.
Filed April 4, 1934. Serial No. 349,540. PUBLISHED JUNE 26, 1934. Class 49.

332,110. EYEGLASSES, GOGGLES, SPECTACLES, AND KINDRED ARTICLES. DU PAUL CENTRAL OPTICAL COMPANY, INC., Southbridge, Mass.
Filed September 12, 1935. Serial No. 369,223. PUBLISHED NOVEMBER 26, 1935. Class 26.

332,111. WHISKEY. JOHN A. WATHEN DISTILLERY CO., INC., Lebanon and Louisville, Ky.
Filed September 12, 1935. Serial No. 369,256. PUBLISHED NOVEMBER 26, 1935. Class 49.

332,112. CORRUGATED FIBERBOARD. IOWA FIBRE-BOX COMPANY, Keokuk, Iowa.
Filed September 12, 1935. Serial No. 369,228. PUBLISHED NOVEMBER 26, 1935. Class 37.

332,113. FABRICS IN THE PIECE OF LINEN AND COTTON AND COMBINATIONS THEREOF. CROWN FABRICS CORPORATION, New York, N. Y.
Filed September 12, 1935. Serial No. 369,219. PUBLISHED NOVEMBER 19, 1935. Class 42.

332,114. BREAKFAST AND DINING ROOM FURNITURE—NAMELY, TABLES AND CHAIRS. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed September 12, 1935. Serial No. 369,216. PUBLISHED NOVEMBER 26, 1935. Class 32.

332,115. PASTE PAINT. THE WILBUR & WILLIAMS CO., Boston, Mass.
Filed September 11, 1935. Serial No. 369,211. PUBLISHED NOVEMBER 26, 1935. Class 16.

332,116. LEAD PENCILS. BLOOMSBURG PENCIL COMPANY, Philadelphia, Pa.
Filed September 11, 1935. Serial No. 369,179. PUBLISHED NOVEMBER 26, 1935. Class 37.

332,117. ELECTRIC HOISTS, HAND HOISTS, CRANES, TROLLEYS, AND WINCHES. ROBBINS & MYERS, INC., Springfield, Ohio.
Filed September 9, 1935. Serial No. 368,138. PUBLISHED NOVEMBER 26, 1935. Class 22.

332,118. CEMENTITIOUS ADHESIVE OR BINDER FOR PAPER, CLOTH, AND GLASS, PARTICULARLY SAFETY GLASS. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J.
Filed September 7, 1935. Serial No. 369,118. PUBLISHED NOVEMBER 26, 1935. Class 8.

332,119. COOKED OX TONGUE AND BEEF STEW. THE RATH PACKING COMPANY, Waterloo, Iowa.
Filed September 7, 1935. Serial No. 369,102. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,120. BATTERY TESTERS, ELECTRIC LIGHT BULB TESTERS, VOLT METERS, AND AMMETERS. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed September 7, 1935. Serial No. 369,075. PUBLISHED NOVEMBER 26, 1935. Class 26.

332,121. CATHETERS. AMERICAN ANODE INC., Akron, Ohio.
Filed September 7, 1935. Serial No. 369,074. PUBLISHED NOVEMBER 26, 1935. Class 44.

332,122. PHOTO ENGRAVED HALF-TONE PLATES. GREEN BAY ENGRAVING COMPANY, Green Bay, Wis.
Filed September 6, 1935. Serial No. 369,056. PUBLISHED NOVEMBER 26, 1935. Class 50.

332,123. WOOLEN, WORSTED, ANGORA, COTTON, SILK, RAYON YARN, AND MIXTURES THEREOF. STEINBRUGGE BROS. INC., doing business as Snow Ball Yarn Co., New York, N. Y.
Filed September 4, 1935. Serial No. 368,903. PUBLISHED NOVEMBER 19, 1935. Class 45.

332,124. RADIO DIALS. CASE ELECTRIC CORPORATION, Marion, Ind.
Filed September 3, 1935. Serial No. 368,819. PUBLISHED NOVEMBER 26, 1935. Class 21.

332,125. SLUSH PUMP LINERS. OIL WELL SUPPLY COMPANY, Dallas, Tex.
Filed August 31, 1935. Serial No. 368,697. PUBLISHED NOVEMBER 26, 1935. Class 23.

332,126. WHISKEY, GIN, BRANDY, RUM, COGNAC, AND ALCOHOLIC CORDIALS. MARVIN & SNEAD, INCORPORATED, New York, N. Y.
Filed October 28, 1935. Serial No. 370,885. PUBLISHED DECEMBER 3, 1935. Class 49.

332,127. WHISKEY. DISTILLERS BRANDS, INC., Cincinnati, Ohio.
Filed October 30, 1935. Serial No. 370,988. PUBLISHED DECEMBER 3, 1935. Class 49.

332,128. WHISKEY, GIN, BRANDY, RUM, COGNAC, AND ALCOHOLIC CORDIALS. MARVIN & SNEAD, INCORPORATED, New York, N. Y.
Filed October 28, 1935. Serial No. 370,884. PUBLISHED DECEMBER 3, 1935. Class 49.

332,129. WHISKEY. A. ROSENBERGER, Kansas City, Mo.
Filed October 26, 1935. Serial No. 370,841. PUBLISHED DECEMBER 3, 1935. Class 49.

332,130. WHISKEY, RUM, GIN, BRANDY, AND ALCOHOLIC CORDIALS. I. GINSBERG, INC., Charleston and Columbia, S. C.
Filed October 24, 1935. Serial No. 370,765. PUBLISHED NOVEMBER 26, 1935. Class 49.

332,131. SCOTCH WHISKY. FRASER MACDONALD DISTILLERY CO., LIMITED, Glasgow, Scotland.
Filed October 24, 1935. Serial No. 370,763. PUBLISHED DECEMBER 3, 1935. Class 49.

332,132. BEER, ALE, STOUT, AND PORTER. THE BRUTON BREWING COMPANY, Baltimore, Md.
Filed October 24, 1935. Serial No. 370,755. PUBLISHED NOVEMBER 26, 1935. Class 43.

332,133. WHISKEYS, BRANDIES, GINS, AND CORDIALS. JACOB S. POLEVSKY, doing business as Continental Pure Products Co., Jersey City, N. J.
Filed October 23, 1935. Serial No. 370,734. PUBLISHED DECEMBER 3, 1935. Class 49.

332,134. WHISKEYS, BRANDIES, GINS, AND CORDIALS. JACOB S. POLEVSKY, doing business as Continental Pure Products Co., Jersey City, N. J.
Filed October 23, 1935. Serial No. 370,733. PUBLISHED NOVEMBER 26, 1935. Class 49.

332,135. WHISKEYS, BRANDIES, GINS, AND CORDIALS. JACOB S. POLEVSKY, doing business as Continental Pure Products Co., Jersey City, N. J.
Filed October 22, 1935. Serial No. 370,731. PUBLISHED NOVEMBER 26, 1935. Class 49.

332,136. ELECTRIC TOASTERS, ELECTRIC HEATERS, ELECTRIC STOVES, ELECTRIC WAFFLE IRONS, ELECTRIC PERCOLATORS, AND ELECTRIC FLAT IRONS. KNAPP-MONARCH COMPANY, St. Louis, Mo.
Filed September 18, 1935. Serial No. 369,445. PUBLISHED NOVEMBER 26, 1935. Class 21.

332,137. WHISKEYS, BRANDIES, GINS, AND CORDIALS. JACOB S. POLEVSKY, doing business as Continental Pure Products Co., Jersey City, N. J.
Filed October 22, 1935. Serial No. 370,730. PUBLISHED NOVEMBER 26, 1935. Class 49.

332,138. SECTIONS OF PERIODICAL PUBLICATIONS. THE UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed September 16, 1935. Serial No. 369,382. PUBLISHED NOVEMBER 26, 1935. Class 38.

332,139. CAULKING, GLAZING, AND GREASE GUNS FOR APPLYING PLASTIC AND SEMI-LIQUID MATERIALS. ALBION MANUFACTURING CO., Philadelphia, Pa.
Filed September 17, 1935. Serial No. 369,392. PUBLISHED NOVEMBER 26, 1935. Class 23.

332,140. HASSOCKS, CUSHIONS, AND PILLOWS. CRAWFORD MANUFACTURING CO., INC., Richmond, Va.
Filed September 17, 1935. Serial No. 369,399. PUBLISHED NOVEMBER 26, 1935. Class 32.

332,141. GALVANIZED STEEL WASH BOILERS AND TUBS, WASH BOARDS, IRONING BOARDS. SIMMONS HARDWARE COMPANY, St. Louis, Mo.
Filed September 16, 1935. Serial No. 369,378. PUBLISHED NOVEMBER 26, 1935. Class 24.

332,142. MAGAZINE. THE MODEL CRAFTSMAN PUBLISHING CORPORATION, New York, N. Y.
Filed September 17, 1935. Serial No. 369,412. PUBLISHED NOVEMBER 26, 1935. Class 38.

332,143. ELECTRIC CONTROLS AND CONTROL SYSTEMS FOR ELECTRICALLY OPERATED COAL STOKING DEVICES AND THE LIKE, AND PARTS THEREOF. THE MASCON CORPORATION, Chicago, Ill.
Filed August 6, 1935. Serial No. 368,042. PUBLISHED NOVEMBER 26, 1935. Class 26.

332,144. CHEMICALLY IMPREGNATED CLOTHS FOR CLEANING AND POLISHING. PAUL A. WOMONOW, doing business as Wondrex Company, St. David's, Pa., assignor, by direct and mesne assignments, to Wondrex Company, Inc., West Collingswood, N. J., a corporation of New Jersey.
Filed August 6, 1935. Serial No. 368,068. PUBLISHED NOVEMBER 26, 1935. Class 4.

332,145. SOAP IN FORM OF BARS, SOAP CHIPS, GRANULATED SOAP, SOAP POWDER, SCOURING CLEANSER. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed August 9, 1935. Serial No. 368,125. PUBLISHED NOVEMBER 26, 1935. Class 4.

332,146. FRESH CITRUS FRUITS. TEMPLE-GOLD COOPERATIVE GROWERS OF FLORIDA, Orlando, Fla.
Filed August 13, 1935. Serial No. 368,276. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,147. SEALING COMPOUND FOR PIPE JOINTS. HUMBLE OIL & REFINING COMPANY, Houston, Tex.
Filed August 16, 1935. Serial No. 368,374. PUBLISHED NOVEMBER 26, 1935. Class 12.

332,148. WOOLEN AND COTTON PIECE GOODS. CONTINENTAL MILLS, INC., Philadelphia, Pa.
Filed August 14, 1935. Serial No. 368,300. PUBLISHED NOVEMBER 19, 1935. Class 42.

332,149. PUBLICATION ISSUED MONTHLY. ESQUIRE, INC., Chicago, Ill.
Filed August 19, 1935. Serial No. 368,444. PUBLISHED NOVEMBER 26, 1935. Class 38.

332,150. YARNS FOR ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed August 21, 1935. Serial No. 368,511. PUBLISHED NOVEMBER 19, 1935. Class 45.

332,151. TOILET AND LAUNDRY SOAPS, SOAP CHIPS, SOAP POWDER, GRANULATED SOAP, SOAP FLAKES, AND SCOURING CLEANSER. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed August 22, 1935. Serial No. 368,561. PUBLISHED NOVEMBER 26, 1935. Class 4.

332,152. LUG STRAPS. E. H. JACOBS MANUFACTURING COMPANY, INC., Danielson, Conn.
Filed August 22, 1935. Serial No. 368,571. PUBLISHED NOVEMBER 26, 1935. Class 23.

332,153. SURGICAL KNIVES AND DETACHABLE BLADES FOR SURGICAL KNIVES. BARD-PARKER COMPANY INC., Danbury, Conn.
Filed August 23, 1935. Serial No. 368,598. PUBLISHED NOVEMBER 26, 1935. Class 44.

332,154. WET MOP. JACOB WEINER, doing business as Maplewood Specialty Mills, Fall River, Mass.
Filed August 23, 1935. Serial No. 368,630. PUBLISHED NOVEMBER 26, 1935. Class 29.

332,155. DIRECTORIES. PAUL COTTON WILSON, Richmond, Va.
Filed August 26, 1935. Serial No. 368,723. PUBLISHED NOVEMBER 26, 1935. Class 38.

332,156. DIRECTORIES. PAUL COTTON WILSON, Richmond, Va.
Filed August 26, 1935. Serial No. 368,725. PUBLISHED NOVEMBER 26, 1935. Class 38.

332,157. OIL LANTERNS. EMBURY MANUFACTURING CO., Warsaw, N. Y.
Filed January 28, 1935. Serial No. 360,766. PUBLISHED NOVEMBER 26, 1935. Class 34.

332,158. ELECTRO-MECHANICAL INSTRUMENT FOR MEASURING HUMAN HEARING FACILITIES TO AID IN CHARTING EFFICIENCIES. P. W. ANDREWS, doing business as Auragraph Company, New York, N. Y.
Filed August 28, 1935. Serial No. 368,767. PUBLISHED NOVEMBER 26, 1935. Class 26.

332,159. SCOTCH WHISKY. FRASER MACDONALD DISTILLERY CO., LIMITED, Glasgow, Scotland.
Filed February 6, 1935. Serial No. 361,085. PUBLISHED APRIL 23, 1935. Class 49.

332,160. GIN. SONTAG CHAIN STORES CO. LTD., Los Angeles, Calif.
Filed February 9, 1935. Serial No. 361,236. PUBLISHED NOVEMBER 26, 1935. Class 49.

332,161. PIECE GOODS TREATED BY A SPECIAL PROCESS TO RENDER THE SAME WATER REPELLANT OR WATERPROOF AND MAKE THEM SUITABLE WHERE WATER REPELLANCY OR WATERPROOFNESS IS DESIRABLE—NAMELY, FOR SHOWER CURTAINS MADE OF COTTON, RAYON, LINEN, WOOL, OR SILK, OR MIXTURES THEREOF. THE DUROT MANUFACTURING COMPANY, INC., New York, N. Y.
Filed February 11, 1935. Serial No. 361,259. PUBLISHED NOVEMBER 26, 1935. Class 50.

332,162. TAILORED SLIP-COVERS FOR FURNITURE. MADE TO FORM. SURE-FIT PRODUCTS COMPANY, Philadelphia, Pa.
Filed March 4, 1935. Serial No. 362,128. PUBLISHED NOVEMBER 26, 1935. Class 32.

332,163. SHAVING CREAM. WALGREEN CO., Chicago, Ill.
Filed March 11, 1935. Serial No. 362,391. PUBLISHED NOVEMBER 26, 1935. Class 4.

332,164. NON-ALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS, SYRUPS, AND EXTRACTS FOR MANUFACTURING THE SAME. MASSABOIT BEVERAGE CO., INC., Springfield, Mass., assignor to Florida Fruit Canners, Inc., Frostproof, Fla.
Filed March 25, 1935. Serial No. 362,989. PUBLISHED APRIL 30, 1935. Class 45.

332,165. CIGARS. METROPOLITAN CIGAR CORPORATION, Chicago, Ill.
Filed March 18, 1935. Serial No. 362,690. PUBLISHED AUGUST 27, 1935. Class 17.

332,166. GIN AND LIQUEURS. NAAMLOOSE VENNOOTSCHAP AMSTERDAMSCHE LIKEURSTOKERIJ "'T LOOTSJE" DEN ERVEN LUCAS BOLS, Amsterdam, Netherlands.
Filed March 20, 1935. Serial No. 362,181. PUBLISHED NOVEMBER 26, 1935. Class 49.

332,167. KÜMMEL LIQUEUR. NAAMLOOSE VENNOOTSCHAP AMSTERDAMSCHE LIKEURSTOKERIJ "'T LOOTSJE" DEN ERVEN LUCAS BOLS, Amsterdam, Netherlands.
Filed March 20, 1935. Serial No. 362,182. PUBLISHED NOVEMBER 26, 1935. Class 49.

332,168. BOOKLETS PUBLISHED FROM TIME TO TIME. JOSEPH F. MONTAGUE, New York, N. Y.
Filed April 13, 1935. Serial No. 363,714. PUBLISHED NOVEMBER 26, 1935. Class 38.

332,169. BOOKLETS PUBLISHED FROM TIME TO TIME. JOSEPH F. MONTAGUE, New York, N. Y.
Filed April 13, 1935. Serial No. 363,715. PUBLISHED NOVEMBER 26, 1935. Class 38.

332,170. WINE. PICKER-LINZ IMPORTERS, INC., New York, N. Y.
Filed April 18, 1935. Serial No. 363,946. PUBLISHED NOVEMBER 26, 1935. Class 47.

332,171. HIGH LEAKAGE REACTANCE TRANSFORMERS FOR USE IN ELECTRIC SIGNS AND IN TESTING DEVICES. THE ACME ELECTRIC & MANUFACTURING COMPANY, Cleveland, Ohio.
Filed April 25, 1935. Serial No. 364,164. PUBLISHED NOVEMBER 26, 1935. Class 21.

332,172. WHISKEY. LYLE & KINAHAN, LIMITED, Belfast, Ireland.
Filed April 25, 1935. Serial No. 364,166. PUBLISHED NOVEMBER 26, 1935. Class 49.

332,173. OUTFIT FOR CONSTRUCTING A NUMBER OF OPTICAL INSTRUMENTS—TO WIT, TELESCOPES, MICROSCOPES, MAGNIFYING GLASSES, ETC. A. C. GILBERT COMPANY, New Haven, Conn.
Filed May 2, 1935. Serial No. 364,477. PUBLISHED NOVEMBER 26, 1935. Class 20.

332,174. LACE PIECE GOODS. ZEKARIA BROS., New York, N. Y.
Filed July 30, 1935. Serial No. 367,544. PUBLISHED NOVEMBER 26, 1935. Class 42.

332,175. TOBACCO PRODUCTS, MORE PARTICULARLY CIGARS. BATUK CIGARS INCORPORATED, Philadelphia, Pa.
Filed August 5, 1935. Serial No. 367,980. PUBLISHED NOVEMBER 12, 1935. Class 17.

332,176. WEIGHING MACHINES AND PARTS THEREOF. E. AND T. FAIRBANKS AND COMPANY, St. Johnsbury, Vt.
Filed October 7, 1935. Serial No. 370,086. PUBLISHED NOVEMBER 26, 1935 Class 26.

332,177. INTERFERENCE ELIMINATORS FOR RADIO RECEIVERS. CONSOLIDATED WIRE AND ASSOCIATED CORPORATIONS, Chicago, Ill.
Filed October 7, 1935. Serial No. 370,090. PUBLISHED NOVEMBER 26, 1935. Class 21.

332,178. INTERFERENCE ELIMINATORS FOR RADIO RECEIVERS. CONSOLIDATED WIRE AND ASSOCIATED CORPORATIONS, Chicago, Ill.
Filed October 7, 1935. Serial No. 370,091. PUBLISHED NOVEMBER 26, 1935. Class 21.

332,179. WOODWORKING MACHINES, AND IN PARTICULAR CIRCULAR SAWS, JOINTERS, BORING MACHINES, MORTISING MACHINES, SCROLL SAWS, BAND SAWS, DRILL PRESSES, ROUTERS, SHAPERS, ETC. DELTA MANUFACTURING COMPANY, Milwaukee, Wis.
Filed October 7, 1935. Serial No. 370,092. PUBLISHED NOVEMBER 26, 1935. Class 23.

332,180. CEMENT AND PLASTIC MATERIAL TO BE USED IN THE COMPOUNDING OF CEMENT. TEXAS GULF SULPHUR COMPANY, New York, N. Y.
Filed October 7, 1935. Serial No. 370,128. PUBLISHED NOVEMBER 26, 1935. Class 12.

332,181. YARN CARRIERS FOR USE IN KNITTING MACHINES. ARCADIA HOSIERY CO., Lansdale, Pa.
Filed October 9, 1935. Serial No. 370,165. PUBLISHED NOVEMBER 26, 1935. Class 23.

332,182. RAZOR BLADES. CLUB RAZOR & BLADE MFG. CORP., Newark, N. J.
Filed October 9, 1935. Serial No. 370,173. PUBLISHED NOVEMBER 26, 1935. Class 23.

332,183. SANITARY BELTS. JOSEPH GOODMAN, New York, N. Y.
Filed October 9, 1935. Serial No. 370,175. PUBLISHED NOVEMBER 26, 1935. Class 44.

332,184. RAZOR BLADES. BENJAMIN GORDON, doing business as Peacock Blade Co., New York, N. Y.
Filed October 9, 1935. Serial No. 370,179. PUBLISHED NOVEMBER 26, 1935. Class 23.

332,185. SILVER-PLATED FLATWARE FOR TABLE USE AND THE LIKE. INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed October 9, 1935. Serial No. 370,184. PUBLISHED NOVEMBER 26, 1935 Class 28.

332,186. MOTION PICTURES—NAMELY, ANIMATED CARTOON FILMS. EDWARD N. PARKER, Washington, D. C.
Filed October 10, 1935. Serial No. 370,226. PUBLISHED NOVEMBER 26, 1935 Class 26.

332,187. DISTILLED AND RECTIFIED ALCOHOLIC LIQUORS—NAMELY, GIN, WHISKEY, CORDIALS, AND LIQUEURS. NORTHWEST DISTILLERIES, INC., Seattle, Wash.
Filed October 11, 1935. Serial No. 370,267. PUBLISHED DECEMBER 3, 1935. Class 49.

332,188. DISTILLED AND RECTIFIED ALCOHOLIC LIQUORS—NAMELY, GIN, WHISKEY, CORDIALS, AND LIQUEURS. NORTHWEST DISTILLERIES, INC., Seattle, Wash.
Filed October 11, 1935. Serial No. 370,268. PUBLISHED DECEMBER 3, 1935. Class 49.

332,189. APPARATUS INCLUDING ONE OR MORE ELECTRONIC DISCHARGE BULBS FOR USE IN CONDITIONING WATER IN BOILERS AND THE LIKE, PREVENTING OR REMOVING RUST OR SCALE THEREIN, AND FOR USE GENERALLY IN THE INDUSTRIAL ARTS. THE SCALEBOOY COMPANY, Boston, Mass.
Filed October 11, 1935. Serial No. 370,274. PUBLISHED NOVEMBER 26, 1935 Class 21.

332,190. COFFEE. S. A. SCHONBRUNN & CO., INC., New York, N. Y.
Filed October 11, 1935. Serial No. 370,276. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,191. HOPS. THE WOLF HOP CO., San Francisco, Calif.
Filed October 14, 1935. Serial No. 370,327. PUBLISHED NOVEMBER 26, 1935. Class 1.

332,192. BICYCLES. THE CLEVELAND WELDING COMPANY, Cleveland, Ohio.
Filed October 14, 1935. Serial No. 370,374. PUBLISHED NOVEMBER 26, 1935. Class 19.

332,193. METAL ALLOY IN INGOT FORM. PACIFIC ALLOY CO., Seattle, Wash.
Filed October 16, 1935. Serial No. 370,422. PUBLISHED NOVEMBER 26, 1935. Class 14.

332,194. RUM. LA GRANDE DISTILLERIE B. CORBIERE FILS AINE & CIE., SOCIETE ANONYME, Paris, France.
Filed September 21, 1935. Serial No. 369,576. PUBLISHED DECEMBER 3, 1935. Class 49.

332,195. FOOD PREPARATION FOR MAKING PUDDINGS, PIE FILLERS, AND ICE CREAM. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill.
Filed September 21, 1935. Serial No. 369,584. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,196. ORE CARS, PUMPS, HOISTS, CHUTE GATES, JAW CRUSHERS, AND CRUSHING ROLLS. COEUR D'ALENE HARDWARE & FOUNDRY CO., Wallace, Idaho.
Filed September 12, 1935. Serial No. 369,691. PUBLISHED NOVEMBER 26, 1935 Class 28.

332,197. ALL MEASURING AND SCIENTIFIC APPLIANCES AND APPARATUS FOR GENERAL AND LABORATORY USE AND PARTS THEREOF, ETC. THE EMIL GREINER COMPANY, New York, N. Y.
Filed September 23, 1935. Serial No. 369,696. PUBLISHED NOVEMBER 26, 1935. Class 26.

332,198. ALL MEASURING AND SCIENTIFIC APPLIANCES AND APPARATUS FOR GENERAL AND LABORATORY USE, AND PARTS THEREOF, ETC. THE EMIL GREINER COMPANY, New York, N. Y.
Filed September 23, 1935. Serial No. 369,699. PUBLISHED NOVEMBER 26, 1935. Class 26.

332,199. CANNED DOG FOOD. KEENO PACKING COMPANY, Southgate, Calif.
Filed September 23, 1935. Serial No. 369,812. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,200. CANNED FRUITS AND VEGETABLES. WEST COAST GOULET BURCHAM CO., LTD., Los Angeles, Calif.
Filed September 23, 1935. Serial No. 369,839. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,201. WHISKEY, GIN, AND RUM. AMERICAN DISTRIBUTORS, INC., Baltimore, Md.
Filed September 25, 1935. Serial No. 369,681. PUBLISHED NOVEMBER 26, 1935. Class 49.

332,202. ARTICLES OR COLUMNS PUBLISHED SERIALLY IN NEWSPAPERS AND PERIODICALS. ARTHUR H. DAVIS, doing business as Sidney Snow, New York, N. Y.
Filed September 25, 1935. Serial No. 369,689. PUBLISHED NOVEMBER 19, 1935. Class 38.

332,203. PREPARED SAUCE FOR SOUPS, FISH, GRAVIES, AND MEATS. LEA & PERRINS, INC., New York, N. Y.
Filed September 25, 1935. Serial No. 369,702. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,204. FRESH CITRUS FRUIT. POMONA FRUIT GROWERS EXCHANGE, Pomona, Calif.
Filed September 25, 1935. Serial No. 369,712. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,205. CELLULOSIC MATERIALS IN THE FORM OF SHEETS, FILMS, OR FOILS SUITABLE FOR USE IN THE MANUFACTURE OF ORNAMENTAL AND DECORATIVE ARTICLES OR SURFACES. CELLULOID CORPORATION, Newark, N. J.
Filed September 26, 1935. Serial No. 369,732. PUBLISHED NOVEMBER 26, 1935. Class 1.

332,206. FRESH LEMONS. SUNKIST LEMON ASSOCIATION, Satiecy, Calif.
Filed October 15, 1934. Serial No. 357,180. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,207. TOY LARIATS. CONSTANTINE A. DANIELS, doing business as Hi-Ho Novelty Sales Company, Grand Rapids, Mich.
Filed October 27, 1934. Serial No. 357,501. PUBLISHED NOVEMBER 26, 1935. Class 22.

332,208. NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. CLAYTON J. HOWES, Chicago, Ill.
Filed October 29, 1934. Serial No. 357,632. PUBLISHED NOVEMBER 26, 1935. Class 45.

332,209. READY MIXED PAINT, HEAT RESISTING PAINT, CHEMICAL PAINT, VARNISHES, AND LACQUERS. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa.
Filed November 5, 1934. Serial No. 357,893. PUBLISHED NOVEMBER 26, 1935. Class 16.

332,210. NEWSPAPER. FRIENDS OF THE NEW GERMANY, New York, N. Y.
Filed December 17, 1934. Serial No. 359,392. PUBLISHED NOVEMBER 19, 1935. Class 38.

332,211. WHISKEY. MARYLAND DISTILLERS' PRODUCTS CORPORATION, Baltimore, Md.
Filed December 19, 1934. Serial No. 359,475. PUBLISHED FEBRUARY 26, 1935. Class 49.

332,212. ELECTRICAL APPARATUS, MORE PARTICULARLY IGNITION DEVICES FOR AUTOMOBILES—NAMELY, BREAKER ARMS, CONTACT ARMS, ROTORS, DISTRIBUTORS, CONDENSERS, ETC. STANDARD MOTOR PRODUCTS, INC., Long Island City, N. Y.
Filed December 27, 1934. Serial No. 359,707. PUBLISHED NOVEMBER 26, 1935. Class 21.

332,213. WINES. MON-AMI, INCORPORATED, Sandusky, Ohio.
Filed August 29, 1935. Serial No. 368,829. PUBLISHED DECEMBER 3, 1935. Class 47.

332,214. LIQUID OR PASTE PREPARATIONS FOR USE IN WATERPROOFING, PRESERVING, AND SOFTENING LEATHER OR LEATHER ARTICLES. GEORGE F. STRON, doing business as Ojibwa Leather Waterproofing Co., Duluth, Minn.
Filed September 19, 1935. Serial No. 369,503. PUBLISHED NOVEMBER 26, 1935. Class 4.

332,215. BANJOS, GUITARS, UKULELES, HARMONICAS, DRUMS, CORNETS, TRUMPETS, ALTO BARITONES, MELLOPHONES, CIRCULAR ALTOS, UPRIGHT BASS HORNS, TUBAS, SOUSAPHONES, CLARINETS, AND ACCESSORIES FOR BRASS BAND, AND WOOD-WIND INSTRUMENTS. THE FRED. GRETSCH MFG. CO., Brooklyn, N. Y.
Filed August 30, 1935. Serial No. 368,849. PUBLISHED NOVEMBER 26, 1935. Class 36.

332,216. ROLLS AND PACKAGES AND PADS OF LABELS AND ROLLS OF GUMMED TAPE AND HOLDERS THEREFOR. EVER READY LABEL CORPORATION, New York, N. Y.
Filed August 30, 1935. Serial No. 368,842. PUBLISHED NOVEMBER 26, 1935. Class 37.

332,217. CEREAL BREAKFAST FOODS. MIDWEST MILLING CO., Denver, Colo.
Filed August 26, 1935. Serial No. 368,791. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,218. AUTOMOBILE ACCESSORIES — NAMELY, TOGGLE BOOTS, RADIATOR CAPS AND ORNAMENTS, AND SPRING COVERS. ASSOCIATED MERCHANDISING CO., Los Angeles, Calif.
Filed August 28, 1935. Serial No. 368,788. PUBLISHED NOVEMBER 26, 1935. Class 19.

332,219. WHISKEYS, BRANDIES, GINS, AND CORDIALS. JACOB S. POLINSKY, doing business as Continental Pure Products Co., Jersey City, N. J.
Filed October 22, 1935. Serial No. 370,726. PUBLISHED NOVEMBER 26, 1935. Class 49.

332,220. WHISKEY. OLDETYME DISTILLERS, INC., New York, N. Y.
Filed October 23, 1935. Serial No. 370,723. PUBLISHED NOVEMBER 26, 1935. Class 49.

332,221. WHISKEY. OLDETYME DISTILLERS, INC., New York, N. Y.
Filed October 23, 1935. Serial No. 370,722. PUBLISHED NOVEMBER 26, 1935. Class 49.

332,222. CONTAINERS MADE WHOLLY OR PARTLY OF PAPER. SEALRIGHT CO., INC., Fulton, N. Y.
Filed October 22, 1935. Serial No. 370,676. PUBLISHED NOVEMBER 26, 1935. Class 2.

332,223. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, FLAVORS, AND CONCENTRATES USED IN MAKING THE SAME. NATIONAL NUGRAPE CO., Atlanta, Ga.
Filed October 22, 1935. Serial No. 370,667. PUBLISHED NOVEMBER 26, 1935. Class 45.

332,224. GAMES OF CHANCE PLAYED WITH CONCEALED NUMBERS. WERTS NOVELTY COMPANY, INCORPORATED, Muncie, Ind.
Filed October 21, 1935. Serial No. 370,642. PUBLISHED NOVEMBER 26, 1935. Class 22.

332,225. GAME OF CHANCE PLAYED WITH CONCEALED NUMBERS. WERTS NOVELTY COMPANY, INCORPORATED, Muncie, Ind.
Filed October 21, 1935. Serial No. 370,643. PUBLISHED NOVEMBER 26, 1935. Class 22.

332,226. WHISKEY, RUM, GIN, BRANDY, AND ALCOHOLIC CORDIALS. I. GINSBERG, INC., Charleston and Columbia, S. C.
Filed October 21, 1935. Serial No. 370,608. PUBLISHED NOVEMBER 26, 1935. Class 49.

332,227. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND FLAVORS USED IN MAKING THE SAME. BRONX MINERAL WATER CO., INC., New York, N. Y.
Filed October 21, 1935. Serial No. 370,597. PUBLISHED NOVEMBER 26, 1935. Class 45.

332,228. GAMES OF CHANCE PLAYED WITH CONCEALED NUMBERS. WERTS NOVELTY COMPANY, INCORPORATED, Muncie, Ind.
Filed October 19, 1935. Serial No. 370,500. PUBLISHED NOVEMBER 26, 1935. Class 22.

332,229. PILE FABRICS IN THE PIECE AND CUT LENGTHS. COLLINS & AIKMAN CORPORATION, Philadelphia, Pa., and New York, N. Y.
Filed October 17, 1935. Serial No. 370,459. PUBLISHED NOVEMBER 19, 1935. Class 42.

332,230. SOLE LEATHER. LEAS & MCVITTY, INC., Philadelphia, Pa.
Filed October 17, 1935. Serial No. 370,470. PUBLISHED NOVEMBER 26, 1935. Class 1.

332,231. SWEET APPLE CIDER. L. KLEIN, INC., Chicago, Ill.
Filed October 19, 1935. Serial No. 370,558. PUBLISHED NOVEMBER 26, 1935. Class 45.

332,232. PILE FABRICS IN THE PIECE AND CUT LENGTHS. COLLINS & AIKMAN CORPORATION, Philadelphia, Pa., and New York, N. Y.
Filed October 17, 1935. Serial No. 370,460. PUBLISHED NOVEMBER 19, 1935. Class 42.

332,233. HAND LUGGAGE—VIZ, MEN'S AND LADIES' WARDROBE CASES, GLADSTONES, OVERNIGHT CASES, AND HAT BOXES. S. DRESNER & SON, INC., Chicago, Ill.
Filed October 15, 1935. Serial No. 370,441. PUBLISHED NOVEMBER 26, 1935. Class 3.

332,234. FERROUS METAL IN THE FORM OF BARS, PLATES, BITS, AND DIE BLOCKS. LATROBE ELECTRIC STEEL COMPANY, Latrobe, Pa.
Filed September 19, 1935. Serial No. 369,496. PUBLISHED NOVEMBER 26, 1935. Class 14.

332,235. SERIES OF ARTICLES OR WRITINGS PUBLISHED DAILY IN THE NEWSPAPER. THE CALL PUBLISHING COMPANY, San Francisco, Calif.
Filed September 19, 1935. Serial No. 369,428. PUBLISHED NOVEMBER 26, 1935. Class 38.

332,236. COFFEE. TINDALL, KOLES & MCDOWELL CO., Milwaukee, Wis.
Filed October 3, 1935. Serial No. 369,984. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,237. CANNED FRUITS AND VEGETABLES. PAXTON & GALLAGHER CO., Omaha, Nebr.
Filed October 4, 1935. Serial No. 370,015. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,238. PERIODICAL. SCHOLASTIC CORPORATION, Pittsburgh, Pa.
Filed October 4, 1935. Serial No. 370,019. PUBLISHED NOVEMBER 19, 1935. Class 38.

332,239. QUARTERLY PERIODICAL PUBLICATION. JAMES E. SITTERLEY, New York, N. Y.
Filed October 4, 1935. Serial No. 370,020. PUBLISHED NOVEMBER 19, 1935. Class 38.

332,240. QUARTERLY PERIODICAL PUBLICATION. JAMES E. SITTERLEY, New York, N. Y.
Filed October 4, 1935. Serial No. 370,021. PUBLISHED NOVEMBER 19, 1935. Class 38.

332,241. NEWSPAPER EDITORIAL FEATURES PUBLISHED IN A CONTINUING SERIES. AMERICAN INSTITUTE OF PUBLIC OPINION, Princeton, N. J.
Filed October 5, 1935. Serial No. 370,035. PUBLISHED NOVEMBER 19, 1935. Class 38.

332,242. NEWSPAPER EDITORIAL FEATURES PUBLISHED IN A CONTINUING SERIES. AMERICAN INSTITUTE OF PUBLIC OPINION, Princeton, N. J.
Filed October 5, 1935. Serial No. 370,036. PUBLISHED NOVEMBER 19, 1935. Class 38.

332,243. AUTOMOBILE HOT AIR AND WATER HEATERS. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed October 5, 1935. Serial No. 370,038. PUBLISHED NOVEMBER 26, 1935. Class 19.

332,244. PERIODICAL. HIDE AND LEATHER PUBLISHING CO., Chicago, Ill.
Filed October 5, 1935. Serial No. 370,049. PUBLISHED NOVEMBER 19, 1935. Class 38.

332,245. COFFEE. LOWRY ROGERS CO., doing business as Lowry Coffee Co., Philadelphia, Pa.
Filed October 5, 1935. Serial No. 370,055. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,246. BILLIARD CLOTH. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed September 16, 1935. Serial No. 369,324. PUBLISHED NOVEMBER 26, 1935. Class 42.

332,247. BILLIARD CLOTH. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed September 16, 1935. Serial No. 369,325. PUBLISHED NOVEMBER 26, 1935. Class 42.

332,248. BILLIARD CLOTH. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed September 16, 1935. Serial No. 369,326. PUBLISHED NOVEMBER 26, 1935. Class 42.

332,249. WHEAT FLOUR. CANADIAN MILL & ELEVATOR COMPANY, El Reno, Okla.
Filed September 16, 1935. Serial No. 369,337. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,250. DRIED AND CUT SHOOTS OF THE DESERT PLANT EPHEDRA TRIFURCA USED FOR MAKING A BEVERAGE TEA. CHARLES MCCLENNY, Congress Junction, Ariz.
Filed September 16, 1935. Serial No. 369,360. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,251. CANDY. FOSS PRUNE CANDY CO., Milwaukee, Wis.
Filed September 16, 1935. Serial No. 369,373. PUBLISHED NOVEMBER 26, 1935. Class 45.

332,252. RAISIN BREAD. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif.
Filed August 30, 1935. Serial No. 368,662. PUBLISHED NOVEMBER 26, 1935. Class 46.

332,253. WHISKEYS, BRANDIES, GINS, AND CORDIALS. JACOB S. POLEPSKY, doing business as Continental Pure Products Co., Jersey City, N. J.
Filed October 22, 1935. Serial No. 370,727. PUBLISHED NOVEMBER 26, 1935. Class 49.

332,254. WHISKEYS, BRANDIES, GINS, AND CORDIALS. JACOB S. POLEPSKY, doing business as Continental Pure Products Co., Jersey City, N. J.
Filed October 22, 1935. Serial No. 370,728. PUBLISHED DECEMBER 3, 1935. Class 49.

332,255. WHISKEYS, BRANDIES, GINS, AND CORDIALS. JACOB S. POLEPSKY, doing business as Continental Pure Products Co., Jersey City, N. J.
Filed October 22, 1935. Serial No. 370,729. PUBLISHED NOVEMBER 26, 1935. Class 49.

332,256. OAK FLOORING. W. M. RITTER LUMBER COMPANY, Columbus, Ohio.
Filed October 3, 1935. Serial No. 369,981. PUBLISHED NOVEMBER 26, 1935. Class 12.

332,257. LUBRICATING OILS. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed September 17, 1935. Serial No. 369,423. PUBLISHED NOVEMBER 26, 1935. Class 15.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

332,258. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LARSON P. SMITH, INC., Irvington, N. J. Filed Sept. 28, 1932. Serial No. 330,764.

DUO BLADE SCRAPER

For Scrapers for Surfaces of Glass, Wood, Metal, and Other Substances, Coated or Uncoated, in Whole or in Part, for Use of Carpenters, Cabinet Makers, Wood Workers, Painters, Automobile Refinishers, Floor Finishers, Floor Layers, Leather Workers, Paper Hangers, and Other Tradesmen.
Claims use since Jan. 1, 1930.

332,259. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) MARYLAND DISTILLERS PRODUCTS CORPORATION, Baltimore, Md. Filed Jan. 16, 1934. Serial No. 346,126.

RICHFIELD

For Whiskey.
Claims use since 1915.

332,260. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SAMSON-UNITED CORPORATION, Rochester, N. Y. Filed May 25, 1934. Serial No. 351,875.

STEEL-ROCK

For Electric Heating Units Used in Electric Waffle Irons, Electric Flat Irons, Electric Soldering Irons, Electric Curling Irons, Electric Stoves, and Electric Sandwich Toasters.
Claims use since May 12, 1934.

332,261. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) UNITED STATES ELECTRIC MFG. CORP., New York, N. Y. Filed Oct. 1, 1934. Serial No. 356,842.

"SHO-BLO"

For Fuse Plugs.
Claims use since Sept. 21, 1934.

332,262. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 31, 1934. Serial No. 361,710.

MULTICORD CREPE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 29, 1934.

332,263. (CLASS 39. CLOTHING.) BATES SHOE COMPANY, Webster, Mass. Filed Nov. 9, 1934. Serial No. 358,462.

SUPPLE-EZE
FLEXIBLE
AS YOUR FOOT

For Leather, Rubber and Fabric Shoes and Shoes Made from Various Combinations of Leather, Rubber and Fabric.
Claims use since June, 1934.

332,264. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 21, 1934. Serial No. 358,470.

ZEPHYRSHEER

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Nov. 20, 1934.

332,265. (CLASS 39. CLOTHING.) JAMES O. MOORE, doing business as Balou' Hosiery Agency, St. Louis, Mo. Filed Dec. 8, 1934. Serial No. 350,092.

DUNKIRK

For Men's Hosiery.
Claims use since Aug. 25, 1934.

332,266. (CLASS 39. CLOTHING.) ECLIPSE-NEEDLES COMPANY, Philadelphia, Pa. Filed Jan. 3, 1935. Serial No. 359,885.

Cantwilt

For Men's Collars and Dress, Negligee, and Work Shirts.
Claims use since Dec. 14, 1934.

332,267. (CLASS 39. CLOTHING.) ECLIPSE-NEEDLES COMPANY, Philadelphia, Pa. Filed Jan. 3, 1935. Serial No. 359,886.

Wiltnomore

For Men's Collars and Dress, Negligee, and Work Shirts.
Claims use since Dec. 14, 1934.

332,268. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) HOLLES LIQUOR DISTRIBUTORS, INC., Chicago, Ill. Filed Nov. 2, 1934. Serial No. 357,819.

True American

For Whiskey.
Claims use since Oct. 5, 1934.

332,269. (CLASS 48. MALT BEVERAGES AND LIQUORS.) THE MIAMI VALLEY BREWING COMPANY, Dayton, Ohio. Filed Jan. 17, 1935. Serial No. 360,368.

Miami Special

For Beer.
Claims use since Nov. 30, 1934.

332,270. (CLASS 39. CLOTHING.) UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Jan. 29, 1935. Serial No. 360,833.

TEMPERED RUBBER

For Boots and Shoes Made of Rubber, and Rubber and Fabric.
Claims use since Nov. 30, 1934.

332,271. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROBERT HOCHMAN, doing business as Meer Made Products, Chicago, Ill. Filed Feb. 23, 1935. Serial No. 362,720.

HYD-ROD

For Shower Curtains Made of "Hydrotex" Material.
Claims use since Dec. 15, 1934.

332,272. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) HASCO TRADING CORPORATION, New York, N. Y. Filed Mar. 28, 1935. Serial No. 363,100.

SARTHE

For Rum.
Claims use since 1927.

332,273. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) FRANK MCCORMICK, INC., Minneapolis, Minn. Filed May 18, 1935. Serial No. 365,087.

McCormick's

For Whiskey.
Claims use since Dec. 15, 1934.

332,274. (CLASS 39. CLOTHING.) LOUIS HIRSCH TEXTILE MACHINES, INC., New York, N. Y. Filed Sept. 17, 1935. Serial No. 369,404.

Clari-fied

For Hosiery.
Claims use since Oct. 21, 1934.

332,275. (CLASS 39. CLOTHING.) VAN RAALTE COMPANY, New York, N. Y. Filed Sept. 19, 1935. Serial No. 369,511.

STRYPS

For Women's Underwear and Lingerie—Namely, Bandeaux, Bloomers, and Panties.
Claims use since 1930.

332,276. (CLASS 39. CLOTHING.) MCLOUGHLIN MANUFACTURING COMPANY, New York, N. Y. Filed Oct. 28, 1935. Serial No. 370,857.

Bermuda

For Men's and Women's Sports Shirts and Blouses and for Men's Underwear.
Claims use since Oct. 15, 1934.

332,277. (CLASS 45. BEVERAGES, NONALCOHOLIC.) AMERICAN FRUIT PRODUCT CO., INC., New York, N. Y. Filed Nov. 7, 1935. Serial No. 371,292.

Old Fashion

For Cider.
Claims use since September, 1934.

332,278. (CLASS 43. THREAD AND YARN.) THOMAS HOSMER & SONS, INC., Concord, N. H. Filed Nov. 26, 1935. Serial No. 372,012.

Old Hampshire

For Yarns.
Claims use since March, 1935.

332,279. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) J. ROSENBERGER, Kansas City, Mo. Filed Dec. 6, 1935. Serial No. 372,269.

KENTUCKY MERIT

For Whiskey.
Claims use since Mar. 1, 1934.

332,280. (CLASS 25. LOCKS AND SAFES.) THE AMERICAN SWISS COMPANY, Toledo, Ohio. Filed Dec. 16, 1935. Serial No. 372,709.

Swiss

For Vehicle Door Latches.
Claims use since August, 1926.

332,281. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn. Filed Dec. 18, 1935. Serial No. 372,782.

BEBIDA REAL

For Rum.
Claims use since Apr. 23, 1934.

TRADE-MARK REGISTRATIONS RENEWED

107,690. OLEOMARGARIN. Registered December 14, 1915. GEO. P. BRAUN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed December 14, 1935.

107,756. RUBBER BOOTS AND SHOES AND TENNIS-SHOES HAVING RUBBER SOLES VULCANIZED TO THE SHOE. Registered December 28, 1915. HOOD RUBBER COMPANY, Watertown, Mass. Renewed December 28, 1935, to Hood Rubber Company, Inc., Wilmington, Del., a corporation of Delaware, assignee.

107,758. RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, AND RUBBER-SOLED CANVAS BOOTS AND SHOES. Registered December 28, 1915. HOOD RUBBER COMPANY, Watertown, Mass. Renewed December 28, 1935, to Hood Rubber Company, Inc., Wilmington, Del., a corporation of Delaware, assignee.

107,782. IMITATION, ARTIFICIAL, SCIENTIFIC, OR SYNTHETIC PEARLS, RUBIES, EMERALDS, SAPPHIRES, AND OTHER GEMS. Registered December 28, 1915. FRANZ J. GOLDSCHL. Renewed December 28, 1935, to Tocis Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

107,873. DOG-BISCUITS. Registered January 4, 1916. CHAMPION ANIMAL FOOD COMPANY, St. Paul, Minn. Renewed January 4, 1936, to Champion Animal Food Company, Minneapolis, Minn., a corporation of Minnesota, assignee.

107,884. FLOUR MADE FROM WHEAT, AND CEREALS. Registered January 4, 1916. THE JOHNS MILLING CO., St. Johns, Oreg. Renewed January 4, 1936, to Crown Mills, Portland, Oreg., a corporation of Oregon, successor.

107,897. CLOTHS AND STUFFS OF WOOL, WORSTED OR HAIR. Registered January 4, 1916. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England, a corporation of Great Britain. Renewed January 4, 1936.

107,904. BOXES AND CRATES MADE OF CERTAIN NAMED MATERIALS, AND CHICKEN-COOPS. Registered January 4, 1916. CHICAGO MILL AND LUMBER COMPANY. Renewed January 4, 1936, to Chicago Mill and Lumber Company, Chicago, Ill., a corporation of Delaware, assignee.

107,956. PAPERS, FELTS, AND COMPOSITE FABRICS FOR ROOFING, SHEATHING, AND WATERPROOFING. Registered January 4, 1916. BARRETT MANUFACTURING COMPANY. Renewed January 4, 1936, to The Barrett Company, New York, N. Y., a corporation of New Jersey, assignee.

107,957. PAPERS, FELTS, AND COMPOSITE FABRICS FOR ROOFING, SHEATHING, AND WATERPROOFING. Registered January 4, 1916. BARRETT MANUFACTURING COMPANY. Renewed January 4, 1936, to The Barrett Company, New York, N. Y., a corporation of New Jersey, assignee.

108,357. INSECTICIDES. Registered February 1, 1916. ANSBACHER INSECTICIDE CO., INC., New York, N. Y. Renewed February 1, 1936, to Ansbacher-Siegle Corporation, Brooklyn, N. Y., a corporation of New York, by change of name.

108,370. FARINA, ROLLED OATS, AND OATMEAL. Registered February 1, 1916. ROBIN HOOD MILLS LIMITED, Calgary, Alberta, and Moose Jaw, Saskatchewan, Canada, a corporation of Canada. Renewed February 1, 1936.

108,381. PREPARED ROOFING. Registered February 8, 1916. BARRETT MANUFACTURING COMPANY. Renewed February 8, 1936, to The Barrett Company, New York, N. Y., a corporation of New Jersey, assignee.

108,698. A DICTIONARY. Registered February 22, 1916. FUNK & WAGNALLS COMPANY. Renewed February 22, 1936, to Funk & Wagnalls Company, New York, N. Y., a corporation of Delaware, successor.

108,771. STRAIGHT OLD TOM GIN. Registered February 29, 1916. BOOTH'S DISTILLERY, LIMITED. Renewed February 29, 1936, to Booth's Distilleries, Limited, London, England, a limited liability company of Great Britain, by change of name.

109,011. CANNED FRUITS, CANNED FISH, AND CANNED VEGETABLES. Registered March 14, 1916. LIBBY, MCNEILL & LIBBY. Renewed March 14, 1936, to Emery Food Company, Chicago, Ill., a corporation of Illinois, assignee.

109,022. CIGARS AND LITTLE CIGARS. Registered March 14, 1916. MI FAVORITA CIGAR CO., INC., New York, N. Y., and Key West, Fla. Renewed March 14, 1936, to Webster Eisenlohr, Inc., New York, N. Y., a corporation of Pennsylvania, assignee by mesne assignments.

109,530. SILK PIECE GOODS. Registered April 11, 1916. GOLDMAN COSTUMB CO., New York, N. Y. Renewed April 11, 1936, to Wahnetah Silk Company, Catasauqua, Pa., a corporation of Pennsylvania, assignee.

110,094. WHEAT-FLOUR. Registered May 2, 1916. FEDERAL MILLING COMPANY. Renewed May 2, 1936, to Federal Mill, Inc., Lockport, N. Y., a corporation of New York, assignee by mesne assignments.

110,110. CERTAIN NAMED SPORTING GOODS. Registered May 2, 1916. WRIGHT & DITSON, Boston, Mass. Renewed May 2, 1936, to Spalding Sales Corporation, Jersey City, N. J., and New York, N. Y., a corporation of New Jersey, assignee.

110,162. TARRED FELT. Registered May 9, 1916. BARRETT MANUFACTURING COMPANY (now by change of name The Barrett Company, a corporation of West Virginia). Renewed May 9, 1936, to The Barrett Company, New York, N. Y., a corporation of New Jersey, assignee.

110,406. SNAP-HOOKS, GRAB-HOOKS, AUTOMOBILE-TIRE-CHAIN HOOKS, AND IRON AND STEEL CHAINS. Registered May 23, 1916. NEWHALL CHAIN FORGE & IRON CO., New York, N. Y. Renewed May 23, 1936, to Newhall Chain Forge & Iron Co., Westwood, N. J., a corporation of New Jersey.

110,407. SNAP-HOOKS, GRAB-HOOKS, AUTOMOBILE-TIRE-CHAIN HOOKS, AND IRON AND STEEL CHAINS. Registered May 23, 1916. NEWHALL CHAIN FORGE & IRON CO., New York, N. Y. Renewed May 23, 1936, to Newhall Chain Forge & Iron Co., Westwood, N. J., a corporation of New Jersey.

110,618. PIANOS. Registered June 6, 1916. AMERICAN PIANO COMPANY. Renewed June 6, 1936, to Aeolian American Corporation, New York, N. Y., a corporation of New York, assignee.

110,632. FACE-POWDER. Registered June 6, 1916. A. BOURJOIS & CO., INC. Renewed June 6, 1936, to Bourjois, Inc., New York, N. Y., a corporation of New York, assignee.

110,640. A NEWSPAPER. Registered June 6, 1916. THE GEORGIAN COMPANY, Atlanta, Ga. Renewed June 6, 1936, to American Newspapers, Inc., New York, N. Y., a corporation of Delaware, assignee.

110,690. LEATHER BELTS AND LEATHER BELT-LACINGS. Registered June 6, 1916. CHAS. A. SCHIEREN COMPANY, New York, N. Y., a corporation of New York. Renewed June 6, 1936.

110,691. LEATHER BELTING. Registered June 6, 1916. CHAS. A. SCHIEREN COMPANY, New York, N. Y., a corporation of New York. Renewed June 6, 1936.

110,707. GASOLENE. Registered June 6, 1916. WADHAMS OIL COMPANY. Renewed June 6, 1936, to Wadhams Oil Company, Milwaukee, Wis., a corporation of Wisconsin, assignee.

110,720. WRAPPING-PAPER. Registered June 13, 1916. BERLIN MILLS COMPANY, Portland, Maine. Renewed June 13, 1936, to Brown Company, Portland, Maine, and Berlin, N. H., a corporation of Maine, by change of name.

110,721. WRAPPING-PAPER. Registered June 13, 1916. BERLIN MILLS COMPANY, Portland, Maine. Renewed June 13, 1936, to Brown Company, Portland, Maine, and Berlin, N. H., a corporation of Maine, by change of name.

110,735. GLASS SHADES, GLASS GLOBES, AND GLASS REFLECTORS FOR ARTIFICIAL ILLUMINATION. Registered June 13, 1916. GLEASON-TIBBOTT GLASS COMPANY, New York, N. Y., a corporation of New York. Renewed June 13, 1936.

110,749. WHEAT-FLOUR. Registered June 13, 1916. KANSAS MILLING COMPANY, Wichita, Kans., a corporation of Kansas. Renewed June 13, 1936.

110,779. TYPE-WRITING MACHINES AND PARTS THEREOF. Registered June 13, 1916. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y., a corporation of New York. Renewed June 13, 1936.

110,805. CITRUS FRUIT, SUCH AS ORANGES, LEMONS, LIMES, AND GRAPE-FRUIT. Registered June 13 1916. CABELL & CABELL, Micco, Fla. Renewed June 13, 1936, to Cabell & Cabell, Charleston, W. Va., a firm.

110,829. HAMS, BACON, LARD, DRIED BEEF, AND SAUSAGE. Registered June 13, 1916. THE H. H. MEYER PACKING COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed June 13, 1936.

110,843. CERTAIN NON-ALCOHOLIC BEVERAGES, COLORINGS, AND EXTRACTS AND ESSENCES FOR FLAVORING SAME. Registered June 13, 1916. WARNER JENKINSON MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed June 13, 1936.

110,895. BEER. Registered June 13, 1916. JOHN RICHLER BREWING COMPANY, New York, N. Y., a corporation of New York. Registered June 13, 1936.

111,006. TANNING EXTRACTS. Registered June 20, 1916. THE CHAMPION FIBRE COMPANY, Hamilton, Ohio. Renewed June 20, 1936, to The Champion Fibre Company, Canton, N. C., a corporation of Ohio.

111,019. READY-MADE PASTE PAINTS IN WHITE AND COLORS. Registered June 20, 1916. JOHN W. MASURY & SON, Brooklyn, N. Y., a corporation of New York. Renewed June 20, 1936.

111,022. WHEAT-FLOUR. Registered June 20, 1916. NIAGARA FALLS MILLING CO., Niagara Falls and Buffalo, N. Y. Renewed June 20, 1936, to Niagara Falls Milling Co., Lockport, N. Y., a corporation of New York.

111,050. HAIR-TONIC. Registered June 20, 1916. JORGEN JORGENSEN, Derby, Conn. Renewed June 20, 1936.

LABELS

REGISTERED FEBRUARY 4, 1936

47,002.—*Title:* ALLO'S CREMOSS. For a Preparation for the Treatment of Coughs, Colds, Whooping Cough, Bronchitis, Bronchial Irritations, Croup, and Hoarseness. IGNATIUS ALLO, doing business as Allo Pharmacal Co., New York, N. Y. Published October 24, 1935.

47,003.—*Title:* CRUSADER. For Motor Oil. CRUSADER OIL CORPORATION, New York, N. Y. Published February 21, 1935.

47,004.—*Title:* HONEY-KRUST. For Bread. GROCERS BAKING COMPANY, INCORPORATED, Louisville, Ky. Published March 18, 1935.

47,005.—*Title:* KENTUCKY TURNPIKE. For Straight Bourbon Whisky. LOS ANGELES BREWING CO., Los Angeles, Calif. Published October 1, 1935.

47,006.—*Title:* OLD MARYLAND. For Straight Rye Whisky. LOS ANGELES BREWING CO., Los Angeles, Calif. Published October 1, 1935.

47,007.—*Title:* CRYSTAL LAKE. For Alcohol. LOS ANGELES BREWING CO., Los Angeles, Calif. Published October 1, 1935.

47,008.—*Title:* MACK'S SUPERIOR BODY AND MUSCLE SEARCHER. For a Preparation for the External Treatment of Colds in Various Parts of the Body and Rheumatic Pains. O. H. MCNEEKER, Chicago, Ill. Published December 2, 1935.

47,009.—*Title:* WHITE ROSE HAND LOTION. For Hand Lotion. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published May 14, 1935.

47,010.—*Title:* DAY & NIGHT FACE POWDER. For Face Powder. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published May 4, 1935.

47,011.—*Title:* KLEEN-U PILLS. For Laxative Pills or Tablets. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published May 14, 1935.

47,012.—*Title:* PRESSING OIL. For Pressing Oil. MORTON G. NEUMANN, doing business as Valmor Products Company, Chicago, Ill. Published May 14, 1935.

47,013.—*Title:* TAPS "LAST CALL". For a Preparation for Killing Snails and for the Control of Slugs, Sowbugs, Grasshoppers, Earwigs, and Cutworms. PACIFIC GUANO COMPANY, San Francisco, Calif. Published October 25, 1935.

47,014.—*Title:* OYSTER STEW. For Canned Oyster Stew. PADILLA POINT OYSTER COMPANY, Seattle, Wash. Published December 7, 1935.

47,015.—*Title:* LURSHEEN. For a Preparation in Liquid Form Used in Removing Dandruff Accumulations, Restoring Color to the Hair, Keeping Hair a Shade Desired and Scalp in Good Condition. EDNA M. PRAY, Kansas City, Mo. Published November 1, 1935.

47,016.—*Title:* ANA-MAL BALM. For Ointment for Dogs, Cats, and All Animals, Used in Treatment of the Skin, Dry Forms of Eczema and Sarcoptic Mange. EDNA M. PRAY, Kansas City, Mo. Published November 1, 1935.

47,017.—*Title:* WAKERS. For Tablets for Drowsy Drivers. JAMES B. SUTTERN, doing business as The A. C. Tablet Company, Elmira, N. Y. Published November 16, 1935.

47,018.—*Title:* LAURA BOB PINS. For Bob Pins. CHARLES K. THAU, doing business as Laura Hair Novelty Company, New York, N. Y. Published December 11, 1935.

PRINTS

REGISTERED FEBRUARY 4, 1936

15,567.—*Title:* NO SMOKING NOT EVEN AROMAS. For Cigarettes. L. RICHARD RAMSBERGER, New York, N. Y. Published December 8, 1935.

15,568.—*Title:* WHILE THEY LAST FREE! SHIRLEY TEMPLE CHILD'S MUG. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published November 8, 1935.

15,569.—*Title:* 1168E. For Dental Cream. THE KOLYNOS COMPANY, New Haven, Conn. Published October 12, 1935.

REISSUES

FEBRUARY 4, 1936

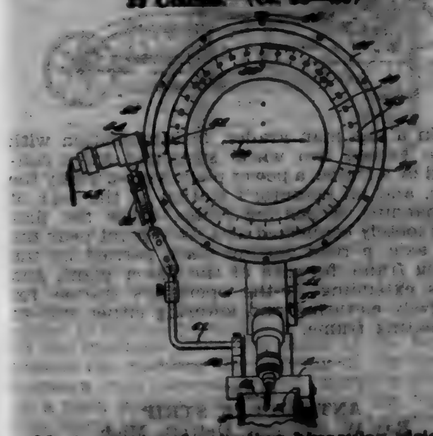
19,841

CLINICAL OPTICAL MENSURATION METHOD AND INSTRUMENT

Albert Ames, Jr., and Gordon H. Gibson, Hanover, N. H., assignors to Trustees of Dartmouth College, Hanover, N. H., a corporation of New Hampshire

Original No. 1,944,871, dated January 26, 1934, Serial No. 655,611, August 11, 1923. Application for reissue March 11, 1935, Serial No. 10,496

23 Claims. (Cl. 88—39)



26. Apparatus for testing binocular vision for difference of the ocular images of the two eyes, comprising test target means with elements indicating dimensional properties thereof for forming in the respective eyes images whose dimensions may be compared, means for relating the conscious appearances of the corresponding ocular images of said target means for comparison thereof in binocular vision, means for changing the relative size of said images by adjusting the position of said elements until they assume a predetermined location in superposed appearance, and means for determining the amount of said adjustment.

19,842

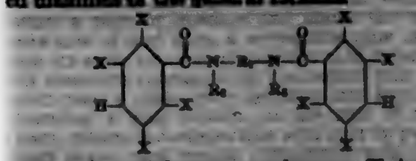
UNSULFONATED DIACYLATED DIAMINES AND PROCESS OF MAKING SAME

Guillaume de Montmollin, Jacob Dannan, Gérald Benhâte, and Hans Johner, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Original No. 1,630,836, dated February 22, 1923, Serial No. 564,402, September 22, 1931. Application for reissue May 13, 1935, Serial No. 21,333. In Switzerland September 27, 1930

12 Claims. (Cl. 260—124)

7. As new products the unsulphonated diacylated diamines of the general formula



wherein in each benzene nucleus one X stands for OH, the X in para position to the OH stands for alkyl or alkoxy, and the remaining X's stand for hydrogen, R_3 and R_5 meaning H or alkyl, and R_4 meaning an organic radical, which products are soluble in caustic alkalies, have a pronounced affinity for vegetable fibers when in solution in dilute alkalies, react with diazo-compounds with formation of azo-dyestuffs, and are split by saponifying agents into diamines and such hydroxycarboxylic acids of the benzene series in which the para-position to the OH-group is occupied by a substituent.

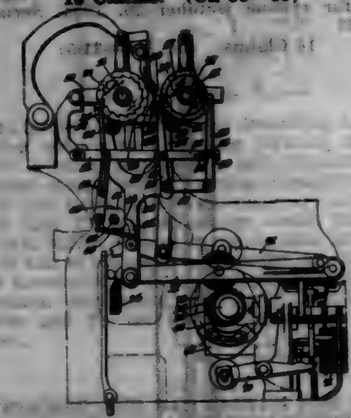
19,843

MECHANISM FOR KNITTING FULL-FASHIONED HOSIERY

Gustav Gastrich, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Original No. 1,941,556, dated December 26, 1933, Serial No. 574,245, November 11, 1931. Application for reissue September 11, 1935, Serial No. 40,166

18 Claims. (Cl. 66—59)



14. In a full fashioned knitting machine having yarn carriers, narrowing points, separate devices for limiting the travel of said carriers and points; spindles for actuating said limiting devices; a reciprocative member; means operable by said reciprocative member for operating said spindles to impart either simultaneous movement to both of said spindles in one direction or independent movements in either direction to one of said spindles, and a cyclic control device interconnecting said reciprocative member and said spindle operating means to alternately effect said means to bring about a change in the operation thereof on the spindles at each reciprocation of said reciprocative member.

19,844

SUCTION CLEANER

William H. Kitto, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Original No. 2,003,865, dated May 28, 1935, Serial No. 709,963, January 31, 1924. Application for reissue December 19, 1935, Serial No. 55,283. In Great Britain January 5, 1924

8 Claims. (Cl. 243—3)

1. In a suction cleaner, a motor including a casing portion, a frame portion extending rigidly

at the side of said casing portion, an armature rotatably supported in said frame portion, a removable casing portion enclosing said frame portion and provided with an opening on one side,



a light reflector, socket, and bulb carried by said removable casing portion adjacent said opening and within the normal periphery of said casing portion, and current-carrying means connecting said socket with a source of electric current.

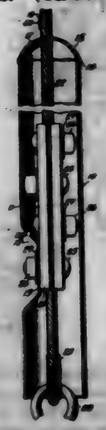
19,845

GUY WIRE PROTECTOR

Herbert E. Miller, Allentown, Pa., assignor to Utilities Service Company, Inc., Allentown, Pa., a corporation of Pennsylvania

Original No. 1,902,414, dated March 21, 1933, Serial No. 519,187, February 28, 1931. Application for reissue October 26, 1934, Serial No. 750,232

16 Claims. (Cl. 189—31.5)



14. In combination, a guy wire structure including a guy wire and a plurality of structural elements for clamping and anchoring said guy wire, a guy guard adapted to be positioned over said guy wire, a depression in said guy guard having an opening therein, and means, including a portion carried by said guy wire structure independently of said guy guard, for attaching said guy guard to said guy wire structure through said opening, said depression nesting a portion of said attaching means to prevent substantial protrusion of the attaching means above the mean surface of said guy guard, said attaching means having a portion overlying a portion of said guy guard adjacent said opening.

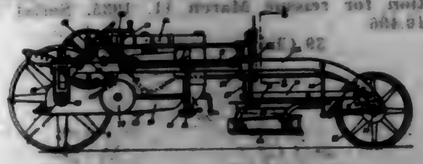
19,846

COMBINATION TRACTOR GRADER

Adolph Rensing, Minneapolis, Minn., and Andreas G. Rensing, deceased, late of Minneapolis, Minn., by Jacob Rensing and Adolph Rensing, joint executors, Minneapolis, Minn.; said Adolph Rensing and Andreas G. Rensing, assignors to Rensing Machinery Company, Minneapolis, Minn., a corporation of Minnesota

Original No. 1,766,252, dated March 19, 1929, Serial No. 451,788, March 12, 1921. Application for reissue June 14, 1930, Serial No. 461,247

12 Claims. (Cl. 37—126)



1. In a one man grader, in combination with not to exceed two wheel sustained axles connected by a frame, a power plant supported by the frame, and an operator's station at the rear of the machine, a floating frame below the first frame loosely connected at a fixed point near the front axle, a road cutting blade carried by the floating frame forward of the power plant, and means extending to the operator's station for selectively elevating and lowering either side of the floating frame.

19,847

ANTISQUEAK STRIP

Ray W. Springer, Detroit, Mich.

Original No. 2,007,549, dated July 9, 1935, Serial No. 703,852, December 22, 1932. Application for reissue September 3, 1935, Serial No. 39,071

9 Claims. (Cl. 296—138)



6. An antisqueak strip for use between adjacent structural parts comprising a web of porous fibrous material impregnated with a latex compound imparting a water resistant quality to the material, a bead extending along one edge of said web and including a covering finish strip, said web and bead being adhesively secured together.

PATENTS

GRANTED FEBRUARY 4, 1936

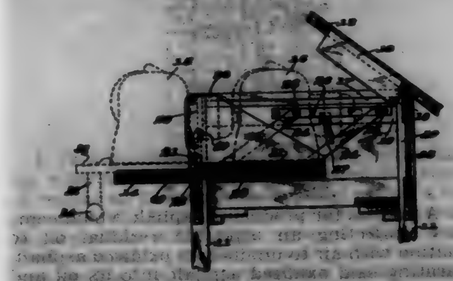
2,029,283

IRONING MACHINE CABINET

Henry W. Allerier, Peoria, Ill.

Application October 15, 1934, Serial No. 748,281

3 Claims. (Cl. 68—9)



1. An ironing machine cabinet having side walls, a rear wall and a top, said top being mounted for forward and rearward movement; an ironing machine housed in an inoperative position within the cabinet; a support at the front of the cabinet in such position as to maintain the machine in operative position thereon with the top of the machine above the plane of the top, and means for enabling the shifting of the machine between said inoperative and operative positions in a path intersecting the plane of the top, said top being shiftable rearwardly to accommodate movement of the machine in said path and said top being movable forwardly subsequent to the machine reaching operative position whereby it may serve as a support for fabrics ironed or to be ironed by said machine.

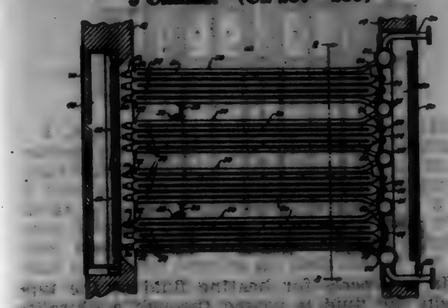
2,029,284

FLUID HEATER

Wilbur H. Armacost, New York, N. Y., assignor to The Superheater Company, New York, N. Y.

Application June 12, 1933, Serial No. 675,422

5 Claims. (Cl. 257—230)



1. A heater having a substantially vertical gas pass, a pair of headers one above the other at one side of said pass, a serpentine pipe unit having its ends connected into the said headers and its elements substantially horizontal and lying in said pass, a plate lying between said headers and forming a wall section on one side of said gas pass, means for supporting said unit in part from said plate, and means forming a wall for said gas pass opposite the said headers and plate.

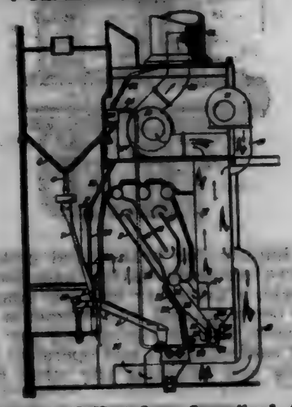
2,029,285

FURNACE

Joseph S. Bennett, Merion, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania

Application November 3, 1932, Serial No. 642,959

7 Claims. (Cl. 110—165)



1. In a device of the class described, the combination with a fuel burning furnace, of a fuel hopper, a boiler provided in said furnace, baffles provided on said boiler forming passages through which the gases in said furnace are circulated, cinder and fly ash collecting means associated with said baffles, means for conducting the cinders and fly ash so collected to a hopper, an oscillatory spout associated with said hopper, and means for oscillating said spout to evenly distribute the cinders and fly ash so conducted in the fuel hopper.

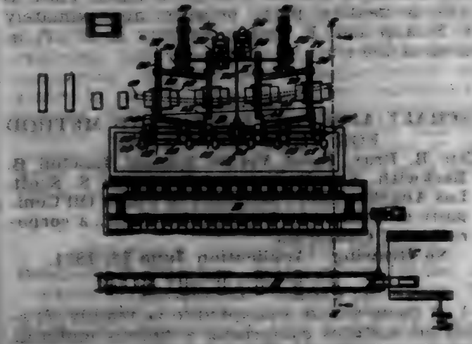
2,029,286

PROCESS AND APPARATUS FOR RAIL HANDLING AND TREATMENT

Quincy Bent, Friedensville, and Edward F. Kenney, Bethlehem, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania

Application January 21, 1932, Serial No. 587,869

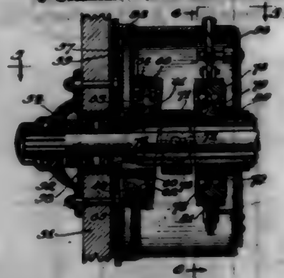
16 Claims. (Cl. 148—21.5)



1. In a process for treating rails, the steps of placing a hot rail in a position at a substantial angle to the vertical and yieldingly supporting the weight of the rail at a plurality of points spaced

along the length of the rail to permit substantially free alteration of shape of the rail in the plane of the web, and cooling the rail while thus supported.

2,029,257
MECHANISM FOR BRAKES AND CLUTCHES
William N. Boller, Oak Park, Ill., assignor to Peter Boller Machine Works, Chicago, Ill., a corporation of Illinois
Application May 20, 1935, Serial No. 22,361
9 Claims. (Cl. 188—2)



1. Mechanism for brakes and clutches comprising two elements having axes located at a small angle, a planetary member adapted to be engaged between said two elements to rotate therebetween, means restraining the movement of one of said elements and operative means for restraining and releasing the other element at will.

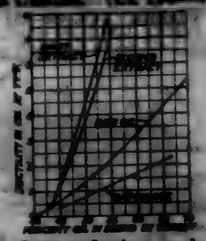
2,029,258
PETROLEUM RESIN
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application April 19, 1932, Serial No. 606,277
5 Claims. (Cl. 196—74)

4. A process for the production of plastic resins from petroleum which comprises separating a cracked residuum into fractions by means of a solvent having a low solvent power for the asphaltic materials present in said residuum, separating asphaltic materials from the cracked residuum fractions dissolved in the solvent, extracting the dissolved cracked residuum fractions with a selective solvent for the more aromatic fractions, removing aromatic fractions dissolved in the said selective solvent and distilling said fractions to produce as a distillate a plastic resin having a specific gravity of about 1.084 to 1.126, a melting point between approximately 93° F. and 150° F. and a ductility at 77° F. in excess of 100 cm.

2,029,259
ASPHALT-ASBESTOS MASTIC AND METHOD FOR PRODUCING SAME
Ulric B. Bray, Palos Verdes Estates, Lawton B. Beckwith, San Pedro, and Frederick S. Scott, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application June 23, 1934, Serial No. 732,115
12 Claims. (Cl. 106—31)

1. A paste which is adapted to be readily trowelled on surfaces comprising a fibrous material, asphalt, water, a stabilising agent, a de-emulsifying agent and a finely divided material which will adapt said mixture to be readily applied onto a surface by means of a trowel.

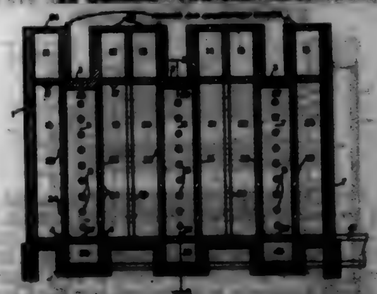
2,029,260
ASPHALTS AND METHOD FOR PRODUCING SAME
Ulric B. Bray, Palos Verdes Estates, and Lawton B. Beckwith, San Pedro, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Original application August 7, 1933, Serial No. 684,934. Divided and this application December 18, 1934, Serial No. 758,072
13 Claims. (Cl. 196—76)



9. A process for producing asphalt which comprises subjecting an asphaltic residual oil to oxidation with air to produce an oxidized asphalt, separating said oxidized asphalt into its oil and bituman constituents by means of solvents, commingling said oil constituent with liquid sulphur dioxide to separate said oil constituent into a raffinate and extract, commingling said extract with said bitumen and subjecting said mixture to further oxidation with air whereby an asphalt is produced having a lower penetration for the same melting point and a relatively higher susceptibility to temperature change than said first mentioned oxidized asphalt.

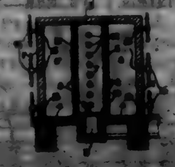
14. A composite asphalt produced from an oxidized asphalt in which substantially all of the oil constituent of the oxidized asphalt has been replaced with an oil having a flash point between approximately 375° F. and 425° F.

2,029,291
METHOD AND APPARATUS FOR HEATING FLUIDS
Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application June 4, 1932, Serial No. 615,350
12 Claims. (Cl. 122—356)



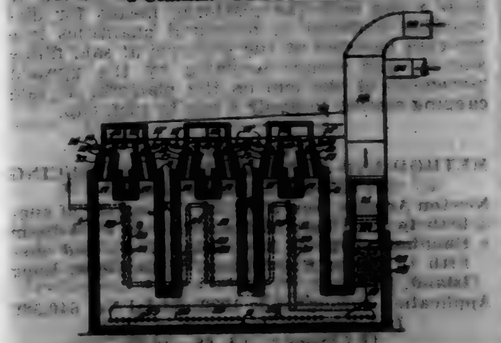
1. In a process for heating fluid of the type wherein the fluid is passed through a plurality of banks of conduits of restricted cross section connected in series, each bank disposed within a separate heating zone, the improvement which comprises simultaneously subjecting opposite sides of each fluid conduit to convection heat by contact with directed streams of hot products of combustion, whereby to independently control the heat input over the entire surface of each conduit, and independently controlling the rate of heat input in each bank.

2,029,292
PROCESS OF HEATING FLUIDS AND APPARATUS THEREFOR
Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application June 4, 1932, Serial No. 615,349
Renewed February 7, 1935
13 Claims. (Cl. 122—356)



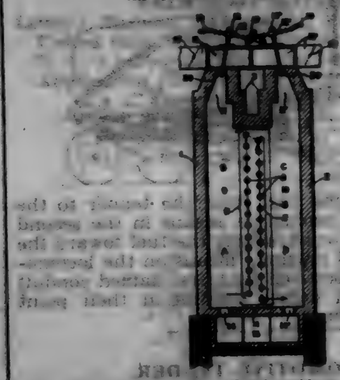
1. In a process for heating fluid of the character wherein the fluid is passed through a conduit of restricted cross section disposed within a heating zone, the improvement which comprises simultaneously subjecting opposite sides of said fluid conduit to superimposed radiant and convection heat, whereby to obtain a high average rate of heating around the entire periphery of the conduit while independently controlling the rate of heating at various points along the path of flow of the fluid through the conduit.

2,029,293
HEATING OF FLUIDS
Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 10, 1933, Serial No. 684,861
3 Claims. (Cl. 196—118)



3. A process for heating fluid hydrocarbons to conversion temperature comprising passing the fluid hydrocarbons in a restricted stream through a heating coil embracing serially connected tubular elements disposed substantially in a common vertical plane intermediate a pair of parallel heat radiant walls substantially parallel to said plane and forming on each side of the heating coil a combustion zone substantially free of heat absorbing elements intermediate the walls and heating coil, projecting flames into said combustion zones on opposite sides of said coil and directing the flames angularly away from the coil and toward said walls so as to impart a high heat radiating capacity to a substantial portion of each of said walls, and so controlling the generation and projection of flames into said combustion zones as to substantially uniformly heat the opposite sides of any given portion of said heating coil.

2,029,294
HEATING OF FLUIDS
Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 25, 1934, Serial No. 736,521
22 Claims. (Cl. 122—356)



1. In a process for the heating of fluids wherein fluid is passed in series through two adjacent parallel rows of tubes within a furnace and wherein each tube is subjected to heating by direct radiation from opposite sides, the improvement which comprises independently controlling the rate of heating in each row and in different portions of each row of tubes whereby to obtain the desired heating curve.

2,029,296
LOCOMOTIVE TENDER
Howard F. Anderson, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application June 24, 1930, Serial No. 463,392
Renewed June 2, 1934
31 Claims. (Cl. 105—234)

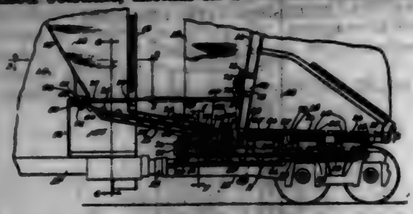


1. In combination in a locomotive tender having a base, a body portion including the conventional form and location of bulkheads and comprising fuel and water compartments separated by partition plates, a stoker conveyor extending within said water compartment and opening upwardly to receive fuel from said fuel compartment, and an alcove exteriorly of said water compartment disposed between said bulkheads to receive stoker drive mechanism.

2,029,296
MULTIPLE UNDERFEED STOKER
Benjamin F. Harrison, Glenns Ferry, Idaho, assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application November 5, 1931, Serial No. 573,669
Renewed July 11, 1935
11 Claims. (Cl. 110—44)

3. In combination with a locomotive having a firebox and tender provided with a fuel bin, a

stoker for conveying fuel from said bin to said firebox including a conduit mounted at its rearward end on the tender and at its forward end on the locomotive, a second conduit mounted on the locomotive and communicating with said first named conduit, means in said first named con-



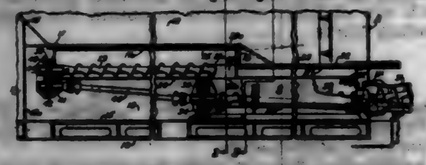
duit for advancing fuel from the tender to the conduit on the locomotive, means in the second named conduit for advancing the fuel toward the firebox, and fuel crushing means on the locomotive interposed between said first named conduit and said second named conduit at their point of communication.

2,029,287

LOCOMOTIVE TENDER

William C. Peyton, New York, N. Y., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware

Application July 30, 1932, Serial No. 626,232
Renewed February 21, 1935
32 Claims. (Cl. 198—15)



1. A locomotive tender of the class described having a fuel bunker provided with an apertured floor constituted by a plurality of apertured sections arranged in different elevations, each section being provided with a plurality of slidable plates for controlling its aperture.

2,029,296

LOCOMOTIVE TENDER

Charles J. Surdykowski, Tuckahoe, N. Y., now by judicial change of name Charles J. Surdy, assignor to Standard Stoker Company, Inc., a corporation of Delaware

Application November 23, 1932, Serial No. 643,973
Renewed July 5, 1935
15 Claims. (Cl. 198—15)



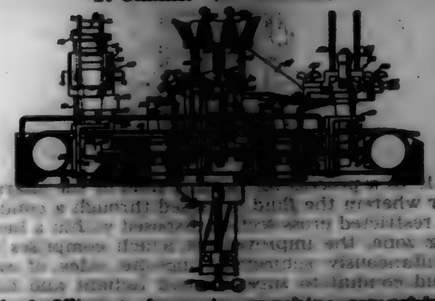
7. In combination with a locomotive tender, a stoker including a screw conveyor on the tender, a gear drive on the tender forward of said conveyor driving the same from its forward end, a second screw conveyor communicating with said first named screw conveyor and having its rearward end disposed in a plane below and offset laterally to one side of the forward end of said first named screw conveyor, a gear drive disposed rearward of said second named screw conveyor and for driving the same from its rearward end, a power shaft operatively associated with one of said gear drives and a jack shaft interposed between and associated with the first and second named gear drives for transferring motion from one to the other.

2,029,290

COMBINED FILLING AND CAPPING MACHINE

Swan F. Anderson, Rockford, Ill.

Application September 30, 1933, Serial No. 635,482
17 Claims. (Cl. 226—76)



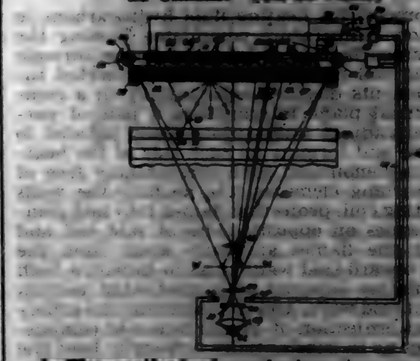
1. A filling and capping machine comprising, in combination, mechanisms providing cup-dispensing, filling and capping stations arranged in spaced relation, a conveyor for supporting a succession of cups in spaced relation beneath said mechanisms and movable continuously past said stations, three platforms each located at one of said stations and adapted when raised to elevate a cup from said conveyor and present the same to one of said mechanisms, a common power-driven means operable to raise and lower said platforms in timed relation, means at the cup-dispensing station actuated by each upward movement of the platform at such station to drop a cup onto the platform, means for discharging material in measured quantities into the cups elevated by the platform at said filling station, and means actuated by the upward movement of the cup on the platform at said capping station to apply a cap to such cup.

2,029,300

METHOD AND APPARATUS FOR PRODUCING STEREOSCOPIC EFFECTS

Newton Ariston, New York, N. Y., assignor of one-fifth to Emil Pohl and one-half to F. William Buchhart, both of New York, N. Y., and one-fifth to Franz Bernheimer, Little Neck, Long Island, N. Y.

Application November 1, 1932, Serial No. 640,539
In Germany December 12, 1931
18 Claims. (Cl. 88—16.6)



1. The method of producing stereoscopic motion pictures, which comprises decomposing the projected images of a succession of pictures on a film into a plurality of bands and directing such bands upon spaced fields on a phosphorescent screen, and progressively moving said screen to cause related bands of successive pictures to be juxtaposed on said screen.

2,029,301

PROCESS OF PREPARING TETRA ALKYL LEAD

Louis S. Reber, Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 9, 1933, Serial No. 675,969
12 Claims. (Cl. 260—11)

1. The process for preparing tetra alkyl lead which comprises contacting under reacting conditions, an organic halide with a lead monosodium alloy in the form of small substantially dust-free particles of a uniform size.

2,029,302

GASKET AND GASKET MATERIAL

George T. Balfe, Detroit, Mich., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich., a corporation of Michigan

Original application January 12, 1929, Serial No. 331,331, now Patent No. 1,776,148, dated September 16, 1930. Divided and this application September 15, 1930, Serial No. 482,584
7 Claims. (Cl. 277—1)

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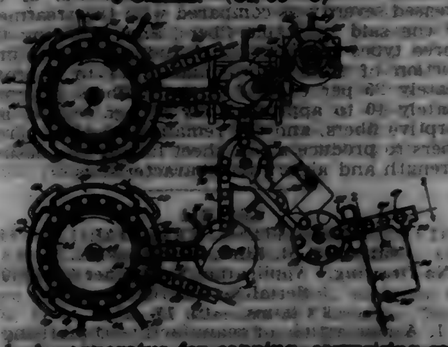
1. A gasket comprising accumulative layers of perforate metal and interposed therebetween fibrous cushion material, the metal layers being provided with a multiplicity of closely compacted inwardly punched projections adjacent the perforations in said sheets and embedded in the cushion material, thus preventing relative lateral movement of the cushion material and/or the metal layers.

2,029,306

APPARATUS FOR AND METHOD OF CANNING

Charles O. Ball, River Forest, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application August 27, 1932, Serial No. 630,971
9 Claims. (Cl. 99—8)



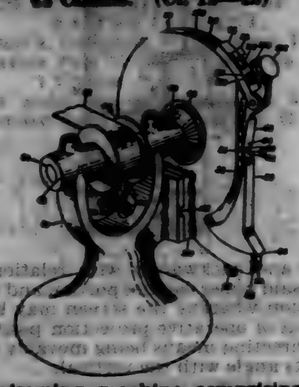
1. An apparatus for canning, comprising separate sealed sterilizing chambers respectively for a product to be canned, the can bodies to receive the product, can ends to be seamed to the filled cans, and sealed sterile passageways between said chambers, and rotary sealing valves for the entrance of cans to be filled and for the exit of filled cans, and for the sealing of all of said chambers so as to maintain a pressure of confined live steam in said chambers.

2,029,304

TRIMMING MACHINE

Lewis J. Bamard, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application June 14, 1933, Serial No. 675,794
Renewed July 15, 1935
43 Claims. (Cl. 12—42)



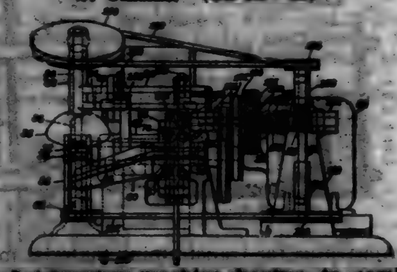
1. A trimming machine comprising an anvil for supporting a projecting margin of a cover which is secured to a heel, a tool provided with a plurality of projections which are constructed and arranged to skive the projecting margin supported by the anvil by a series of cuts which progress generally toward the edge of said margin, and means for operating the tool.

2,029,305

TRIMMING MACHINE

Lewis J. Bamard, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application June 14, 1933, Serial No. 675,795
37 Claims. (Cl. 12—42)



1. A trimming machine having, in combination, a rotary anvil for supporting the margin of a piece of flexible sheet material fed over it, a cooperating stock-removing tool, and means for rotating said tool in a plane disposed at an angle to the plane of rotation of the anvil and in a direction to skive the margin by a series of operations which progress toward the edge of the margin.

2,029,306

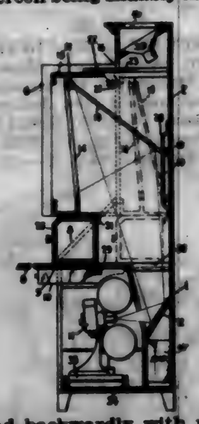
MOVING PICTURE AND SOUND CABINET

William R. Ball, Pelham Manor, N. Y.

Application December 16, 1933, Serial No. 702,822
7 Claims. (Cl. 88—16.2)

1. The combination with a cabinet comprising a lower portion and an upper portion of less depth

than said lower portion, of a motion picture projector in said lower portion, a picture screen at the front of said upper portion and means for directing the projecting light rays to said picture screen, said picture screen being slidably mounted to move



forwardly and backwardly with relation to and outside of said upper cabinet portion and over said lower portion whereby the screen may be moved into and out of operative projection position, said light ray directing means being movably mounted to adjust its angle with the vertical.

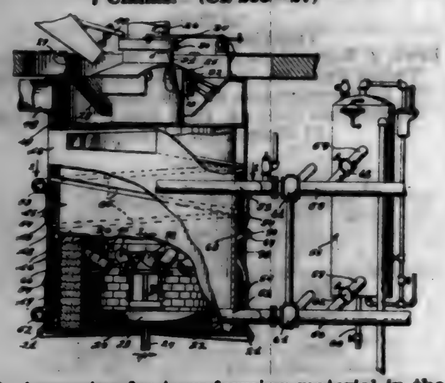
2,029,207

METHOD AND APPARATUS FOR MANUFACTURING PRODUCTS BY SUBJECTING A MATERIAL TO RELATIVELY HIGH TEMPERATURES

Lee R. Campbell, Hazel Park, Mich.

Application November 25, 1932, Serial No. 644,468

7 Claims. (Cl. 266—27)



1. Apparatus for transforming material in the solid state to a molten mass by the application of heat comprising, a furnace having a chamber for receiving a charge of the material to be heated and a charge of combustible material, means for discharging the combustible material in the chamber through the upper end of the latter, and means for feeding the material to be heated into the chamber around the combustible material including, a conveyor for conducting the material to be heated to a point above the upper end of the chamber, a distributor positioned to receive the material discharged from the conveyor and operable to feed the latter material into the chamber between the combustible material therein and the side walls thereof, and means for rotating said distributor by a step-by-step movement.

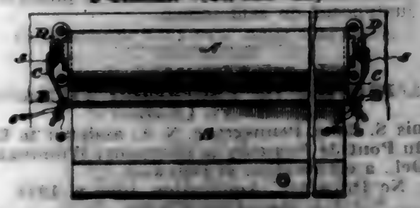
2,029,208

SHADE PROTECTOR

Daniel W. Causey, Norfolk, Va.

Application April 21, 1933, Serial No. 667,302

6 Claims. (Cl. 156—18)



1. A shade protector including the combination with a supporting bracket, of a flexible shade cover, flexible anchoring means in opposite edges of the cover, an arm carried by the bracket and having a portion disposed in the zone of said flexible anchoring means whereby the latter may be tied thereabout.

2,029,209

PREPARING PHOSPHATE CHARGING STOCK

Harry A. Curtis, Knoxville, Tenn., and Armand J. Abrams, Colbert County, near Sheffield, Ala., assignors to Tennessee Valley Authority, Wilson Dam, Ala., a corporation

No Drawing. Application August 22, 1934, Serial No. 740,363

13 Claims. (Cl. 23—124)

(Granted under the act of March 2, 1883, as amended April 30, 1928; 370 O. G. 757)

6. Steps in process of preparing phosphorus reduction furnace charging stock which comprise adding fine coking coal to a hot unsintered mixture of fine phosphate rock and fine silica and mixing the coal, phosphate rock and silica until the mixture contains semi-coke.

2,029,210

FELT AND PROCESS OF MAKING SAME

Pierre Dreweatt, Sandusky, Ohio, assignor to The Barrett Company, a corporation of New Jersey

No Drawing. Application February 4, 1926, Serial No. 86,996. Renewed January 27, 1934

32 Claims. (Cl. 92—3)

1. The process of producing roofing felt which comprises cooking jute fibers to produce fibers which when incorporated in the felt impart strength thereto, separately cooking vegetable fibers to produce absorptive fibers, separately cooking cereal fibers under conditions of increased severity as compared with the treatment of the said vegetable fibers, and admixing the three types of fibers thus produced in the proportion of from approximately 15 to approximately 25 per cent of strength fibers, approximately 40 to approximately 85 per cent of absorptive fibers, and the remainder cooked cereal fibers to produce a felt sheet having the desired strength and absorptive characteristics.

2,029,211

INSULATING MATERIAL

Nathaniel M. Elias, New York, N. Y.

No Drawing. Application September 26, 1930, Serial No. 484,766

3 Claims. (Cl. 75—1)

1. A new article of manufacture comprising a mass of cellular insulating material having a specific gravity less than unity, and metal serving as a binder for said insulating material and forming a coating or lining for the mass to constitute a finished surface for the article.

2,029,212

DYESTUFFS AND THEIR APPLICATION

George Holland Ellis and Frank Brown, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application February 7, 1933, Serial No. 655,612. In Great Britain February 17, 1932

10 Claims. (Cl. 8—5)

1. Process for the coloration of organic derivatives of cellulose which comprises applying thereto an unsulphonated anthraquinone compound having as a substituent in the anthraquinone nucleus a phenylamino radicle having an alkyl group as a meta substituent.

2,029,213

PRODUCTION AND APPLICATION OF NEW DYESTUFFS

George Holland Ellis and Frank Brown, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application February 7, 1933, Serial No. 655,614. In Great Britain February 17, 1932

13 Claims. (Cl. 8—5)

1. Process for the coloration of organic derivatives of cellulose which comprises applying thereto an unsulphonated anthraquinone compound having as a substituent in the anthraquinone nucleus an ether substituted arylamino group of the benzene series.

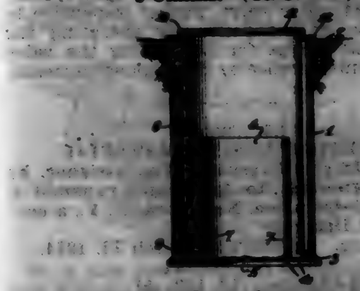
2,029,214

GROUND-LEVEL CEMETERY VASE

Stuart Ellis, Fredericksburg, Va.

Application April 15, 1935, Serial No. 16,519

6 Claims. (Cl. 47—41)



1. A ground-level cemetery vase comprising an outer casing, a vase support affixed to and extending part way up from the base of the outer casing, a cemetery vase of greater area than the vase support and adapted to rest thereon and invertible to a position in which its upper rim rests on the base of the outer casing, and a ring loosely encircling the vase and resting on the upper rim of the outer casing.

2,029,215

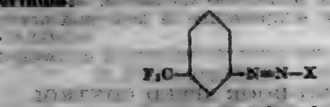
TRI-FLUORO-METHYL-PHENYL-AZO-DI-AMINO PYRIDINES AND PROCESS OF MAKING THE SAME

Max Engelmann, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 1, 1934, Serial No. 728,543

3 Claims. (Cl. 260—43)

2. The azo compounds obtainable by diazotizing meta-amino-tri-fluoro-methyl-benzene and coupling the same with an alpha-alpha'-di-amino-pyridine and which compounds have the formula:



in which X represents an alpha-alpha'-di-amino-pyridine.

2,029,216

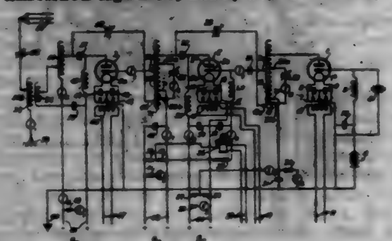
SYSTEM OF AMPLIFICATION OF ALTERNATING CURRENT

Louis A. Gebhard, Washington, D. C.

Application July 21, 1931, Serial No. 552,247

7 Claims. (Cl. 250—17)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A radio transmitter circuit including a piezo electric crystal controlled oscillator having an input circuit and an output circuit, a power amplifier the input circuit of which is adapted to receive energy transferred from said oscillator, means including a single inductance winding in said oscillator output circuit for coupling the same with said amplifier input circuit and for transferring energy to said amplifier, and means including a keying-circuit relay for changing the grid bias applied to said amplifier and for causing said amplifier to transmit code signals.

2,029,217

GAS MAKING APPARATUS

Jesse A. Guyer, Frederick E. Frey, and Walter F. Huppke, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

Application March 19, 1932, Serial No. 600,017

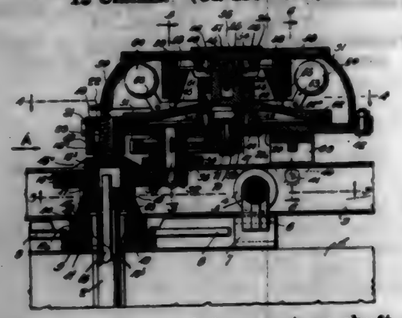
2 Claims. (Cl. 48—94)



1. Gas generating apparatus particularly adapted for use in connection with highly endothermic catalytic gas producing reactions, said apparatus comprising a combustion chamber, a radiant heating chamber adjacent to but separated from said combustion chamber, a reaction tube extending through said radiant heating chamber, said tube comprising spaced catalyst containing chambers and intermediate connecting conduits, said conduits being of such length as to enable the reaction mixture passing therethrough between catalyst chambers to absorb sufficient heat from said radiant heating chamber to enable the reaction to proceed, in part at

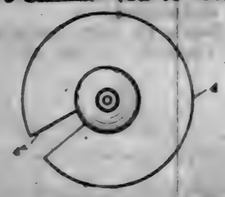
least, in said chambers, whereby excessive preheat temperatures of said reaction mixture may be avoided, and additional means for selectively controlling the temperature of said mixture in said conduits.

2,029,318
REVOLVING DOOR SPEED CONTROL
Thurlee M. Hagenbook, Evansville, Ind., assignor, by mesne assignments, to International Door Company, Evansville, Ind., a corporation of Illinois
Original application September 16, 1932, Serial No. 632,627. Divided and this application September 15, 1933, Serial No. 689,633
15 Claims. (Cl. 188—187)



1. In a speed control for a rotary shaft, the combination with a shaft rotatably mounted in a vertical position, a gear device driven by the said shaft, a speed control casing supported in a fixed position above said shaft, a driven gear journaled in said speed control casing and adapted to be meshed with the drive gear connected with the shaft, a plurality of control means within said speed control casing operated by said driven gear, and a friction brake within said speed control casing automatically and selectively actuated by said plurality of control means for applying a retarding load to the rotary shaft.

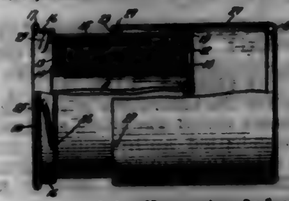
2,029,319
METER DISK
Frederick W. Hanks, Cleveland, Ohio
Application March 15, 1932, Serial No. 599,819
9 Claims. (Cl. 73—98)



1. In a device of the character described, a disk member, hemispherical members for mounting the same, resilient means for spreading said hemispherical members apart, and means for holding said disk-member and hemispherical members in assembly and providing adjustment of the spreading means.

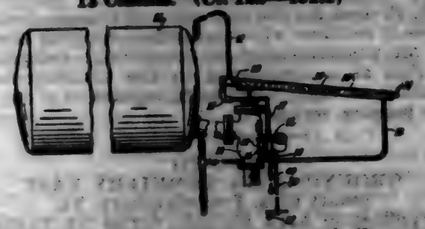
2,029,320
SPOOL AND PROTECTOR THEREFOR
Edmund Hoffman, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application February 20, 1931, Serial No. 517,220
4 Claims. (Cl. 206—52)

1. A spool and protector assembly, comprising a spool having fixed heads one of which is provided with an outside longitudinally extended cylindrical wall, a protecting shell open at both ends and adapted to enclose said spool, and having an edge turned back on itself adjacent one end thereof, and an interrupted screw thread



connection formed in the extended wall of said head and in the inner side of said turned back edge of said shell and effective upon rotation of said spool relative to said shell for locking said spool and shell together.

2,029,321
FEED WATER REGULATOR
William L. Hunter, Erie, Pa., assignor to Northern Equipment Company, Erie, Pa., a corporation
Application January 6, 1934, Serial No. 705,519
13 Claims. (Cl. 122—451.1)



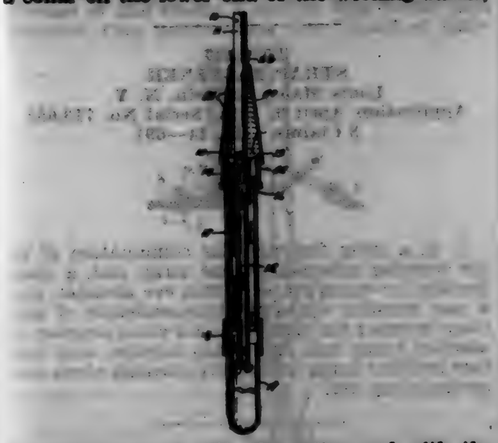
1. Apparatus for feeding water to boilers, comprising a feed-water valve, means responsive to the operation of the boiler for operating the valve, manual means for positioning the valve without any interference by the responsive means.

2,029,322
SYNTHETIC TANNING MATERIAL
Alphons O. Jaeger, Greentree, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 12, 1934, Serial No. 715,164
23 Claims. (Cl. 149—5)

1. A synthetic tanning agent of the sulfonated diarylmethane type in the production of which at least one reaction step has been carried out in the presence of a decolorizing absorbent, the synthetic tanning agent being characterized by a light color and by the property of producing lighter shades of leather when employed as a tanning agent or bleaching agent.

2,029,323
SAND SEPARATOR
David Jones, Iraan, Tex., assignor of one-half to F. E. King
Application February 27, 1934, Serial No. 713,178
1 Claim. (Cl. 183—236)

A gas anchor and sand separator comprising a container closed at its lower end, the upper end of the container having a spider formed with a central internally screw-threaded hub, a finely perforated head having a collar at its lower end for engagement with the upper end of the container, the hub being upwardly and inwardly conical and terminating in a collar adapted to fit around a working barrel, a working barrel extending thru the small upper end of the head, a collar on the lower end of the working barrel,



a nipple engaged with the collar and with the interior screw threads of the hub, and a pipe section engaged with the hub below the nipple and extending downward into the container, the pipe section being open at its lower end and terminating short of the lower end of the container.

2,029,324
APPARATUS FOR USE IN APPLYING PRESSURE TO SHOE BOTTOMS
Frank Kennison, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application April 26, 1934, Serial No. 725,537
43 Claims. (Cl. 12—33)



23. A pad box for use in applying pressure to shoe bottoms having, in combination, a pad comprising a fluid-filled vessel extending the full length of a sole and having a flexible wall for yieldingly supporting the forepart and shank portions of the sole, said vessel having also a flap integral with the flexible wall and overlying the rear portion of the vessel for supporting the heel portion of the sole, a casting for holding the flap yieldingly in sole-receiving position, gages mounted on the casting for positioning the heel portions of the sole and shoe relatively to each other on the pad, a cam for adjusting the casting heightwise to move the flap toward or away from the underlying portion of the vessel thereby positioning said flap for operating upon shoes having heels of different heights, said cam operating also to effect a corresponding heightwise adjustment of the positioning gages, and plates carried by the casting and movable longitudinally of the vessel for filling up all or a portion of the space created between the flap and the underlying portion of the vessel when said flap is moved away from said underlying portion.

2,029,325
COMPRESSION TUBING COUPLING
Edward H. Kocher, Bounton, N. J., assignor to Auto Research Corporation, a corporation of Delaware
Application December 17, 1930, Serial No. 502,990
11 Claims. (Cl. 285—122)



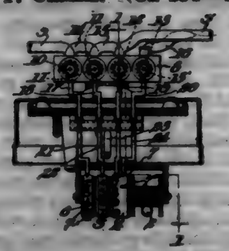
2. In a coupling arrangement including a pair of coupling elements and a pipe end, one of said members being provided with a socket carrying structure with an abutment to receive and stop said pipe end and the other taking the form of an annular nut body encircling said pipe end, said elements being firmly attached to each other by a threaded connection and each of said members being provided with opposite internal tapered coupling surfaces, the combination therewith, of a sleeve structure having opposed tapered surfaces tapered to a thin edge, one tapered surface engaging the corresponding tapered surface on one of the coupling members and the thin edge of the other tapered surface contacting with a more abrupt tapered surface on the other coupling member, said nut and said sleeve structure being provided with highly outwardly diverging contacting surfaces, the divergence being of such magnitude that upon deformation of the sleeve structure such deformation will not result in the sleeve expanding to wedge at the divergent surface of the nut.

2,029,326
COMBINATION POWER TOOL
Halford Lembke, Seattle, Wash.
Application August 6, 1934, Serial No. 738,725
11 Claims. (Cl. 255—41)



4. The combination in a power tool with a rotary driving member, and a reciprocable driven member, and pairs of balls revolvably seated in semi-spherical recesses in the adjoining faces of each member, whereby the rotary motion of the driving member is converted into reciprocating motion in the driven member.

2,029,327
AUTOMATIC LUBRICATING MECHANISM
Walter Maynard Lippincott, Lynbrook, N. Y., assignor to Potter, Pierce & Scheffler, a firm, Washington, D. C.
Application January 28, 1928, Serial No. 250,245
17 Claims. (Cl. 184—7)



1. In a lubricating device for automotive vehicles, in combination with a vehicle, means for

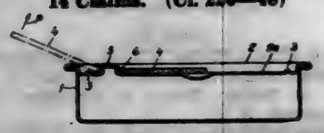
lubricating the chassis thereof, an odometer having indicating dials thereon, a plurality of serially arranged valves for periodically rendering said lubricating means operable, and means on said odometer dials for actuating said valves.

2,029,228
CONTAINER
Erik Ljungström, Lidingo-Brevik, Sweden, assignor to Aktiebolaget Transiteria, Stockholm, Sweden, a corporation of Sweden
Application February 9, 1933, Serial No. 655,893
In Sweden February 12, 1932
14 Claims. (Cl. 220—48)



1. A container having a wall portion to be displaced to provide the opening through which the contents of the container are to be removed, said wall portion being defined at least in part by a tearing line in the material of the container, an opening key, and attaching means pivotally mounting said key on said wall portion adjacent to said tearing line, said key having a position before use with the free end of the key inside the edge of the container and being pivotally movable to an operating position with a part of the key between the attached and the free ends thereof overlying a place of rupture in said tearing line and with the free end of the key outside the edge of the container, said attaching means being constructed and arranged to cause lifting of the material of said wall portion adjacent to said place of rupture upon lifting of the free end of said key when the key is in operating position, and said key being freely manipulable in said operating position by lifting of the free end of the key to break said tearing line at said place of rupture essentially by shearing.

2,029,229
DEVICE FOR OPENING CANS
Erik Ljungström, Lidingo-Brevik, and Olof August Olsson, Stockholm, Sweden, assignors to Aktiebolaget Transiteria, Stockholm, Sweden, a Swedish corporation
Application July 18, 1934, Serial No. 735,844
In Sweden October 21, 1932
14 Claims. (Cl. 220—48)



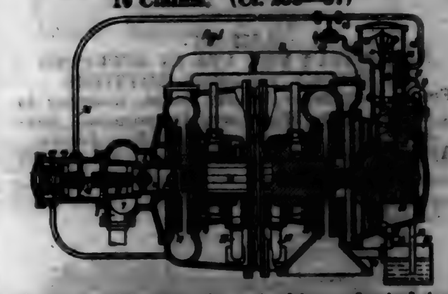
1. A container having wall material defined at least in part by a tearing line adapted to be ruptured and torn to effect opening of the container by displacement of said wall material, a tearing member and attaching means for said tearing member located adjacent to a place of rupture in said line, said attaching means being formed from that portion of said wall material that is displaceable by virtue of said tearing line and providing wall structure engaging the attached end portion of said tearing member to retain the tearing member in attached relation when it is in an operating position with a portion of the tearing member overlying said place of rupture and with the free end of the tearing member subjected to pull in a direction away from the container, said attaching means and the attached portion of said tearing member co-operating upon such pull of the free end of the tearing member to effect initial breaking of the tearing line at said place of rupture.

2,029,230
STRAP FASTENER
Louis Maas, Baldwin, N. Y.
Application April 9, 1934, Serial No. 719,653
8 Claims. (Cl. 24—69)



1. In a strap fastener, the combination of an eye member attached to one strap end, a clasp member co-operative with said eye member, and a cam member operating independently of said clasp member for clamping said clasp member to another strap end, said clasp member and said cam member being adjustably movable along said second strap end.

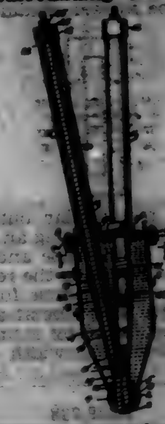
2,029,231
APPARATUS FOR REGULATING TURBO-MACHINES
Ulrich Meininghaus, Mulheim-Ruhr, Germany
Application May 17, 1932, Serial No. 671,641
In Germany June 1, 1932
10 Claims. (Cl. 253—57)



1. In combination in a turbine adapted to be impinged by an elastic fluid, a shaft, a plurality of stages of blade rows on said shaft adapted to cause successive acceleration of the working medium at full load by multiple expansion creating a plurality of pressure drops, and throttling means arranged in advance of some of the stages and operable to impart to the working medium a high velocity at partial load and to direct said medium at said high velocity into one of the turbine stages passing said medium at partial load, thereby producing at partial load a diminished number of pressure drops through the same number of stages as compared with operation at full load.

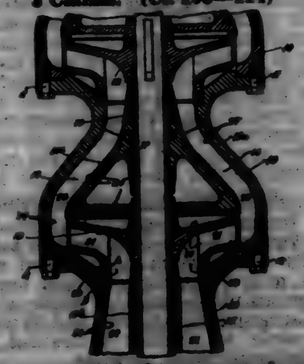
2,029,331
POTHEAD
Fred C. Meyer, Paterson, and George E. Moffat, East Paterson, N. J., assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application December 14, 1932, Serial No. 647,570
1 Claim. (Cl. 247—8)

A pothead construction for electric cables of the solid stranded conductor pressure type comprising in combination a casing, the lower end of which is secured to the enclosing pipe or sheath of the cable, said casing communicating with the interior of said cable sheath or pipe, a sealed cap for said casing, a pressure tube of insulating material secured to said cap, an insulated cable conductor received by said tube, said tube being sealed at the top and communicating with the interior of said casing, a barrier tube within said pressure tube surrounding the insulated cable



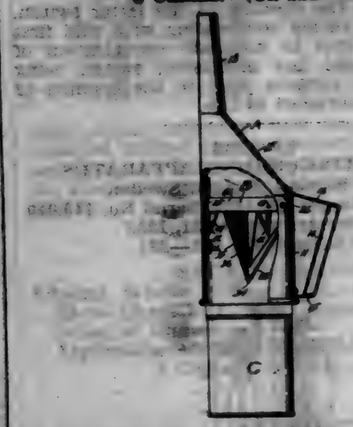
conductor, metal tape about the insulation of the conductor adjacent the lower part of said casing, a shielding cone about said tape, insulation about the lower end of said barrier tube terminating adjacent the upper end of said shielding cone, and a metal shield about said insulation, the lower end of said shield being in contact with said cone.

2,029,333
TURBINE WELL PUMP
De Mont G. Miller, San Marino, Calif., assignor to Johnston Pump Company, Los Angeles, Calif., a corporation of California
Application July 25, 1932, Serial No. 624,412
3 Claims. (Cl. 103—114)



1. In a deep-well turbine pump structure suitable for pumping water containing abrasive material from a well, the combination of: a casting forming a bowl element positioned in an inaccessible position in said well beneath the surface of said water and providing passages for conducting said water upward, portions of said passages being inaccessible for smoothing, said bowl element providing an impeller chamber, said impeller chamber and said passages being coated with porcelain fused directly to clean irregular surfaces of the casting to form a hard abrasive-resistant smooth surface guiding a high-velocity stream of said water; a shaft extending into said impeller chamber; and a casting forming an impeller in said impeller chamber and providing an upper shroud and a lower shroud and vanes extending therebetween to provide impeller passages relatively inaccessible for smoothing, the walls of said impeller passages being coated with porcelain contacting and fused directly to a clean irregular surface of the casting forming said impeller to form hard abrasive-resistant smooth surfaces through which said water moves at high velocity, the outer edges of said vanes and the exterior surface of said upper and lower shrouds being also coated by said porcelain adhering to clean irregular surfaces of said casting.

2,029,334
LIQUID DISPENSING DEVICE
Elmer L. Hall, Wheaton, Ill.
Application July 20, 1932, Serial No. 623,354
3 Claims. (Cl. 221—33)

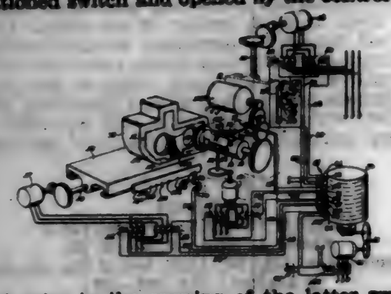


1. A liquid dispensing device, comprising in combination, a dispensing funnel adapted to move downwardly over and substantially enclose a sealed receptacle containing a liquid to be dispensed, and a cutter secured inside of said funnel and having cutting elements for cutting open the top end wall of the receptacle when said cutter and its funnel are forced down into and over said receptacle, said cutting elements tapering inwardly and upwardly from the side wall of said funnel into a common piercing apex disposed substantially centrally of the funnel, the liquid contents of said receptacle flowing through the opening so formed and into the said funnel when the latter is inverted.

2,029,335
CONTROL MECHANISM FOR MACHINE TOOLS
Alexander Oberhoffken and Hans Hanitz, Rockford, Ill., assignors to Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application April 1, 1933, Serial No. 663,894
3 Claims. (Cl. 172—239)

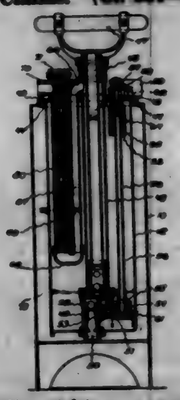
1. In a control mechanism for machine tools having a plurality of relatively movable supports, mechanism for causing a predetermined cycle of relative movements between said supports including an electric motor for driving one of said supports during one part of said cycle, a control element moved unidirectionally and at constant speed throughout said cycle, a switch responsive to relative movement between said supports and arranged to be open at the beginning of said

part, to be closed in the initial relative movement between said supports, and to be opened after a predetermined movement thereof, a switch actuated by said control element to cause energization of said motor independently of said first mentioned switch and opened by the control ele-



ment prior to the opening of the latter switch, and a second switch cooperating with said first mentioned switch to maintain energization of said motor, said last mentioned switch being closed by said element prior to the opening of said second mentioned switch.

2,029,336
FIRE EXTINGUISHING APPARATUS
Bror Pålsson, Malmo, Sweden
Application August 15, 1934, Serial No. 740,016
In Sweden August 21, 1933
6 Claims. (Cl. 261—28)



1. In fire-extinguishing apparatus of the character described and in combination, a portable receptacle having separate compartments to normally carry a relatively concentrated solution of a foaming agent and water respectively, a pump associated with said receptacle, and air intake pipe leading to the suction side of said pump and extending substantially to the bottom of said receptacle, and inlets for the liquid foaming agent and the water from the separate compartments of the receptacle to the suction side of the pump, said last mentioned inlets being arranged and connected with each other and with the air intake pipe near the bottom of the receptacle.

2,029,337
NOZZLE
William B. Parker, Placerville, Calif., assignor to California Spray-Chemical Corporation, Berkeley, Calif., a corporation of Delaware
Application November 21, 1932, Serial No. 643,563
4 Claims. (Cl. 299—140)

3. In apparatus of the character described, a conduit having an inlet end adapted to receive a high velocity stream of air, the discharge end of said conduit being flattened to form a narrow and substantially rectangular outlet, a tube disposed within the conduit and in longitudinal alignment therewith, the tube having an open inlet end adapted to receive a portion of the air stream, and being flattened at its discharge end in the same plane as said conduit is flattened to



form a narrow rectangular outlet of uniform width throughout, there being an air passage between both sides of the tube and the side walls of the conduit for receiving the remainder of the air stream, and a spray nozzle for introducing a spray of liquid into said tube at a distance from the discharge end, whereby a uniform spray is produced throughout the width of said nozzle.

2,029,338
INSPIRATING NOZZLE
William B. Parker, Placerville, Calif., assignor to California Spray-Chemical Corporation, Berkeley, Calif., a corporation of Delaware
Application October 31, 1934, Serial No. 750,756
6 Claims. (Cl. 299—142)

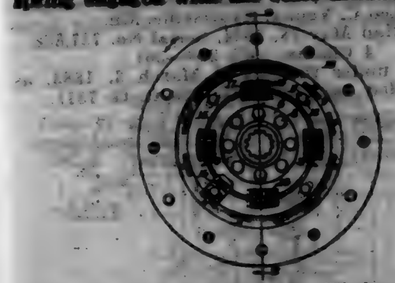


1. A nozzle of the character described, comprising a frame, an air nozzle supported in said frame, a Venturi nozzle supported in said frame and axially spaced from and aligned with said air nozzle, and a conduit for liquid terminating in said Venturi nozzle, said air nozzle adapted to inspirate atmospheric air into and through said Venturi nozzle to produce a floating, fog-like mist of air-borne liquid particles.

2,029,339
CLUTCH PLATE
Harold V. Reed, Chicago, Ill., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 13, 1933, Serial No. 506,253
15 Claims. (Cl. 192—68)

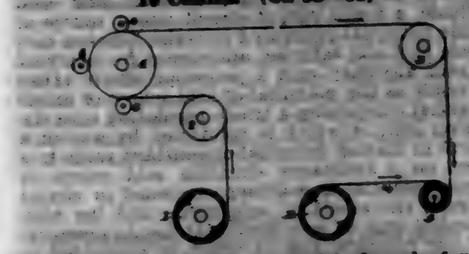
1. A clutch plate for friction clutches comprising a driving member and a driven member adapted for relative movement, and a plurality of springs operatively interposed under initial compression to form a cushion between said

members with one end of each spring engaged with one member and the other end of each spring engaged with the other member and co-



acting to produce initial equilibrium of all of said springs and with all of said springs adapted for engagement at each end with both of said members.

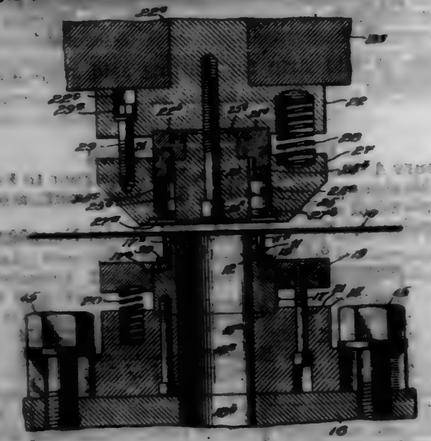
2,029,340
MANUFACTURE OF BAGS
Thomas M. Royal, Philadelphia, Pa.
Application July 28, 1933, Serial No. 681,275
10 Claims. (Cl. 93—35)



1. In the preparation of multi-ply webs for the manufacture of multiwall paper bags, producing a printed web in continuous lengths, associating therewith a web of transparent material in continuous lengths and in direct contact with said printed surface, and causing said transparent web to be maintained in fixed position with respect to said printed web for subsequent formation into multiwall bags by the application of adhesive to said printed web prior to the association therewith of the transparent web; said webs being laterally spaced with respect to each other with one edge of the paper web projecting beyond the adjacent edge of the transparent web and one edge of the transparent web projecting beyond the adjacent edge of the paper web.

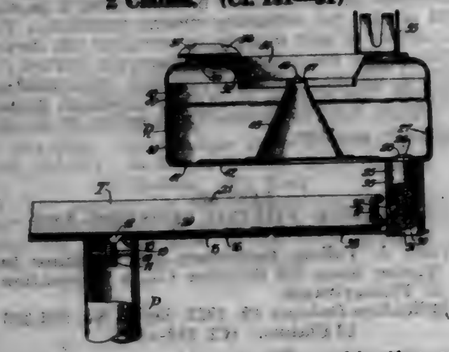
2,029,341
DIE MECHANISM FOR MOUNTING BUSHINGS
Fleck W. Sample and Robert D. Ross, Chicago, Ill., assignors to American Flange & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 18, 1932, Serial No. 612,118
8 Claims. (Cl. 153—3)

1. A unitary, single-stroke die structure for applying flanged bushings to a metallic wall which comprises a member having a tubular punch extension adapted to support a flanged bushing having a circular body surrounding said extension, a depressible bushing-positioning member surrounding said supporting member, a reciprocable punch member axially aligned with said punch extension, a depressible member surrounding said punch member and having a die surface corresponding to the shape of the bushing flange, and a curling anvil between said depressible member and said punch member spaced inwardly from the outer ends of the depressible member and punch member for curling the end of said bushing opposite its flange, whereby, at a single stroke a metallic wall interposed between



said punch extension and punch member is punched, formed around the body of said bushing and upon the flange of the latter and the end of the bushing is curled upon the wall formed thereround.

2,029,343
SMOKING STAND
Edward Schultz, Chicago, Ill., assignor to The Nagel-Chase Mfg. Co., Chicago, Ill., a corporation of Illinois
Application April 11, 1934, Serial No. 720,034
2 Claims. (Cl. 131—51)



2. In a smoking stand, the combination of a vertical support, a tray rotatably carried by the support centrally over the upper end thereof, a receiver above the tray, and a vertical pivotal mounting for the receiver on the support at a point beyond the tray whereby the receiver is free to swing horizontally to positions over or away from the tray.

2,029,343
MULCH AND METHOD OF USING THE SAME
Frederick W. Sperr, Jr., Vineland, N. J., assignor of one-fourth to Horace B. Cooke, Greenwich, Conn.
Application April 12, 1933, Serial No. 665,695
6 Claims. (Cl. 47—9)

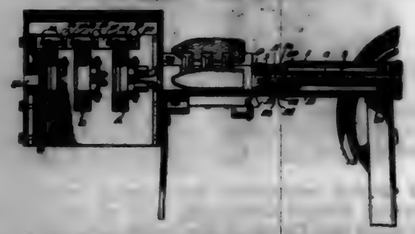
2. In combination, a strip of metal screening adapted to be laid as a mulch between rows of

growing plants and lever means attached to the



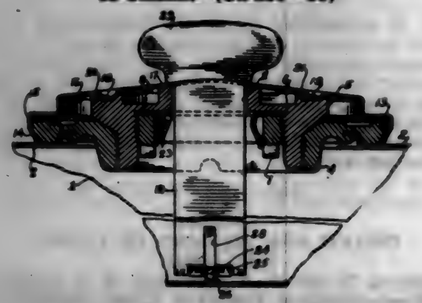
ends of said strip for shifting said strip longitudinally.

2,029,344
GREEN CORN CUTTER
Henry A. Sheiden, Buffalo, N. Y., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application December 14, 1931, Serial No. 580,981
8 Claims. (Cl. 130—9)



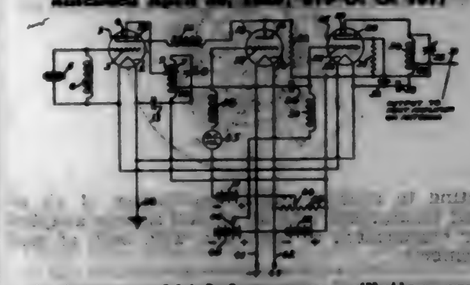
1. A machine for removing kernels from the cobs of green corn comprising kernel removing means, ear feed means consisting of an intermittently reciprocating member comprising a tubular member and a plunger movable through said tubular member, and a yielding member holding the plunger retracted within the tubular member, means for moving said associated members in unison for moving a positioned ear into said kernel removing means, means for stopping movement of said tubular member after a partial feed stroke the actuating means continuing the movement of said plunger to complete the movement of the ear entirely through the kernel removing means, and compressing said yielding member, the release of said compression acting to replace said reciprocating member to its inoperative position.

2,029,345
COMBINED FILLING CLOSURE AND GAUGE ROD
Frank A. Talbot, Baltimore, Md., assignor to Quaker State Oil Refining Co., a corporation of Pennsylvania
Application October 19, 1933, Serial No. 694,356
13 Claims. (Cl. 220—86)



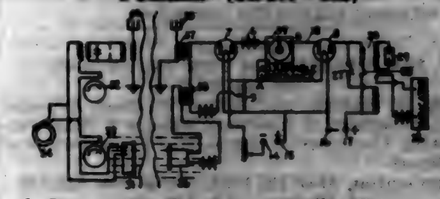
1. A tank, a filling neck fixed thereon, a closure plug detachably connected to said neck, a seal covering said neck and plug, said seal and plug being provided with registering slots to receive a gauge rod.

2,029,346
OSCILLATOR
Albert Hoyt Taylor, Washington, D. C., and Lee C. Young, Hyattsville, Md.
Application May 28, 1934, Serial No. 727,838
4 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A source of high frequency oscillations comprising an electron tube having a cathode, an anode, a control grid and an auxiliary grid element, frequency determining means connected between said control grid element and said cathode, a tuned output circuit and a source of anode potential connected in series between said anode and said cathode, and means for applying to said auxiliary grid a potential which varies inversely as the potential of said source of anode potential comprising a triode regulating tube the control grid of which is connected by way of a source of biasing potential of constant value to a point on a resistance shunting said source of anode potential, a resistance included in circuit between the anode of said triode and the high potential side of said source of anode potential the low potential side of which is connected to the cathode of said triode, and an inductive connection between said auxiliary grid and the anode of said triode.

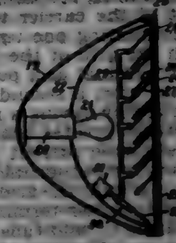
2,029,347
MEANS AND METHOD OF DISTANCE FINDING
Edwin K. Turner, Jr., West Roxbury, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Original application September 26, 1927, Serial No. 220,719. Divided and this application August 2, 1929, Serial No. 382,695
4 Claims. (Cl. 177—352)



1. In a system for measuring the distance with the aid of radio and submarine compressional waves sent simultaneously and repeatedly from a sending station, a receiving system including a radio and submarine receiver, a receiving circuit, means for impressing said signals upon the same receiving circuit said receiving circuit including a plurality of vacuum tubes having adjustable impedance means coupled between vacuum-tube stages for delaying the recovery of the tube connected in circuit after said impedance means following the operation of the circuit by the signal, an indicator operably connected in the output of said receiving circuit,

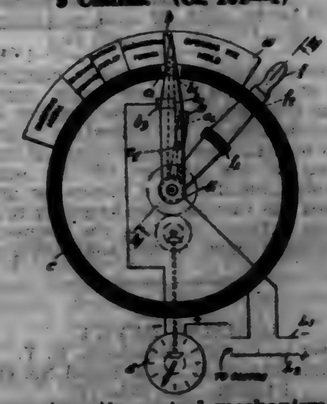
and a scale for indicating distance whereby after initial operation of the indicator said impedance may be adjusted so that the second signal will just not operate said indicator.

2,029,348
HEADLIGHT SYSTEM
John W. Van Denburg, White Plains, N. Y.
Application May 16, 1934, Serial No. 725,865
7 Claims. (Cl. 240—43)



1. A lighting system for use on vehicles which comprises a source of light on the vehicle, reflector means for directing light rays from said source to form a relatively narrow beam and swinging said beam back and forth, a screen disposed across the path of vision of an observer of objects illuminated by said beam, said screen including transparent and non-transparent areas arranged alternately in a row, and means oscillating said screen lengthwise of said row in synchronism with said beam.

2,029,349
AUTOMATIC CONTROL MECHANISM
Karl Friedrich Wagner, Stuttgart, Germany, assignor, by mesne assignments, to Magnesium Development Corporation, Newark, N. J., a corporation of Delaware
Application February 23, 1932, Serial No. 594,759
In Germany February 25, 1931
5 Claims. (Cl. 161—1)



1. An automatic control mechanism comprising driving means, main operating means, a clutch adapted to couple said driving means with said main operating means, means for electrically actuating said clutch, means for shutting off the current supply to said clutch-actuating means when a predetermined position of said main operating means has been attained, a contact member adapted to perform a movement of predetermined speed and duration, electrically actuated means adapted to cause such movement, means for restoring the current supply for actuating the said clutch at the termination of the movement of said contact member, and means adapted to establish the current supply to said movement-causing means incidentally with the shutting off of the current supply to said clutch-actuating means, said last-mentioned current-establishing means being adapted to shut off the current supply to said movement-causing means incidentally with the restoration of the current supply to said clutch-actuating means.

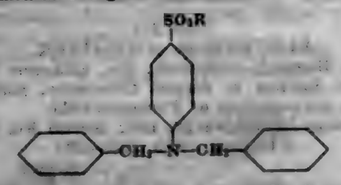
2,029,350
PROCESS OF TREATING SILK AND SILK PRODUCTS
Leo Wallerstein, Thomas Hawley, and Rowland A. Gale, New York, N. Y., assignors to Wallerstein Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 19, 1932, Serial No. 606,256
9 Claims. (Cl. 8—3)

1. The process of treating raw silk coated or covered with its natural gum, so that its gum may be more readily removed subsequently, which process consists in impregnating the silk with a protease preparation, and drying the impregnated silk without removal of any substantial amount of the silk gum.

9. As a new article of manufacture, a substantially dry silk containing substantially all of its gum which silk has been impregnated with a gum modifying proteolytic enzyme preparation and which silk possesses substantially the appearance and weaving properties of untreated silk containing its natural gum, which impregnated gum is in such modified form that it can be substantially and readily removed by treatment with hot water.

2,029,351
DYEING PROCESS
Alec Wormald, Blackley, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 20, 1934, Serial No. 731,571. In Great Britain June 26, 1933
4 Claims. (Cl. 8—6)

1. The process for the application of sulfuric ester salts of leuco vat dyestuffs to textiles, which comprises the addition to the ester salts of a compound of the general formula

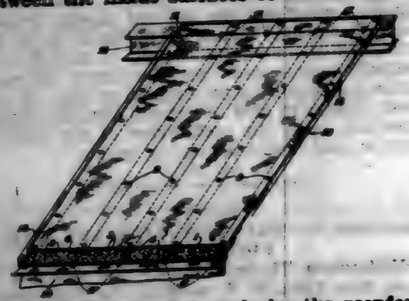


where R stands for an atom or radical conferring solubility in water, said compound being free of the corresponding salt of mono-benzyl-sulfanilic acid.

2,029,352
REENFORCED INSULATING ROOF SLAB
Charles J. Beckwith, Brooklyn, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application April 15, 1932, Serial No. 606,367
7 Claims. (Cl. 108—1)

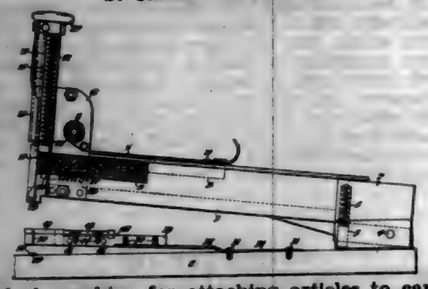
1. A panel comprising an inwardly disposed thermal insulating member, stone-like facing units juxtaposed on each side of the insulating

member, and spaced reenforcing bars extending between the inside surfaces of the facing units,



the insulating member and also the reenforcing bars being secured to the facing units.

2,029,253
MACHINE FOR ATTACHING ARTICLES TO OTHER OBJECTS
Herbert A. Bickford, Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine
Application August 10, 1934, Serial No. 739,274
27 Claims. (Cl. 1—3)



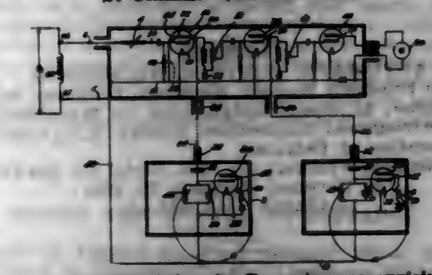
1. A machine for attaching articles to cards and other objects comprising means movable to engage the article to position it on the object, and means acting at right-angles to the plane of movement of the positioning means for applying a fastener to attach the article to the object, said positioning means acting to guide the fastener into place with respect to the article.

2,029,354
ELECTRICAL AMPLIFIER
Paul N. Bossart, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 30, 1932, Serial No. 649,571
9 Claims. (Cl. 250—20)



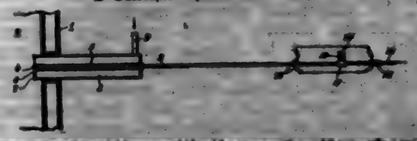
5. In combination, a first amplifier including an electron tube having a plate, a grid and a cathode for amplifying in its plate circuit a carrier telephone current supplied to its grid circuit; a detector, means to couple the input of said detector to the plate circuit of the first amplifier for producing in its output a voice frequency telephone current corresponding to the modulation of the carrier telephone current; a second amplifier including an electron tube having a plate, a grid and a cathode, means to couple the grid circuit of said second amplifier to the output of the detector for amplifying in its plate circuit the voice frequency telephone current; a first copper oxide rectifier characterized by having a rapidly falling resistance for voltages greater than that of the carrier telephone current, means for connecting one terminal of said first rectifier with the grid of the first amplifier tube and its other terminal at a point effectively the cathode of said tube, a second copper oxide rectifier characterized by having a rapidly falling resistance for voltages greater than that of the voice frequency telephone current passed by the detector, and means for connecting one terminal of said second rectifier with the grid of the second amplifier tube and its other terminal at a point effectively the cathode of said tube, whereby the telephone voltages are amplified at substantially full amplifying power of said first and second amplifiers and unusual random voltages are amplified at a much reduced ratio.

2,029,355
ELECTRIC METER
Edward Lindley Bowles, Wellesley Farms, Mass.
Application October 13, 1928, Serial No. 309,360
27 Claims. (Cl. 175—183)



1. A vacuum-tube A. C. meter comprising a plurality of coupled vacuum tubes, means for connecting the vacuum tubes to a source of voltage to be measured, an indicating instrument connected in the output circuit of one of the tubes for measuring the voltage of the source, a vacuum-tube amplifier, and means for detachably coupling the vacuum-tube amplifier to a first-named tube without affecting the connection of the first-named tubes to the connecting means.

2,029,356
IGNITING DEVICE
Iver G. Carlsen, Rosebank, N. Y.
Application August 21, 1933, Serial No. 687,556
1 Claim. (Cl. 158—10)



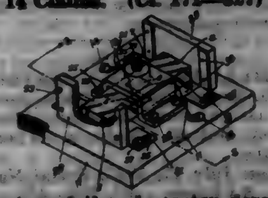
The combination with the combustion chamber of a furnace and means for supplying fuel thereto, of an ignition tool for said furnace comprising a relatively long ignition pipe having its open forward end adapted to be inserted into the furnace chamber; an air valve mounted upon said ignition pipe at the rear end thereof and comprising a valve body for closing the rear end of the ignition pipe, a valve chamber upon said valve body in communication with said ignition pipe, a gravity check valve in said valve body and a perforated dust cap enclosing said check valve body, a pair of spark plugs mounted in said ignition pipe, a gas supply pipe extending into said ignition pipe and terminating therein adjacent the said spark plugs, a gas control valve in said gas supply pipes and means operable upon the manipulation of said gas control valve for opening and closing an electric circuit to the said spark plugs.

2,029,357
FLUID FLOW CONTROL DEVICE
William A. Claypat, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 12, 1934, Serial No. 742,517
6 Claims. (Cl. 138—190)



1. A fluid flow control device for a passage in a hydraulic shock absorber, comprising in combination, two valves one supported by the other, the one adapted to provide for a fluid flow through said passage in one direction the other valve adapted to provide a divided flow of fluid in the opposite direction; and a thermostatically controlled device for regulating the one of said divided flows of fluid in response to temperature changes.

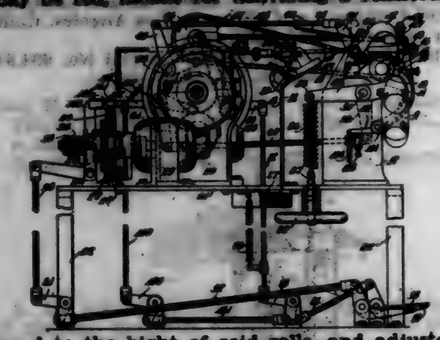
2,029,358
ELECTROMECHANICAL VIBRATOR
James Kilton Clapp, Auburndale, Mass., assignor to General Radio Company, Cambridge, Mass., a corporation of Massachusetts
Application June 30, 1932, Serial No. 618,416
14 Claims. (Cl. 171—327)



3. Apparatus of the character described comprising a piezo-electric crystal having electrodes integral therewith on opposite sides thereof, two oppositely disposed holding members between which the body is held against bodily movement out of a predetermined position, means for suppressing supersonic radiation from the vibrator including baffles adjacent to the ends of the crystal, and means for adjusting the baffles.

2,029,359
APPARATUS FOR SHIRRING RUBBER ARTICLES
Arthur E. Collins, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 28, 1934, Serial No. 721,497
18 Claims. (Cl. 154—30)

1. Apparatus for shirring a margin of a rubber article and simultaneously applying a band thereto, said apparatus comprising a pair of separable shirring rolls between which the article may be fed, means for delivering a reinforcing



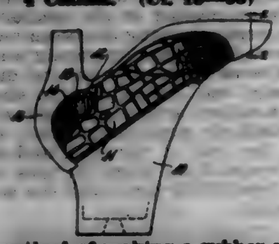
band to the bight of said rolls, and adjustable cam means for automatically separating said rolls when the shirring of the article is complete.

2,029,360
HEAT RECOVERY SYSTEM
Dion Kanouse Dean, Rahway, N. J., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application August 23, 1935, Serial No. 37,447
14 Claims. (Cl. 92—2)



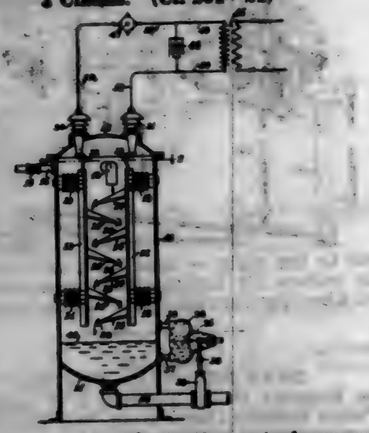
1. A heat recovery system comprising a digester, means for withdrawing steam and vapors from said digester, means for condensing the steam and vapors, and means for recovering heat in the form of low pressure steam from said steam and vapors.

2,029,361
METHOD OF PRODUCING SURFACES OF COMMINUTED MATERIAL
Alvin L. Diller, Belmont, and Leslie H. L'Hollier, Waltham, Mass., assignors to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application June 8, 1934, Serial No. 729,724
4 Claims. (Cl. 18—58)



1. The method of making a rubber article having a surface of comminuted material which comprises depositing upon a support a layer of adhesive liquid comprising a coagulant for rubber, depositing thereupon a layer of comminuted material, depositing upon the latter in adhesion therewith a layer of rubber at least a portion of which is coagulable, and removing the layered structure from the support.

2,029,362
ELECTRIC DEHYDRATOR
Lyle Dillon, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application October 23, 1933, Serial No. 694,837
3 Claims. (Cl. 204—24)



1. A process for dehydrating petroleum emulsions which comprises supplying emulsion to be treated to the surface of an electrode, allowing the said emulsion to fall freely from said electrode and impinge upon a second electrode, establishing an edge discharge from said first mentioned electrode in the direction of flow of said emulsion and maintaining an intense electric field between said electrodes and subjecting said falling stream of emulsion to the high potential gradient resulting from said electric field.

2,029,363
MECHANICAL HAMMER
Robert Rex Downie, Beaver Falls, Pa.
Application March 27, 1933, Serial No. 663,039
Renewed May 14, 1935
12 Claims. (Cl. 262—14)



9. In combination, a machine for providing power; a boom pivoted on the machine to swing vertically; means to swing the boom horizontally; a stick pivoted to swing vertically on the outer end of the boom; a power-actuated line for lifting the boom and supporting the stick in outreaching position; and a blow-delivering maul body of relatively great mass rigidly secured on the outer, free end of the stick and adapted to strike downward blows when the stick is extended outwardly beyond the boom and the boom lifting line is released.

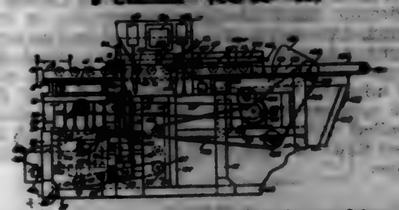
2,029,364
PLUMB GAUGE
John Fabien Duby, Boston, Mass.
Application February 23, 1932, Serial No. 594,515
4 Claims. (Cl. 33—203)

1. A device for testing wheel cant including a hollow body portion, elongated gauge head supporting members connected to said body, gauge head units adapted to be held in a predetermined position on said supporting members, indicating means pivotally supported within said body portion, said means comprising a weighted pointer



and a scale member, a pivot shaft for said pointer, said shaft being positioned to one side of the center of gravity with respect to the pointer member, in order that the proportions of said body portion may be minimized.

2,029,365
CONCRETE BLOCK MACHINE
Louis Gelbman, Yonkers, N. Y.
Application December 9, 1930, Serial No. 501,629
9 Claims. (Cl. 25—41)



1. A mold for a concrete block machine, comprising members for forming the outsides of the blocks, cores for forming the inner sides of the blocks, and elements connecting said members and cores and having knife shaped upper edges so that material to be molded will not remain thereon and cause pallets placed in the mold to assume untrue positions.

2,029,366
SOLID LUBRICATING MATERIAL
Harvey D. Geyer, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 17, 1933, Serial No. 680,740
5 Claims. (Cl. 247—47)

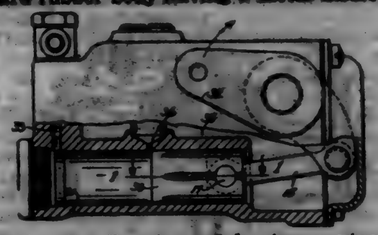


1. A flexible lubricating strip for interposition between spring leaves, comprising: a fabric strip having a cushion layer of resilient non-metallic material on one surface thereof and a coating of dry lubricant bonded to the other surface thereof.

2,029,367
COMPOSITE RUBBER PISTON
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 2, 1934, Serial No. 736,178
5 Claims. (Cl. 103—225)

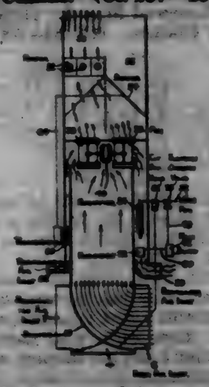
1. A one-piece unitary piston for a hydraulic brake cylinder, comprising: an integrally molded

flexible rubber piston head and hard rubber body, said hard rubber body having a metal insert vul-



canized in situ therein and having a pivot attachment means for connection to a connecting rod.

2,029,368
METHOD AND APPARATUS FOR CONDITIONING AIR
George B. Goldthwaite, South Easton, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Mass., a corporation of Massachusetts
Application December 15, 1931, Serial No. 581,174
3 Claims. (Cl. 257—126)



1. The method of supplying conditioned air to an enclosure which consists in continuously withdrawing air from the enclosure, selectively adding thereto either air withdrawn from the enclosure or fresh air, controlling the humidity of the total air by adding moisture to only said first-mentioned withdrawn air and only when fresh air is to be added thereto, and delivering the entire air to the enclosure.

3. Unit air conditioning apparatus having, in combination, a casing having a main fresh air inlet and a main recirculated air inlet, means for selectively opening one of the inlets, an auxiliary recirculated air inlet, means responsive to the position of the inlet opening means for humidifying the air admitted through the auxiliary inlet when the fresh air inlet is open, means for cutting off humidification of the auxiliary air when the fresh air inlet is closed, and means for heating both portions of the air.

2,029,369
MONOLITHIC CEMENTITIOUS PIPE
Eric P. Halliburton, Los Angeles, Calif.
Application October 10, 1933, Serial No. 692,925
5 Claims. (Cl. 138—66)



1. A pipe comprising a monolithic cementitious body, a metallic liner, a casing, and a plurality of non-metallic elements embedded in the cementitious body and extending from the liner to the outer surface of said body to said casing.

2,029,370
CUSHIONING STRUCTURE
Carl H. Heidenbrand, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 6, 1933, Serial No. 659,654
10 Claims. (Cl. 5—351)



1. An upholstery unit comprising a plurality of resilient members extending in crossed relation through said unit, said members comprising reticulated fibrous sheet material formed of resilient fibers held together at their crossing positions to form sheet material looped in sinuous folds, said members being of reduced resilience in zones thereof to provide determinately different resistance to compression in different portions of the unit.

2,029,371
ARTICLE OF FOOTWEAR AND METHOD OF PRODUCING SAME
Walter R. Hickler, Weston, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application June 27, 1934, Serial No. 732,651
4 Claims. (Cl. 36—32)



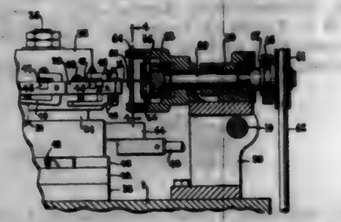
1. An article of footwear comprising a flexible but inextensible rubber tread member containing a high proportion of fibers, said tread member having on its exposed surfaces a layer of wax through which said fibers extend, said layer of wax and extending fibers being burnished to closely resemble sole leather.

3. The method of producing a rubber article resembling leather which comprises mixing fibers and rubber to form a vulcanizable composition, vulcanizing the composition, buffing a surface of the resulting article to depress the rubber below the ends of the fibers, filling the interstices between the projecting fibers with a wax, and burnishing the resulting surface to lay the fibers along the surface.

2,029,372
ROLLER ATTACHMENT
Alfred Hofmann, Palisade, N. J., assignor to Alfred Hofmann Needle Works, Inc., Union City, N. J., a corporation of New Jersey
Original application June 20, 1934, Serial No. 731,446. Divided and this application February 26, 1935, Serial No. 7,259
2 Claims. (Cl. 90—23)

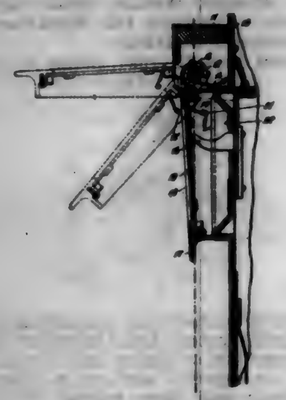
1. In a machine for processing the end of a knitting needle the combination comprising a

support having bearings therein, a shaft slidably and rotatably mounted in said bearings, said support including a housing enclosing one end of said shaft, a plurality of rollers rotatably mounted on the end of the shaft within said housing, a cover plate closing the housing, a work piece guiding



member mounted on the cover plate, means for causing rotation of said shaft in said bearings, and means for effecting reciprocation of said shaft in said bearings as it revolves, said guide serving to introduce a work piece between said rollers.

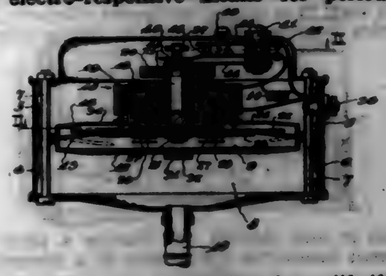
2,029,373
FIRE ALARM BOX DOOR
Paul P. Herni, Newark, N. J.
Application October 18, 1930, Serial No. 489,686
3 Claims. (Cl. 177—372)



1. In a fire alarm box, the combination of a frame having a handle for operating an alarm, a movable panel in front of the handle, an apertured flap bearing on one surface thereof visible indicia pertaining to the operation of the handle, a pivot on the frame above the handle for one side of the flap, the opposite side of the flap being supported in suspended position against the panel with the aperture therein in registry with the handle, whereby the flap swings downwardly by gravity over the handle about its pivot to display its indicia when released by movement of said panel.

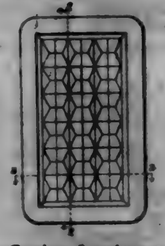
2,029,374
ELECTROMAGNETIC PUMP
Junius W. Hemsley, Toledo, Ohio
Application November 20, 1934, Serial No. 753,874
12 Claims. (Cl. 230—55)

1. Fluid pumping apparatus comprising a chamber, means for periodically expanding and contracting said chamber, means providing a passageway communicating with the interior of the chamber, a valve controlling said passageway, and electro-responsive means for periodically



actuating the valve in synchronism with the periodic expansion and contraction of said chamber.

2,029,375
REFLECTOR
Cleveland A. James, Philadelphia, Pa., assignor to W. P. Montgomery, Atlantic City, N. J., and John M. Zerbey, Philadelphia, Pa.
Application February 16, 1931, Serial No. 518,248
Renewed May 22, 1935
12 Claims. (Cl. 88—78)



1. A triple reflector having one surface in the form of an isosceles right triangle, the other two surfaces being trapezoids, and each of the surfaces being at right angles to each other.

2,029,376
METHOD FOR MAKING A CATALYST
Henry Joseph, Rosedale, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application March 13, 1931, Serial No. 523,162
19 Claims. (Cl. 23—234)

1. The method of preparing a vanadium catalyst which comprises forming a mixture of a finely divided carrier and an organic gum, adding to the mixture a solution of a vanadium compound, and then heating the mass so formed to oxidize the organic material contained therein and to produce a vanadium catalyst.

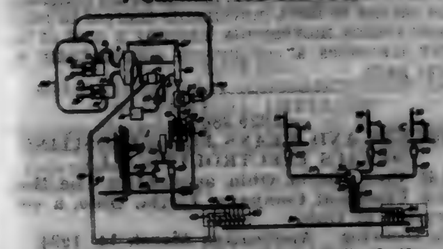
2,029,377
DECORATIVE PATENT LEATHER AND METHOD OF MAKING THE SAME
Benjamin J. Kaplan, Brookline, Mass.
Application October 19, 1934, Serial No. 747,767
11 Claims. (Cl. 41—33)



10. As a new article of manufacture, decorative patent leather comprising leather having the usual patent surface coating thereon with a decorative discontinuous layer of contrasting color incorporated in such coating.

11. That method in making patent leather having a decorative surface patent coating comprising as steps the providing of the tanned leather with a background layer of predetermined substantially uniform color, baking said layer, applying to said background layer a discontinuous layer of contrasting color to form a pattern layer, applying a coating of japanner's varnish, and baking and sunning the leather to form the patent coating with the design incorporated thereon.

2,029,378
STEERING MECHANISM
Charles V. Keens, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 27, 1933, Serial No. 691,171
7 Claims. (Cl. 103—52)



1. In a device of the class described, the combination with a pump, of means for regulating the discharge of said pump including a reciprocable member and a differential gear, resilient means interposed between said differential gear and said member, projections extending laterally from said member, a yoke having cam faces thereon adapted to engage said projections, a fluid motor for actuating said yoke against the tension of said resilient means when the pressure developed by the pump exceeds a predetermined value, to reduce the stroke of the pump, one or more springs for resisting the operation of said fluid motor, a bracket mounting for said springs, means including a lever operatively connecting said springs to said yoke, and means for adjusting said springs.

2,029,379
METHOD OF MAKING ORNAMENTED RUBBER ARTICLES
Leslie H. L'Hollier, Waltham, and Alvin L. Diller, Belmont, Mass., assignors to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application February 27, 1934, Serial No. 713,166
3 Claims. (Cl. 18—58)



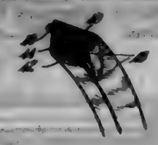
3. The method of producing an ornamented rubber article which comprises ejecting liquid dispersed rubber from a nozzle onto a supporting surface to form a gossamer design, depositing thereupon a layer of rubber of a contrasting appearance and removing the said layer with the rubber of the design adhered to the surface thereof.

2,029,380
APPARATUS FOR AND METHOD OF CEMENTING WELLS
Sanford E. Manning, Houston, Tex., assignor to The R. S. M. Company, Inc., Houston, Tex., a corporation of Texas
Application August 11, 1930, Serial No. 474,449
15 Claims. (Cl. 166—21)



11. A method of setting screen pipe in wells comprising pumping a plurality of spaced superposed charges of cementitious material downwardly through the casing, discharging one of said charges at the lower end of said screen and then discharging the next superposed charge at the upper end of said screen.

2,029,381
ENDLESS BELT
Allan B. Merrill and George H. Stewart, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 30, 1932, Serial No. 608,488
8 Claims. (Cl. 74—234)



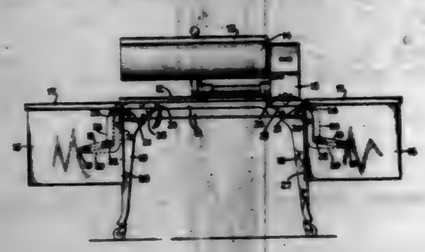
6. An endless, V-type transmission belt comprising a resilient rubber body portion, a pair of flexible cabled core elements embedded therein at the neutral zone of the belt, and a textile cover enclosing the rubber body.

2,029,382
PROCESS FOR PRODUCING HIGH MOLECULAR WEIGHT COMPOUNDS FROM PETROLEUM OIL
David R. Merrill, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application November 20, 1933, Serial No. 698,578
8 Claims. (Cl. 196—13)

1. A process for the production of high molecular weight hydrocarbons which comprises com-

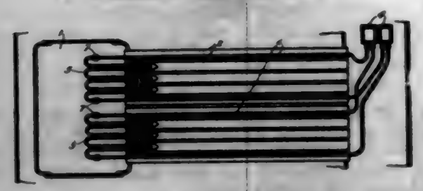
mingling a cracked residuum pitch with a solvent capable of dissolving high molecular weight hydrocarbons from said pitch but to leave an insoluble residue, separating a solvent solution of high molecular weight hydrocarbons from the insoluble residue, commingling said high molecular weight hydrocarbons with an aromatic solvent, treating said high molecular weight hydrocarbons and aromatic solvent with acid and separating said aromatic solvent from said acid treated high molecular weight hydrocarbons.

2,029,283
IRONING MACHINE
Charles E. Mergenstern, Binghamton, N. Y., assignor to Nineteen Hundred Corporation, Binghamton, N. Y., a corporation of New York
Application November 12, 1934, Serial No. 752,614
9 Claims. (Cl. 68—9)



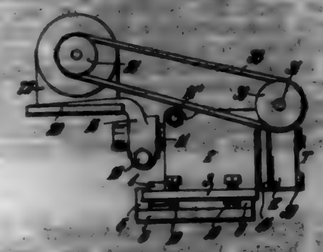
1. In a machine of the class described a main support, a cover member, and means connecting said support and member arranged to permit movement of said member from a position above said support to a position with its top at substantially the level of the top of said support and beyond the ends of the same, said means comprising a pair of links connected at fixed pivots to said support and member and maintaining the top of said member constantly horizontal.

2,029,284
SUPERHEATER
Heinrich Peperkorn, Kassel-Wilhelmshohe, Germany, assignor to The Superheater Company, New York, N. Y.
Application December 14, 1934, Serial No. 757,433
In Germany February 7, 1934
4 Claims. (Cl. 122—462)



1. In apparatus of the class described, the combination of a return tubular boiler having a return chamber, a smoke box and smoke tubes connecting them, superheater headers in the smoke box, tubular superheater elements in the return chamber, each of said superheater elements comprising a plurality of parallel hair pin loops connected to form a continuous steam path, the loops each located in part in the return chamber and in part in the smoke tubes, and tube lengths, two to each superheater element, extending through smoke-tubes and connecting the ends of the elements to the headers.

2,029,285
MACHINE TOOL
Julian L. Perkins, West Springfield, Mass.
Application January 19, 1935, Serial No. 2,544
12 Claims. (Cl. 82—1)



1. A machine of the class described comprising in combination, a support, a tool carrier slidable therein, means to impart a rotary movement to one end of said carrier and means at the other end of the carrier to limit movements thereof to rocking and sliding movements whereby a part of the carrier traverses a continuous substantially elliptical path.

2,029,286
PROCESS AND MEANS FOR DEPOSITING METALS ELECTROLYTICALLY
Paul R. Pine, Elyria, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
No Drawing. Application March 14, 1934, Serial No. 715,481
20 Claims. (Cl. 204—1)

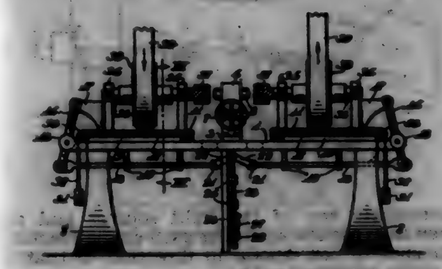
2. An electro-deposition bath, comprising a solution providing ions of the metal to be deposited by electrolysis and a sulphuric acid reaction product of an oleoresin, said reaction product being pre-formed outside the bath.

2,029,287
METHOD AND MEANS OF ELECTRO-DEPOSITION
Paul R. Pine, Elyria, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
No Drawing. Application May 4, 1934, Serial No. 723,267
12 Claims. (Cl. 204—1)

1. An electro-depositing bath, comprising a solution of a compound of a metal to be deposited by electrolysis, and a sulphuric acid reaction product of an organic compound having substantially a terpenic type nucleus, said reaction product having been pre-formed.

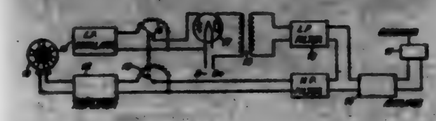
2,029,288
HEAD SHAPING MACHINE
Thomas A. Richardson, Verona, and Charles W. Dawson, Oakmont, Pa., assignors to Woodings-Verona Tool Works, Verona, Pa., a corporation of Pennsylvania
Application June 30, 1934, Serial No. 733,368
1 Claim. (Cl. 90—14)

A machine for shaping the ends of spike maul heads, comprising a bed plate, a pair of carriages slidably mounted thereon for movement toward and away from each other, a chuck mounted on the bed plate between the carriages for supporting a spike maul head, a milling cutter journaled in each carriage adjacent an end of said head, means for driving the cutters, a lever fulcrumed on each end of the bed plate and pivoted to the adjacent carriage, a pedal, means connecting the pedal to each lever for rocking the levers when the pedal is depressed and simultaneously moving the carriages toward each other to thereby



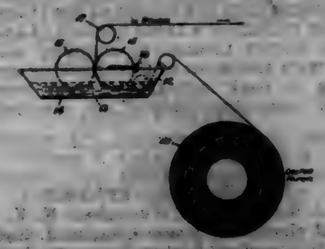
bring the cutters into cutting engagement with the opposite ends of the maul head, and means for automatically moving the carriages away from said head when the pedal is released.

2,029,289
RECORDING AND REPRODUCTION OF ELECTRICAL IMPULSES
Abraham Ringel, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 1, 1933, Serial No. 654,667
21 Claims. (Cl. 179—100.1)



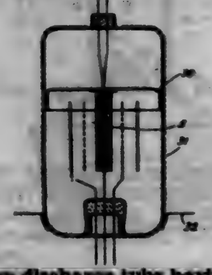
1. The method of sound recording and reproducing which includes superimposing on the audio impulses a control current of inaudible frequency, raising the level of said control current when the volume of said impulses is relatively low and lowering said level when said volume is relatively high, reproducing said current and impulses, and controlling the volume of said reproduced impulses in accordance with said reproduced current.

2,029,290
WATERPROOFED PLASTIC PAPER AND METHOD OF PRODUCING THE SAME
Earle V. Rodgers, Kenilworth, N. J.
Application June 8, 1933, Serial No. 674,822
4 Claims. (Cl. 91—68)



1. The method of producing a waterproofed plastic product, which comprises treating creped paper with a non-aqueous solution containing a pigment and a stearate and an organic solvent.

2,029,291
ELECTRON DISCHARGE TUBE
Hans Otto Rosenstein, Wolfgang Kautter, and Horst Rothe, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 28, 1934, Serial No. 732,774
In Germany July 5, 1933
1 Claim. (Cl. 250—27.5)



An electron discharge tube having an envelope, an indirectly heated cathode positioned within said envelope and having a sleeve closed at one end, a heater extending within said sleeve and provided with leads extending thru one end of said envelope, concentric electrodes surrounding said cathode sleeve, leads from said cathode and said concentric electrode extending thru the opposite end of said envelope from said heater leads, a shield extending transverse of the envelope into proximity of the envelope, and electrically connected to said cathode sleeve, a metallic coating on the outside of said envelope capacitively connected to said transverse shield and a transverse shield exterior of and adjacent the end of the envelope thru which the leads from said cathode and said concentric electrode extend and electrically connected to said outside metallic coating.

2,029,292
ROLLER SKATE
Albert Frederick William Ruske, San Francisco, Calif.
Application September 11, 1933, Serial No. 689,023
5 Claims. (Cl. 280—173)

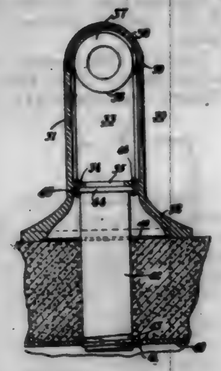


1. A roller skate comprising a foot rest, a pair of side pieces supporting the same and having registering front and rear slots therein, the front slots being forwardly inclined in an upward direction and the rear slots being rearwardly inclined in an upward direction, wheels having axles, grooved collars on the axles and being slidable in the slots and spring means urging the wheels toward the lower ends of the slots.

2,029,293
FLOOR OUTLET FIXTURE HOUSING
Edward B. Sargent, Mount Lebanon, Pa., assignor, by mesne assignments, to H. H. Robertson Company, Pittsburgh, Pa., a corporation
Application March 18, 1932, Serial No. 599,679
2 Claims. (Cl. 247—6)

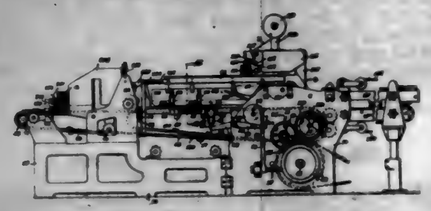
1. In an electrical floor outlet fixture housing, the combination comprising a hollow body portion

having the lower end flared outwardly to form a base for the housing and an apertured member within said body portion, a standpipe having an outwardly extending flange adapted to be received



within the flare on said body portion beneath said apertured member, and means cooperating with said apertured member and said flange for securing said body to said standpipe.

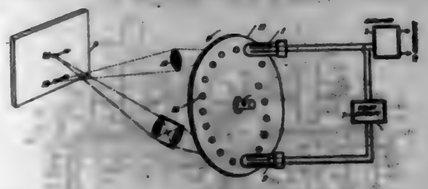
2,029,394
BOX BLANK FOLDING MECHANISM
Melvin H. Sidebotham, West Newton, Mass., assignor to Specialty Automatic Machine Company, Medford, Mass., a corporation of Massachusetts
Application July 2, 1934, Serial No. 732,353
27 Claims. (Cl. 93—41)



1. A blank folding machine having carriers for the blanks, folders for turning side portions of the blanks toward each other, and mechanism for causing the carriers to travel at diminishing speed followed by accelerated speed with intermediate stoppages to temporarily arrest movement of the blanks during operative movement of the folders.

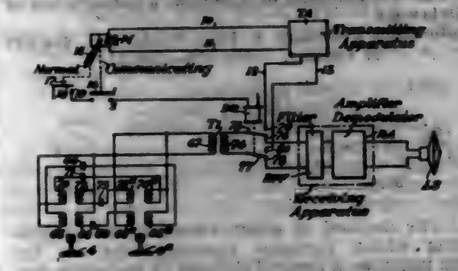
2,029,395
TELEVISION SYSTEM
Theodore A. Smith, Ridgewood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 11, 1929, Serial No. 369,973
4 Claims. (Cl. 178—6)

2. In a television receiving system, a scanning element having a series of apertures arranged about the periphery thereof, a plurality of light sources arranged to produce light of an intensity corresponding to the intensity of light and shadow on individual elements of a picture surface, a screen, a means provided by said scanning element for independently projecting the intensity of each of said light sources from diametrically opposite apertures upon the said screen at similar and corresponding points, means for delaying the action of each of said light sources with respect to the other whereby corresponding picture intensities are produced in a sequential and time-delayed manner and an optical system positioned



intermediate one of the light sources and the screen to cause the scanning path of the resulting light spot to correspond in direction to that of the other scanning path.

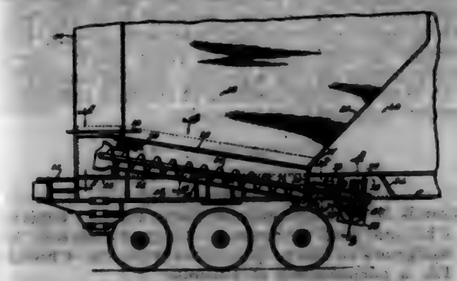
2,029,396
APPARATUS FOR COMMUNICATION SYSTEMS
Andrew J. Sorensen, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 11, 1934, Serial No. 734,854
2 Claims. (Cl. 179—82)



1. In combination with railway train-carried telephone apparatus comprising transmitting apparatus including a microphone and a generator for supplying a carrier telephone current and receiving apparatus including a demodulator and a loud speaker capable of reproducing the audio frequencies of a carrier telephone current, a first circuit on a train including a winding and a condenser tuned to resonance at a first predetermined frequency of the carrier telephone current, a second circuit on the train including a winding and a condenser tuned to resonance at a second predetermined frequency of said telephone current, a relay, another winding electrically coupled with both said first and second circuits, a first circuit means for coupling said other winding with the output of the transmitting apparatus including a front contact of said relay, a second circuit means for coupling said other winding with the input of the receiving apparatus including a back contact of said relay, and manually controlled means for governing said relay.

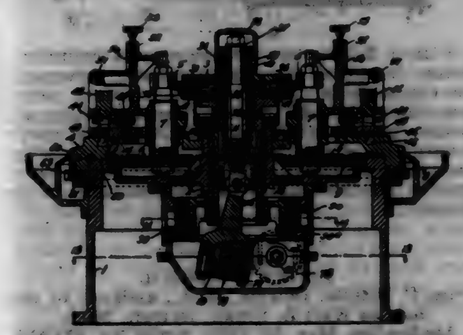
2,029,397
LOCOMOTIVE TENDER
Charles J. Surdykowski, Tuckahoe, N. Y., now by judicial change of name Charles J. Surdy, assignor to Standard Stoker Company, Inc., a corporation of Delaware
Application November 23, 1929, Serial No. 407,245
26 Claims. (Cl. 105—234)

1. A locomotive tender frame comprising a horizontal main under-frame plate member, and a



rearwardly and downwardly extending depression in said plate member forming a stoker trough.

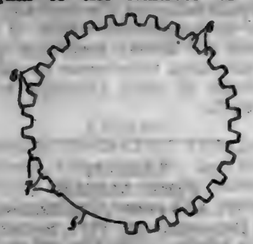
2,029,398
GEAR GENERATING MACHINE
William E. Sykes, Buffalo, N. Y.
Application December 12, 1932, Serial No. 646,793
18 Claims. (Cl. 90—9)



1. In a gear generating machine, the combination of a tooth generating device carrying a series of cutters movable on said device and adapted to perform successive tooth generating steps, means for producing a planetary motion of a gear blank whereby the blank revolves about its own axis and travels in succession past said successive portions of the generating device in cutting relation thereto, means for reciprocating said generating device transversely of the plane of travel of the blank for cutting the blank, whereby successive portions of the generating device operate in succession on said gear blank and the generation of the teeth on the blank is completed when said blank has passed the several portions of the generating device, and mechanism for retracting the cutters on the generating device and maintaining them out of contact with the blank during the return non-cutting stroke of the generating device.

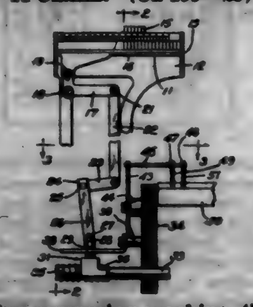
2,029,399
GEAR CUTTER
Walter Henry Try, Staines, England, assignor to William E. Sykes, Buffalo, N. Y.
Application May 19, 1933, Serial No. 671,574
In Great Britain June 1, 1932
2 Claims. (Cl. 29—103)

1. A gear cutting tool of gear wheel type having a series of peripheral teeth of uniform pitch disposed in a circle concentric with the axis of the tool, and an untoothed peripheral portion, said series comprising a set of similar teeth preceded by one or more teeth of different dimensions, and the number of teeth in said set being at least equal to the number of teeth to be



formed on the gear which is produced by the tool.

2,029,400
RAIL SHIFT MECHANISM FOR LINE CASTING AND COMPOSING MACHINES
Lester M. Walden, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application October 27, 1933, Serial No. 695,494
11 Claims. (Cl. 199—29)



1. In a line composing machine, the combination of a matrix assembling block, a rail shiftable into alternative positions for modifying the reception of selectively released matrices within said block, means for shifting said rail, and a retarded motion mechanism for deferring the response of said rail including a duplex driving mechanism for initiating motion in two directions at a reduced speed, means for actuating said mechanism at a derived speed, and a linkage movable in two directions by alternative portions of said mechanism for accordingly imparting selective responses to said rail at said reduced speed.

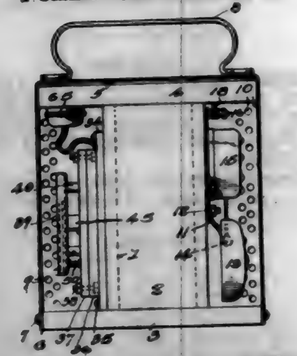
2,029,401
METHOD OF AND APPARATUS FOR OBTAINING OPTICAL EFFECTS BY ELECTRICAL MEANS
George William Walton, London, England
Application January 14, 1932, Serial No. 586,664
In Great Britain January 19, 1931
16 Claims. (Cl. 88—61)



1. The method of producing a refractive effect upon light with the aid of an electrically stressed

light transmitting medium disposed in the path of said light which comprises establishing in the direction of said path, an electrostatic stress having at least a component which is constant at any one point but differs from one point to another in a direction transverse to said path and passing a beam of light through said medium along said path.

2,029,402
FIRE ALARM
John W. Alexander, Clarendon, Va.
Application December 28, 1931, Serial No. 583,561
1 Claim. (Cl. 177—311)



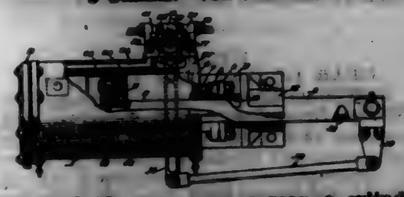
The combination in a fire alarm with a holder, a battery therein, and an alarm mounted on the holder, of a removable top plate for the holder having holes and open-end slots, terminal posts on the battery projecting into two of said holes and terminal posts of the alarm projecting into two other holes, a resilient conductor blade in one slot having a free end in contact with an alarm terminal and another free end projecting into the open end of its slot, a second conductor blade having a free end in contact with a battery post and its other end projecting into the open end of its slot, a thermostat mounted on the holder and a connecting plug electrically connected therewith, blades on said plug for frictional engagement with the ends of the blades in the open end slots, and a third conductor blade in a slot of the top plate having its resilient ends in contact with a battery post and an alarm post respectively.

2,029,403
DEVICE FOR CONVEYING FINELY DIVIDED MATERIAL
Arno Andreas, Munster, Germany
Application October 1, 1931, Serial No. 566,275
In Germany April 5, 1930
1 Claim. (Cl. 198—128)



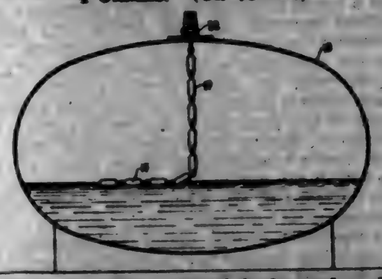
In a device for conveying finely divided materials, a turbine including a propeller and a housing therefor, an inlet conduit communicating with the housing and inclined to the vertical at such an angle that the entering material flows uniformly down the lower wall thereof, the axis of said conduit being disposed at an angle to the axis of rotation of said propeller, a hopper from which material is released into said inlet conduit, and an intermediate conduit from said hopper to said inlet conduit intersecting said inlet conduit at substantially a right angle, one of said conduits having a portion thereof constricted with respect to the opening of the first mentioned conduit adjacent said housing.

2,029,404
REVERSE GEAR
Francis N. Bard, Highland Park, Carl L. Charles, Chicago, and Thomas C. Gray, Evanston, Ill., assignors to Baroo Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application April 20, 1933, Serial No. 667,506
5 Claims. (Cl. 121—38)



1. In a fluid power reverse gear, a cylinder, a piston mounted for reciprocatory movements therein, a piston rod extending from one side of said piston through one end of said cylinder, and means for resisting movement of said piston toward the end of said cylinder through which the piston extends to compensate for the difference in effective areas of the two sides of the piston.

2,029,405
FLOAT CONTROL
Lynn C. Beadle, Detroit, Mich., assignor of one-half to Karl B. Segall, Detroit, Mich.
Application May 20, 1933, Serial No. 671,978
4 Claims. (Cl. 73—32)



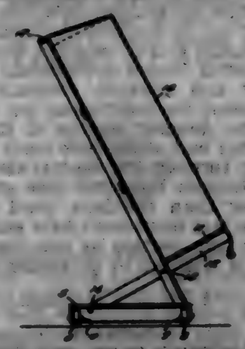
1. For use with a liquid body and a datum, wherein the vertical distance between the body and the datum may vary, and wherein advantage is to be taken of changes or variations of said vertical distance, even those which amount to less than unity fractions of the maximum possible variation in said vertical distance, a float control comprising a counterbalanced means mounted to move with respect to the datum in accordance with changes in said vertical distance, the movement of the means generally corresponding to but being less than the change in said vertical distance, and a float supported by said means and by said liquid body, and forming a means-moving load for said means, which load varies in amount in correspondence to the changes in said vertical distance, the float comprising a chain-like assemblage of three or more individual relatively movable connected float links whose interspacing is a relatively small fraction of the maximum possible variation of said vertical distance whereby variations in said vertical distance equal to the float interspacing and thus amounting to less than unity fractions of the maximum possible variation are translated into corresponding, though reduced, movements of the means.

2,029,406
AIR OR GAS FILTER UNIT
Hans E. Birkholz, Louisville, Ky., assignor to American Air Filter Company, Inc., Louisville, Ky., a corporation of Delaware
Application March 27, 1931, Serial No. 525,231
4 Claims. (Cl. 98—84)



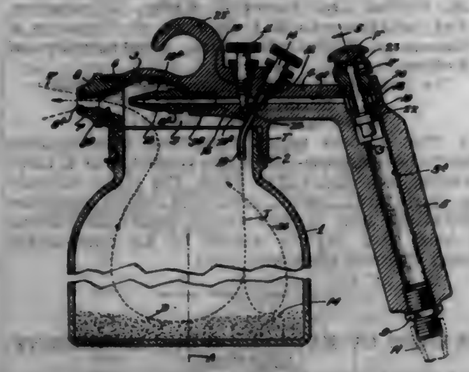
1. An air filtering unit comprising a rectangular housing having an inlet opening in the lower portion of its rear wall, an outlet opening in its front wall and a normally closed lid at its top, a partition spaced from the rear wall and extending upwardly from the bottom to a point short of the top, a filter medium extending from said partition toward the front wall of said casing, said partition and filter medium cooperating to divide the housing into an inlet chamber which extends from the inlet opening to the filter medium and an outlet chamber which extends from the filter medium to the outlet opening, and means in the outlet chamber for causing a flow of air between said openings.

2,029,407
DISPLAY STAND
Benjamin Ehrenstein, Youngstown, Ohio
Application April 5, 1935, Serial No. 14,912
1 Claim. (Cl. 211—23)



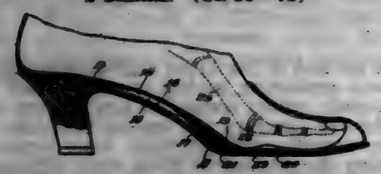
A display rack of the class described, comprising a rectangular shaped base constructed of angle iron, an inverted U-shaped frame pivotally mounted at its ends to opposite sides adjacent the front corners of said sides, and extending upwardly and rearwardly of said base, the upper transverse edge of said frame lying beyond the vertical plane of the rearmost portion of the base, cleats secured at one end to each end of the frame adjacent the rear corner thereof, and being inclined upwardly and forwardly and projecting beyond the inverted U-shaped frame, said cleats being secured to said frame at a point of crossing, and a platform disposed on the projected portion of said cleats.

2,029,408
POWDER-SPRAYING APPLIANCE
Svend Bramsen, Fritz Wahlin, and Eric Gustafsson, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application June 29, 1933, Serial No. 678,220
17 Claims. (Cl. 91—8)



6. A pneumatic appliance for spraying dry comminuted material, comprising an upright receptacle housing the material; a cover member fitted upon the mouth end of the receptacle and provided at its forward edge with a discharge bore; the cover member having an air passage extending into it and presenting its outlet portion coaxial with the said discharge bore and spaced rearwardly from the rear end of the said discharge bore; the diameter of the outlet end of the said air passage being a minor fraction of the diameter of the rear end of the discharge bore; the cover member also being provided with a second air passage for projecting air downwardly into the receptacle in a jet of smaller diameter than the rear end of the said discharge bore.

2,029,409
ARCH SUPPORT SHOE
Louis C. Brand, Ottawa, Ill.
Application May 29, 1935, Serial No. 24,087
2 Claims. (Cl. 36—71)



1. An arch support shoe comprising an arch support extending longitudinally beneath the inner sole on the shank of the shoe, secured to the shoe at its rearward end and unattached at its forward end, said support consisting of a metal stiffener having an upper surface longitudinally convex and a flattened outer end portion, said convex portion being of less length than the shank over which it extends, whereby the flattened end portion projects over and is spaced from the hinge

portion between the tread and shank portions of the sole, an upper crowned resilient pad secured to the forward end portion of the stiffener to overlie approximately one-third of the stiffener surface and protruding beyond the forward end, and a flat lower pad secured to the under side of the stiffener and protruding forwardly and sidewise of the forward portion of the upper pad and bridging the hinge portion of the tread and shank.

2,029,410

CHEMICAL PRODUCTS AND PROCESSES FOR PRODUCING SAME

Wallace H. Carothers, Fairville, Pa., and Arnold M. Collins and James E. Kirby, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 11, 1933, Serial No. 665,554
25 Claims. (Cl. 260—2)

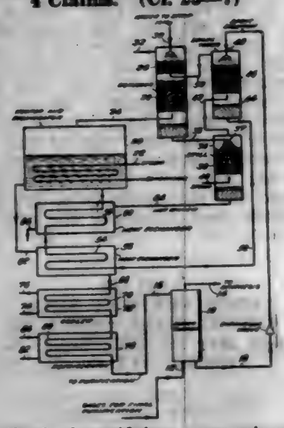
1. The process which comprises polymerizing chloro-2-butadiene-1,3 in the presence of a film-forming material taken from the class consisting of natural resins, synthetic resins, cellulose derivatives and polymerizable materials having at least two carbon atoms in an open-chain joined by more than one bond.

2,029,411

METHOD OF REGENERATING ABSORBENT LIQUIDS

Axel Christensen, Rye, N. Y., assignor, by mesne assignments, to Chemical Construction Corporation, a corporation of Delaware

Application January 12, 1933, Serial No. 651,337
4 Claims. (Cl. 23—7)



1. A method of purifying ammoniacal cuprous solutions containing carbon monoxide and carbon dioxide, which comprises heating the solution thereby expelling the carbon monoxide and carbon dioxide together with some ammonia, scrubbing the mixture of gases while still hot, in counter flow with cold water to absorb the ammonia, permitting the carbon dioxide and carbon monoxide passing through the scrubbing water to escape, heating the scrubbing water to expel the ammonia, and reabsorbing the ammonia into the ammoniacal cuprous solution in which the gases and vapors from the heated scrubbing water, which are not absorbed by the ammoniacal cuprous solution, are returned to the gases and vapors undergoing scrubbing with water.

2,029,412

MANUFACTURE OF ESTERS OF LEVULINIC ACID

Gerald J. Cox and Mary L. Dodds, Pittsburgh, Pa., assignors, by mesne assignments, to Niacet Chemicals Corporation, New York, N. Y., a corporation of New York

No Drawing. Application December 19, 1934, Serial No. 758,267
3 Claims. (Cl. 260—106)

1. The method of preparing esters of levulinic acid which comprises esterifying without previous purification a syrup of levulinic acid obtained by decomposing carbohydrates with a mineral acid.

2,029,413

BAND BUCKLE

Willie Henry Davis, Angola, La., assignor of one-half to Armand Lacoste, New Roads, La.

Application March 17, 1934, Serial No. 716,141
1 Claim. (Cl. 24—23)



A bale band consisting of a plate composed of spring metal and being thin, flat and substantially rectangular, said spring plate having two side and one central slots, said slots being substantially parallel to one another and having bars between the side and central slots, said plate having side walls outwardly of the side slots, one of the bars at one side of the central slot being continuous from end to end, the other bar at the opposite side of the said central slot being interrupted and having a gap therein setting up communication between the central slot and the adjacent side slot, said gap being made more to one side of the central longitudinal portion of the bar than the other whereby to provide a comparatively rigid short leg and a long flexible leg normally in the plane of the plate and movable out of said plane and having at its inner side a cam wall tapering from the widest portion at substantially the base of the long spring leg in diminishing thickness toward the free flexible end of said leg, one end of the bale band being looped downwardly through the central slot and upwardly through one of the side slots about the continuous bar to form two bights in the doubled portion of the bale band end, the other end of the bale band being looped downwardly through the central slot and thence upwardly through the other side slot, said slots being longer than the bale band is wide, the bight of the last mentioned bale end adapted to ride on the cam portion at one side and at the other side is enabled to be swung out through said gap.

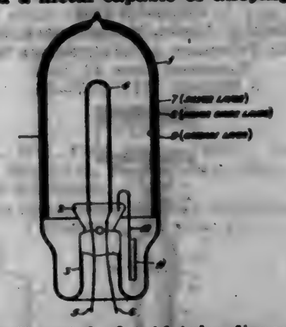
2,029,414

PHOTO-ELECTRIC TUBE AND THE METHOD OF MAKING SAME

Jan Hendrik de Boer, Johannes Bruynes, and Marten Cornelis Teves, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware

Application July 1, 1933, Serial No. 678,554
In Germany July 23, 1932
11 Claims. (Cl. 250—27.5)

1. A photo-electric tube comprising an anode and a photoelectric electrode containing alkali-metal, and a metal capable of alloying with the



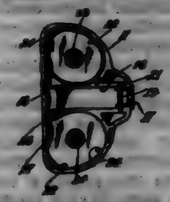
excess alkali-metal of said tube disposed outside the vicinity of said electrode.

2,029,415

PICTURE DISPLAY DEVICE

Oliver C. Dennis, Wilmette, Ill.

Application May 24, 1934, Serial No. 727,303
4 Claims. (Cl. 40—28)



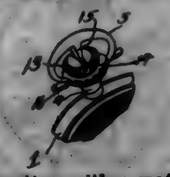
1. In a picture display device, a bi-part molded casing having two correspondingly shaped members for fitting together to provide film carrying compartments at the top and bottom of said casing, a film carried in the compartment, a removable guide plate for guiding the film from one compartment to the other, a film-viewing aperture at one side of the casing, and a film-lighting aperture at the other, and means permitting finger movement directly on the film to move said film from one compartment to the other.

2,029,416

WATCH ATTACHMENT

August H. Fischer, Wolsey, S. Dak.

Application July 1, 1935, Serial No. 29,344
3 Claims. (Cl. 58—73)



1. The combination with a watch stem extending outwardly from a watch and adapted to tension a watch spring within the watch, and a pivoted chain bow, of means carried by the chain bow and cooperating with the stem for preventing retrograde rotation of the stem.

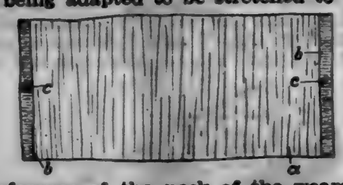
2,029,417

NECK PROTECTOR FOR USE WITH HAIRDRESSER'S WRAPPERS OR THE LIKE

Arthur Förster, Gerlitz, Germany

Application August 9, 1934, Serial No. 739,806
In Germany September 1, 1933
1 Claim. (Cl. 2—50)

A neck protector for use with hair dressers' wrappers and the like, said protector comprising an elongated strip of crepe paper, said protector being stretchable in its longitudinal direction substantially throughout its entire width and prior to use being substantially shorter than the circumference of the neck of the wearer, said protector being adapted to be stretched to the full



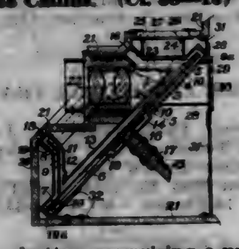
circumference of the neck of the wearer when in use, and an adhesive situated at both ends of said strip of crepe paper, whereby said ends may be permanently joined while the strip surrounds the neck of the wearer, so that the strip must be torn in order to remove it after use.

2,029,418

REFLEX SHUTTER

Max Friedland, New York, N. Y.

Application March 6, 1933, Serial No. 659,742
28 Claims. (Cl. 88—16)



1. A reflex shutter comprising a primary shutter, a secondary shutter and means for producing regular reflection, an outer casing comprising a front primary wall, a rear primary wall, an inner secondary wall, an outer secondary wall and connecting walls, the primary shutter and said reflecting means of the reflex shutter being situated between the front and rear primary walls, the secondary shutter being situated between the inner and outer secondary walls, the front primary wall and the inner secondary wall being situated at an angle to each other between the secondary shutter and the reflecting means of the reflex shutter, said angle being less than a straight angle, the front and rear primary walls having aligned apertures for the admission of light to a sensitive film, the inner and outer secondary walls having aligned apertures constituting means for viewing light reflected by the reflecting means of the reflex shutter, the reflex shutter being situated within the outer casing and means for imparting motion to the reflex shutter.

2,029,419

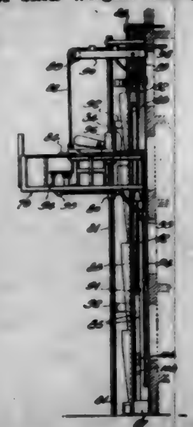
FIRE ESCAPE

Benjamin Gilowitz, New York, N. Y., assignor of one-fourth to William Joseph, New York, N. Y.

Application September 13, 1934, Serial No. 743,889
1 Claim. (Cl. 187—15)

In a car ascent and descent controlling means, a hollow weight and means for connecting it with the car to ascend when the car descends and vice versa, said hollow weight having an open upper end and an internal abutment spaced downwardly from said upper end, a self-closing valve at the upper end of the weight path for discharging wa-

ter into said weight when it reaches the limit of its ascent, said valve having a downwardly projecting operating portion receivable in said open upper end of said weight and positioned to be



struck and raised by said abutment to open said valve, and means for emptying the water from said weight when it reaches the limit of its descent.

2,029,420
CONCENTRIC CONDUCTOR TRANSMISSION SYSTEM
Estill I. Green, East Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 23, 1929, Serial No. 365,518
10 Claims. (Cl. 178—44)



9. A coaxial conductor transmission system comprising inner and outer conductors of different effective resistivities, the ratio of the internal diameter of the outer conductor to the external diameter of the inner conductor being the optimum for low attenuation of waves lying near the top of the frequency band transmitted.

2,029,421
CONCENTRIC CONDUCTOR TRANSMISSION SYSTEM
Estill I. Green, East Orange, and Frank A. Leibe, Dunellen, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application February 2, 1932, Serial No. 590,496
11 Claims. (Cl. 178—44)



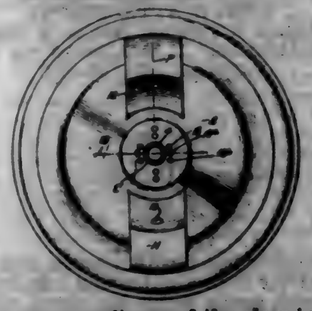
1. A high frequency transmission circuit comprising two concentrically arranged cylindrical conductors connected one as a return for the other and insulated from each other by a substantially non-gaseous dielectric, the ratio of the inner diameter of the outer conductor to the outer diameter of the inner conductor being such that the attenuation of the circuit will be a minimum for frequencies above the voice range.

2,029,422
CONDENSER
Herbert C. Guild, Mamaroneck, N. Y.
Application February 4, 1932, Serial No. 590,857
Renewed June 22, 1935
8 Claims. (Cl. 257—35)



1. A condenser comprising a multiplicity of substantially vertical pipes, each closed at its upper end and having its lower end rigidly secured in a laterally extending header, means for supplying condensible gas for upflow in all of said pipes and for draining condensate from the lower end thereof, guide means engaging the upper ends of all of said pipes to permit free longitudinal expansion and contraction thereof, and means for maintaining a freely downflowing film of water on the exterior vertical surface of each pipe, each pipe having such cross-section as to permit upflow of gas in regions more remote from the inner walls of the tubes and downflow of condensate and gas adjacent said walls.

2,029,423
AIR NOZZLE FOR FLAT SPRAYING APPLIANCES
Eric Gustafsson, Chicago, Ill., assignor to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application February 23, 1935, Serial No. 8,699
10 Claims. (Cl. 299—140.1)



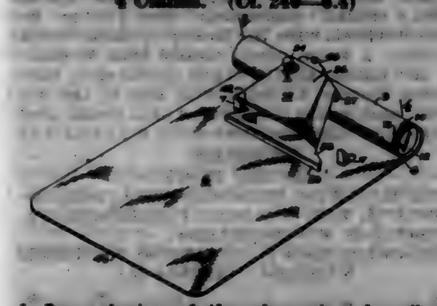
1. In a spray appliance of the class in which a forwardly projected stream of generally liquid material is flattened in a plane diametric of said stream by the conjoint action of forwardly converging air jets which have their axes in a second plane diametric of the said stream and at right angles to the first named plane, means for forwardly projecting two counterpart pluralities of air jets respectively at opposite sides of the said stream with each of the said pluralities symmetrically disposed in relation to one of the said planes, with the constituent jets of each of the said pluralities sufficiently close to each other and to the said stream so that atmospheric pressure will cause each such plurality of jets to merge with the said stream before the said converging air jets act upon the stream.

2,029,424
PIPE
Charles A. Hill, Port Huron, Mich., assignor to Mueller Brass Co., Port Huron, Mich., a corporation of Michigan
Application September 16, 1933, Serial No. 689,740
1 Claim. (Cl. 138—47)



As an article of manufacture, a pipe in which the smooth inner surface produced by the process of piercing, drawing, or extrusion, has been treated by an abrasive to produce irregularities throughout the entire inner surface thereof, for retaining a film of liquid on the interior surface of said pipe, thereby reducing the coefficient of friction between the wall of the pipe and the mass of moving liquid.

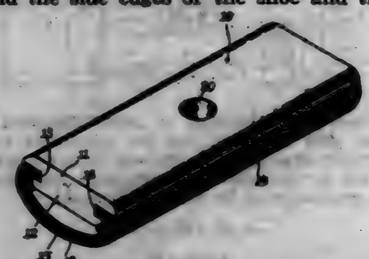
2,029,425
COMBINATION CLIP BOARD AND LIGHT
Raymond Kayler, near Los Angeles, and Ray E. Kenney, Los Angeles, Calif.
Application November 21, 1933, Serial No. 698,998
4 Claims. (Cl. 240—6.4)



1. In a device of the character described, a portable, substantially flat plate providing a writing surface, a container carried by said plate adapted to receive an electric battery, a clip pivotally mounted on said container, spring means urging said clip toward said plate to releasably clamp a plurality of sheets of paper upon the plate, a reflecter on said clip and opening in an inclined direction downwards and toward said plate, an electric light bulb disposed within said reflector, and means providing an electrical circuit operatively connecting said bulb to said battery.

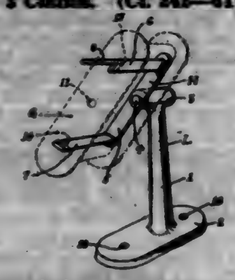
2,029,426
RUBBING DEVICE
Ralph H. Kingdon, Maywood, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application September 14, 1934, Serial No. 743,257
7 Claims. (Cl. 15—231)

1. A device of the character described comprising, in combination, an elongated block having a pair of longitudinally extending grooves in the respective side edges thereof, a shoe made of resilient material and positioned adjacent and in spaced relation to the lower face of said block and having its side edges bent upwardly and then inwardly to enter the respective grooves, and sheet-like rubbing material held against the bottom face of said shoe with its side edges wrapped around the side edges of the shoe and thereby



clamped in said grooves, the lower portions of the side edges of the block being rounded to provide cam surfaces for spreading said shoe when the latter is pressed onto the block to permit the side edges thereof to enter the groove, the lower surfaces of said grooves being perpendicular to the direction of the attaching movement of the shoe to hold the shoe and rubbing material firmly in place.

2,029,427
SPOOL AND WINDER THEREFOR
David W. Klau, New York, N. Y.
Application January 12, 1934, Serial No. 706,378
3 Claims. (Cl. 242—41)

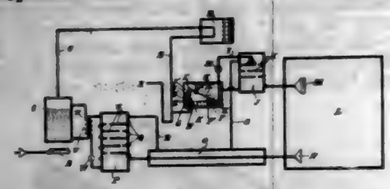


1. A ribbon winder comprising a part providing a bearing and having means by which it may be mounted upon a suitable support, a rotor rotatably mounted in said bearing including a pair of arms about which the ribbon may be wound said arms being spaced apart and being disconnected at their outer ends so that the ribbon may be slid freely endwise off said arms, and one of said arms having an extending portion constituting a handle by which to rotate the rotor.

2,029,428
AIR CONDITIONING METHOD AND APPARATUS
Donald B. Knight, Brooklyn, N. Y., assignor to Refrigeration Research Corporation, Brooklyn, N. Y., a corporation of New York
Application August 17, 1932, Serial No. 629,133
8 Claims. (Cl. 62—176)

3. In a system for refrigerating and conditioning air wherein the air is dried at a constant temperature by absorption and subsequently cooled by the evaporation of water and the diffusion of the evaporated water vapor into the air, a method of controlling the dew point of the air

which consists in evaporating the water from a solution of lower vapor pressure than the vapor pressure of water, maintaining a predetermined and optional concentration of the solution in the



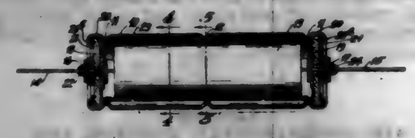
evaporator, maintaining a predetermined and optional dew point of the air admitted to the evaporator, and passing the air thus cooled and regulated as to both dew point and temperature to the enclosure to be air conditioned.

2,029,429
ATTACHABLE HANDLE FOR PAPER CUPS
Sydney R. Koons, Cleveland, Ohio
Application August 25, 1933, Serial No. 686,755
4 Claims. (Cl. 16—114)



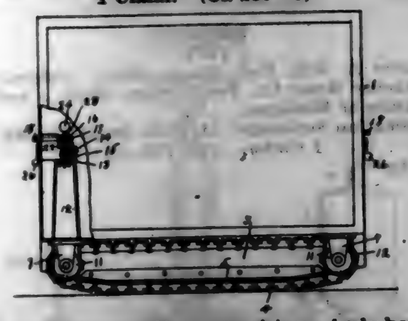
4. An attachable handle for a paper cup having a bead at the rim consisting of a sheet-like member having at its upper corners opposing shoulders adapted to grip beneath the bead and inside of the cup, and having finger grip openings at each side of its median line adapted to be compressed at the upper portion to effect engagement and to spread to tighten said engagement at the bead and a cross member having portions engaging the strip at the lower portion to limit separation at the portion of the strip engaging the sides of the cup.

2,029,430
TUBULAR CONDENSER
Louis Kopinski, Cicero, Ill., assignor to John E. Fast & Company, Chicago, Ill., a corporation of Illinois
Application May 14, 1934, Serial No. 725,511
7 Claims. (Cl. 175—41)



1. A condenser comprising a metal tube, closures of insulating material secured in the ends of the tube, the tube being rolled inwardly on both sides of the closure, a rolled paper condenser body enclosed by the tube and closures and having a metal lead extending from each end of the body and through a closure, an insulating envelope between the condenser body and the metal tube, and means for maintaining a substantial annular space between most of the metal tube and said envelope, whereby the capacity between the condenser body and the metal tube is reduced.

2,029,431
PORTABLE CONTAINER
Robert J. Lewis, Baltimore, Md.
Application June 10, 1933, Serial No. 675,262
1 Claim. (Cl. 280—3)



A portable container comprising a body having doors in the side thereof, a shaft mounted at each corner of the body on the under surface thereof, a spur wheel rigidly secured to each of said shafts, a chain at each end of the body, said chains connecting two shafts running parallel to the sides of the body, rollers carried by said chain and upon which the body travels, a sprocket wheel rigidly fixed to each of said shafts, two shafts mounted on each side of the body near the end and above the shafts on the under surface of the body, sprocket wheels loosely mounted on the last named shafts and each having teeth on one side thereof, a clutch splined on each of said last named shafts and each having teeth on one side thereof adapted to co-operate with the teeth of the loosely mounted sprocket wheels, means for throwing the clutch in and out of contact with said loosely mounted sprocket wheels, chains connecting the rigidly fixed sprocket wheels with the loosely mounted sprocket wheels, a worm wheel rigidly fixed to each of said last named shafts, crank shafts each having a worm thereon to mesh with one of the worm wheels, and means for turning said crank shafts.

2,029,432
METAL DOOR
Marvin G. Martin, Philadelphia, Pa., assignor to The J. G. Brill Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 9, 1934, Serial No. 719,672
6 Claims. (Cl. 189—46)



1. In a metal door, one piece front and rear sections having marginal flanges arranged adjacent and in parallel overlapping engagement with each other, means connecting said sections, said sections having registering window openings bounded by continuous offsets pressed in each section, the material of the rear section being folded over the material of the front section entirely around the window openings in such a manner as to provide a pane receiving shoulder.

2,029,433
GAME TABLE
John Kearsley Mitchell, Bryn Mawr, Pa.
Application November 17, 1934, Serial No. 753,445
6 Claims. (Cl. 311—103)

1. A table of the type described having a framework to which legs are pivotally connected, a flat

central member, an apron, legs adapted to fold up behind said apron, and a drawer having a false front adapted to lie in the plane of the



apron and a true front spaced therefrom so as to provide space for a leg between the two, and means for connecting the true front and the false front.

2,029,434
TABLE CONSTRUCTION
John Kearsley Mitchell, Bryn Mawr, Pa.
Original application November 17, 1934, Serial No. 753,445. Divided and this application June 10, 1935, Serial No. 25,711
4 Claims. (Cl. 311—108)



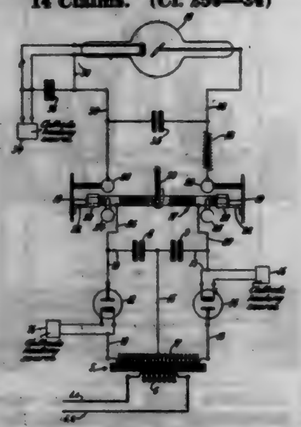
1. An improved game table comprising, in combination, a frame having an internal shelf thereabout, arched bracing members secured to adjacent frame members and spaced from the corners thereof, a panel member set in the central upper portion of the table frame and forming a playing surface, securing members fastened to the under side of said panel member and adapted to engage the frame bracing members, the said securing members including adjustable fastening means, a resilient cover member disposed over the panel member and underneath the edges thereof and a fabric cover member stretched over the top of the panel member to form a playing surface and folded under and secured to the bottom of said panel.

2,029,435
APPARATUS FOR PRODUCING SHEATHED ARTICLES
Charles F. Moody, Yonkers, and Earle A. Mitchell, Hastings-on-the-Hudson, N. Y., assignors to Phelps Dodge Copper Products Corporation, New York, N. Y., a corporation of Delaware
Application October 2, 1934, Serial No. 746,436
8 Claims. (Cl. 18—6)



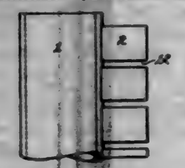
6. In an apparatus for covering a core by the strip method including means for covering a core with a coating of strip rubber, means for turning the covering longitudinally upon the core thus coated comprising a corrugated roller rotated at an inclination to the axis of the core and acting on the coating to turn the coating, means for covering the core thus coated with an additional coating of rubber and a vulcanizing chamber to cure the insulation.

2,029,436
X-RAY SYSTEM FOR REDUCING STEEPNESS OF WAVE FRONT
Montford Merrizan, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc., a corporation of Delaware
Application March 25, 1932, Serial No. 601,071
14 Claims. (Cl. 250—34)



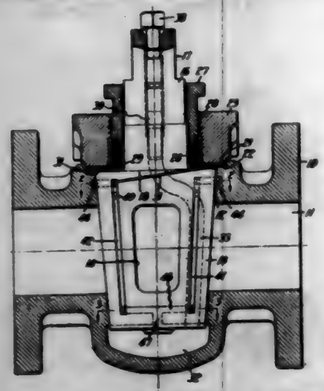
6. In an X-ray system, an X-ray tube, a source of high potential electrical energy for energizing said tube, switching means operable to connect said X-ray tube to said source, and a condenser connected in parallel with said X-ray tube and said source and energizable with said tube from said source upon operation of said switching means, said condenser adapted to become charged by the initial supply of energy from said source upon operation of said switching means to cause the energy supplied to said X-ray tube to gradually rise from zero to maximum in a minute period of time.

2,029,437
HEAT CONDUCTING TUBE
Thomas E. Murray, deceased, late of Brooklyn, N. Y., by John F. Murray, Joseph B. Murray, and Thomas E. Murray, Jr., executors, Brooklyn, N. Y., assignors to Metropolitan Engineering Company, a corporation of New York
Original application May 23, 1924, Serial No. 715,369. Divided and this application July 15, 1931, Serial No. 550,903
18 Claims. (Cl. 257—262)



1. A tubular unit of the character described adapted to be exposed externally to high temperatures and to carry a liquid to be heated, constituting a complete unitary article of manufacture and consisting of a long steel tube of small diameter compared with its length and of small wall thickness compared with its diameter and separately formed flange members each of which is of less length than the tube and has a free outer edge and each of which is separately welded at its inner edge to said tube, said flange members being in longitudinal alinement with each other parallel with the axis of the tube and being separated from one another by short intervals.

2,029,438
PLUG VALVE
Sven Johan Nordstrom, Piedmont, Calif., assignor to Merco Nordstrom Valve Company, San Francisco, Calif., a corporation of Delaware
Application June 1, 1931, Serial No. 541,218
23 Claims. (Cl. 251—93)



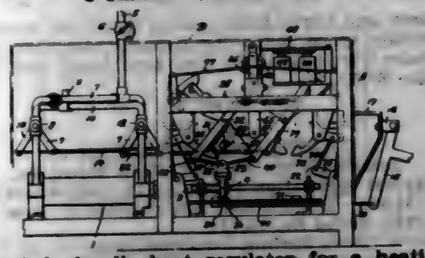
1. In a rotatable plug valve, a valve casing having a passageway therethrough for flow of fluid and also having a tapered valve seat formed transversely of the passageway, a tapered valve plug rotatably disposed within the seat, means including a lubricant reservoir, a lubricant chamber adapted to receive viscous lubricant therefrom under pressure and a duct connecting said reservoir and chamber for hydraulically jacking the plug from its seat, and means effective for yieldably urging the plug into its seat and for sealing the casing at the large end of the plug, said last means including cooperating sealing surfaces together with an attenuated lubricant duct connecting said surfaces and said lubricant chamber.

2,029,439
FENCE POST
Neil A. Ochiltree, Peoria, Ill., assignor to Concrete Engineering Company, Omaha, Nebr., a corporation of Nebraska
Application December 2, 1932, Serial No. 645,385
2 Claims. (Cl. 189—29)



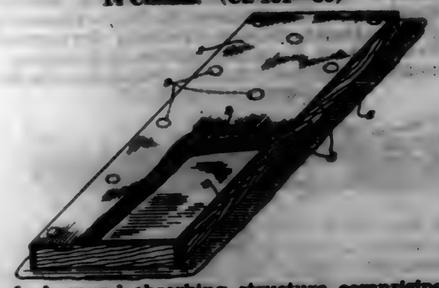
1. A metal fence post comprising a post body provided with lateral projections and an anchor rigidly secured thereto consisting of a metal cylinder surrounding said body and transversely flattened to provide a central tubular part in snug gripping relation with said body and lateral double walled wings.

2,029,440
HYDRAULIC HEAT REGULATOR
Mark Olsen, Detroit, Mich.
Application June 27, 1935, Serial No. 28,783
3 Claims. (Cl. 236—84)



1. A hydraulic heat regulator for a heating plant comprising a reciprocating member, means actuated thereby for adjusting the dampers of the heating plant, a cylinder, a piston therein connected with the reciprocating member, means including inlet and exhaust valve means in each end for introducing water into the ends of cylinder and exhausting the water therefrom for reciprocating the piston, latchable spring actuated means arranged in sets, one set acting to open an inlet valve in one end and an exhaust valve in the other end and the other set opening the other valves, thermostatic control means for releasing one or the other of the spring means to open its valves, sets of means for returning said spring means to latched position and closing the valves and means whereby the resetting means are operated by movement of the reciprocating member.

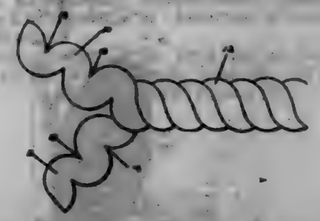
2,029,441
ACOUSTICAL STRUCTURE
John S. Parkinson, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application December 12, 1933, Serial No. 701,962
14 Claims. (Cl. 181—30)



1. A sound-absorbing structure comprising a facing member maintained under tension and adapted to be set in vibration by incident sound and lightweight, yieldable, non-vibratile, vibration-damping material disposed behind and in contact with the said facing member at an internodal position thereon.

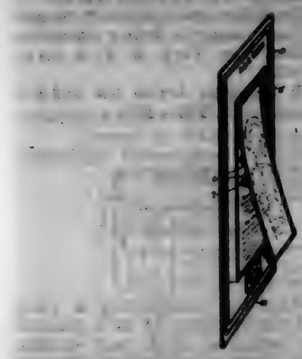
2,029,442
COMPOSITE STRIP
Julius Rabinowitz, New York, N. Y.
Application March 16, 1935, Serial No. 11,186
2 Claims. (Cl. 29—1)

1. A composite strip comprising a plurality of component strips each of such component strips having notches extending from the edge substantially to the middle line and arranged alternately at opposite edges of the strip, and said component



parts being twined about each other with the bottoms of the notches in each component part substantially in contact with the bottoms of the notches in the other strip.

2,029,443
COMBINATION CALENDAR AND COIN CONTAINER
Oscar Tillman Sanders, Nashville, Tenn.
Application January 17, 1934, Serial No. 706,986
1 Claim. (Cl. 232—37.9)



A coin holder and display comprising a base sheet having perforations formed in the upper part therein adapted to receive coins, a back sheet secured over said perforations, a strap forming a part of said base sheet removed from the periphery of said perforations, a front sheet adapted to receive a pictorial display secured above said perforations and having its sides and bottom unsecured, said front sheet extending over said perforations to form the cover therefor but spaced from the lower edge of said base sheet, a calendar mounted in the space immediately below the lower edge of said front sheet, each perforation having calendar indicia in connection therewith, said calendar and calendar indicia being exposed upon the lifting of said front sheet.

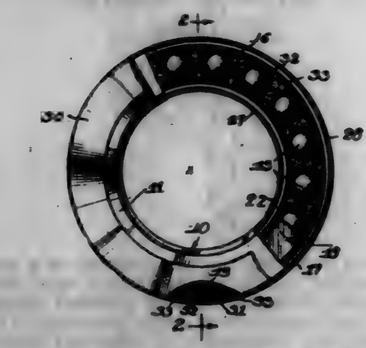
2,029,444
MAGAZINE LOADER
Raymond F. Schiveley, Houston, Tex.
Application April 18, 1934, Serial No. 721,281
1 Claim. (Cl. 1—43.6)

A loader for a magazine comprising a pan-shaped container, the bottom of the container having a slot cut therethrough, said slot extending substantially across the bottom and one end of the slot terminating at the corresponding side of the container and being open, the margins of the material on each side of the slot converging downwardly, an arch-like hood over the open end of the slot and secured to the material of the bottom of the container and forming a maga-



zine holder shaped to receive one end of a magazine.

2,029,445
BEARING
Frank Schubert, Detroit, Mich., assignor to Bearings Company of America, Lancaster, Pa., a corporation of Delaware
Application November 22, 1934, Serial No. 754,224
8 Claims. (Cl. 308—201)

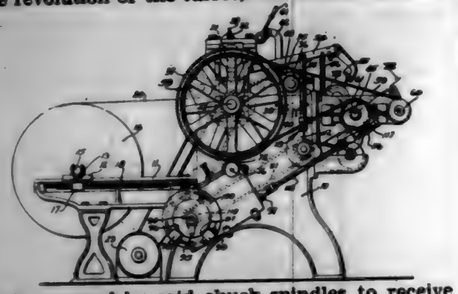


1. The combination with a bearing having members arranged to roll between races and a retaining member for the rolling members, of lubricating means comprising a distributing member of hard porous material in contact with the rolling member to supply lubricant thereto, and a reservoir member carried by the retaining member adapted to supply lubricant to the distributing member.

2,029,446
ART OF PAPER CONVERSION
Frederick Charles Schneider, Green Bay, Wis., assignor to Hudson Sharp Machine Company, Green Bay, Wis., a corporation of Wisconsin
Application August 9, 1933, Serial No. 684,405
14 Claims. (Cl. 242—56)

12. In a device of the character described, the combination with a turret and an eccentric driving wheel, of chuck spindles rotatable upon fixed axes in said turret and provided with driven members engageable by said wheel to receive

motion therefrom at a predetermined point in the revolution of the turret, and rewinding mandrels engaged by said chuck spindles to receive motion therefrom.



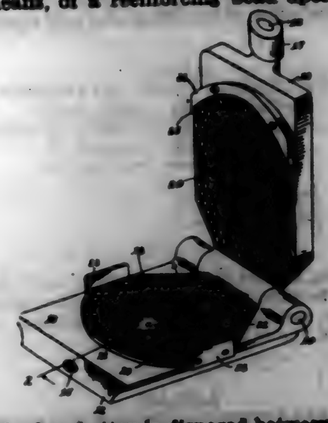
2,029,447
AUGER BIT
Howland M. Swain, Wilmington, Ohio, assignor to The Irwin Auger Bit Company, Wilmington, Ohio, a corporation of Ohio
Application December 13, 1934, Serial No. 757,284
5 Claims. (Cl. 145—116)



1. In an auger bit the combination of a screw flight portion, and a shank portion, said shank portion comprising sections of different configuration joined by zones of softer material so that the shank can be severed at intervals between the sections of different configuration.

2,029,448
CAKE BAKING IRON
Harry G. Tatosian, Bridgeport, Conn., assignor, by mesne assignments, to Ice Cream Cone Machine Corporation, New York, N. Y., a corporation of New York
Application January 29, 1932, Serial No. 589,567
3 Claims. (Cl. 53—10)

1. A cake baking device comprising two irons hingedly connected together and adapted to close in parallel and spaced relation to one another, opposed grooved baking faces on the respective irons, a portion of each of said baking faces being bounded by an arcuate shoulder, the respective shoulders being adapted to register with one another when the baking irons are closed together, and means carried on one of said baking irons adjacent the shoulder thereof and adapted when the baking irons are closed to rest adjacent the shoulder of the other baking iron, whereby to provide for the formation within the space defined among the arcuate shoulders and the aforesaid means, of a reenforcing head upon a cake



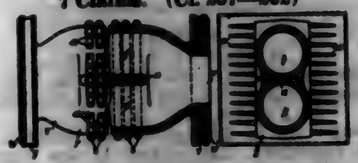
formed when batter is disposed between the baking irons and the latter closed together.

2,029,449
COOKING RANGE CONSTRUCTION
Jacob Teller, New Rochelle, and Arthur P. Schulz, New York, N. Y., assignors to Teller Stove Designing Corporation, New York, N. Y., a corporation of New York
Application March 14, 1932, Serial No. 598,813
7 Claims. (Cl. 126—41)



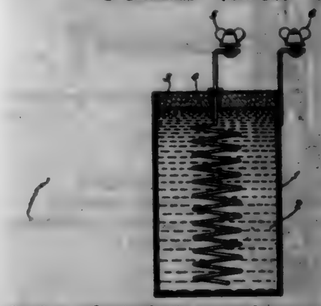
1. A range construction comprising a range body having a cooking top formed in a plurality of front and rear sections, said rear sections having burner grids thereon, a broiler compartment formed at and below the plane of said grid sections disposed at the intermediate portion of said body, and open at its top, a cover for said compartment forming the other of said sections forward of said grid sections, a broiler pan support mounted within said broiler compartment, and a burner carried on the lower side of said cover.

2,029,450
HEAT EXCHANGER
Heinrich Christian Truchsen, Crefeld, Germany, assignor to the firm Lissen & Co., Crefeld, Germany
Application December 3, 1932, Serial No. 645,593
In Germany December 18, 1931
7 Claims. (Cl. 257—262)



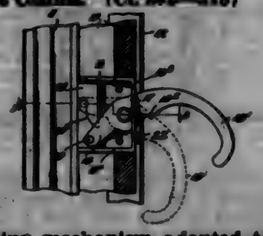
1. A heat exchanger arranged in a furnace or other source of heat in the path of the waste gases, comprising in combination heating elements, united in groups, ribs on said heating elements forming one cast-piece with their heating element, and needles cast on said ribs.

2,029,451
ELECTROLYTIC CONDENSER
Willem Christiaan van Geel and Hendrik Emmens, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware
Application February 25, 1933, Serial No. 656,962
In the Netherlands June 30, 1931
5 Claims. (Cl. 175—315)



1. An electrolytic condenser comprising a metallic electrode, an oxide coating on said metallic electrode, an electrolyte consisting of a solution of acid phosphate, and alcohol of the group including glycerol, for the purpose of preventing an attack on said oxide coating.

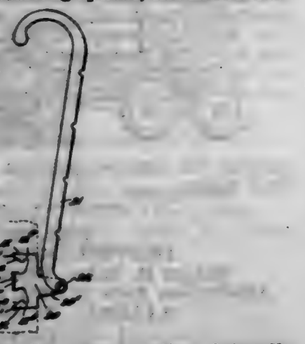
2,029,452
COMBINATION SASH AND SCREEN LATCH
Joseph N. Victor, Allentown, Pa.
Application December 15, 1933, Serial No. 702,625
8 Claims. (Cl. 292—218)



1. A latching mechanism adapted to be used with windows of the casement type having two swinging sashes which are disposed in parallel planes when closed, comprising, in combination, two catch members adapted to be secured respectively to the free edges of such sashes, a support adapted to be secured to the window frame member and having a portion which lies between the sashes when the sashes are in closed position, and a latch member pivotally mounted upon said support for swinging movements about an axis parallel to the planes of the sashes when closed and having spaced catch engaging portions which may be brought into latching engagement with both catches when moved in one direction and which may be moved in the opposite direction to disengage such catches.

2,029,453
DEVICE FOR SECURING ARTICLES OF HARDWARE TO WOODEN MEMBERS
Joseph N. Victor, Allentown, Pa.
Application December 15, 1933, Serial No. 702,627
2 Claims. (Cl. 16—1)

1. A device of the class described comprising a flat relatively thin base portion to which an article of hardware may be secured, and three anchoring elements integral with said base and disposed in the plane thereof, said elements being substantially parallel and the two outer elements being spaced from the intermediate element to provide two wood receiving spaces, the intermediate element having its stem portion laterally undercut to provide recesses for swelling wood fiber and the two outer elements being bendable in the plane of the device by wood pressure as the device is forcibly inserted.



2,029,454
MEANS AND METHOD OF PERFORATING WELL CASINGS
Walter T. Wells, Glendale, Calif., assignor to The Technicraft Engineering Corporation, Los Angeles, Calif., a corporation of California
Application July 7, 1934, Serial No. 734,171
19 Claims. (Cl. 81—188)



1. The combination with a gun type perforator adapted to be submerged in an incompressible medium; of an air receiver secured to the perforator, said receiver being closed at its upper end and open at its lower portion whereby said medium compresses air therein when submerged.

2,029,455
GRADE FINDING MECHANISM
Fred D. Wilson, Harvey, Ill., assignor to Western-Austin Company
Application July 21, 1932, Serial No. 623,992
22 Claims. (Cl. 37—156)

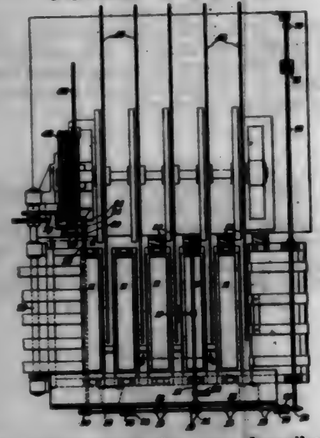
3. In a road machine provided with a road working tool capable of diagonal adjustment around a vertical axis, mechanism for angularly adjusting said tool with respect to the plane of the road bed or surface upon which the tool is operating, a fluid gauge at the operator's station

actuated by the angular position of said tool for indicating the angle thereof, and means for trans-



mitting the angular position of the tool to the fluid gauge.

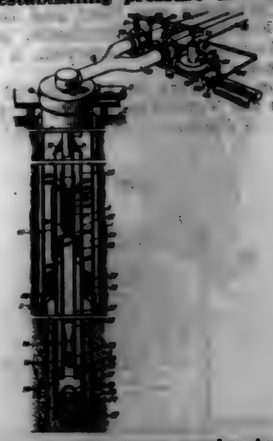
2,029,456
TRIPPING MECHANISM
Robert B. Zuber, Birmingham, Ala.
Application April 16, 1931, Serial No. 530,717
9 Claims. (Cl. 198—21)



1. In apparatus of the type described, a cooling wheel, a conveyor to convey work pieces thereto, driving means therefor, clutch mechanism to connect the driving means to said wheel and automatically operating tripper mechanism to engage with said work piece at a determined position on said conveyor to thereby operate said clutch mechanism to rotate the wheel through a prescribed degree of orientation, said wheel operating during said rotation to lift the said work piece from said conveyor, means to disengage said clutch at the end of said prescribed degree of rotation and braking means to terminate the rotation of the wheel, and means to operatively support said tripper mechanism along said conveyor in a plurality of positions to accommodate the same to varying lengths in said work piece.

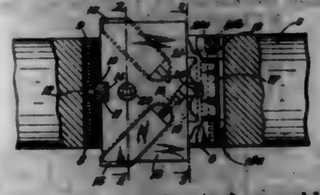
2,029,457
APPARATUS FOR FLOWING WELLS
Herbert F. Beardmore, Oklahoma City, Okla., assignor of one-half to Indian Territory Illuminating Oil Company, Bartlesville, Okla., a corporation of New Jersey
Application July 20, 1934, Serial No. 737,621
24 Claims. (Cl. 103—231)

1. Apparatus for flowing fluid from the bottom of a well including means at the bottom of the well for initially inducing flow of well fluid, means forming a reservoir above the bottom of the well to collect the induced flow, means for injecting a pressure medium into the well, an educer mechanism for intermittently discharging the pressure medium into the reservoir to blow the collected fluid from the reservoir, and means for establishing pressure differentials on



opposite sides of said educer mechanism to effect intermittent operation thereof.

2,029,458
BORING TOOL
Herman Berg, Cleveland, Ohio, assignor to The Kelly Reamer Company, Cleveland, Ohio, a corporation of Ohio
Application May 28, 1934, Serial No. 727,868
7 Claims. (Cl. 77—56)

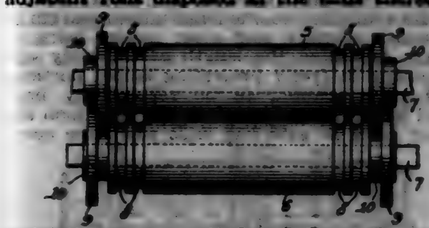


1. In a boring or reaming tool assembly, a boring bar having a slot formed therethrough, a tool block mounted in said slot, and a clamping assembly positioned between the tool block and adjacent end wall of the slot; said assembly comprising a clamping block having an elongated face adapted to exert clamping pressure on the tool block and rear cam portions at opposite extremities thereof, cam blocks disposed between said cam portions and the adjacent end wall of the slot, and a draw bolt connecting said cam blocks for contracting the latter into engagement with the cam portions and thereby move the clamping block into clamping position with respect to the tool block, each of said cam portions being relatively abrupt at its starting point to effect an initial relatively short and rapid throw of the clamping block and thereafter tapering off gradually to provide greater leverage for the cam blocks when the actual clamping action takes place.

2,029,459
ROLL FOR CLOTHES WRINGERS
George Fred Blume, Philadelphia, Pa.
Application July 25, 1935, Serial No. 33,165
2 Claims. (Cl. 68—23)

1. Wringer rolls embodying cooperating members, each member having annular grooves formed in the periphery thereof and disposed adjacent to the end thereof, the grooves of one roll alining with the grooves of the adjacent roll and

providing passageways, and cooperating disks on adjacent rolls disposed at the ends thereof for



restricting movement of wafer past the ends of the rolls.

2,029,460
DRINK VENDING MACHINE
Thomas Brady, West Caldwell, N. J.
Application February 27, 1931, Serial No. 518,893
7 Claims. (Cl. 226—31)



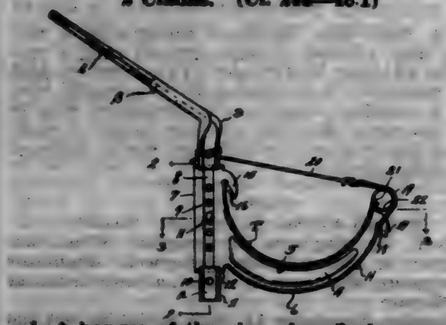
1. In a vending machine of the character described, a main beverage reservoir, an auxiliary reservoir connected to said main reservoir for receiving beverage flowing by gravity therefrom, said auxiliary reservoir being of lesser capacity than said main reservoir and having an air vent at its top for permitting the escape of vapors, means for heating the beverage within said auxiliary reservoir, a liquid measuring valve connected to said auxiliary reservoir, said liquid measuring valve having a hollow valve body therewithin of a size for receiving a predetermined quantity of beverage, and coin controlled means for causing the operation of said measuring valve to effect the dispensing of beverage from said hollow valve body.

2,029,461
REMOTE CONTROL FOR RADIO RECEIVERS
Chester E. Brush, Chicago, Ill., assignor to E. H. Scott
Application September 5, 1931, Serial No. 561,430
4 Claims. (Cl. 250—20)



1. In a heterodyne radio receiver, a first detector stage, means for tuning said first stage resonant to an incoming signal, an oscillator coupled to said first stage for generating a sine wave adapted to be mixed with the incoming wave to provide a beat frequency wave, an intermediate frequency amplifier resonant to the beat frequency wave, a detector for rectifying the signal, an audio frequency amplifier to amplify the output of the detector, and means to convert the signal to audibility, a second oscillator coupled to said first stage, means to convert said first tuned stage to a substantially aperiodic stage and simultaneously switch-out the first oscillator and switch-in the second oscillator whereby the set may be controlled from a remote point by the second oscillator.

2,029,462
HANGER FOR EAVES TROUGHS
Conrad A. Carbaugh, Fulton County, Pa.
Application February 2, 1935, Serial No. 4,715
2 Claims. (Cl. 248—48.1)



1. A hanger of the class described comprising an elongated channel supporting member, a trough holding member comprising a trough engaging arm, a plate carried by one end portion of the arm and having a rib snugly engaging within the channel member, and flanges at the opposite end portions of the plate having openings through which the supporting member is disposed with the rib within the channel, said flanges extending beyond the rib, the openings in the flanges conforming to the contour of the rib and of a size greater than the rib in cross section to permit the channel supporting member to snugly engage through said openings of the flanges.

2,029,463
PACKING FOR HOMOGENIZERS
John A. Clark, St. Johnsbury, Vt., assignor to Manton-Gaulin Manufacturing Company, Inc., St. Johnsbury, Vt., a corporation of Vermont
Application September 25, 1933, Serial No. 691,339
1 Claim. (Cl. 286—35)

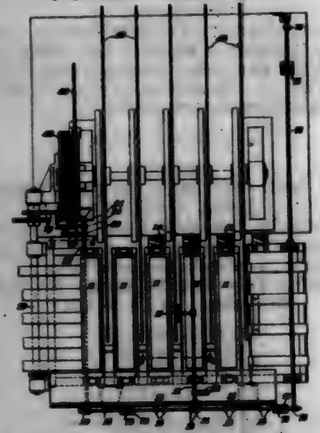


In an apparatus having a stationary cylinder block provided with a bore having a threaded enlarged outer end and a reciprocable plunger extending into said bore, the combination therewith of a stuffing box surrounding said plunger comprising an outer sleeve threaded in said enlarged outer end of the cylinder and having an inner packing receiving chamber extending from its inner end to a point adjacent the outer end, the outer end portion of said sleeve being internally threaded, an adjustable inner sleeve of a length substantially equal to the length of the outer sleeve, said inner sleeve being externally threaded for engagement with the internally threaded portion of the outer sleeve and normally

actuated by the angular position of said tool for indicating the angle thereof, and means for transmitting the angular position of the tool to the fluid gauge.



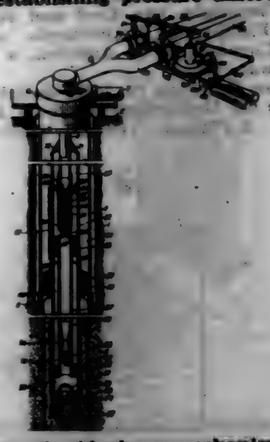
2,029,456
TRIPPING MECHANISM
Robert B. Zuber, Birmingham, Ala.
Application April 16, 1931, Serial No. 530,717
9 Claims. (Cl. 198—21)



1. In apparatus of the type described, a cooling wheel, a conveyor to convey work pieces thereto, driving means therefor, clutch mechanism to connect the driving means to said wheel and automatically operating tripper mechanism to engage with said work piece at a determined position on said conveyor to thereby operate said clutch mechanism to rotate the wheel through a prescribed degree of orientation, said wheel operating during said rotation to lift the said work piece from said conveyor, means to disengage said clutch at the end of said prescribed degree of rotation and braking means to terminate the rotation of the wheel, and means to operatively support said tripper mechanism along said conveyor in a plurality of positions to accommodate the same to varying lengths in said work piece.

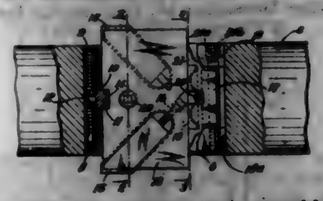
2,029,457
APPARATUS FOR FLOWING WELLS
Herbert F. Beardmore, Oklahoma City, Okla., assignor of one-half to Indian Territory Illuminating Oil Company, Bartlesville, Okla., a corporation of New Jersey
Application July 30, 1934, Serial No. 737,621
24 Claims. (Cl. 103—231)

1. Apparatus for flowing fluid from the bottom of a well including means at the bottom of the well for initially inducing flow of well fluid, means forming a reservoir above the bottom of the well to collect the induced flow, means for injecting a pressure medium into the well, an educer mechanism for intermittently discharging the pressure medium into the reservoir to blow the collected fluid from the reservoir, and means for establishing pressure differentials on



opposite sides of said educer mechanism to effect intermittent operation thereof.

2,029,458
BORING TOOL
Herman Berg, Cleveland, Ohio, assignor to The Kelly Reamer Company, Cleveland, Ohio, a corporation of Ohio
Application May 28, 1934, Serial No. 727,988
7 Claims. (Cl. 77—58)

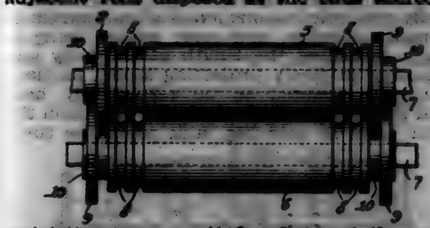


1. In a boring or reaming tool assembly, a boring bar having a slot formed therethrough, a tool block mounted in said slot, and a clamping assembly positioned between the tool block and adjacent end wall of the slot; said assembly comprising a clamping block having an elongated face adapted to exert clamping pressure on the tool block and rear cam portions at opposite extremities thereof, cam blocks disposed between said cam portions and the adjacent end wall of the slot, and a draw bolt connecting said cam blocks for contracting the latter into engagement with the cam portions and thereby move the clamping block into clamping position with respect to the tool block, each of said cam portions being relatively abrupt at its starting point to effect an initial relatively short and rapid throw of the clamping block and thereafter tapering off gradually to provide greater leverage for the cam blocks when the actual clamping action takes place.

2,029,459
ROLL FOR CLOTHES WRINGERS
George Fred Blume, Philadelphia, Pa.
Application July 25, 1935, Serial No. 33,165
2 Claims. (Cl. 68—23)

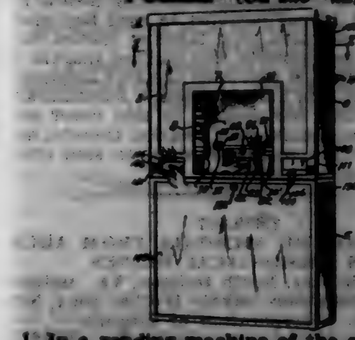
1. Wringer rolls embodying cooperating members, each member having annular grooves formed in the periphery thereof and disposed adjacent to the end thereof, the grooves of one roll alining with the grooves of the adjacent roll and

providing passageways, and cooperating disks on adjacent rolls disposed at the ends thereof for



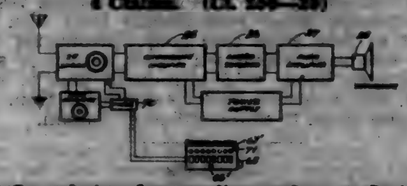
restricting movement of water past the ends of the rolls.

2,029,460
DRINK VENDING MACHINE
Thomas Brady, West Caldwell, N. J.
Application February 27, 1932, Serial No. 595,893
7 Claims. (Cl. 225—21)



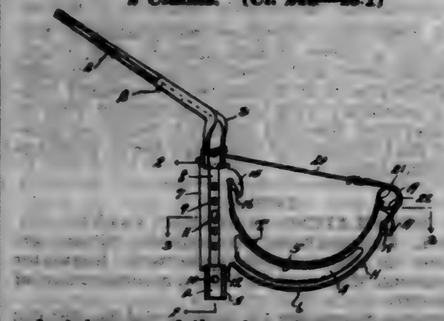
1. In a vending machine of the character described, a main beverage reservoir, an auxiliary reservoir connected to said main reservoir for receiving beverage flowing by gravity therefrom, said auxiliary reservoir being of lesser capacity than said main reservoir and having an air vent at its top for permitting the escape of vapors, means for heating the beverage within said auxiliary reservoir, a liquid measuring valve connected to said auxiliary reservoir, said liquid measuring valve having a hollow valve body therewithin of a size for receiving a predetermined quantity of beverage, and coin controlled means for causing the operation of said measuring valve to effect the dispensing of beverage from said hollow valve body.

2,029,461
REMOTE CONTROL FOR RADIO RECEIVERS
Chester E. Brush, Chicago, Ill., assignor to E. H. Scott
Application September 5, 1931, Serial No. 561,458
4 Claims. (Cl. 250—20)



1. In a heterodyne radio receiver, a first detector stage, means for tuning said first stage resonant to an incoming signal, an oscillator coupled to said first stage for generating a sine wave adapted to be mixed with the incoming wave to provide a beat frequency wave, an intermediate frequency amplifier resonant to the beat frequency wave, a detector for rectifying the signal, an audio frequency amplifier to amplify the output of the detector, and means to convert the signal to audibility, a second oscillator coupled to said first stage, means to convert said first tuned stage to a substantially aperiodic stage and simultaneously switch-out the first oscillator and switch-in the second oscillator whereby the set may be controlled from a remote point by the second oscillator.

2,029,462
HANGER FOR EAVES TROUGHS
Conrad A. Carbaugh, Fulton County, Pa.
Application February 2, 1935, Serial No. 4,715
2 Claims. (Cl. 248—48.1)



1. A hanger of the class described comprising an elongated channel supporting member, a trough holding member comprising a trough engaging arm, a plate carried by one end portion of the arm and having a rib snugly engaging within the channel member, and flanges at the opposite end portions of the plate having openings through which the supporting member is disposed with the rib within the channel, said flanges extending beyond the rib, the openings in the flanges conforming to the contour of the rib and of a size greater than the rib in cross section to permit the channel supporting member to snugly engage through said openings of the flanges.

2,029,463
PACKING FOR HOMOGENIZERS
John A. Clark, St. Johnsbury, Vt., assignor to Manton-Gaulin Manufacturing Company, Inc., St. Johnsbury, Vt., a corporation of Vermont
Application September 23, 1933, Serial No. 691,239
1 Claim. (Cl. 286—35)



In an apparatus having a stationary cylinder block provided with a bore having a threaded enlarged outer end and a reciprocable plunger extending into said bore, the combination therewith of a stuffing box surrounding said plunger comprising an outer sleeve threaded in said enlarged outer end of the cylinder and having an inner packing receiving chamber extending from its inner end to a point adjacent the outer end, the outer end portion of said sleeve being internally threaded, an adjustable inner sleeve of a length substantially equal to the length of the outer sleeve, said inner sleeve being externally threaded for engagement with the internally threaded portion of the outer sleeve and normally

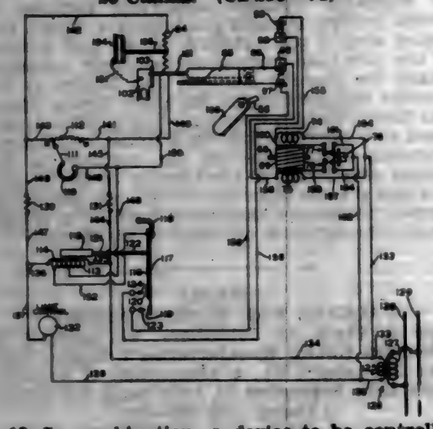
positioned substantially outside the packing receiving chamber, and packing rings normally positioned in said chamber and projectable along the plunger when the outer sleeve is removed from the cylinder block and the inner sleeve is threaded therethrough.

2,029,454
FINGER RING
Alfred E. Coleman, Corvallis, Oreg.
Application February 18, 1935, Serial No. 6,923
6 Claims. (Cl. 63—15)



4. A twin ring structure comprising a primary ring, a crown on said primary ring, a projection adjacent said crown, an aperture through said projection that is adapted to movably contain a secondary ring and a secondary ring in said aperture, the said aperture being so positioned that the axes of the rings are in substantial coincidence.

2,029,465
MODULATING ELECTRIC VALVE
Lewis L. Cunningham, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 11, 1933, Serial No. 697,686
29 Claims. (Cl. 236—74)



19. In combination, a device to be controlled which is biased to move to an extreme position, a single rotary electrical motor associated with said device for moving the same to a position other than its biased position and including a plurality of windings, a controller for energizing the windings sufficiently to cause the motor to move the device to a new position against its bias, and switching means controlled by movement of said device for energizing only part of said windings of the motor to cause the same to maintain the device in the position to which it had been moved when the energization of the motor windings was changed.

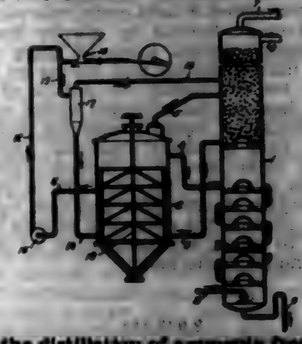
2,029,466
TRAVELING BAG
Max Damm, Newark, N. J.
Application May 21, 1934, Serial No. 726,750
3 Claims. (Cl. 190—45)

1. A frameless luggage roll, comprising a substantially cylindrical body having closed ends and provided at its top side with a substantially rectangular mouth opening, a cover section hingedly connected to one longitudinal margin of said mouth opening, said cover section being of a length exceeding the length of the body and terminating in freely projecting lappet portions at its ends adapted to be respectively bent around into overlapping relation to and upon the exterior faces of said bag ends when the cover



section is closed, releasable fastening means for securing said lappet portions to said bag ends, separable cooperative slide fastener means connected with the opposite longitudinal margin of said mouth opening and with the free longitudinal margin of said cover section, a substantially rigid reenforcing bar secured to said cover section in central longitudinal relation thereto, and a single carrying handle secured to said cover section and reenforcing bar.

2,029,467
DISTILLATION OF AMMONIA FROM AQUEOUS AMMONIACAL BRINES
George Gerald Day, North Holston, Va., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
Application June 7, 1934, Serial No. 729,391
8 Claims. (Cl. 202—37)

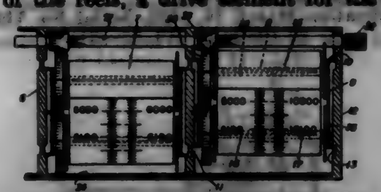


1. In the distillation of ammonia from aqueous ammoniacal brines, the improvement which comprises circulating the brine from a distillation column to a reaction vessel, maintaining a liquid body containing free lime in the reaction vessel, withdrawing liquor substantially inert with respect to lime from said body, introducing dry lime into said withdrawn liquor, returning said withdrawn liquor with introduced lime to said body, and returning lime-treated brine from the reaction vessel to said distillation column.

2,029,468
MOTOR VEHICLE SERVICE INDICATOR
Lillian E. Deibler, Chevy Chase, Md.
Application October 16, 1933, Serial No. 693,333
5 Claims. (Cl. 40—56)

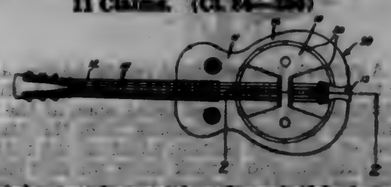
1. An indicator of the class described comprising a casing having a plurality of window openings, a reel support mounted for reciprocating

movement within the casing adjacent each of the openings, a pair of reels rotatably carried by each support, a web for each pair of reels movable across the respective openings upon rotation of the reels, a drive element for the reels



and a pivoted lever for each support for selectively moving the supports to operatively engage or disengage the reels with respect to the drive element and a sliding connection for the lever for locking the same in operative or inoperative position.

2,029,469
RESONATOR FOR STRINGED MUSICAL INSTRUMENTS
Rudolph Dopyera, Los Angeles, Calif.
Application October 11, 1933, Serial No. 693,111
11 Claims. (Cl. 84—296)



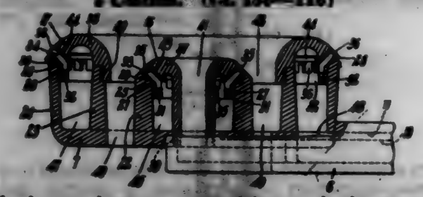
1. A hanger for a stringed musical instrument, said hanger including a depending skirt, said depending skirt having a pair of vertically spaced, resonator engaging portions thereon.

2,029,470
NOSE PAD CONNECTION FOR EYEGLASS FRAMES
Edgar R. Durgin, Newark, N. J., assignor to New Jersey Optical Company, Newark, N. J., a corporation of New Jersey
Application April 24, 1934, Serial No. 722,431
3 Claims. (Cl. 88—49)



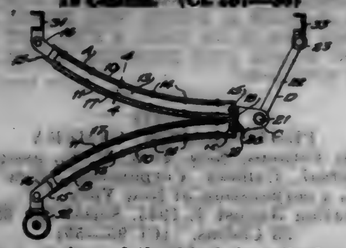
1. A nose pad connection for eyeglass frames, comprising an arm affixed to a lens rim of the frame, a pressed yoke frame integral with the free end of said arm, said yoke frame having a fulcrum bar extending substantially horizontally and aligned with the axis of said arm, a bottom bar extending parallel to said fulcrum bar and spaced downwardly therefrom, and laterally spaced vertical side bars transverse to said fulcrum bar and said bottom bar, a nose pad member, and a knuckle forming means transverse to the vertical axis of said nose pad member, said means comprising a knuckle tongue of a thickness substantially equal to the spacing of said fulcrum and bottom bars, said knuckle tongue having one end rigidly affixed to said nose pad member and its other end free, said tongue being bent around and pivotally engaged on said fulcrum bar and fitting snugly between said side bars and between said fulcrum and bottom bars with its free end in closed substantially abutting relation to its fixed end.

2,029,471
GAS BURNER
Bernard Field, Brookline, and George J. J. Clark, Whitman, Mass.
Application February 12, 1935, Serial No. 6,926
3 Claims. (Cl. 158—116)



1. A gas burner comprising a body member having a plurality of circular, upstanding concentrically arranged flanges embodied therein, certain of said flanges having frusto conical surfaces provided thereon and certain of said flanges having a passage for secondary air located therebetween, a facing member on each of said conical surfaces forming a seat thereon, a funnel shaped jet member mounted upon each of said seats and having a plurality of radial slots provided therein, burner heads detachably secured to said body member and co-operating therewith to form fuel chambers therein, facing members interposed between said jet members and said burner heads, said burner heads being adapted to clamp the jet members against their respective seats, whereby fuel ducts are formed at said slots between the facing members, said ducts communicating with their respective fuel chambers and the ducts from one chamber being adapted to discharge jets of flame across said passage for secondary air to preheat said air and adjacent to the wall of an adjacent fuel chamber whereby the fuel therein will also be preheated as it passes therethrough prior to combustion, and means to supply gaseous fuel to said fuel chambers.

2,029,472
SPRING FOR VEHICLES
Louis D. Foley, Louisville, Ky.
Application May 31, 1935, Serial No. 24,439
10 Claims. (Cl. 267—34)



1. In a spring of the kind described, a spring member comprising an upper elongated plate of spring metal, a lower elongated plate of spring metal, and a pair of channel bars extending along the said plates and secured thereto to hold said plates in spaced relation.

2,029,473
SUPERCHARGING DEVICE FOR OIL PUMPS
Charles E. Fee, Bakersfield, Calif.
Application January 29, 1934, Serial No. 708,714
10 Claims. (Cl. 103—5)

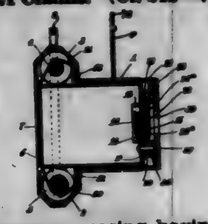
1. In combination, a reciprocating pump adapted for operation within a well; a rotary

pump adapted for operation within a well; and means operatively connecting one pump to the



other so that upon operation of the reciprocating pump the rotary pump would be actuated to forcibly inject fluid into the reciprocating pump.

2,029,474
PHOTOGRAPHIC CAMERA
Otto W. Githens, Indianapolis, Ind., assignor to Universal Camera Corporation, New York, N. Y., a corporation of New York
Application March 7, 1933, Serial No. 659,912
21 Claims. (Cl. 242—71)



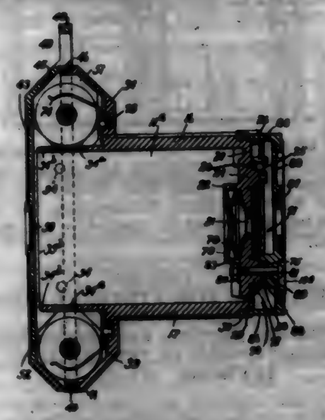
1. In a camera, a casing having an aperture, a film in cooperative relation with said aperture, a spool on which the film is wound, a head for said spool having a wedge-shaped groove the bottom of which is sloping with respect to the horizontal axis of the spool, a knob, and means operated by said knob projecting in the groove of said spool head.

2,029,475
PHOTOGRAPHIC CAMERA
Otto W. Githens, New York, N. Y., assignor to Universal Camera Corporation, New York, N. Y., a corporation of New York
Application August 4, 1933, Serial No. 683,595
23 Claims. (Cl. 95—59)



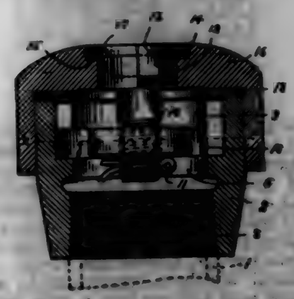
1. In a camera, a casing having an apertured front wall, a shutter cooperating with the aperture, an operating lever for said shutter, and a single rivet for holding in assembled position the operating lever, shutter and casing.

2,029,476
PHOTOGRAPHIC CAMERA
Otto W. Githens, New York, N. Y., assignor to Universal Camera Corp., New York, N. Y., a corporation of New York
Application March 10, 1934, Serial No. 714,909
23 Claims. (Cl. 95—31)



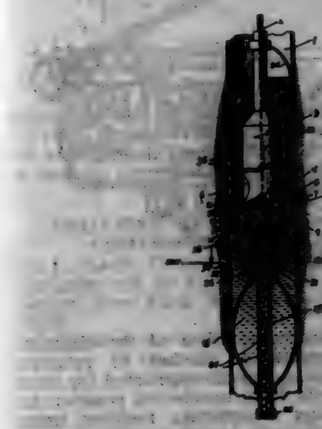
1. A camera comprising a casing having a portion forming a light chamber having a shutter aperture at the front and being open at the rear, chambered portions extending from the top and bottom of said first portion adjacent the rear end of the camera, and a back cover for said camera having side walls receiving the rear ends of the side walls of said first portion and having portions complementary to said first mentioned chambered portions to form chambers for film spools, and said back cover being formed with an integral extension formed with a sight opening.

2,029,477
TANK FILLING PIPE CLOSURE
Edward A. Gould and Hester De Caigny, Duluth, Minn.
Application April 24, 1935, Serial No. 18,963
2 Claims. (Cl. 138—89)



1. A pipe closure of the type described comprising a male portion for attachment to the pipe, a female portion slidably mountable externally upon said male portion, a holding bolt axially mounted within said female portion and having a circular shilled socket in its head for engagement with a suitable wrench, the upper portion of said head being flush with the upper surface of said female portion, and means screw-threadedly carried by said bolt for selective engagement or disengagement with the interior of said male member by rotation of said bolt.

2,029,478
MEANS AND METHOD OF PERFORATING DEEP WELLS
Marcus W. Haimes, Long Beach, Calif., assignor to Technicraft Engineering Corp., Los Angeles, Calif., a corporation
Application October 3, 1934, Serial No. 746,674
9 Claims. (Cl. 81—183)



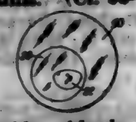
1. The combination with a submergible gun adapted to be fired while submerged; of a chamber connected with said gun said chamber containing a quantity of a compressible medium under pressure sufficient to flow from said chamber against the pressure of the liquid in which the gun is submerged; and means for discharging said medium into the region of gun-fire.

2,029,479
MULTIFOCAL OPHTHALMIC LENS AND BLANK THEREFOR
James H. Hammon, Vincennes, Ind.
Application May 31, 1932, Serial No. 612,706
6 Claims. (Cl. 88—54)



1. A fused multifocal lens blank comprising a main blank portion having a countersink of a single curvature therein, and a composite button comprising an exterior carrier portion formed of glass of the same index of refraction as said main blank portion and an interior segment of a different index of refraction, embedded in said exterior carrier portion so as to provide a shoulder therearound to permit preservation of the initial shape and area of the vision field of said segment in the finished lens, said button having a complemental single curvature on one of its surfaces throughout its entire area and being fused to said countersink in a position such that the portion of the surface of single curvature corresponding to said interior segment is located at a predetermined fixed point with respect to the center and deepest point of said countersink to thereby produce the desired prism in the segment vision field in the finished lens without changing the shape and area of said segment field.

2,029,480
MULTIFOCAL OPHTHALMIC LENS AND BLANK THEREFOR
James H. Hammon, Vincennes, Ind.
Original application May 31, 1932, Serial No. 613,706. Divided and this application March 27, 1934, Serial No. 717,632
4 Claims. (Cl. 88—54)

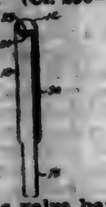


1. A fused trifocal lens blank comprising a main blank portion of one index of refraction having a countersink of a single curvature therein, and a composite button comprising an exterior carrier portion formed of glass of a second index of refraction, and a segment of glass of a third index of refraction embedded in said carrier portion so as to provide a shoulder therearound, said button having a complemental single curvature on one of its surfaces throughout its entire area and being fused to said countersink in a position such that the portion of the surface of single curvature corresponding to said segment is located at a predetermined fixed point with respect to the center and deepest point of said countersink to thereby produce the desired prism in the segment vision field in the finished lens without changing the shape and area of said segment field.

2,029,481
ESTERIFICATION OF CELLULOSIC MATERIALS
Joseph F. Haskins, Wilmington, Del., and William F. Underwood, Waynesboro, Va., assignors to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 29, 1933, Serial No. 663,373
11 Claims. (Cl. 18—54)

1. The method of making an ester of cellulose which comprises reacting at about 35° C. upon one of a group of substances consisting of regenerated cellulose, cellulose, and lowly esterified or etherified cellulose with a bath containing an aliphatic monocarboxylic acid anhydride, a substantially constant amount of the addition product of pyridine and hydrogen chloride, one of said last-named constituents being present in an uncombined state.

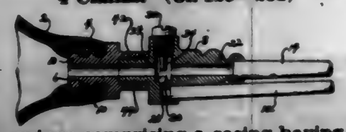
2,029,482
CATHODE FOR THERMIONIC VALVES
Adolf Haslauer, East Orange, N. J.
Application April 14, 1934, Serial No. 720,508
3 Claims. (Cl. 250—27.5)



3. In a thermionic valve having a supporting post, a cathode comprising, a cylinder formed from a strip of sheet metal having a cut out opening in one end portion thereof, the side edge portions of the strip being folded toward opposite surfaces of the strip and interlocked one with another, thereby providing the cylinder with a

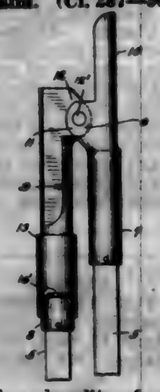
longitudinal reenforcing joint, the portions of said sheet metal strip at the sides of said cut out opening forming a continuation of said joint beyond the end of said cylinder, said joint continuation serving as an attaching tab.

2,029,483
WATER SYRINGE
James J. Holland, Parkesburg, Pa.
Application August 15, 1934, Serial No. 739,879
4 Claims. (Cl. 128—231)



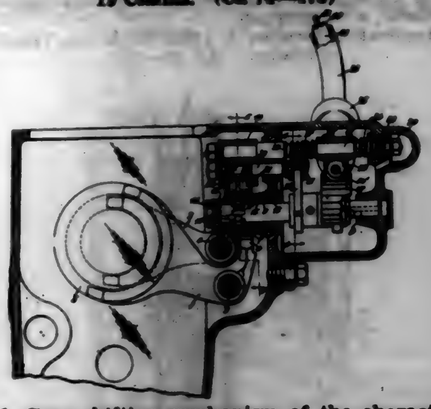
2. A syringe comprising a casing having a longitudinally extending passageway and a transversely extending passageway communicating with said longitudinally extending passageway; a removable stop plug having its inner end extending into the junction of said passageways, a rigid fluid exhaust tube joined to said casing, a rigid fluid inspiratory exhaust tube substantially paralleling said exhaust tube joined to said casing and having a larger cross-sectional area than said exhaust tube passageway, a valve seat in said casing located adjacent the mouth of said inspiratory tube, a valve adapted to move freely between the inner end of said plug and said valve seat, means to draw fluid through both the exhaust and the inspiratory tubes and to discharge the fluid only through the discharge tube, said valve closing the inspiratory tube whereby fluid may not be exhausted therethrough.

2,029,484
FISHING ROD
John R. Howard and Boyd Biggers, Concord, N. C.
Application March 18, 1933, Serial No. 661,691
1 Claim. (Cl. 287—96)



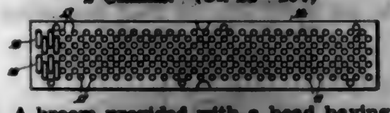
In a fishing rod, a plurality of sections, a hinge member pivotally connecting the adjacent ends of the sections, said hinge member comprising pivotally connected sections, one section of said hinge member having longitudinal cut-out portions disposed on opposite sides thereof and providing longitudinal shoulders, the opposite section of said hinge member having a central longitudinal cut-out portion defining lateral fingers, the sections of said hinge member being pivotally connected whereby the fingers of one section move through the longitudinal cut-out portion and engage the longitudinal shoulders bracing the sections, and a sleeve movable over the fingers holding the fingers into engagement with the longitudinal shoulders.

2,029,485
GEAR SHIFTING MECHANISM
Elmer G. Keating, Bloomfield, Mo.
Application October 18, 1933, Serial No. 694,046
19 Claims. (Cl. 74—473)



1. Gear shifting mechanism of the character described comprising a number of relatively shiftable elements, a spindle supported for longitudinal movements from unselected position and subsequent turning movements, resilient means for shifting said spindle longitudinally, cooperative locking elements controlled by said spindle and said resilient means respectively for locking said spindle against turning while said spindle remains in said unselected position, means for turning said spindle after longitudinal movement thereof, and mechanisms operative by said spindle for shifting said elements by said turning movements of said spindle after said spindle has been moved longitudinally from said unselected position.

2,029,486
BROOM
Justus H. Kinney, Boston, Mass.
Application June 29, 1934, Serial No. 733,011
2 Claims. (Cl. 15—197)



1. A broom provided with a head having projecting perpendicularly therefrom a plurality of normally separated U-shaped members of flat-sided spring metal arranged transversely and regularly spaced in parallel rows, one row overlapping an adjacent row, the free ends being adapted under sweeping pressure to be moved between and into alinement with said adjacent row while under spring tension tending to return said members to their original positions upon removal of said pressure.

2,029,487
ILLUMINATED CAUTERY ELECTRODE
Arnold Kleine, Flushing, N. Y., assignor to Comprex Oscillator Corp., New York, N. Y., a corporation of New York
Application February 16, 1934, Serial No. 711,474
4 Claims. (Cl. 240—2)

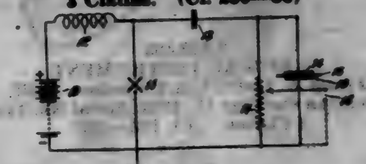
1. An illuminating device for a cautery electrode in which a pair of rigidly spaced conducting rods have an operative cauterizing loop bridging their forward ends, said device comprising a lamp bulb, a socket for the bulb, and means for mounting the socket closely alongside of

said rods with its axis parallel to said rods and in shunted electrical relation to said rods; said means comprising a pair of conductive supports



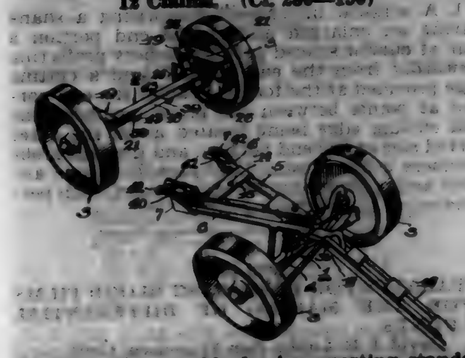
carried by said socket and adapted to engage said rods, respectively, and means for connecting said supports in mutually insulated relation to the socket terminals, respectively.

2,029,488
NEGATIVE RESISTANCE CRYSTAL CONTROLLED OSCILLATOR
Earl L. Koch, Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y., a corporation of New York
Application April 16, 1932, Serial No. 605,643
3 Claims. (Cl. 250—36)



1. In combination, an output circuit including a source of energy, a negative resistance device including a radio frequency choke, a piezo electric crystal means for energizing said device from said source of energy, a condenser in series with said crystal, said condenser and crystal series being connected in shunt with said negative resistance device with the condenser positioned between said crystal and a positive electrode in said device, and a potentiometer in parallel with said crystal and output terminals for said combination connected to said potentiometer.

2,029,489
TRANSPORT TRUCK
Charles Edward Kohl, Harvey, Ill., assignor to Western-Austin Company
Application September 19, 1933, Serial No. 633,727
12 Claims. (Cl. 280—150)



1. A truck assembly for transporting standard constructions of slow moving vehicles such as shovels, crawler type tractors, road rollers and the like, comprising front and rear sections provided with supporting wheels and an axle, a frame forming a part of said front section and mounted on and carried by the axle of said section, and supporting members forming a part of the rear section and mounted on and carried by the axle of said rear section, said frame and members adapted to be connected to the vehicle for sustaining and carrying the weight thereof.

2,029,490
METHOD AND MEANS FOR CONTROLLING DEEP WELL GUNFIRE FOR PERFORATING CASINGS
Wilfred G. Lane, Los Angeles, Calif., assignor to The Technicraft Engineering Corporation, Los Angeles, Calif., a corporation of California
Application December 20, 1932, Serial No. 648,049
25 Claims. (Cl. 81—18)



1. Apparatus for perforating well casing or the like comprising a tubing string, a gun body, connected to said tubing string, provided with a plurality of gun units each adapted, when discharged, to drive projectiles through a surrounding casing, and coactive means carried by said tubing string and said gun body, responsive to successive accumulations and releases of pressure within said tubing string for successively discharging projectiles from the several gun units.

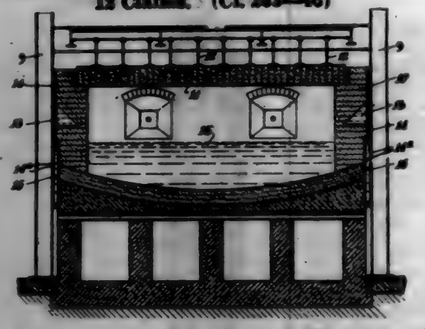
2,029,491
GUN TYPE FORMATION TESTER
Wilfred G. Lane, Los Angeles, Calif., assignor to The Technicraft Engineering Corporation, Los Angeles, Calif., a corporation of California
Application August 25, 1934, Serial No. 741,409
14 Claims. (Cl. 166—1)



1. A gun type formation tester comprising: a sample receiving means; and an initially sealed

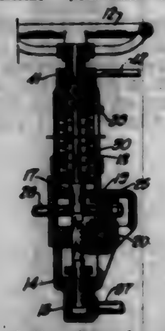
gun and projectile instrumentality for unsealing said sample receiving means and forming an avenue of communication from a surrounding formation into said sample receiving means said instrumentality and said sample receiving means forming a tool entity adapted to be lowered or raised in a well bore.

2,029,481
METALLURGICAL FURNACE OF THE SUSPENDED ARCH TYPE
Karl A. Lindner, Roselle Park, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application May 31, 1933, Serial No. 673,674
12 Claims. (Cl. 263—46)



1. In a metallurgical furnace of the suspended arch type, means for anchoring the refractory side walls of said furnace whereby vertical movement and failure of said side walls is prevented, said means comprising anchoring devices bearing downwardly on said side walls.

2,029,483
FLUID CONTROL DEVICE
Harry W. Link, Philadelphia, Pa., assignor, by mesne assignments, to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 20, 1934, Serial No. 721,540
2 Claims. (Cl. 103—38)



1. In a device of the class described, the combination with a variable stroke pump, of stroke adjusting means for said pump, a bracket secured to one side of said pump, having an open framework, a vertically disposed cylinder mounted at the lower end of said bracket having a piston operating therein, means connecting said cylinder to the pressure side of said pump, a substantially tubular extension provided at the upper end of said bracket, an extended cap secured to said extension, a vertically disposed rod slidably mounted in said bracket, and extending upwardly through said tubular portion and cap, said rod abutting the upper end of said piston, a rack integral with the lower end of said rod, a segmental gear journaled in said bracket meshing with said rack, a substantially horizontal rack secured to said stroke adjusting means also meshing with said segmental gear, a coil spring mounted in said tubular extension and cap, adapted to exert a downward pressure on said rod to move said stroke adjusting means toward on-stroke position, and means for adjusting the compression of said spring.

2,029,494
TREATMENT OF TOBACCO
Bert Loewenthal, New York, N. Y., assignor to Federal Tobacco Corporation, a corporation of New York
No Drawing. Application February 13, 1933, Serial No. 656,588
25 Claims. (Cl. 131—4)

1. The method of preparing tobacco which comprises removing gum, oils, nicotine and mineral matter from the leaf in an acid bath containing nitric and phosphoric acids.

2,029,495
SURGICAL INSTRUMENT
Frank A. Lowe, San Francisco, Calif.
Application October 17, 1934, Serial No. 748,613
2 Claims. (Cl. 128—305)



1. A surgical instrument comprising a shank having an enlarged and curved end portion a pair of curved spaced probe members projecting forwardly from the end portion, and a cutting edge provided at the forward end of the end portion at points between the probe members, the said cutting edge being located along the outer curved side of the end portion, and the said probe members being substantially parallel to one another and positioned in separate planes, each perpendicular to the cutting edge.

2,029,496
APPARATUS FOR PREPARING BLOOD FILMS FOR THE MAKING OF DIFFERENTIAL COUNTS
David J. B. Lubin, San Francisco, Calif.
Application April 24, 1935, Serial No. 17,988
4 Claims. (Cl. 88—29)

1. In an apparatus for preparing a film of blood between a pair of cover-slips, a base member, a block mounted on the base and longitudinally

movable thereon, means on the block for receiving and securing one of the cover-slips, said second cover-slip adapted to be placed on top thereof, means on the base engageable with the second cover-slip to hold it against movement when the



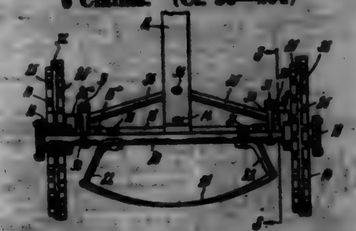
block and the first cover-slip are moved longitudinally on the base, and means on the block for receiving and supporting the second cover-slip when the first cover-slip is moved from in under the same.

2,029,497
METHOD OF SECURING HEELS TO SHOES
Solomon Molk, Lynn, Mass.
Application May 3, 1934, Serial No. 723,736
1 Claim. (Cl. 12—147)



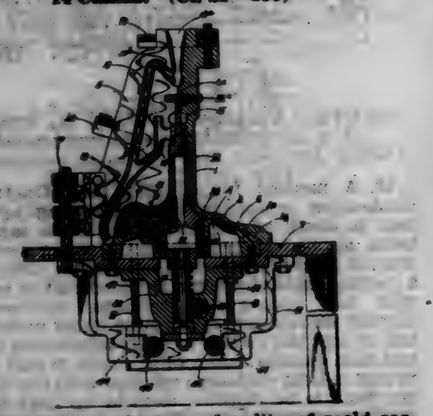
The method of attaching a heel to a shoe which comprises providing the heel with a plurality of separate double pronged fasteners, one prong of said fasteners being driven into the heel seat of the heel and the other prong of said fasteners being of such length as to not pass through the insole whereby the heel may be brought into a relatively close proximity to the heel seat of a shoe in order that a proper and precise positioning of the heel may be obtained, said prongs when driven in being adaptable to have sufficient engagement with the heel seat of the shoe to hold the heel temporarily in place, and then permanently securing the heel positioned as aforesaid to the shoe by nails driven through the heel seat into the heel from inside the shoe.

2,029,498
LAWN MOWER
Herbert B. Newton, Brookline, Mass.
Application August 2, 1934, Serial No. 738,636
6 Claims. (Cl. 56—294)



1. A tall grass and weed mower comprising a carrying frame having external and internal bearings, traction wheels journalled on the external bearings, a rock-shaft journalled in the internal bearings, spider arms fixed to the rock-shaft, a blade fixed to said arms and maintained thereby with its cutting edge parti-helical and substantially equidistant at all points from the shaft, and mechanism for rocking the shaft in its bearings to impart forward and backward oscillating movements to the blade.

2,029,499
METAL MOLD
Allen B. Norton and Marius Guyot, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 2, 1930, Serial No. 418,362
14 Claims. (Cl. 22—126)



7. In a mold, a base, a plurality of mold sections including a pair of sector shaped sections conjointly pivoted to each other and to said base, and a third sector shaped section pivoted to one of said pair of sections, said mold sections being arranged to fit together to define a casting cavity, and means for clamping said mold sections together.

2,029,500
COMPOSITE PICTURE
Willis H. O'Brien, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application September 13, 1933, Serial No. 689,169
5 Claims. (Cl. 88—16)

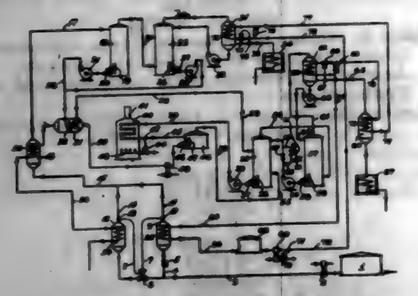


1. The method of eliminating screen surface irregularity effects in motion pictures which includes projecting a background picture component on a screen, vibrating said screen transversely of the direction in which said component is projected, and taking a series of photographs of said projected image while the screen is vibrating.

2,029,501
METHOD AND APPARATUS FOR DISTILLATION OF OIL
Alexander Griffith Pope, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application September 26, 1928, Serial No. 308,500
31 Claims. (Cl. 196—71)

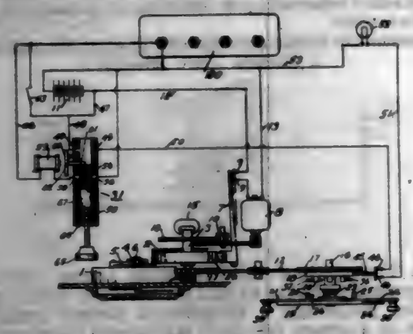
1. A method of distillation which comprises vaporizing a liquid, condensing the vapors by heat

exchange with a cooling fluid and preheating the liquid, passing to said vaporization, by heat exchange with the cooling fluid passing from said heat exchange with said vapors.



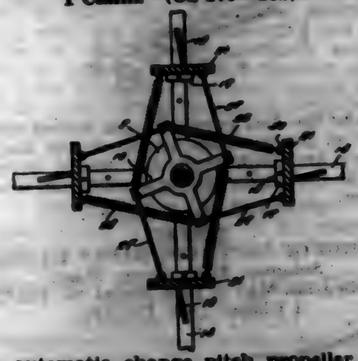
18. A method for distilling and fractionally condensing petroleum oils comprising applying heat to distill off the desired fractions, said heat being applied in proportion to the quantity of desired fractions present in the stock, circulating a cooling liquid through a closed circuit in contact with said vapors for fractional condensation thereof, circulating said cooling liquid under control to cool the vapors to a predetermined degree and then passing said cooling liquid in said closed circuit in heat exchange relation with the incoming stock to be distilled to yield up heat to said stock in proportion to the amount of heat absorbed during condensation of vapors.

2,029,502
AUTOMATIC CONTROL SYSTEM FOR AUTOMOBILE LIGHTS
George Paulson, Erie, Pa., assignor of one-third to George J. Miller, Erie, Pa.
Application August 2, 1934, Serial No. 738,093
5 Claims. (Cl. 161—1)



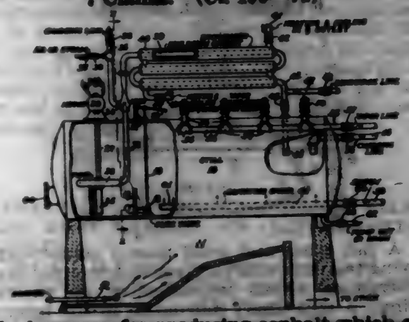
1. In a device of the class described, in combination, an illuminating circuit, a second circuit, a source of power for said circuits, a switch for breaking said illuminating circuit manually, means operated by the energy in said second circuit for automatically closing said manually operated switch when said second circuit is energized, said closing means preventing the permanent opening of said switch without permanent manual intervention when the second circuit is energized, and automatically operated selective means in said illuminating circuit for opening and closing said illuminating circuit at predetermined times.

2,029,503
AUTOMATIC CHANGE PITCH PROPELLER
Charles Peterson, Iron Mountain, Mich., assignor of forty per cent to Axel Nelson, Florence, Wis.
Application June 23, 1935, Serial No. 28,135
1 Claim. (Cl. 170—163)



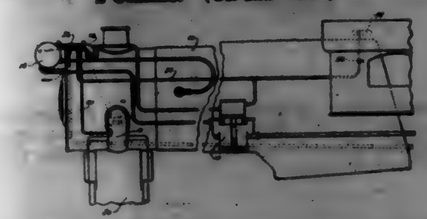
An automatic change pitch propeller of the class described comprising a hub, blade shafts radiating from said hub, said blade shafts having secured thereon spiral splines, airfoils mounted on said shafts and slidable along said splines on rotation of said airfoils, and equalizer rotatably mounted on said hub having spaced arms radiating therefrom, there being provided an arm for each blade radiating shaft, a connecting rod having one end connected to one side of each of said airfoils and the other end to one of the arms of the equalizer, a retracting spring having one end connected to each side of the airfoils at a point on the opposite side of the shaft to which the connecting rod is connected the other end of the retracting spring being connected to another of the arms of the equalizer, the springs and connecting rods of diametrically related aero foils being diametrically opposed, and of such a character that centrifugal movement of the airfoils is coordinatedly transmitted through the equalizer and exerted upon the spring means for coordinatedly positioning said airfoils at greater or less angulations to the plane in which the blade shafts lie.

2,029,504
METHOD FOR PRODUCING OXIDIZED ASPHALTS
Edward G. Ragatz, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application November 6, 1933, Serial No. 696,288
7 Claims. (Cl. 196—74)



1. A process for producing asphalt which comprises commingling oil with oxygen containing gas at an elevated oxidising temperature sufficient to oxidize the greater part of said oil into asphalt and subsequently maintaining said oxidized asphalt at a higher elevated temperature sufficient to polymerize oil fractions in said oxidized asphalt and under sufficient pressure to prevent material distillation of vaporizable oil fractions.

2,029,505
BALANCED AUTOMATIC VALVE
Emanuel Rawson, North Bergen, N. J., assignor to The Superheater Company, New York, N. Y.
Application January 9, 1934, Serial No. 705,841
2 Claims. (Cl. 122—441)



1. In a locomotive having a boiler, a feed water heater normally supplied with exhaust steam from the locomotive engine, a pump connected to feed water to said boiler through said heater, piping between said boiler and said pump for supplying live steam to the latter, a valve in said piping controlling the pressure of steam therein for regulating the rate of operation of said pump, and a connection between said piping and heater for supplying live steam to said heater during operation of said pump; a valve member in said connection balanced to be unaffected by the pressure of live steam in said connection; a piston connected with said valve member and subject to the engine operating pressure for normally maintaining said valve member in closed position; and spring means acting on said valve member in opposition to said engine operating pressure for moving it to open position at a definite engine operating pressure irrespective of the pressure of live steam supplied to said pump and heater through said piping and connection under the control of said valve.

2,029,506
SOAP STABILIZER
Robert M. Reed, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application August 22, 1933, Serial No. 685,356
6 Claims. (Cl. 87—16)

1. The process of stabilizing soap products which comprises incorporating therewith para-tertiary-amyl phenol.

2,029,507
METHOD OF MAKING HOLLOW FORGED VALVES
William Seringeour, Washington, D. C.
Application December 15, 1934, Serial No. 758,566
3 Claims. (Cl. 29—156.7)

1. The method of forming a hollow poppet valve from a metal blank having a diameter intermediate that of the desired head and stem diameters, which comprises shaping the outer surface of that portion of the blank which is to constitute the outer head wall to the form of a semi-spherical surface having a projecting bead at the diameter thereof, reducing the diameter of the blank at the portions adjacent said bead, and pressing the said portions of the blank to



form a valve head having the metal of said bead at the rim thereof.

2,029,508
METHOD OF MAKING HOLLOW ARTICLES
William Seringeour, Washington, D. C.
Application March 27, 1935, Serial No. 13,348
10 Claims. (Cl. 29—156.7)



1. The method of forming a hollow valve which comprises punching a solid cylindrical blank to form a hollow tube having an end wall of substantially the thickness of the side wall thereof, working down the tubular portion of the blank from a portion adjacent said end wall to form an elongated stem, and pressing the end wall axially to form a valve head.

2,029,509
ARYLAMIDES OF 2,3-HYDROXYNAPHTHOIC ACIDS.
Wilfred Archibald Sexton, Huddersfield, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 19, 1934, Serial No. 706,145. In Great Britain December 23, 1931
4 Claims. (Cl. 260—124)

1. Naphthalene derivatives having the following general formula:

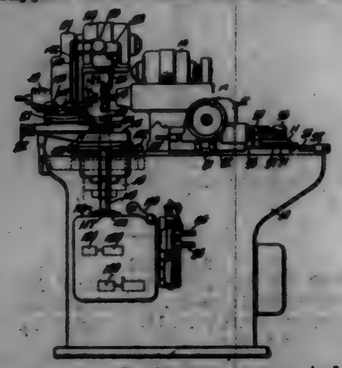


in which R and R' represent aryl radicals of the benzene or naphthalene series.

2,029,510
HYDRAULIC BALL RACK GRINDER
Amos P. Steiner, Edgar P. Wine, and Harold E. Balsiger, Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa., a corporation of Pennsylvania
Application August 30, 1929, Serial No. 389,492
23 Claims. (Cl. 51—97)

23. In a grinding machine, the combination of a bed, a grinding wheel support, a grinding wheel mounted thereon for rotation, fluid pressure means for moving said grinding wheel support rapidly transversely of said bed to position the

grinding wheel for grinding, means for controlling the movement of the wheel support for producing a slow continuing grinding feed of the wheel support in the same transverse direction,



including a screw, fluid pressure operated means for rotating said screw, and automatic means for initiating the operation of said last-named fluid pressure means when said grinding wheel is positioned for grinding.

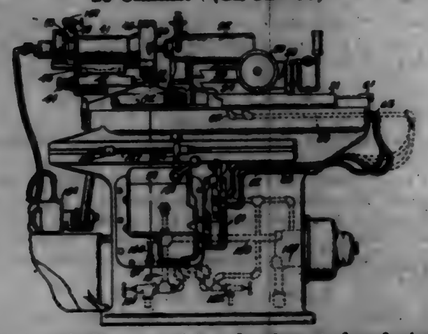
2,029,511

HYDRAULIC RAIL RACK GRINDER

Amos P. Steiner, Edgar P. Wine, and Harold E. Balsiger, Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa., a corporation of Pennsylvania

Application October 22, 1929, Serial No. 401,500

16 Claims. (Cl. 51—97)



1. A grinding machine having a head-stock support, a head-stock mounted on the support, means for oscillating the head-stock support, and means for rotating the head-stock, a grinding wheel, means for moving the grinding wheel axially and transversely of the head-stock, all of said means being fluid operated and a single control lever for controlling operation of all of the said means, and independent control means for causing the grinding wheel to move axially of the work to position the grinding wheel in wheel dressing position, substantially as set forth.

2,029,512

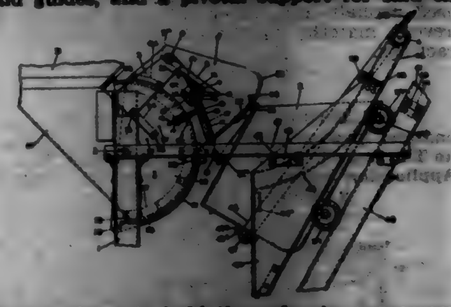
MATERIAL HANDLING MECHANISM

Orval E. Strawn, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application April 8, 1931, Serial No. 528,141

23 Claims. (Cl. 214—122)

1. In material handling apparatus, the combination with a chute, of a valve having the shape of a segment of a cylinder, arcuate guides for said valve, vertical enclosure plates connected to the outer edges of the valve and spaced from said guides, and a pivotal support for said en-



closure plates to hold the valve in engagement with the guides, the plates having egress openings adapted to occupy their lowest positions when the valve is open.

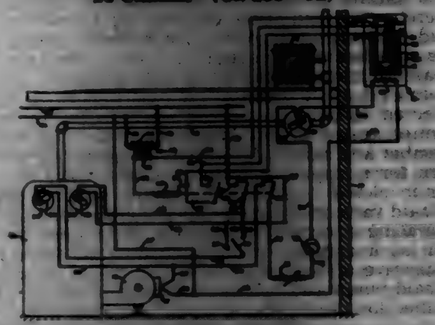
2,029,513

TEMPERATURE CONTROL SYSTEM

Daniel G. Taylor, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application April 28, 1926, Serial No. 104,153

13 Claims. (Cl. 236—91)



1. In a system of the class described, steam heating means for heating a building, a controller responsive to outside atmospheric conditions, heating means for the controller, means responsive to the temperature of the controller for energizing both of said heating means, and means to prevent energization of the controller heating means until the building heating means is about to heat the building.

2,029,514

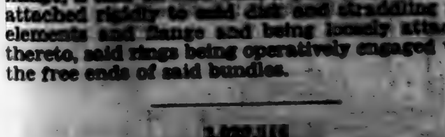
THREAD CUTTING TOOL

Robert Thomsen, Arlington, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y., a corporation of Delaware

Application April 28, 1934, Serial No. 722,257

1 Claim. (Cl. 10—141)

A tap for cutting Dardelet internal screw threads, characterized in that said tap has a body threaded and fluted to provide lands with a helical series of thread groove cutting teeth in interrupted sequence on the lands in succession around the tap to reduce strain on the tap, a helical series of thread groove cutting teeth in uninterrupted sequence immediately following said interrupted teeth, a helical series of thread crest trimmers immediately following said uninterrupted teeth and having cutting edges inclined slightly toward the tap axis longitudinally of the tap, the land surfaces at and between the bases of all of the groove cutting teeth on the lands in advance of said crest trimmers being nearer the tap axis than said crest-trimming edges to avoid all crest-trimming action in advance of



said crest trimmers, a helical series of groove-entering guide teeth in uninterrupted sequence immediately following said crest trimmers, and a helical series of groove-entering guide teeth in interrupted sequence immediately following said uninterrupted guide teeth.

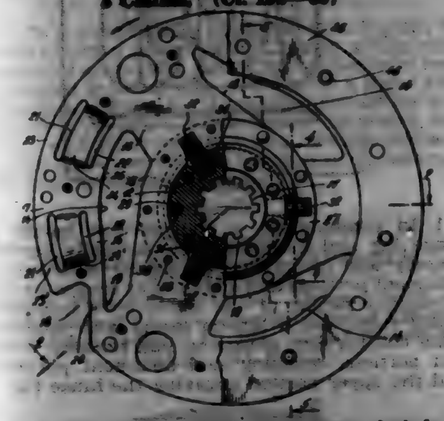
2,029,515

CLUTCH TRANSMITTING DISK

Elmer V. J. Tower, North Syracuse, N. Y., assignor, by direct and mesne assignments, of one-half to The Russell Manufacturing Company, Middletown, Conn., a corporation of Connecticut, and one-half to Brown-Lipe Gear Company, Toledo, Ohio, a corporation of New York

Application March 8, 1930, Serial No. 434,256

3 Claims. (Cl. 192—68)



1. A clutch plate which comprises a hub having a flange provided with radial pockets, a plurality of spring bundles, one in each pocket and projecting outwardly beyond the periphery of the flange, a disk on said hub, a pair of dished rings attached rigidly to said disk and straddling said elements and flange and being loosely attached thereto, said rings being operatively engaged with the free ends of said bundles.

2,029,516

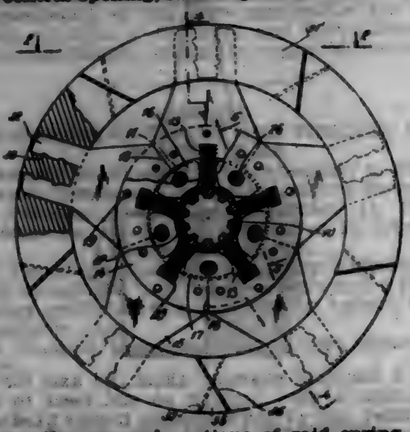
TRANSMITTING ELEMENT

Elmer V. J. Tower, North Syracuse, N. Y., assignor, by direct and mesne assignments, of one-half to The Russell Manufacturing Company, Middletown, Conn., a corporation of Connecticut, and one-half to Brown-Lipe Gear Company, Toledo, Ohio, a corporation of New York

Application May 2, 1930, Serial No. 449,597

4 Claims. (Cl. 192—68)

1. A transmitting element for use in a clutch which comprises a hub having a circumferential flange provided with a plurality of angularly spaced recesses, a plurality of leaf spring elements one for each recess having a portion seated in the recess and another portion lying exposed outside the recess, a disc having an opening through which the hub extends, the disc including a pair of rings on opposite faces thereof in part defining said central opening, said rings having recesses to



receive the exposed portions of said spring elements, means securing the disc and hub together and permitting them a limited degree of relative angular movement, the spring elements being flexed in and resisting said movement, friction material carried by the disc and means engaging the opposite sides of said spring elements to prevent their lateral displacement.

2,029,517

DISTRIBUTOR MEMBER FOR STOKERS

Edwin Archer Turner, New York, and Charles J. Sardy, Tuckahoe, N. Y., assignors to The Standard Stoker Company, Incorporated, a corporation of Delaware

Application November 15, 1934, Serial No. 753,992

4 Claims. (Cl. 110—101)



1. In combination, a firebox having an upstanding wall with a firing opening therein, a distributor member in said firing opening, and means for supporting said member from the firebox wall comprising pins extending toward each other from the opposite side portions of the firebox wall forming the sides of the firing opening and downwardly opening grooves in the adjacent ends of said member receiving said pins.

2,029,518

GARDEN ROLLER MANUFACTURE

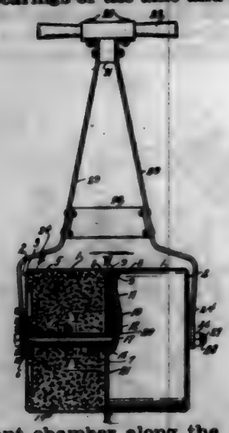
David B. Budd, Amsterville, Mich., and Frank C. Spohr, Toledo, Ohio

Application August 23, 1934, Serial No. 741,154

4 Claims. (Cl. 55—43)

1. A garden roller section comprising a tread, end pieces, a hub centered by the end pieces, one of said end pieces having opening means for pour-

ing of a cast therein, said hub having key projection means to cooperate with the cast, an axle having spaced bearings terminally of the hub, said spaced bearings of the axle and hub provid-



ing a lubricant chamber along the axle for the bearings, a duct through an end piece to said chamber, and a roller propelling handle fixed with the axle.

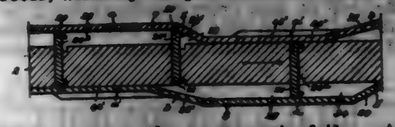
2,029,519
STOKER
Washington T. Cappe, Baltimore, Md., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application April 10, 1935, Serial No. 15,516
3 Claims. (Cl. 198—15)



1. In a locomotive and tender, a stoker conveying system including a conduit having a fuel receiving and transferring portion and a fuel discharge portion, said conduit portions being arranged in endwise communication, screw conveying means disposed within the fuel receiving and transferring portion of said conduit, a conveying screw in the fuel discharge portion of said conduit, the screw conveying means in said fuel receiving and transferring conduit portion being free at its forward end and spaced from the rearward end of the conveying screw in said fuel discharge conduit portion, driving means for said screws, a shaft operatively connecting said driving means with the screw conveying means in the fuel receiving and transferring portion of said conduit and shafting at one end universally connected with the screw in the discharge portion of said conduit and at the other end operatively connected with said driving means.

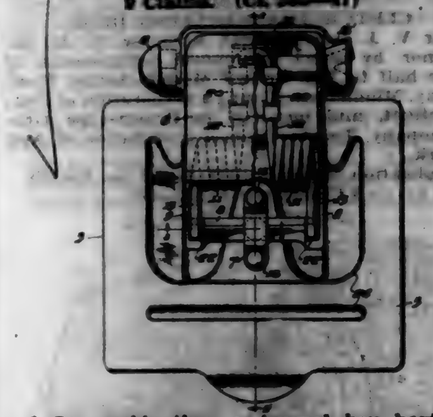
2,029,520
PUMP OR MOTOR
William J. Carey, Cleveland Heights, Ohio
Application July 12, 1934, Serial No. 735,029
14 Claims. (Cl. 103—139)

1. In a pump or motor of the class described, in combination, a rotor, a pumping chamber in which said rotor operates, blades mounted in the rotor and axially movable with respect to the latter to engage at one end with a wall of said pumping chamber, while the opposite end is free from the opposite wall of said chamber at a predetermined point in the travel of the blades with the rotor, whereby the pressure fluid acting upon



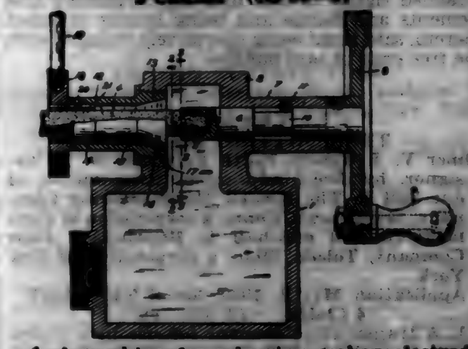
the blades during the movement of the rotor is adapted to shift the blades to maintain one end thereof in fluid tight contact with a wall of the chamber.

2,029,521
JOURNAL BOX
Glenn F. Couch, Rochester, N. Y., assignor to The Symington Company, New York, N. Y., a corporation of Maryland
Application November 20, 1930, Serial No. 497,636
9 Claims. (Cl. 308—47)



1. In combination, a journal box having a hinge lug and a lid assembly pivotally carried thereby and comprising a retainer with spring abutment portions and a lid proper connected adjacent the center of the latter by a ball-and-socket joint, and a torsion spring with intermediate coil portions seated on said retainer, lower end portions engaging said abutment portions, and the upper portion engaging the hinge lug.

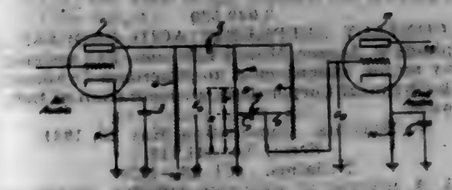
2,029,522
MACHINE FOR SALVAGING CARBONS
Wallace E. Cross, Detroit, Mich.
Application January 21, 1935, Serial No. 2,340
5 Claims. (Cl. 83—1)



1. A machine for salvaging carbon electrodes comprising a support, a shaft rotatable and lon-

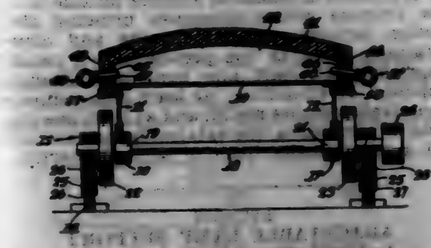
gitudinally slidable on said support, a common means for rotating and sliding said shaft, an annular cutting tool terminally mounted on said shaft, a sleeve coaxial with said shaft detachably mounted on said support in spaced relation to the cutting tool, a collet mounted in said sleeve and longitudinally slit to form with the sleeve a chuck adapted to clamp a carbon electrode in coaxial relation with said cutting tool, means carried by said sleeve resisting rotation of said collet, means for effecting contraction of the collet, and means for limiting sliding actuation of said shaft.

2,029,523
TONE COMPENSATED VOLUME CONTROL
Leslie F. Curtis, Springfield, Mass., assignor to United American Bosch Corporation, Springfield, Mass., a corporation of New York
Application September 11, 1934, Serial No. 743,534
9 Claims. (Cl. 179—1)



1. In a compensated volume control circuit, an audio source, a potentiometer having a resistance connected across said source, a variable resistance connected in series with said source, a slider arm on said potentiometer, a movable contact on said variable resistance, a condenser connected between said slider arm and said movable contact, and an output connection between said condenser and said movable contact.

2,029,524
PROCESS OF MAKING EXPANDED VERMICULITE
Paul S. Denning, Joliet, Ill., assignor to F. E. Schundler & Co., Inc., a corporation of Illinois
Application January 21, 1932, Serial No. 587,950
6 Claims. (Cl. 252—1)



1. A method of expanding vermiculite which consists of suddenly subjecting the material to a high temperature within an enclosed space for not over fifteen seconds, agitating the mass during exposure and then suddenly subjecting the mass to atmospheric temperature and submerging the same in water, removing the excess moisture and immediately thereafter exposing the mass to a high temperature within a closed space for not to exceed fifteen seconds and finally suddenly subjecting the mass again to atmospheric temperature.

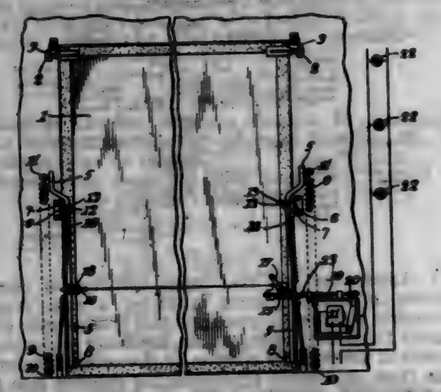
4. A method of expanding vermiculite material which consists in suddenly introducing the same into an elongated passage, having heat applied thereto from a plurality of nozzles distributed along substantially the entire length of the passage and directed transversely to the flow of material, causing the material to pass along said passage and be heated from said nozzles and simultaneously causing the turning of the particles independently of the heat application for exposing all sides to the heat, and then substantially immediately cooling the expanded material.

2,029,525
TRANSPARENT TISSUE AND PROCESS OF MAKING SAME
Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application November 14, 1929, Serial No. 407,292. Renewed May 31, 1934
4 Claims. (Cl. 91—68)

1. Paper carrying a transparency augmenting resin including a urea aldehyde resin and a plasticising synthetic resin including an acetone formaldehyde resin.

3. Glassine paper carrying a urea aldehyde resin.

2,029,526
DOOR OPENING APPARATUS
William D. Ferris, Sterling, Ill., assignor to Frantz Manufacturing Co., Sterling, Ill., a corporation of Illinois
Application July 14, 1933, Serial No. 680,442
4 Claims. (Cl. 20—19)

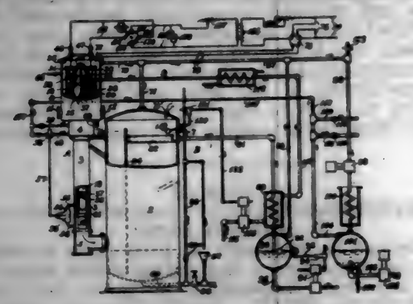


1. In an automatic self-opening garage door of the class wherein springs are employed for opening the door, when the latter is unlocked, the combination of locking mechanism for attachment to the inner side of the door, and electromagnetic control mechanism forming no part of said locking mechanism and adapted and designed for attachment to the doorway in position to engage and move said locking mechanism into unlocking position on the door, thereby to unlock the latter.

2,029,527
ELECTRICAL DEHYDRATOR
Harmon F. Fisher, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application May 8, 1933, Serial No. 669,844
8 Claims. (Cl. 204—24)

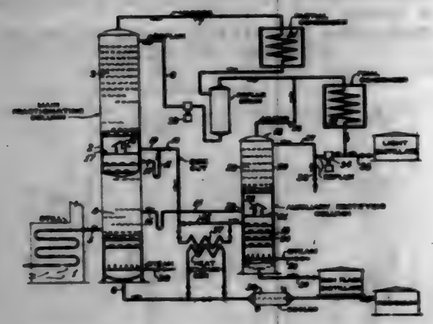
1. A process for dehydrating petroleum emulsions comprising flowing the emulsion to be treated downward through an elongated vertical in-

terrupted electric treating field, injecting gas into the downward flowing emulsion and causing said



gas to rise through said emulsion in said treating field.

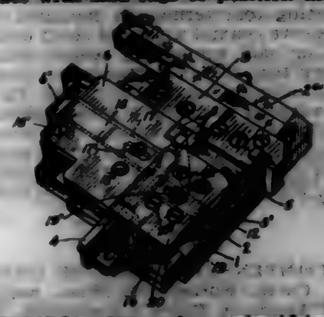
2,029,528
FRACTIONAL DISTILLATION
Earle W. Gard, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application May 21, 1932, Serial No. 612,782
9 Claims. (Cl. 196—139)



7. Apparatus for fractional distillation comprising in combination a vaporizer, a main fractionating column to condense and fractionate the vapors from the vaporizer, an auxiliary vaporizer, means to withdraw a portion of the reflux condensate from said main fractionating column and to transfer said withdrawn reflux condensate to said auxiliary vaporizer, an auxiliary fractionating column, means to pass vapors from said auxiliary vaporizer through said auxiliary fractionating column, means to withdraw overhead fractions from said auxiliary fractionating column, and means to transfer reflux condensate from said auxiliary fractionating column to a point in the main fractionating column lower therein than the reflux condensate withdrawal means.

2,029,529
TYPOGRAPHIC MOLD
Maurits C. Indahl, Rydal, Pa., assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a corporation of Virginia
Application August 9, 1934, Serial No. 739,866
9 Claims. (Cl. 199—93)

1. A typographic mold comprising type blocks, each having a cast forming surface and each provided with a lateral positioning lug extending parallel to said cast forming surface, and a point block having positioning surfaces adapted to contact with said lugs to position and main-



tain the cast forming surfaces of said type blocks at definite point size positions.

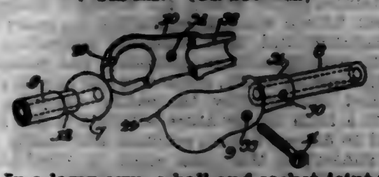
2,029,530
CONTACT SULPHURIC ACID PROCESS
Alphons O. Jaeger, Mount Lebanon, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware
No Drawing. Application May 29, 1931, Serial No. 541,118
7 Claims. (Cl. 23—175)

1. A process of oxidizing sulphur dioxide to sulphur trioxide, which comprises bringing about reaction between sulphur dioxide and oxygen containing gases in the presence of a catalyst comprising massive fragments of diatomite brick with which are associated at least one nonbase exchanging catalytically active compound of vanadium and at least one promoter.

2,029,531
CONTACT SULPHURIC ACID PROCESS
Alphons O. Jaeger, Mount Lebanon, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware
No Drawing. Application May 29, 1931, Serial No. 541,119
4 Claims. (Cl. 23—175)

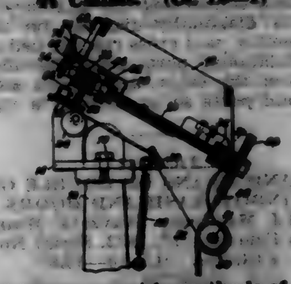
1. A process of oxidizing sulphur dioxide to sulphur trioxide which comprises bringing about reaction between sulphur dioxide and oxygen containing gases in the presence of a catalyst comprising at least one nonbase exchanging compound of vanadium, at least one compound of an alkali forming metal, and at least one compound of aluminum, the catalyst being associated with a catalytically inactive siliceous carrier.

2,029,532
ADJUSTABLE LAMP SUPPORT
Arthur A. Karcher, Fostoria, Ohio
Application July 14, 1933, Serial No. 680,443
7 Claims. (Cl. 287—12)



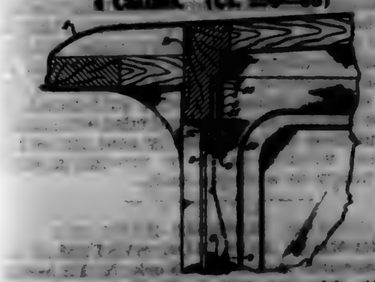
4. In a lamp arm, a ball and socket joint therefor comprising a member with a ball on the end thereof, another member with a pair of clamping jaws on the opposite sides of the end thereof, forming a ball socket between them, for said ball, and providing an articulated support for the lamp, one jaw being rigidly fastened to the member, the other jaw being loose on the opposite side of the member, so that this other jaw has a clamping action at both ends thereof, a ball clamping action at one end and a member clamping action at the other end, and a screw extending through the two jaws, between the ball and the second mentioned member, said screw being loose in one jaw and screw threaded in the other jaw, whereby relatively adjustable clamping jaws are provided, with the second mentioned member clamped between the jaws at one end of the latter, and with said ball clamped between them at the other end.

2,029,533
METHOD OF AND APPARATUS FOR OPERATING ON THE SOLE EDGES OF RUBBER-SOLED SHOES
Fay D. Kinney, Smithbridge, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 1, 1933, Serial No. 674,782
44 Claims. (Cl. 12—1)



1. That improvement in methods of closing the sole edge of a rubber-soled shoe by pressing the sole edge against the adjacent portion of the upper or foxing characterized by the progressive application of pressure to successive portions of the sole edge in a direction extending crosswise of the sole edge from the tread surface toward the upper.

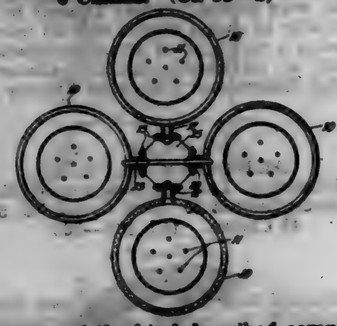
2,029,534
MOTOR VEHICLE
Archer L. Knapp, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 25, 1930, Serial No. 498,979
4 Claims. (Cl. 296—66)



2. In a motor vehicle, the combination of a header bar; a visor comprising a plurality of sheet metal plates arranged in alignment, the adjacent marginal portions of adjacent plates being hinged together to allow the plates to swing relatively in planes transverse to the planes of the plates,

and a hinge pin engaging said adjacent marginal portions, the engagement of the sections with the pin frictionally maintaining the plates in any angular position of adjustment; and means securing a visor end plate against the rear face of the header bar.

2,029,535
MEANS FOR POACHING EGGS
Adrian L. Langel, Chicago, Ill., assignor to Chicago Metallic Manufacturing Company, a corporation of Illinois
Application May 16, 1935, Serial No. 21,794
6 Claims. (Cl. 53—1)



1. A device of the kind described comprising a plurality of receptacles, an individual handle for each receptacle, each individual handle being formed with a tapered portion, and a handle common to all of said receptacles and having tapered pocket-like portions for detachably holding the tapered portions of said individual handles.

2,029,536
MAP CABINET
Robert B. Lawton, Chicago Heights, Ill., assignor to Weber Costello Co., Chicago Heights, Ill., a corporation of Illinois
Application June 15, 1934, Serial No. 730,717
7 Claims. (Cl. 40—33)

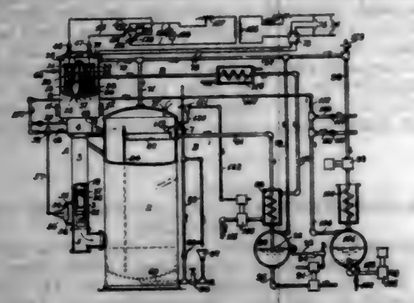


1. In a device of the character described, a frame structure, a bar adapted to support a display sheet, and means removably and replaceably connecting said bar and display sheet as a unit to said frame structure, said means comprising a bracket on said structure defining a laterally flared opening to receive one end of said bar, and a bar securing element disposed adjacent the other end of said bar operating to restrain said bar against forward displacement relative to said structure.

2,029,537
DEFORMABLE PLATE FOR VARIABLE CONDENSERS
Kurt Lucas, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 24, 1931, Serial No. 558,947
In Germany October 16, 1930
7 Claims. (Cl. 175—41.5)

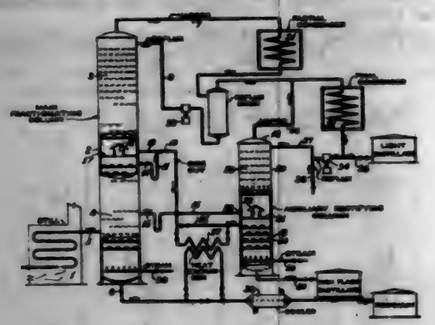
1. Condensers especially of the multiple-unit type, comprising one or more deformable elec-

terrupted electric treating field, injecting gas into the downward flowing emulsion and causing said



gas to rise through said emulsion in said treating field.

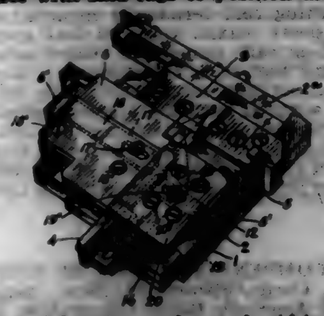
2,029,528
FRACTIONAL DISTILLATION
Earle W. Gard, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application May 21, 1932, Serial No. 612,782
9 Claims. (Cl. 196—139)



7. Apparatus for fractional distillation comprising in combination a vaporizer, a main fractionating column to condense and fractionate the vapors from the vaporizer, an auxiliary vaporizer, means to withdraw a portion of the reflux condensate from said main fractionating column and to transfer said withdrawn reflux condensate to said auxiliary vaporizer, an auxiliary fractionating column, means to pass vapors from said auxiliary vaporizer through said auxiliary fractionating column, means to withdraw overhead fractions from said auxiliary fractionating column, and means to transfer reflux condensate from said auxiliary fractionating column to a point in the main fractionating column lower therein than the reflux condensate withdrawal means.

2,029,529
TYPOGRAPHIC MOLD
Maurits C. Indahl, Rydal, Pa., assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a corporation of Virginia
Application August 9, 1934, Serial No. 739,866
9 Claims. (Cl. 199—93)

1. A typographic mold comprising type blocks, each having a cast forming surface and each provided with a lateral positioning lug extending parallel to said cast forming surface, and a point block having positioning surfaces adapted to contact with said lugs to position and main-



tain the cast forming surfaces of said type blocks at definite point size positions.

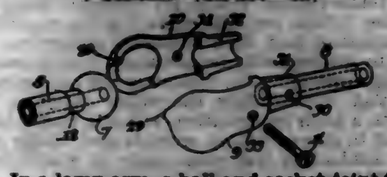
2,029,530
CONTACT SULPHURIC ACID PROCESS
Alphons O. Jaeger, Mount Lebanon, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware
No Drawing. Application May 28, 1931, Serial No. 541,118
7 Claims. (Cl. 23—175)

1. A process of oxidizing sulphur dioxide to sulphur trioxide, which comprises bringing about reaction between sulphur dioxide and oxygen containing gases in the presence of a catalyst comprising massive fragments of diatomite brick with which are associated at least one nonbase exchanging catalytically active compound of vanadium and at least one promoter.

2,029,531
CONTACT SULPHURIC ACID PROCESS
Alphons O. Jaeger, Mount Lebanon, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware
No Drawing. Application May 28, 1931, Serial No. 541,119
4 Claims. (Cl. 23—175)

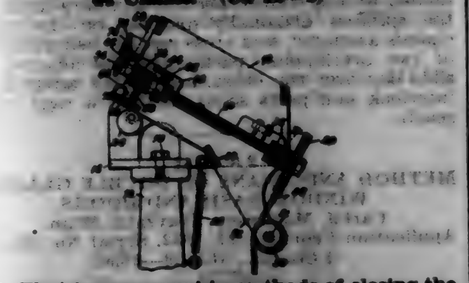
1. A process of oxidizing sulphur dioxide to sulphur trioxide which comprises bringing about reaction between sulphur dioxide and oxygen containing gases in the presence of a catalyst comprising at least one nonbase exchanging compound of vanadium, at least one compound of an alkali forming metal, and at least one compound of aluminum, the catalyst being associated with a catalytically inactive siliceous carrier.

2,029,532
ADJUSTABLE LAMP SUPPORT
Arthur A. Karcher, Fostoria, Ohio
Application July 14, 1933, Serial No. 680,443
7 Claims. (Cl. 287—13)



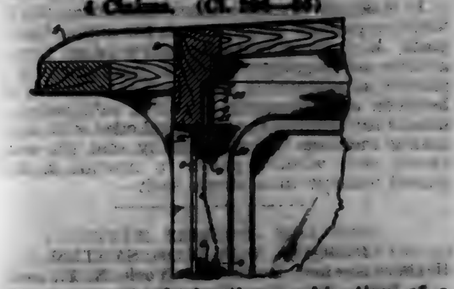
4. In a lamp arm, a ball and socket joint therefor comprising a member with a ball on the end thereof, another member with a pair of clamping jaws on the opposite sides of the end thereof, forming a ball socket between them, for said ball, and providing an articulated support for the lamp, one jaw being rigidly fastened to the member, the other jaw being loose on the opposite side of the member, so that this other jaw has a clamping action at both ends thereof, a ball clamping action at one end and a member clamping action at the other end, and a screw extending through the two jaws, between the ball and the second mentioned member, said screw being loose in one jaw and screw threaded in the other jaw, whereby relatively adjustable clamping jaws are provided, with the second mentioned member clamped between the jaws at one end of the latter, and with said ball clamped between them at the other end.

2,029,533
METHOD OF AND APPARATUS FOR OPERATING ON THE SOLE EDGES OF RUBBER-SOLED SHOES
Fay D. Kinney, Southbridge, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 1, 1933, Serial No. 674,762
44 Claims. (Cl. 12—1)



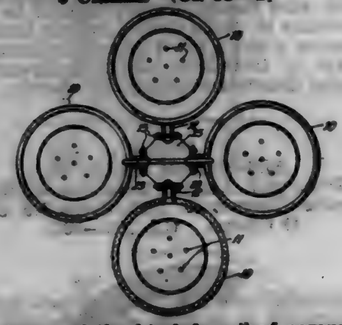
1. That improvement in methods of closing the sole edge of a rubber-soled shoe by pressing the sole edge against the adjacent portion of the upper or foxing characterized by the progressive application of pressure to successive portions of the sole edge in a direction extending crosswise of the sole edge from the tread surface toward the upper.

2,029,534
MOTOR VEHICLE
Archer L. Knapp, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 25, 1930, Serial No. 498,979
4 Claims. (Cl. 296—35)



2. In a motor vehicle, the combination of a header bar; a visor comprising a plurality of sheet metal plates arranged in alignment, the adjacent marginal portions of adjacent plates being hinged together to allow the plates to swing relatively in planes transverse to the planes of the plates, and a hinge pin engaging said adjacent marginal portions, the engagement of the sections with the pin frictionally maintaining the plates in any angular position of adjustment; and means securing a visor end plate against the rear face of the header bar.

2,029,535
MEANS FOR POACHING EGGS
Adrian L. Langel, Chicago, Ill., assignor to Chicago Metallic Manufacturing Company, a corporation of Illinois
Application May 16, 1935, Serial No. 21,794
6 Claims. (Cl. 53—1)



1. A device of the kind described comprising a plurality of receptacles, an individual handle for each receptacle, each individual handle being formed with a tapered portion, and a handle common to all of said receptacles and having tapered pocket-like portions for detachably holding the tapered portions of said individual handles.

2,029,536
MAP CABINET
Robert B. Lawton, Chicago Heights, Ill., assignor to Weber Costello Co., Chicago Heights, Ill., a corporation of Illinois
Application June 15, 1934, Serial No. 730,717
7 Claims. (Cl. 40—83)

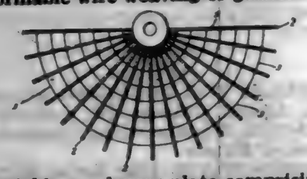


1. In a device of the character described, a frame structure, a bar adapted to support a display sheet, and means removably and replaceably connecting said bar and display sheet as a unit to said frame structure, said means comprising a bracket on said structure defining a laterally flared opening to receive one end of said bar, and a bar securing element disposed adjacent the other end of said bar operating to restrain said bar against forward displacement relative to said structure.

2,029,537
DEFORMABLE PLATE FOR VARIABLE CONDENSERS
Kurt Lucas, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 24, 1931, Serial No. 558,907
In Germany October 16, 1930
7 Claims. (Cl. 175—41.5)

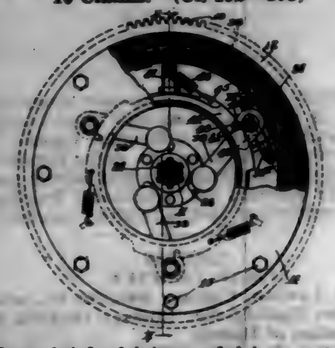
1. Condensers especially of the multiple-unit type, comprising one or more deformable elec-

trodes for the adjustment of the capacity characteristic, with this characteristic feature that the deformable electrode surface is constituted by a deformable wire weaving or gauze.



4. A variable condenser plate comprising a deformable wire gauze member formed by means of a plurality of radial fingers and an interwoven part having a plurality of arcuately-shaped portions laid at increasing radial distances along said radial fingers and supported thereby.

2,029,538
AUTOMATIC CLUTCH
Kenneth E. Lyman, Lake Forest, Ill.
Application August 30, 1933, Serial No. 687,434
10 Claims. (Cl. 192—105)



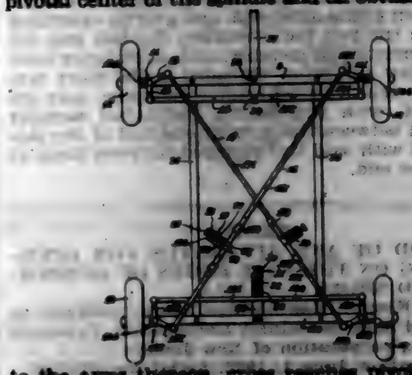
1. In a clutch, driving and driven power transmitting members, a clutching element contributing to a releasable driving connection between said members, a centrifugal device for controlling said clutching element, a thrust imparting member mounted for universal wabbling movement between the centrifugal device and said clutching element and a mounting for said member yieldable in the direction of the thrust imparted thereby.

2,029,539
CONDENSATION PRODUCT AND PROCESS
Joseph B. Niederl, New York, N. Y.
No Drawing. Application August 2, 1934, Serial No. 738,049
10 Claims. (Cl. 260—154)

1. A method of producing condensation products which comprises reacting an alkenol with an aryl hydroxy compound having a free reactive nuclear position in the presence of a katenoid condensing agent having an acid reaction.

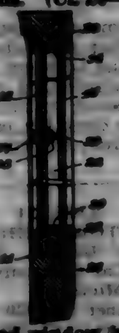
2,029,540
TRAILER
William Porteous, Fresno, Calif.
Application October 1, 1935, Serial No. 43,042
2 Claims. (Cl. 280—103)

1. In a vehicle having two axles held in parallel relation a spaced distance apart, a spindle pivotally attached at each end of each axle, said spindles being adapted to be swung on an approximately horizontal plane, an arm on each spindle disposed radially from said pivot at approximately right angles to the spindle, a tie pivotally attached at either end to the arms on the spindles assembled with the front axle and a separate tie similarly connecting the arms on the spindles assembled with the rear axle, auxiliary arms on said spindles extending radially from the pivotal center of the spindle and on obtuse angles



to the arms thereon, cross reaches pivotally attached to and connecting the auxiliary arms on the spindles diagonally disposed on the truck chassis assembly, said cross reaches being formed of two overlapping parts normally adapted to slide one over the other, and means adapted to interlock said parts so as to form a rigid cross reach.

2,029,541
METHOD AND MEANS OF DOUBLE GLAZING WINDOW SASH AND DOORS
Carl J. Mathieson, Wayzata, Minn.
Application February 17, 1932, Serial No. 593,488
4 Claims. (Cl. 20—56.5)

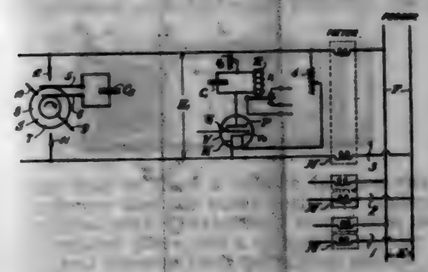


1. A double glazed window including, the main window-pane, a window sash for supporting said pane, a complemental window-pane receiving groove, an auxiliary window positioned in said groove, a removable non-resilient spacing strip between corresponding edges of said panes, and means for binding the marginal edge with a cushioning molding to hermetically seal the air between said window-panes to provide a double glazed window in a single sash.

2,029,542
REMOTE CONTROL SYSTEM
Herbert Spencer Polin, New York, N. Y., assignor to Polin, Inc., New York, N. Y., a corporation of Delaware
Application April 9, 1932, Serial No. 604,258
21 Claims. (Cl. 115—329)

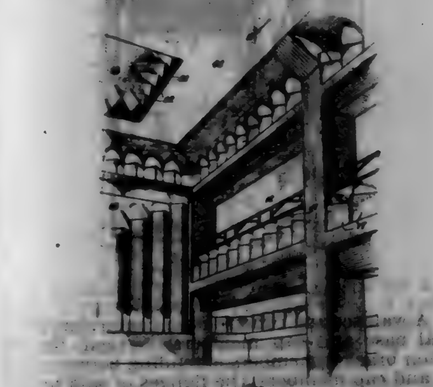
1. Control apparatus comprising a space discharge device including an anode and a cathode

connected respectively to opposite conductors of an electrical power supply line, said tube having a control grid connected through high impedance



to at least one said conductor and actuating means interposed in said anode connection responsive to interruptions in the space current of said device.

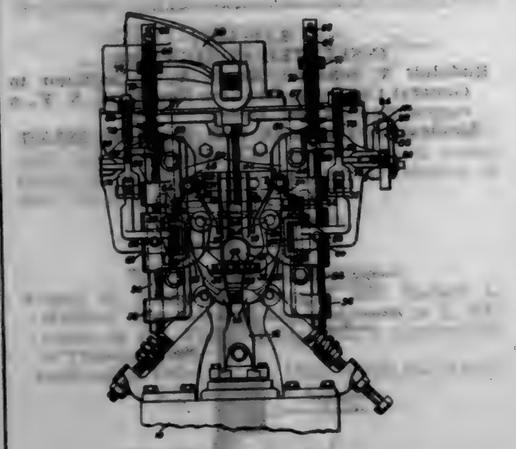
2,029,543
METHOD OF AND MEANS FOR CREATING AND DISPLAYING DECORATIVE EFFECTS WITH LIGHT
Winslow Reiss, New York, N. Y.
Application February 24, 1931, Serial No. 517,998
37 Claims. (Cl. 240—3)



1. In combination with a plain surface of a building, a plurality of lighting elements adjacent said surface, and an irregular surface adjacent said plain surface and lighting elements to effect diffusion of light rays in predetermined directions and to cut off passage of rays of light in other predetermined directions whereby patterns in lights and shadows are created on said plain surface.

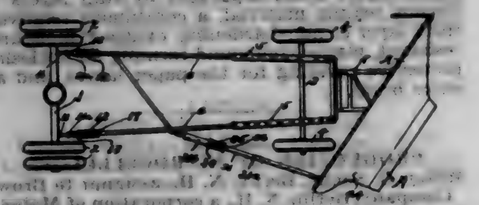
2,029,544
COUNTER-SHAPING MACHINE
Fred Ricks, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 29, 1934, Serial No. 728,149
In Great Britain June 6, 1933
15 Claims. (Cl. 12—46)

1. A counter-shaping machine comprising molds for shaping the side and rear portions of a counter, and members mounted for movement about axes extending heightwise of the faces of



the molds and for movement longitudinally thereof for shaping flange portions of the counter.

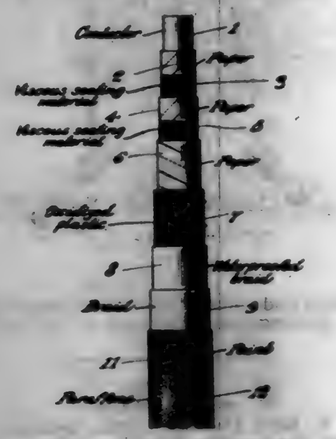
2,029,545
SNOW PLOW
Lester T. Ross, Crestline, Ohio, assignor to The Burch Corporation, Crestline, Ohio, a corporation
Application December 26, 1934, Serial No. 759,266
5 Claims. (Cl. 37—42)



1. In a snow plow or the like, push bars adapted to be mounted upon a vehicle, said push bars including a rear section adapted to be anchored to the vehicle, a forward section telescopically receiving the rear section so as to permit relative movement therebetween, a sleeve having a forwardly presented abutment face slidably mounted on the forward section, said forward section having a slot therein, a pin extending through said sleeve, slot and rear section, thereby fixing said sleeve to said rear section but permitting relative movement between the sleeve and the forward section, said forward section being further provided with a fixed rearwardly presented abutment face spaced from the first mentioned abutment face, a spring encircling said forward section intermediate said abutment faces and acting upon said faces to normally maintain said forward section forwardly extended while acting as a shock absorber on relative rearward movement of the section, means for suspending the front ends of the push bars from the vehicle while permitting relative longitudinal movement of the same with respect to the vehicle incident

to telescopic movement of the push bar sections, and means at the front end of the push bars for supporting a plow blade.

2,029,546
INSULATED CONDUCTOR
Rudolph A. Schaisel, Rome, N. Y., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application August 22, 1929, Serial No. 387,597
8 Claims. (Cl. 173—264)



8. An article of manufacture comprising, in combination, a conductor, a plurality of overlying layers of helically wrapped paper tape, adjacent paper layers being separated by thin layers of viscous sealing material, a continuous relatively thick layer of non-hardening, oxidized, moisture-resistant, plastic compound forming an enclosing protective covering for the paper layers, and an outer braid.

2,029,547
PRODUCTION OF NITROCELLULOSE
Milton O. Schur, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application June 17, 1930, Serial No. 461,854. Renewed July 8, 1935
12 Claims. (Cl. 260—146)

11. A process which comprises hydrolyzing sheets of interfelted cellulose fibers with a dilute solution of mineral acid, thereby reducing the solution viscosity of the cellulose and reducing the size of fiber units in the sheets but without substantial loss of such reduced fiber units, and nitrating the resulting acid-hydrolyzed cellulose fibers associated with substantially all of such reduced fiber units to produce nitrocellulose of low solution viscosity.

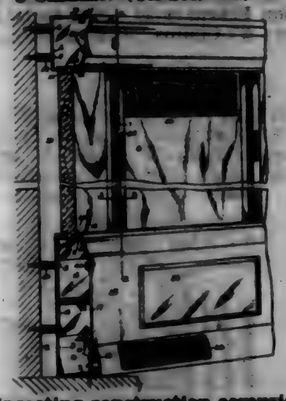
2,029,548
ORCHARD HEATER
Harold F. Semmerhays, Riverside, Calif., assignor to Riverside Sheet Metal Works, Inc., Riverside, Calif., a corporation of California
Application July 18, 1932, Serial No. 623,131
2 Claims. (Cl. 158—91)

1. In an orchard heater, a stack provided with draft openings of rectangular form and of substantial width, and louvers formed in the wall of the stack below and above said openings respectively, the louvers below said openings being inclined inwardly in an upward direction, and the



louvers above said openings being inclined outwardly in a downward direction.

2,029,549
WAINSCOTING CONSTRUCTION
John W. Winterich, Cleveland, Ohio
Application June 2, 1932, Serial No. 615,114
3 Claims. (Cl. 189—35)



1. A wainscoting construction comprising horizontal base and cap members, vertical, flanged mullion bracket members extending between said base and cap members, the flanges of said bracket members being yielding and longitudinally recessed to form U-shaped channels adapted to receive decorative panels, trim members detachably secured to the base and cap and bracket members, the trim for the mullion bracket members engaging the trim for the cap and base members with its upper and lower ends respectively, and means for securing the base, cap and bracket members to the wall of a building.

2,029,550
CONDENSER
Ralph K. Albert, Howell, Mich., assignor to Howell Electric Motors Company, Howell, Mich., a corporation of Michigan
Application December 10, 1932, Serial No. 642,833
7 Claims. (Cl. 175—315)

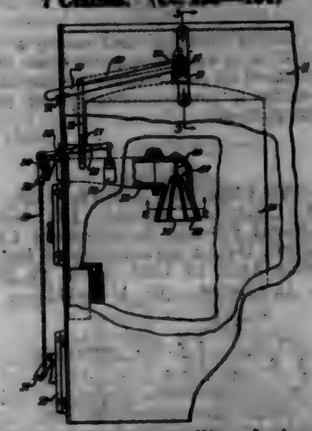
1. A ring shaped condenser can comprising an annular plate having, at its inner periphery and integral therewith, a cylindrical wall extending therefrom and merging therewith at its end and adapted to receive an annular condenser unit, a

radially outwardly projecting bead formed adjacent the end of said wall for holding the condenser unit against retraction, a cover for the unit, said cover comprising an annular plate the inner periphery of which cooperates with the cy-



lindrical wall to form a closure for one end of the condenser and the outer periphery including a cylindrical portion extending to the first mentioned annular plate and a circumferentially extending seal between each cylindrical portion and the annular plate of the other cylindrical portion.

2,029,551
TEMPERATURE CONTROL DEVICE FOR FURNACES
Robert M. Baker, Toledo, Ohio
Application August 23, 1934, Serial No. 741,122
7 Claims. (Cl. 236—104)



1. A temperature controlling device for a furnace provided with a furnace body, a housing enclosing said body and a draft damper, said device comprising a fulcrum on the top of said body responsive to thermal expansion or contraction of said body, a bar extending across said housing, a pivotal mounting for opposite ends of said bar enabling axial turning movements thereof, a lateral extension on an intermediate portion of said bar resting on said fulcrum, lever and link means connecting said bar with said damper for actuating same upon turning movements of said bar, and means for raising or lowering one end of said bar for predetermining the action thereof.

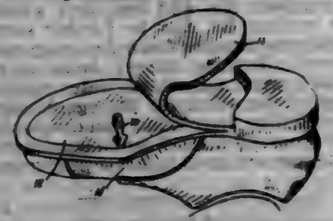
2,029,552
METHOD AND MACHINE FOR MAKING TAPERED TUBES
George E. Bannbert, Pasadena, Calif.
Application October 11, 1932, Serial No. 637,112
22 Claims. (Cl. 205—7)

16. A machine for drawing tapered tubes embodying: a die formed of a plurality of rotatable die elements arranged in tangent relation with each other, said die elements having tapered grooves in their peripheries which co-operate to form a die opening at their region of tangency; power means for drawing work through said die opening; means actuated by said power means for rotating said die elements in one direction so as to contract said die opening in timed relation with



the longitudinal movement of work therethrough; and additional means operated by said power means for momentarily reversing the rotation of said dies at a predetermined point.

2,029,553
SHOE FITTING INDEX
Arnold G. Bartschi, Oakmont, and Robert L. Huffine, Wynnewood, Pa., assignors to J. Edwards & Co., Philadelphia, Pa., a corporation of Pennsylvania
Application February 25, 1935, Serial No. 8,194
5 Claims. (Cl. 36—1)



1. The combination of a shoe including a sole, a narrow, transversely extending index strip embedded in the sole of the shoe, said index being composed of material visibly differentiated from foot and shoe structure under the action of X-rays, said index underlying the articulation of the first metatarsal and proximate phalange of the great toe.

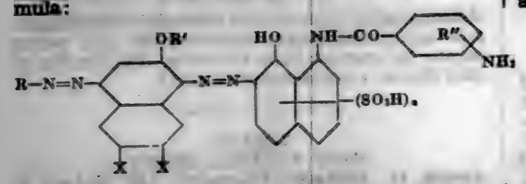
2,029,554
PUMP AND COMPRESSOR
Charles William Berggren, Brooklyn, N. Y.
Application August 24, 1932, Serial No. 630,393
1 Claim. (Cl. 103—121)



In a rotary high pressure pump, the combination with a stationary unbroken piston housing having a leak escape passage near one end, of a piston and drive comprising a movable concentric ring occupying part of the housing, a drive shaft and face plate also occupying part of the housing behind the ring and contacting the ring, bolts detachably connecting the ring to the face plate, an inner pump ring located within the outer ring and of less diameter leaving a pump chamber between, an off-center stationary journal shaft supporting the inner ring, movable division plates between the edges of the two rings, an extension resistance bushing fast to the drive shaft back of the face plate and within the housing, a removable end plate having inlet and outlet passages therein and supporting the stationary ring bearing.

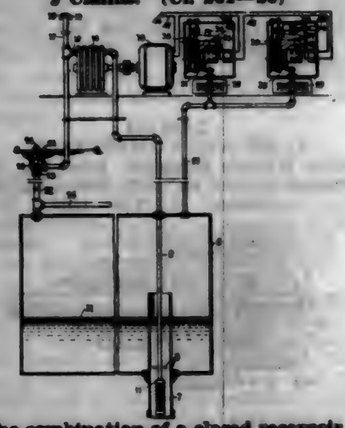
2,029,555
AZODYESTUFFS
José Stephen Petrus-Blumbergen, Delft, Netherlands, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 12, 1932, Serial No. 604,881. In Germany April 20, 1931
6 Claims. (Cl. 260—82)

1. The new azodyestuffs of the general formula:



wherein "R" stands for a radical of the benzene or naphthalene series containing a sulfonic or carboxylic acid group, one X stands for hydrogen and the other X stands for hydrogen or a sulfonic acid group, R' stands for alkyl, n stands for one of the numbers one and two, and wherein the benzene nucleus R'' may be further substituted by substituents selected from the group consisting of halogen, alkyl and alkoxy, being in form of their alkali metal salts dark, water soluble powders, dyeing the cellulosic fibre generally bluish shades, which by diazotizing and developing with a yellow component yield green shades of excellent clearness and good fastness properties.

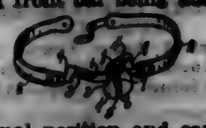
2,029,556
CARBURETOR
Elmo L. Brown, Asheville, N. C.
Application December 21, 1933, Serial No. 703,469
9 Claims. (Cl. 261—26)



1. The combination of a closed reservoir adapted to be partially filled with volatile liquid hydrocarbon; means for forcing a gas under pressure through such hydrocarbon and for accumulating under pressure in the reservoir, gas thus carbureted; a filling fitting for the reservoir, said fitting having a filling opening and a vent intermediate the filling opening and said reservoir, a vent connection leading from said vent to a discharge point remote from said fitting; and a closure for the filling opening in said fitting, said closure having a position in which it closes the filling opening and isolates said reservoir from said vent, and a position through which it must pass in the process of opening in which it maintains the filling opening closed and connects said vent with said reservoir.

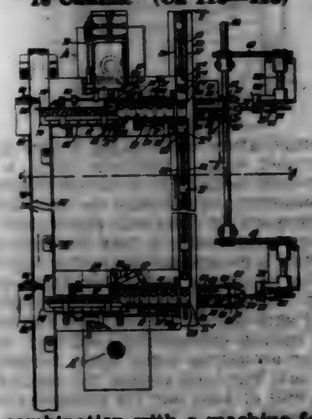
2,029,557
ECCENTRIC TRUSS
James W. Buckley, Weatherford, Tex.
Application April 4, 1933, Serial No. 664,317
2 Claims. (Cl. 128—104)

1. In a truss of the class described consisting of a belt having clamping side members for engaging the body of a patient, a front bar carried by said members and made rigid therewith and adapted to engage the body above the plane of said belt adjacent each of its points of contact with said belt, and a pad carried by said bar and adapted to engage said body below the plane of said belt, said front bar being adapted to swing



from its normal position and cause a twisting movement of said side members when the pressure is increased on said truss, whereby said front bar will cause a greater pressure of said pad against the patient.

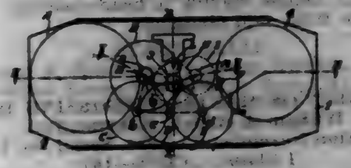
2,029,558
CAN FEEDING APPARATUS
George W. Chalmers, Summit, Ill., assignor to International Patents Development Company, Wilmington, Del., a corporation of Delaware
Application April 18, 1932, Serial No. 605,292
18 Claims. (Cl. 113—115)



1. In combination with a machine for operating on cans, apparatus for feeding cans to said machine comprising: a supply conveyor; a runway having feeding-in and feeding-out sections offset with respect to each other at the place of operation of said machine on the can; and mechanism for moving cans intermittently from the feeding-in section to the feeding-out section of the runway, which also moves cans from said conveyor into the feeding-in section of the runway and pushes cans one against another through said runway.

8. In apparatus for feeding cans, the combination of a continuously moving supply conveyor; a runway transversely arranged in respect thereto; a stop for arresting the can on the conveyor which has passed the runway, so as to position a succeeding can in line with the runway; and mechanism for pushing the last mentioned can into the runway, for releasing the other can, and for arresting the forward movement of the next can on the conveyor approaching the runway.

2,029,559
WATCH MOVEMENT FOR FANCY WATCHES
Henri Colomb, Tavannes, Switzerland
Application August 5, 1932, Serial No. 627,639
In Switzerland September 4, 1931
10 Claims. (Cl. 58—50)

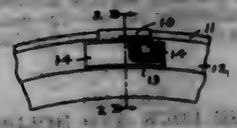


5. In a watch of the character described, an oblong plate, concentric hands-carrying spindles mounted at the intersection of the major and minor axes of said plate, a spring actuated driving barrel, a balance, intermediate gears and pinions, all having their axes mounted on one side of the minor axis of said plate, and a weighted winding mechanism having the actuating weight positioned on the opposite side of said minor axis of the plate.

2,029,560
CRYSTALLIZATION OF DEXTROSE
Charles J. Copland, North Kansas City, Mo., assignor to International Patents Development Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 24, 1934, Serial No. 741,275
2 Claims. (Cl. 127—58)

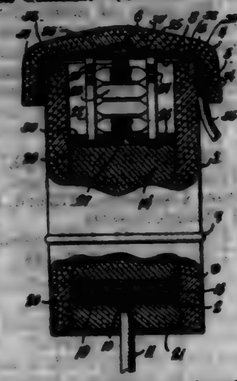
1. In the method of crystallising dextrose solutions by cooling, with agitation, in a crystalliser in which the crystals are developed in a portion of the solution introduced initially into the crystalliser and the rest of the solution introduced at intervals incrementally: the improvement which comprises reducing the super-saturation at an intermediate stage of the operation by use of an increment of solution having a substantially lower density than the rest of the solution.

2,029,561
WHEEL BALANCING WEIGHT
Virgil L. Du Sang, Kokomo, Ind.
Application April 4, 1934, Serial No. 718,915
3 Claims. (Cl. 301—5)



1. For balancing a wheel having a rim with an edge extending upwardly and outwardly, the combination of a weight shaped to be confined substantially under the projection of said edge, and a clip carrying the weight and compressibly engaging over the edge to extend around and downwardly on the inner side thereof, said clip being made out of spring steel, and said weight being cast over a barbed foot of the clip.

2,029,562
PROTECTIVE DEVICE
Ralph H. Earle, Wauwatosa, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application February 27, 1933, Serial No. 658,714
22 Claims. (Cl. 175—36)



1. In a protective device, an insulating tubular housing, a metal plate located within said housing adjacent one end thereof, means for holding said metal plate in place, a second metal plate spaced from said first mentioned plate, a mass of granular material located between said plates, a spark gap connected to said second plate and located within said housing, and a metal seal connected to said second plate and exactly conforming to the interior of said housing.

15. In a protective device, an insulating tubular housing, a spark gap and a mass of granular material contained within said housing, a cup-shaped metal cap closing the upper end of said housing, a soft metal seal molded between said cap and said housing and bonded to said cap and interlocking with said housing, and means for holding said granular material within said housing.

21. In a protective device, the combination of a spark gap assembly formed as a unitary, rigid unit, a granular mass of material electrically connected to said spark gap, a metal plate between said spark gap assembly and said granular material and permanently contacting with both said spark gap assembly and said granular material, said metal plate being permanently attached to said spark gap assembly and forming a unitary portion with said spark gap assembly, and an insulating housing surrounding said spark gap assembly and said mass of material, said spark gap assembly having its individual elements inherently retained in assembled condition independent of its assembly within said housing.

2,029,563
DISHWASHING MACHINE
James E. Elkington, San Francisco, Calif.
Application August 23, 1933, Serial No. 686,431
1 Claim. (Cl. 198—221)



In a dishwashing machine, a casing; parallel tracks arranged lengthwise of said casing for sup-

porting dish racks thereon; guides beneath each of said tracks; a slide in each guide beneath each track, each slide being held in its respective guide by the overlying track; both sides being held together in fixed relation, being movable in unison on a fixed horizontal plane and in a longitudinal direction relative to the tracks; dogs pivotally mounted on the sides of said slides at spaced points thruout the length thereof, said dogs being movable above and below the horizontal plane of the tracks to engage and disengage the dish racks on said tracks in accordance with the movement of the slides.

2,029,564
WEARING APPAREL

William F. Gowdy, Milford, Mass., assignor to Archer Rubber Company, Milford, Mass., a corporation of Massachusetts

Application February 27, 1935, Serial No. 8,421
7 Claims. (Cl. 2—88)



1. A raincape having a body portion consisting of thin, flexible and easily torn water-repellent sheet material, said cape having a narrow elongate slit in its body material and a flap member of thin, flexible sheet material having an attaching portion adhesively united to the body material of the cape at the region of the slit, the slit passing through said attaching portion, the attaching portion and the body material of the cape having registering holes of substantial diameter at the opposite ends of the slit thereby to prevent elongation of the slit by tearing, the flap being turned back over its attaching portion and concealing the slit.

2,029,585
ROTARY PRINTING PRESS

Sydney Thomas Cecil Hardy, Gladesville, Sydney, New South Wales, Australia, assignor to Sun Newspapers Limited, Sydney, New South Wales, Australia, a company of New South Wales

Application March 14, 1935, Serial No. 11,136
7 Claims. (Cl. 101—378)



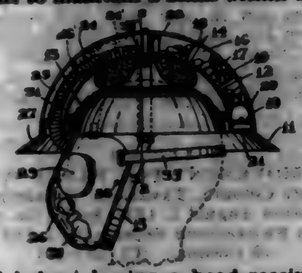
1. Improvements in means for securing stereo plates on the cylinder of a rotary printing press, comprising a rod mounted longitudinally in said cylinder in parallelism with the axis of the cylinder, comprising two plate-securing dogs slidably mounted on said rod, a member positively and releasably engageable with said rod in alternative fixed positions, means on said member for positively engaging one of said dogs to secure the same in selected and definite position on said rod, and a second member positively and releasably engageable with said rod in alternative fixed positions and acting as an abutment on the rod for the other of said dogs.

2,029,566
HELMET

Arno E. Herzer, Upper Darby, Pa.

Application April 10, 1934, Serial No. 719,870
11 Claims. (Cl. 128—141)

1. A helmet provided with a filter chamber and a gas mask chamber open at the front to permit withdrawal of a gas mask into wearing position, and means to maintain a mask within the chamber, said helmet having a head-receiving space separate from said chambers.



2,029,567
METHOD OF MAKING EMBOSSING DIES

William S. Hough, Kokomo, Ind.

Application November 15, 1934, Serial No. 753,243
1 Claim. (Cl. 76—107)



The method of making embossing dies which comprises the following steps: first outlining a letter, numeral or symbol in a rigid plate by cutting a plurality of narrow slots which are discontinuous so that the outlined letter, number or symbol remains in the plate; then superimposing said plate upon another plate and while said plates are held relatively motionless, marking upon the second plate by a marking instrumentality thrust through said slots so as to obtain an outline on the second plate of the letter, number or symbol outlined on the first plate; then completing the cutting of the outlined letter, number or symbol, placing it on the second plate within the aforesaid marked outline, and securing it rigidly in the position defined by said markings.

2,029,568
PROCESS FOR PRINTING ACETATE ARTIFICIAL SILK

Wolfgang Jacob, Basel, and Arthur Schürch, Riehen, near Basel, Switzerland, assignors to firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application October 15, 1934, Serial No. 748,424. In Switzerland October 21, 1933
12 Claims. (Cl. 8—5)

1. Process for printing acetate artificial silk, consisting in printing acetate artificial silk with dyestuffs containing metal in complex union which are sparingly soluble to insoluble in water.

2,029,569
SASH LOCK AND HOLDER

David Jones, Ottawa, Ontario, Canada, assignor, by direct and mesne assignments, of one-fourth to Paul B. Smith, one-fourth to Robert G. Thomson, and one-fourth to Charles Rivers, all of Ottawa, Ontario, Canada

Application December 17, 1934, Serial No. 757,819
3 Claims. (Cl. 292—343)

1. A reversible device of the character described comprising a single piece of suitable material bent on itself to form a horizontally extending head portion, upwardly extending spaced arms integral with the head, and downwardly extending crossed legs integral with said head.



2,029,570
SPARK PLUG

Armen A. Kasarjian, Jackson Heights, N. Y.

Application December 30, 1932, Serial No. 649,455
Renewed May 21, 1935
10 Claims. (Cl. 123—169)

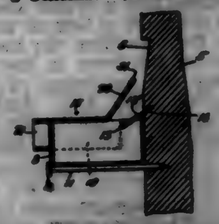


1. In an assembly of the character described, an ignition circuit including a body of matter comprising a mixture of finely divided conductive and non-conductive materials interspersed with respect to one another in the body, said conductive and non-conductive materials being of substantially the same specific gravity.

2,029,571
TURPENTINE GUM CUP COVER

Bryant B. Kelly, Lumber City, Ga.

Application April 29, 1935, Serial No. 18,936
3 Claims. (Cl. 47—11)



3. A gum cup of the character described comprising a pan for mounting on a tree below a cut thereon, a cover slidably mounted on said pan and having a shield closely approaching said cut and overlying the inward part of the pan and protecting the entrance of the gum from the cut into the pan, said cover including depending guide tabs slidably engageable with the opposite sides of the pan.

2,029,572
MANUFACTURE OF YEAST

George W. Kirby, New York, and Charles N. Frey, Scarsdale, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware

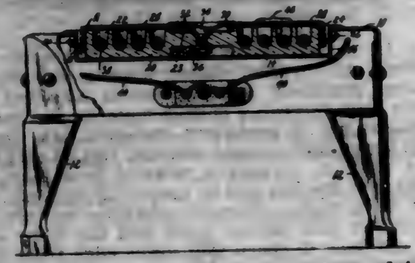
No Drawing. Application January 28, 1932, Serial No. 589,042
5 Claims. (Cl. 195—28)

1. A process of manufacturing bakers' yeast of low protein content which includes providing, in a yeast nutrient solution containing yeast assimilable sugar and a yeast assimilable inorganic nitrogen compound, a high protein type of stock yeast having a protein content of over 50% on a dry basis in an amount of at least 30% of the total sugar, calculated as molasses, which is present in the yeast nutrient solution during the propagation of yeast therein, propagating the yeast in the nutrient solution with aeration, and during the period of propagation limiting the yeast assimilable inorganic nitrogen nutriment to about 4% to about 12% expressed as ammonium sulfate and based upon the total sugar calculated as molasses whereby there is produced a high yield of yeast of good baking and improved keeping qualities, and having a protein content substantially less than that of the stock yeast added to the yeast nutrient solution.

2,029,573
STOVE CONSTRUCTION

Andrew S. Knapp and Howard Smith, Belleville, Ill., assignors to Knapp-Monarch Company, Belleville, Ill., a corporation of Missouri

Application August 17, 1933, Serial No. 685,583
15 Claims. (Cl. 219—37)



12. In a stove construction, a stove plate, a frame having an opening therein for said stove plate and supporting means underlying said stove plate to support it relative to the frame and covering means for said stove plate comprising an inverted dish-shaped metal shield and ears on the peripheral edge of said shield bent under the edge of said frame surrounding the opening therein to retain said stove plate against said supporting means.

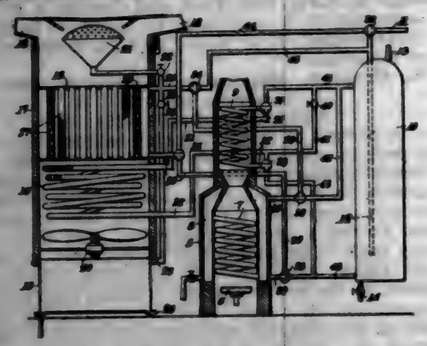
2,029,574
AIR CONDITIONER AND WATER HEATING SYSTEM

Charles O. Kaudeen, Brooklyn, N. Y.

Application April 2, 1933, Serial No. 664,240
7 Claims. (Cl. 257—2)

1. A combined heating, cooling and hot water furnishing system comprising a heater, a hot water storage tank, an air circulation conduit, a heat exchanger in said air circulation conduit and regulatable flow connections for connecting said heater direct to said heat exchanger for air heating service and for connecting said heater and said heat exchanger to said water storage tank for air cooling and water heating service.

and a waste heat utilizing coil in said heater connected to heat water in the storage tank while



the heater is connected to the heat exchanger in the first described relation.

2,029,575

TOASTER BASE ASSEMBLY

William B. Kechner, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Application May 27, 1935, Serial No. 23,686
18 Claims. (Cl. 53—5)



1. In a base assembly of the character described, an inverted dished base, a plurality of spaced shoulders formed therein adjacent the lower edge thereof, a bottom plate having spaced portions on its periphery engaging said shoulders for supporting said base and feet on said bottom plate to support it relative to a table top surface or the like and to space it therefrom, said feet being higher than the distance between the bottom of said bottom plate and the lower edge of said base to space said lower edge from such surface, the portions of the periphery of said bottom plate intermediate said first-mentioned portions being spaced from said base to permit air circulation between said periphery and said base.

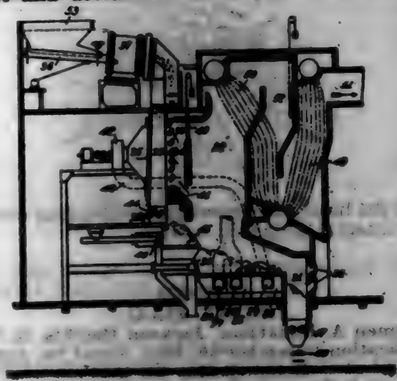
2,029,576

APPARATUS FOR BURNING LOW-GRADE FUELS, ESPECIALLY REFUSE

Viktor Kolb, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York

Application March 31, 1934, Serial No. 718,486
In Germany May 20, 1932
2 Claims. (Cl. 110—15)

1. A furnace for burning refuse, comprising a rectangular combustion chamber, a grate closing the combustion chamber at the bottom and having a plurality of air chambers therebelow for supplying air for combustion, a drying shaft disposed laterally above the grate and having certain of its walls perforated, a blower arranged to draw gases of combustion from the combustion chamber above the grate, through the perforated walls of said drying shaft and through the refuse disposed therein and to deliver the resulting gases into the air chamber furthest away from said drying shaft, a device for charging the drying shaft and devices for moving the dried refuse



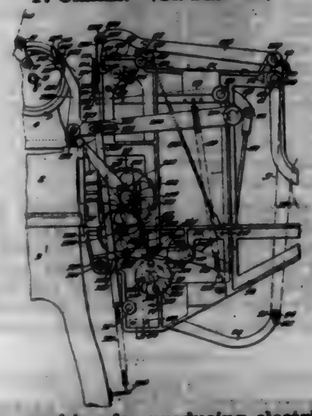
out of the bottom end of the drying shaft on to the grate.

2,029,577

MACHINE FOR WINDING ELECTRICAL COILS

Arthur W. Le Boeuf, Cranston, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts

Application April 9, 1933, Serial No. 664,293
17 Claims. (Cl. 242—10)



1. In a machine for producing electrical coils, the combination of means for winding a conductor, means for feeding a strip of insulating material, a measuring bar movable across the path of the strip to draw out a loop of predetermined length, a lever for operating the measuring bar, a cam for moving the lever in one direction, a stop for limiting the movement of the lever in the opposite direction, and ratchet-operated means for progressively displacing the stop to regulate the range of action of the measuring bar.

2,029,578

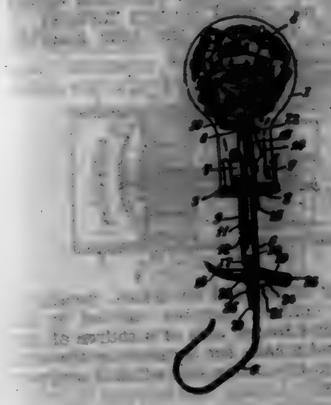
FLASHLIGHT

Georg Maiser, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

Application February 24, 1933, Serial No. 658,414
In Germany February 27, 1932
5 Claims. (Cl. 67—30)

1. A flash light lamp comprising a transparent bulb made of a non-burning material having an opening communicating with the atmosphere, a

material of the group consisting of loosely crumpled foil of magnesium having a thickness



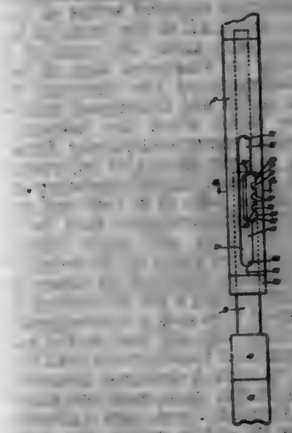
of less than 0.04 mm. and wire of magnesium having a diameter of less than 0.1 mm. in said bulb, and means for igniting said magnesium.

2,029,579

JARRING TOOL

Ira J. McCullough, Huntington Park, Calif., assignor to James A. Kammerdiner, Los Angeles, Calif.

Application May 22, 1933, Serial No. 672,164
11 Claims. (Cl. 255—27)



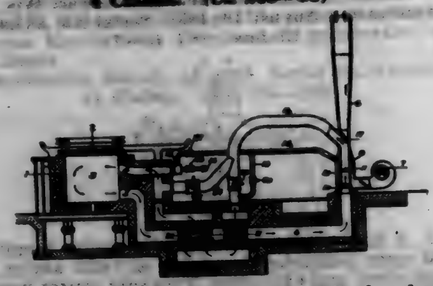
1. A jarring tool including, a tubular section, a stem section extending into the tubular section, the sections being related for limited relative longitudinal movement, the tubular section having a longitudinal slot in its wall open to its exterior, a lug on the stem section movable in the slot and adapted to cooperate with the ends of the slot to limit relative longitudinal movement of the sections and to provide a jarring action, there being spaced notches in a side of the lug and a wall of the slot forming teeth adapted to cooperate to releasably hold the sections against relative longitudinal movement, the teeth being releasable by a strain on the sections in either direction, and means whereby the teeth of the lug slide past the teeth of the slot upon the release of the teeth.

2,029,580

COMBUSTION CONDITIONING SYSTEM FOR SOAKING PITS

Gustav A. Merkt, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts

Application November 4, 1933, Serial No. 696,668
4 Claims. (Cl. 263—15)



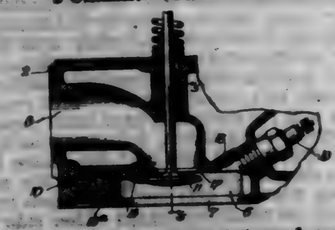
1. In a furnace of the class described, a heating chamber having an intake and an offtake, an air supply to said intake, to support combustion therein of the furnace's fuel supply, means for blowing air outwardly through a furnace exit passage to entrain the burned gases delivered through said offtake, a connection from said exit passage to said intake, permitting diversion to the latter of a portion of the mixture of air and burned gases, for tempering the flame produced by said combustion, means for procuring, selectively, the delivery of said diverted mixture to said intake either at the mixture temperature or at a higher temperature, resulting from preheating by the outgoing burned gases, and means for controlling the volume of air from said air supply to said intake and the volume of diverted mixture to said intake.

2,029,581

INTAKE VALVE DEFLECTOR

Jesse Roger Merriam, Waukesha, Wis., assignor to Waukesha Motor Company, Waukesha, Wis., a corporation of Wisconsin

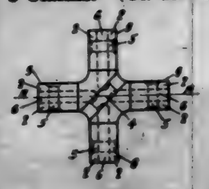
Application May 6, 1932, Serial No. 609,625
5 Claims. (Cl. 123—191)



2. In combination in an internal combustion engine, a cylinder, a piston operating in the cylinder, a head provided with inlet and burned gas outlet passages opening through the head over the cylinder area, overhead valves controlling said passages, a deflector on the under face of the head and extending downwardly therefrom about the inlet valve for a portion of the circumference thereof remote from the exhaust valve, and a deflecting element extending from the inner end of the deflector and inclined toward the surrounding wall of the combustion chamber, said element terminating short of said wall and defining therewith a restricted passage for the charge, said deflector being of a height to partially close the space between the under face of the head and the upper face of the inlet valve

when the latter is in open position thereby causing the entering charge to flow toward and over the hot exhaust valve in contact therewith.

2,029,582
FOLDING DIP OR MINNOW NET BOW
Gustav C. Moldenhauer, Manitowoc, Wis.
Application August 19, 1933, Serial No. 685,967
3 Claims. (Cl. 43—7)



1. A bow head consisting of a center member and arms positioned in planes at right angles to each other and extending from said center member, a partition extending downwardly from the center member, the center member and the extensions having coextensive channels, a cross member traversing each channel adjacent the outer end thereof, said cross members being adapted to receive bows thereon and bows slidably and pivotally mounted on said cross members.

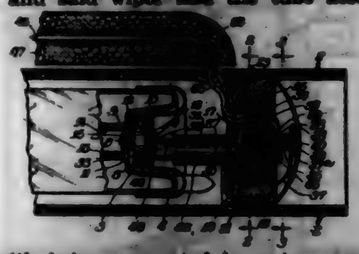
2,029,583
SASH LOCK
John A. Obenchain, Tampa, Fla.
Application October 9, 1935, Serial No. 44,377
2 Claims. (Cl. 292—4)



1. In a sash lock, a casing, intersecting slidable bolts mounted therein, a link pivotally connected at its ends relative to the bolts and disposed in an inclined position to said bolts whereby one is operated through said link by manipulation of the other, latch means carried by the manipulable bolt adapted to engage the casing with the bolt in either its extended or retracted position, to secure both bolts in either respective position, said manipulable bolt being rotatable with respect to the other bolt for operating said latch means, the latter comprising a lateral lug of a length equal to the sliding limit of said bolt, the casing having an orifice shaped and sized to permit the passage of said lug, whereby said lug, may, upon rotation of said bolt, be made to engage either side of the casing adjacent said orifice.

2,029,584
CONNECTER FOR X-RAY TUBES
Oscar H. Pieper, Rochester, N. Y.
Original application October 15, 1931, Serial No. 568,905. Divided and this application August 23, 1935, Serial No. 37,437
5 Claims. (Cl. 201—56)

1. A connecter for use in an X-ray machine wherein an X-ray tube is mounted for turning about its axis and is provided at its cathode end with a pair of filament terminals, said connecter comprising an insulating member, a pair of tubes mounted in said insulating member, spring pressed contact members mounted in and respectively electrically connected to said tubes, a contact member carried by said insulating member, a wiper carried by one of said tubes and movable over said last mentioned contact member, the latter and said wiper and the tube associated



therewith being connected in series, means for connecting the contact member carried by said insulating member to one side of a source of electrical energy, and means for connecting the other of said sleeves to the other side of said source of electrical energy.

2,029,585
FASTENER UNIT
George E. Prentice, Berlin, Conn.
Application December 24, 1934, Serial No. 758,973
2 Claims. (Cl. 24—205)



1. A fastener of the class described having flexible stringers supporting opposed series of complemental fastener units, all of the units of both series being substantially alike, the units of the opposed series being so staggered and of such dimensions longitudinally of the fastener that when those of one series are interposed between those of the other series when the fastener is closed, the interposed parts collectively form a substantially solid column devoid of intervening crevices, each unit of each series consisting of a block of material having jaws at its rear end uniting it to its respective stringer, each unit having substantially parallel upper and lower surfaces and being of a transverse width at its front end greater than the distance between its upper and lower faces, each unit having a pin projecting upwardly from its upper face and a corresponding socket in its lower face, the pin and socket each being of greater dimension transversely than from front to rear but of less transverse dimension than the front end of the unit, each pin having an uninterrupted beveled front face extending substantially across its entire width, the socket of each unit being separated from the front face of the unit by a wall, each such wall having a pin guiding channel in its lower edge operative to receive the beveled face of the pin of a unit of the other series and to prevent relative lateral movement of the units as the latter move into interlocking position, each channel having an upper wall whose transverse contour substantially corresponds to that of the upper part of the pin.

2,029,586
CEMENT BLOCK
Philip S. Rendell, Toledo, Ohio
Application May 1, 1935, Serial No. 19,136
1 Claim. (Cl. 72—41)

A wall construction formed of a plurality of over-lapping blocks arranged in courses, the blocks having openings and the ends of the blocks having channels that form openings through the courses, the said openings located in registering relation with the openings in the contiguous courses of the wall and forming vertical passageways throughout the height of the wall, the wall having alternate courses of pairs of blocks extending along inner and outer edge parts of the



first named blocks and located between the top and bottom parts of the said first named blocks, the second named blocks in each course thereof located in parallel and spaced relation and forming horizontal passageways intermediate the first named blocks and extending throughout the length of the wall and communicating with the registering openings that extend vertically throughout the height of the wall.

2,029,587
HYDRAULIC CUSHION
Fredrich J. Rode, Toledo, Ohio
Application June 8, 1935, Serial No. 25,690
7 Claims. (Cl. 267—1)

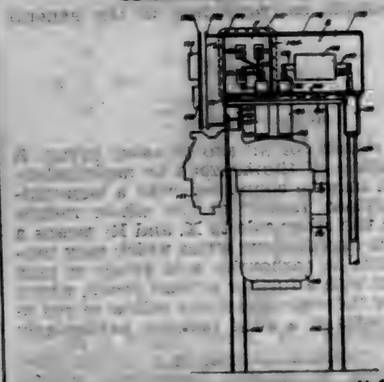


1. In a press of the class described, movable blank holding means, a piston connected to said means, a cylinder in which said piston operates, and a centrifugal pump operable to constantly supply fluid pressure to said cylinder to act on said piston to resist movement thereof in one direction, said pump being in constant and open communication with said cylinder.

2,029,588
FILM-FORMING COMPOSITIONS
Leo Rosenthal, Leverkusen-Wiesdorf, and Reinhard Habermehl, Cologne-Deutz, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application November 27, 1933, Serial No. 700,422. In Germany December 6, 1932
5 Claims. (Cl. 134—47)

1. A composition essentially comprising a chlorinated rubber material and a sulfur-bearing product from the interaction of sulfur and at least one aliphatic homologue of benzene selected from the group consisting of toluene, xylene and ethylbenzene in the presence of aluminium chloride.

2,029,589
METAL CLAD SWITCHING UNIT
Allen M. Rossman, Chicago, Ill., assignor to Rossman Engineering Company, a corporation of Illinois
Application March 31, 1930, Serial No. 440,606
31 Claims. (Cl. 175—296)



1. A self-contained switching unit for distributing electric energy, having a vertically disposed fabricated frame structure, an oil circuit breaker removably mounted within said structure, a plurality of bus bars, switching and control equipment, stationary circuit connections, and fabricated sheet metal enclosures disposed on said frame structure for enclosing said bus bars, said equipment and said circuit connections, and for determining said unit for dielectric-filled outdoor or indoor service or for air insulated service.

2,029,590
ROTARY MOTOR OR PUMP
Frank W. Schaaf, Sioux City, Iowa, assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application July 3, 1930, Serial No. 465,577
Renewed September 8, 1933
9 Claims. (Cl. 103—121)

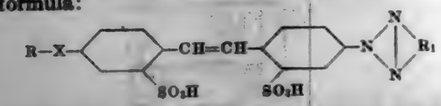


2. In a device of the character described, a chambered member, a member within the chambered member, said members being mounted in relatively displaceable relation, a sealing device movable across a space between the two members, the device having paired, non-parallel sealing portions rigidly connected with each other, each of said members having a recess, the mouths thereof opening into the space between the members, each of said sealing portions being seated in one of said recesses and being constrained for rectilinear movement therein, responsive to the rela-

tive displacement of said members, in directions toward and from the mouth of its associated recess.

2,029,591
AZODYESTUFFS
Hans Schindhelm and Carl Theo Schultis, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 24, 1934, Serial No. 736,782. In Germany July 25, 1933
5 Claims. (Cl. 260—44.1)

1. Azodyestuffs corresponding to the general formula:



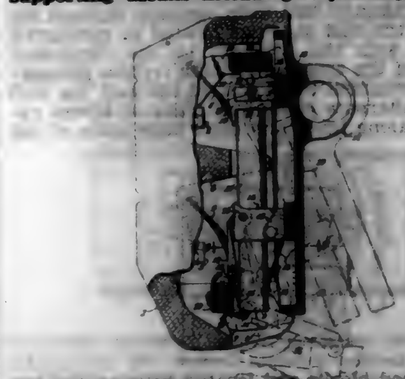
wherein X stands for an azo or azoxy group, R means a radicle of the benzene or naphthalene series which may be connected with a benzothiazolic or arylazo radicle or the whole radicle attached on the other side to X, and R_1 means a radicle of the naphthalene series which may contain a sulfonic or carboxylic acid group or may be connected with a further arylazo group, which dyestuffs dye the vegetable fibers yellow to red to brownish shades of a good fastness particularly to light.

2,029,592
MANUFACTURE OF YEAST
Alfred Schultz, New York, N. Y., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application December 29, 1931, Serial No. 583,711
7 Claims. (Cl. 195—28)

1. An aeration process for manufacturing bakers' yeast of high yield and improved quality, which comprises preparing a nutrient solution containing yeast assimilable sugar, nitrogen and phosphorus materials, adding to such nutrient solution a high protein type of stock yeast having a protein content of over 50% on a dry basis, propagating the yeast in said solution with aeration, and limiting the amount of phosphorus nutriment to between 1.25 and 2% expressed as mono-ammonium phosphate and based on the sugar material calculated as molasses so as to produce a yeast product having a protein content of less than 50% on a dry basis.

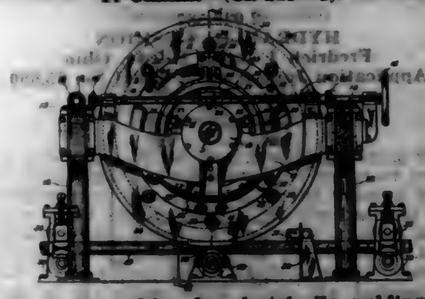
2,029,593
DROP-OUT FUSE
William O. Schultz, South Milwaukee, and Alwin G. Steinmayer, Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application February 23, 1935, Serial No. 7,862
19 Claims. (Cl. 200—116)

1. A drop-out fuse comprising a stationary body portion having stationary upper and lower contacts, a fuse tube assembly including a fuse tube having an upper contact normally detachably connected to the upper stationary contact, said fuse tube assembly having movable supporting means adjacent its lower end for normally supporting said fuse tube assembly, and a fuse link extending from the upper contact of the fuse tube through the fuse tube and to the movable supporting means and normally restraining said movable supporting means against motion with respect to said fuse tube assembly, said movable supporting means including a yieldingly urged



contact finger for contacting with the lower of said stationary contacts.

2,029,594
APPARATUS FOR ELECTRIC WELDING
Frank L. Sessions, Lakewood, Ohio
Application July 20, 1932, Serial No. 623,764
17 Claims. (Cl. 219—4)

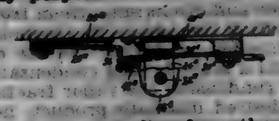


15. In a machine for electrically welding together edges of work disposed on opposite sides of a seam, two circular electrodes insulated from each other, a generator of electric current comprising a stator and a rotor, means securing said electrodes to said stator, means for feeding said work into position wherein said electrodes contact with the work on opposite sides of said seam, means rotatably supporting said stator and electrodes whereby they may rotate as said work is fed into contact with the electrodes, a motor having a stator and a rotor, means connecting together said stators, means connecting together said rotors whereby rotation of the rotor of the motor will rotate the rotor of the generator to generate current, means for passing the current thus generated through said electrodes and through said seam, and braking means acting on said stators and electrodes.

2,029,595
THERMOSTAT CONSTRUCTION
Howard Smith, Belleville, Ill., assignor to Knapp-Monarch Company, Belleville, Ill., a corporation of Missouri
Application July 17, 1933, Serial No. 680,546
5 Claims. (Cl. 200—138)

1. In an appliance having an electrically heated plate, a thermostat construction comprising leaf springs adjacent said plate and in planes parallel thereto, contacts thereon, means responsive to temperature of the plate for separating said contacts and means for adjusting said contacts comprising a bell crank pivoted to said plate,

having a first leg parallel thereto and engaging one of said leaf springs and a second leg extending substantially perpendicular from said plate and



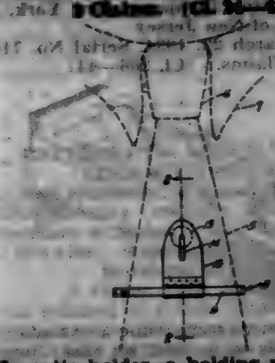
an adjusting shaft extending from the peripheral edge of said plate, parallel thereto and engaging said second leg, said shaft being longitudinally movable to swing said bell crank about its pivot.

2,029,596
AUTOMATIC COFFEE MAKER
John E. Smith, Belleville, Ill., assignor to Knapp-Monarch Company, Belleville, Ill., a corporation of Missouri
Application December 19, 1932, Serial No. 647,843
2 Claims. (Cl. 53—3)



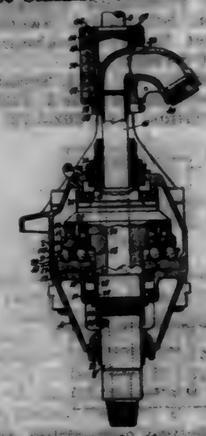
1. In an automatic coffee maker, a liquid coffee receptacle, a perforated coffee cup thereabove for holding granulated coffee, a water receptacle above said coffee cup, a passageway for providing communication between said water receptacle and said coffee cup, a normally closed valve in said passageway, electro-responsive means for opening said valve when said means is energized, an electric heater element for said water receptacle, current supply terminals and a temperature responsive switch responsive to the temperature of the water in said water receptacle rising to a predetermined degree, whereupon said switch completes the circuit from said terminals through said electro-responsive means whereby to fully open said valve and retain it fully opened upon such predetermined degree of temperature being reached, said heating element and temperature responsive switch being connected in series between said terminals and said electro-responsive means being connected in shunt with said switch whereby upon opening of said switch due to said temperature rise, said heating element and said electro-responsive means are connected in series.

2,029,597
TIE HOLDER
Michael Thomas, Los Angeles, Calif.
Application April 30, 1935, Serial No. 17,486
3 Claims. (Cl. 24—49)



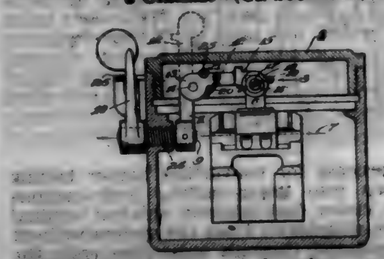
1. In a tie holder, a holding member adapted to pass around the tie, and a fabric tab secured to said member, said tab having a button hole.

2,029,598
SWIVEL
Edward Timbs, Los Angeles, and Demery A. Murphy, Torrance, Calif., assignors to The National Superior Company, Toledo, Ohio, a corporation of Delaware
Application October 22, 1934, Serial No. 749,374
20 Claims. (Cl. 255—25)



1. In a rotary swivel, the combination of a body having a supporting shoulder, a sleeve rotatably positioned axially of and projecting therefrom the body, means cooperating with the sleeve and the body to form a bearing enclosure at one end, a thrust carrying member supported on said shoulder, a cover, releasable means to secure the cover to said body, means on said cover to secure the thrust carrying member on said shoulder, a main supporting bearing between the sleeve and the thrust carrying member, and an upthrust bearing between the sleeve and the thrust carrying member, said sleeve, thrust carrying member and bearings being insertable and removable as a unit relative to said body upon the cover being detached from the body.

2,029,599
MEANS FOR ACTUATING ENCLOSED ELECTRIC SWITCHES
Nils A. Terablom, Chicago, Ill., assignor to Appleton Electric Company, a corporation of Illinois
Application October 22, 1934, Serial No. 749,421
3 Claims. (Cl. 200—172)



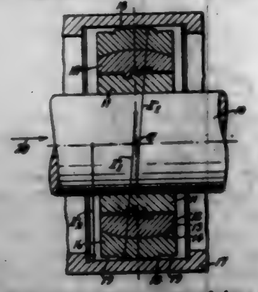
1. In combination, a housing, a switch arranged within said housing and having a pivoted switch arm to operate the switch, of an actuating member extending through a wall of the housing and rotatable therein about a continuation of the pivotal axis of said switch arm, said actuating member being screw-threaded in said wall thereby to compel any fluid passing through the wall along said member to follow a path that is much longer than the thickness of the wall, and means on the inner end of said member to interlock the

same with said arm and compel the arm and the actuating member to swing in unison with each other whenever either moves angularly in either direction.

1,923,000
BEARING

August Gunnar Ferdinand Wallgren and Carl Gustaf Jansson, Stockholm, Sweden, assignors to Aktiebolaget Nomy, Stockholm, Sweden, a corporation of Sweden

Application February 26, 1934, Serial No. 712,966
In Germany March 3, 1933
22 Claims. (Cl. 308—73)

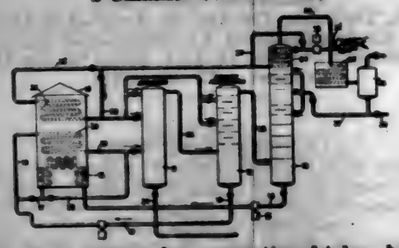


1. Bearing structure comprising an inner rotating member, an outer rotationally stationary member universally movable with respect to said inner member, and a fixed member for supporting said outer member, said outer member and said fixed member having cooperating surfaces including a curved surface on said outer member for causing the axis of rotation of the bearing to be displaced radially with respect to said fixed member in a direction away from said cooperating surfaces upon movement of said outer member from a plane normal to said axis.

1,923,001
CONVERSION OF HYDROCARBON OILS

George D. White, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application April 30, 1934, Serial No. 723,965
2 Claims. (Cl. 196—48)



1. In a process for converting higher boiling hydrocarbons into lower boiling hydrocarbons suitable for motor fuel, wherein cracked residual products are withdrawn from the system without being recirculated through a heating coil; the improvement which comprises passing a combined stream of oil of the character hereinafter specified through a heating coil maintained at a cracking temperature, maintaining the oil in said coil for a time sufficient to effect conversion of higher boiling hydrocarbons into lower boiling hydrocarbons, discharging the converted products from said coil into an enlarged chamber wherein separation of the vapors and unvaporized residual products is effected, maintaining the oil in said enlarged chamber at an active cracking temperature to cause further cracking thereof, withdrawing all of the residual products from the chamber and discharging them from the system, separating the vapors by fractionation into a vapor fraction, a higher boiling condensate fraction and a lower boiling condensate fraction, separately condensing the vapor fraction to produce the desired distillate product, heating the lower boiling condensate fraction in a separate heating coil to a cracking temperature materially higher than that for said first mentioned heating coil to effect substantial conversion of said lower boiling fraction, thereafter immediately combining a portion of said highly heated lower boiling fraction with said higher boiling fraction, passing the combined stream to said first mentioned heating coil, and passing the remainder of said highly heated lower boiling fraction directly to said enlarged chamber to aid in maintaining a cracking temperature therein.

1,923,002
INTERNAL COMBUSTION ENGINE

Nils Fredrik Andersson, Trollhättan, Sweden, assignor to Aktiebolaget Svenska, Stockholm, Sweden, a corporation of Sweden

Application April 7, 1924, Serial No. 705,484
In Germany April 13, 1923
14 Claims. (Cl. 123—172)

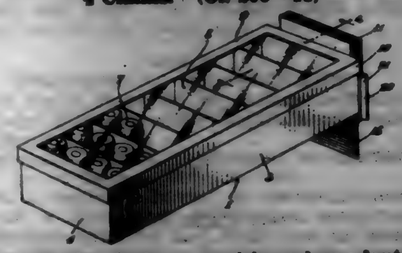


1. In an oil-cooled internal combustion engine of the kind in which cooling oil is forced over the cylinder parts in thin films, a cylinder head structure comprising a lower part providing combustion chamber walls having valve seat and spark plug openings therein, an upper part having valve guides and gas passages therein, and separate means interposed between portions of said parts shaped to guide cooling oil in thin films over substantially the entire area of said combustion chamber walls.

1,923,003
DISPLAY DEVICE

George H. Andrews, Yonkers, N. Y., assignor to The Spool Cotton Company, New York, N. Y., a corporation of New Jersey

Application March 22, 1924, Serial No. 716,706
4 Claims. (Cl. 206—44)

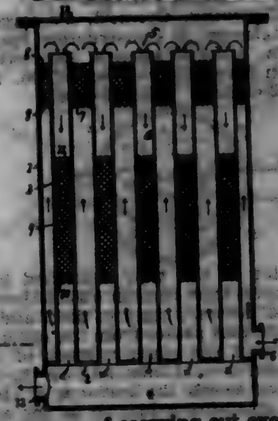


1. A display device comprising a box adapted to contain materials to be sold, an easel hinged to one end of said box whereby it may be brought within the box or into supporting position outside thereof, and a cover beneath which said easel is disposed when within the box, said cover when in place on the box having a flange extending over said end of the box and engaging the easel to hold said easel against the end of the box when in supporting position.

1,923,004
CARRYING OUT EXOTHERMIC CATALYTIC GAS REACTIONS

Joseph Bayer, Ludwigshafen-on-the-Rhine, Alfred Hallmeier, Cologne, and Karl Hencky, Leverkusen, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application February 10, 1931, Serial No. 514,782
In Germany February 23, 1929
5 Claims. (Cl. 23—288)



1. The process of carrying out exothermic catalytic gas reactions which comprises passing the gas to be reacted upon in a plurality of passages, arranged in parallel to each other, first through substantially free space in said passages and then through catalytic material promoting the desired reaction arranged in the last part of said passages, collecting the gas leaving said plurality of passages in a space common to all of said passages, then introducing said gas, in a direction of flow opposite to that of the gas in said first plurality of passages, into another plurality of passages, arranged in parallel to each other, therein passing said gas first through substantially free space while being in heat exchange relation to the catalytic material in said first plurality of passages and then passing the gas in the last part of said second plurality of passages through catalytic material promoting the reaction and being in heat exchange relation to the gas in the substantially free space of said first plurality of passages.

1,923,005
REFINING OF SOUTH TEXAS LUBRICATING OIL

Wilson Hull Beardsley, Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 9, 1932, Serial No. 597,819
1 Claim. (Cl. 196—46)

In the refining of South Texas lubricating oil stocks having an acid number substantially exceeding 0.2 with sulphuric acid, the improvement which comprises subjecting the oil to a preliminary neutralization treatment insufficient to reduce the acid number of the oil to 0.2, thereafter subjecting the oil to treatment with sulphuric acid and adding an amount of water approximating 1.5–3.0% by volume on the oil to assist the separation of the sludge formed.

1,923,006
HIGH PRESSURE JOINT FOR PRESSURE VESSELS

Kurt Breitschneider, Dortmund, Germany

Application June 12, 1922, Serial No. 568,005
In Germany June 14, 1927
7 Claims. (Cl. 220—3)

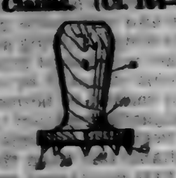


1. A closure for pressure vessels comprising a thin elastic ferrous metal packing ring having a modulus of elasticity of the order of 30,000,000, being provided with an internal wedge section and being adapted to be temporarily sprung outwardly without permanent deformation upon the application of pressure against said wedge section, closure means exposed to the internal pressure of said vessel provided with an external wedge section cooperating with said internal wedge section of said packing ring adapted to press against said packing ring upon rise of pressure within said vessel and to thereby spring said ring against the wall of said vessel in the manner stated and follower means for retaining said packing ring between said cooperating wedge sections.

1,923,007
CAN PUNCH

Frederick W. Brenner, Philadelphia, Pa.

Application January 26, 1925, Serial No. 3,570
4 Claims. (Cl. 164—119)



1. A can punch comprising a handle, a plate attached to the handle the point of attachment being centrally of the plate, and a series of punch members extending upon the side of the plate opposite the handle, with the pressure from the handle being transmitted to the plate along a circular line adjacent to and interiorly of the punch members, each of said punch members having been previously punched from the plate.

1,923,008
PILLOW

Samuel Buchman, Pittsburgh, Pa.

Application August 12, 1932, Serial No. 628,871
1 Claim. (Cl. 5—339)



In a pillow arranged to be stuffed with feathers or like filling, the combination with a conventional pillow casing formed of a bag of flexible

textile material, of a relatively small bag of flexible textile material sewed into the edge seam of the casing and lying within the latter, said bag having an open mouth at the seam of the casing, said bag being arranged for the insertion therein of means for forcing air throughout and through the casing and its contents to renovate and remove dust from said contents.

2,029,609
WELL TOOL
Erwin Burns, Los Angeles, and Harry P. Wickersham, Huntington Park, Calif.
Application August 7, 1933, Serial No. 684,021
16 Claims. (Cl. 255—28)



1. A well tool including, two sections adapted to be connected in an operating string, means holding the sections against relative rotation and longitudinal movement in both directions releasable by a tensile strain on the sections, and means operative after release of the first mentioned means to hold the sections against relative longitudinal movement and releasable by a strain on the sections for effecting a jarring action between the sections, the last mentioned means including parts on the sections adapted to cooperate one with the other and related to be moved one past the other out of engaging relation upon separating movement between the sections whereby the sections are detachable one from the other after the release of the first mentioned means.

2,029,610
WINDOW VENTILATOR
Harry E. Campbell, Baltimore, Md., and Alisten Sargent, Breaxville, N. Y., assignors to Campbell Metal Window Corporation, New York, N. Y., a corporation of Maryland
Application January 21, 1933, Serial No. 652,834
12 Claims. (Cl. 98—94)



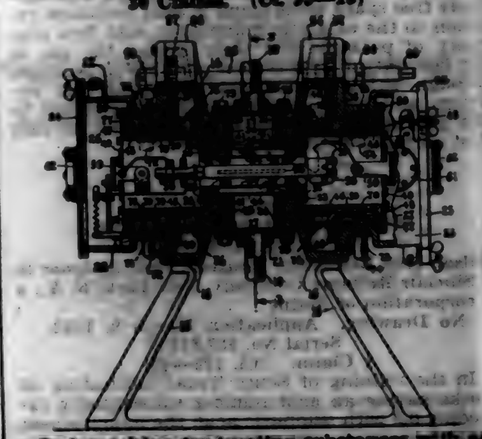
1. A ventilator comprising a casing of elongated box-like form with an air inlet and an air outlet, partition means in said casing dividing the interior thereof into a narrow entrance space receiving air through said inlet and adjacent one long side of the casing, a second space between said entrance space and the side of the casing remote from said entrance space and adjacent one end of the casing and receiving air from said entrance space, air moving means in said second space, and a delivery space extending from said second space to the remote end of the casing and extending between said entrance space and the side of the casing remote from said entrance space and receiving air from said second space and discharging air through said outlet, and noise absorbing means disposed in said delivery space to provide an extended and distributed surface in contact therein with the air moving therethrough.

2,029,611
DISK FILTER
Walter L. Chewning, Cynwyd, Pa., assignor to United Engineers & Constructors Inc., Philadelphia, Pa., a corporation of Delaware
Application May 19, 1934, Serial No. 724,839
7 Claims. (Cl. 210—157)



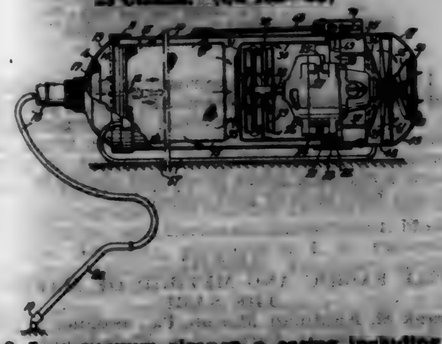
1. In a filter of the type described having a casing having an inlet and an outlet therein, the combination of a rotary stack of disks and spacers between which fluid passes from the outer surface to the interior of the stack, a stack of cleaning blades arranged in said inlet and on the exterior of the stack to sweep the surfaces of the disks, and a shield structure arranged in the casing in said inlet and surrounding said stack of cleaning blades and defining a well of relatively quiescent liquid at the region of the cleaning blades and having an open bottom.

2,029,612
ACTIVE RAY TREATING DEVICE
Harry M. Creighton, East Norwalk, and Edward C. Bernitt, Norwalk, Conn., assignors to The R. U. V. Engineering Corporation, South Norwalk, Conn., a corporation of Delaware
Application October 2, 1931, Serial No. 567,371
Renewed June 27, 1935
20 Claims. (Cl. 99—15)



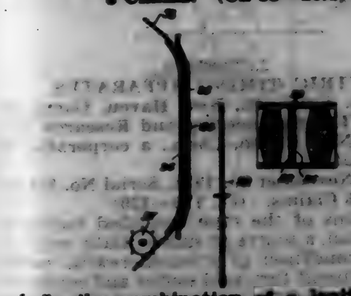
2. A machine for treating substances with active rays comprising a treating chamber, a pair of concentric transparent tubes disposed within said chamber, a source of active rays disposed within said tubes, a tube wiper in contact with the outside tube, and means for rotating said tubes as a unit about the ray source and past the wiper to wipe a surface of the outside tube.

2,029,613
VACUUM CLEANER
Erik Edström, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application June 14, 1933, Serial No. 675,679
In Germany December 7, 1932
23 Claims. (Cl. 183—35)



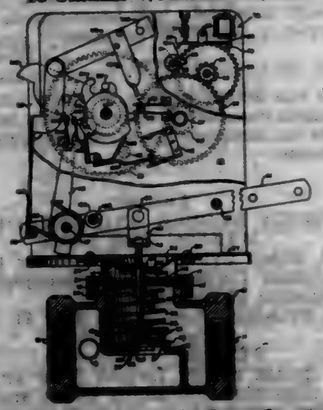
2. In a vacuum cleaner, a casing including a main member and a cap, said cap having an air port therein, air deflecting means for guiding flow of air through said port, a filter in said casing, and means internally of said casing and passing through said filter and said air deflecting means for securing said cap to said main member.

2,029,614
APPARATUS FOR TAKING OR PROJECTING LENTICULATED FILMS
Fritz Fischer, Berlin-Charlottenburg, Felix Strecker, Berlin-Siemensstadt, and Hans Neugebauer, Berlin-Lichterfelde, Germany, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application February 24, 1933, Serial No. 657,123
In Germany February 25, 1932
8 Claims. (Cl. 88—16.4)



1. In the combination of a lenticulated film and an objective adapted to transmit light passing through the lenticulations on the film, a color filter through which said light also passes, said filter having a plurality of zones of different colors whose sum gives substantially the composition of white light, said filter also having outer zones, the color of an outer zone being substantially the same as that of the zone adjacent the opposite outer zone, the sum of the area of one of said outer zones and that of the zone adjacent to the opposite outer zone being substantially equal to the sum of the area of the opposite outer zone and the zone adjacent said one outer zone.

2,029,615
TWO-STAGE VALVE
Willis H. Gille, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 11, 1932, Serial No. 697,685
18 Claims. (Cl. 236—74)

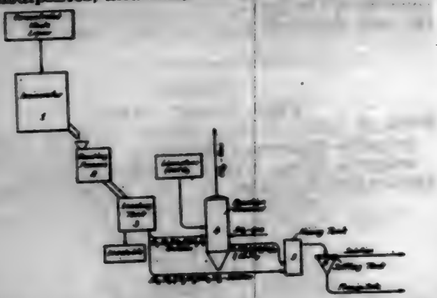


1. In combination, a single valve normally biased to closed position, electrical means for opening said valve maintaining it in open position against its bias, and means in control of said electrical means upon an initial small demand for heat for causing the electrical means to move said valve to a relatively large open position and thereafter automatically allow said valve to return to an intermediate open position and maintain it therein, and manual means for moving the valve to an intermediate open position, releasably latching the valve in such position and for closing a valve opening circuit for the electrical means upon a failure of electrical power, whereby said valve will be opened further upon a resumption of power to release said latching means and return the valve to automatic control.

2,029,616
PROCESS FOR PREPARING ALKALI SULPHITE OR ALKALI BISULPHITE SOLUTIONS FROM WASTE LIQUORS OBTAINED IN THE DIGESTION OF CELLULOSE WITH ALKALI SULPHUR COMPOUNDS
Gustaf Haglund, Stockholm, Sweden, assignor to Patentaktiebolaget Grändal-Ramen, Stockholm, Sweden
Application April 16, 1931, Serial No. 529,300
In Germany January 16, 1931
11 Claims. (Cl. 92—129)

7. The process for preparing a solution of alkali metal salts of sulphurous acid from waste liquor resulting from a cellulose digestion process employing cooking liquor containing alkali metal sulphur compounds, which comprises treating the waste liquor to eliminate organic compounds and to form a solution of alkali metal compounds containing an alkali metal sulphate and substantially free from sulphides and thiosulphates, subjecting the solution to the action of sulphur dioxide and one or more calcium compounds capable of reacting with sulphurous acid to form

calcium bisulphite until the alkali metal salts contained in the solution have been converted to bisulphites, and subjecting the resulting solu-



tion to the action of one or more alkali metal compounds capable of reacting with calcium bisulphite to form one or more insoluble calcium compounds.

2,029,617
SPONGE RUBBER AND METHOD OF MAKING THE SAME
Glen S. Hiers, Cynwyd, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 31, 1933, Serial No. 682,182
9 Claims. (Cl. 18—59)

1. A sponge rubber formed from an aqueous rubber dispersion containing borax and a vegetable gum coagulable by said borax, and a cell-forming agent.

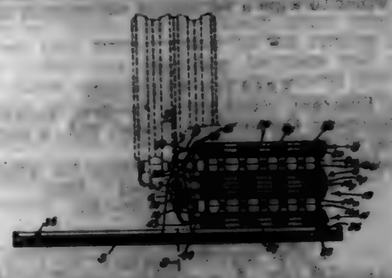
2,029,618
PRODUCTION OF ALCOHOLS
Heinrich Hopff, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application May 11, 1931, Serial No. 536,670. In Germany May 22, 1930
20 Claims. (Cl. 260—153)

1. The process for the production of non-tertiary alcohols, which comprises acting with an alkylene oxide in the presence of a Friedel-Crafts condensing agent on an organic compound selected from the group consisting of hydrocarbons, non-substituted heterocyclic compounds and mono-halogen derivatives of both, at a temperature up to 100° C.

2,029,619
PURIFICATION OF OXIDATION PRODUCTS
Joseph Hidy James, Pittsburgh, Pa., assignor to Clarence P. Byrnes, trustee
No Drawing. Application July 15, 1932, Serial No. 622,643
7 Claims. (Cl. 87—9)

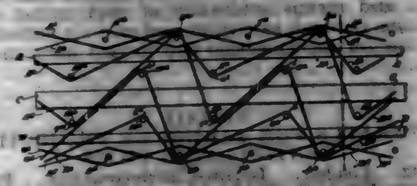
1. In the treatment of oily liquid partial oxidation products containing oxygen derivatives of aliphatic hydrocarbons to produce a lubricant, the steps consisting of fractioning said oily liquid products into fractions of different average molecular weight containing similar bodies in the range from alcohols to oxygenated acids, reacting a heavier fraction with a relatively small percentage of sulphuric acid at a temperature materially above 45° C., removing excess free sulphuric acid, and then removing oil-soluble sulphonates, leaving a lubricant substantially free from gum-forming compounds and oil-soluble sulphonates but containing oxygenated acids.

2,029,620
WAFFLE COOKER
Henry C. Johnson, Los Angeles, Calif.
Application July 12, 1935, Serial No. 31,652
2 Claims. (Cl. 53—10)



1. A waffle cooker comprising a base, supporting means upstanding from said base, a plurality of waffle containers assembled in a superimposable relation to each other, means to hinge said containers to said supporting means to swing about a common hinge pivot, and means to electrically heat each of said containers.

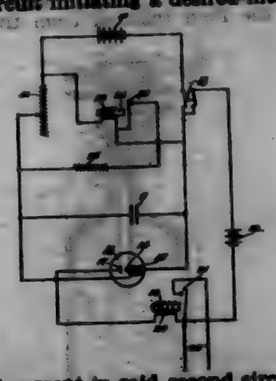
2,029,621
PILE FABRIC AND METHOD OF MAKING THE SAME
Frank M. Kaufman, Marion, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application April 12, 1933, Serial No. 665,725
4 Claims. (Cl. 139—391)



1. A pile fabric comprising a ground containing ground wefts and pairs of pile warps interlaced therein, each pile warp forming alternately a long loop and a short pile loop and the short loop of one warp of a pair being aligned with a long loop of the other warp of such pair, and the warps of such pair being looped under the same ground wefts.

2,029,622
ELECTRIC TIMING APPARATUS
Frederick G. Kelly, Jr., New Haven, Conn., assignor to The Engineering and Research Corporation, New Haven, Conn., a corporation of Connecticut
Application November 20, 1933, Serial No. 703,612
6 Claims. (Cl. 175—339)

1. Apparatus of the type described including, in combination, a source of substantially constant E. M. F., a condenser in series therewith, means to close the circuit thru said source and condenser to charge the condenser at a desired rate, a glow tube having an anode, a cathode and a control element, the condenser being in parallel with the anode and control element of said tube, a circuit connected between the anode and cathode of said tube including a source of current, a switch element and a current flow indicating means, said tube permitting the flow of current in said second circuit only upon the attainment of a predetermined potential in said condenser, the closing of said first circuit initiating a desired interval and

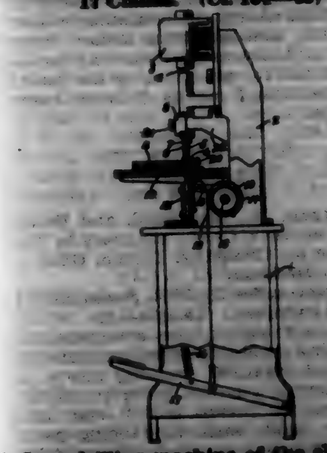


the flow of current in said second circuit ending said interval.

2,029,623
WORKING UP OF NATURAL AND INDUSTRIAL SALT MIXTURES
Carl Kircher and Fritz Mueller, Ludwigshafen-on-the-Rhine, and Hermann Sussenguth, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application November 2, 1929, Serial No. 404,507. In Germany December 10, 1928
1 Claim. (Cl. 23—49)

The process which comprises subjecting a mixture of potassium nitrate and ammonium chloride to extraction with anhydrous liquid ammonia containing ammonium nitrate and then with substantially anhydrous liquid ammonia and removing the solution thereby obtained from the remainder.

2,029,624
PAPER SLITTING AND SLOTTING MACHINE
James Edgar Lee, Olaf T. Gylleck, and Freeman Barney, Grand Haven, Mich., assignors to The Challenge Machinery Company, Grand Haven, Mich., a corporation of Michigan
Application December 3, 1934, Serial No. 755,672
17 Claims. (Cl. 164—43)



1. In a drilling machine of the class described adapted to drill and cut a plurality or pack of sheets or the like having a table adapted to receive said sheets, a support above the table, and a drill removably mounted on the support, said drill being adapted to cut the said sheets, the combination of a back gauge mounted upon the table, said sheets being located against the gauge whereby they may be drilled, a slitting mechanism movably attached to the said support, said drill being removed when the slitting mechanism is attached in position and means of predetermined dimension adapted to be inserted between the back gauge and the sheets whereby the slit which may be cut by the slitting mechanism is positioned in a predetermined relationship relative to the first cut which is made in the sheets.

2,029,625
V-SLOT PAPER CUTTER
James Edgar Lee, James Wesley Lee, Olaf T. Gylleck, and Freeman Barney, Grand Haven, Mich., assignors to The Challenge Machinery Company, Grand Haven, Mich., a corporation of Michigan
Application August 24, 1935, Serial No. 37,788
9 Claims. (Cl. 164—15)



1. In a drilling machine of the class described adapted to drill and cut a plurality or pack of sheets or the like having a table adapted to receive said sheets, a support above the table, and a drill removably mounted on the support, said drill being adapted to cut the said sheets, the combination of a back gauge mounted upon the table, said sheets being located against the gauge whereby they may be drilled, a slitting mechanism movably attached to the said support, said drill being removed when the slitting mechanism is attached in position, said slitting mechanism having a pivoted blade rotatable to two positions and means of predetermined dimension adapted to be inserted between the back gauge and the sheets whereby the two slots which may be cut by the slitting mechanism are positioned in a predetermined relationship relative to the first cut which is made in the sheets.

2,029,626
SCRUBBING MITT
Clarence E. Lierley, Los Angeles, Calif.
Application October 7, 1935, Serial No. 43,868
3 Claims. (Cl. 69—8)



2. A mitten of the kind described having a pocket formed by an applicator portion on one side thereof and a finger-grippable flap on the opposite side thereof, said mitten having a thickened body portion at the base of said pocket which has a pointed outer extremity and an inner part positioned to be engaged by the tips of the fingers of the operator.

2,029,627
MANUFACTURE OF BASIC REFRACTORY MATERIAL
Richard L. Lloyd, Great Neck, N. Y., and Reed W. Hyde, Summit, N. J., assignors to Dwight & Lloyd Metallurgical Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 19, 1932, Serial No. 623,236
10 Claims. (Cl. 106—9)

1. Method for the manufacture of refractory

material, which comprises comminuting a raw material selected from the group consisting of magnesite and dolomite, mixing therewith fine sized fluxing materials, bonding said mixture with an hydraulic cement comprising an oxychloride of an alkaline earth compound, converting said bonded mixture into coarse sized pieces, as compared to the fine raw materials, adding fuel, and burning the mixture by forced draft combustion of the intermixed fuel, whereby high temperatures are obtained at which the raw materials are transformed into a clinkered, hard burned refractory product.

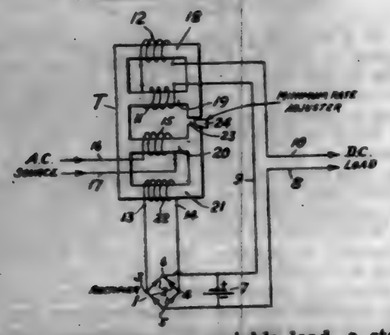
2,029,623

MEANS FOR CONTROLLING THE CHARGE AND DISCHARGE OF A STORAGE BATTERY

Edward L. Lord, Glenside, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 28, 1932, Serial No. 601,600

8 Claims. (Cl. 171—314)



7. In combination, a variable load, a storage battery connected with said load, a transformer having a primary and a secondary, a flux path for by-passing a portion of the flux of said transformer from said secondary, a rectifier having its input terminals connected with said secondary and its output terminals connected with said battery, and means effective when said load is increased for increasing the reluctance of said path to increase the charging current flowing into said battery.

2,029,629

SYSTEM AND APPARATUS FOR RELEASE OF FLUIDS

Daniel Mapes, Upper Montclair, N. J., assignors to Walter Kidde & Company, Inc., New York, N. Y., a corporation of New York

Application October 21, 1931, Serial No. 570,102

11 Claims. (Cl. 169—11)

10. In combination, a fluid container having an opening and a closure for the opening, a body formed with a chamber, an operating member in the form of a piston in said chamber, an inlet for admitting an operating fluid into the chamber above the operating member to actuate the same, an opening member associated with said operating member, said opening member being operable by said operating member to open said closure, an outlet port normally closed off by the operating member from the space above the operating member and uncovered by movement thereof to release the operating fluid only after the opening of the closure member has been effectively completed, and a normally closed fluid conducting passage adapted to be opened by movement of the operating member to connect the space above the closure with the outlet, whereby the fluid released from the container



may also be discharged through the outlet when the passage has been opened by movement of the operating member.

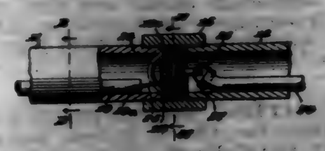
2,029,630

WATER PIPE

Samuel McMichael, Round Hill, Va., assignor, by mesne assignments, of one-fifth to Rachel C. Smith, Berryville, Va.

Application August 13, 1934, Serial No. 739,696

6 Claims. (Cl. 138—88)



1. In fluid handling apparatus, in combination, a fluid container, expansion-absorbing means comprising a compressible core and rubber walls positioned within said container, whereby the expansion of fluid within the container is absorbed by said means, and fastening means secured to the ends of said expansion-absorbing means and to said container for maintaining the position of said first-mentioned means linearly respecting said container.

2,029,631

SWIVEL

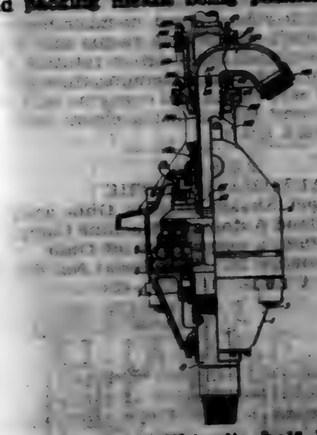
John S. Morgan, Jr., Inglewood, and Demery A. Murphy, Torrance, Calif., assignors to The National Superior Company, Toledo, Ohio, a corporation of Delaware

Application November 26, 1934, Serial No. 754,866

14 Claims. (Cl. 255—25)

1. In a rotary swivel, the combination of a bearing housing including upper and lower members connected together, a rotary sleeve having a fluid conducting passage being rotatably supported on bearing means within said housing, a wash pipe, said wash pipe being reversible end for end, means connected with said bearing housing to non-rotatably secure either end of said wash pipe axially of said sleeve, packing means carried by the rotary sleeve and surrounding the wash pipe to form a fluid tight rotary connection between the wash pipe and the sleeve,

said packing means being positioned axially of



the wash pipe within its half length farthest removed from its secured end.

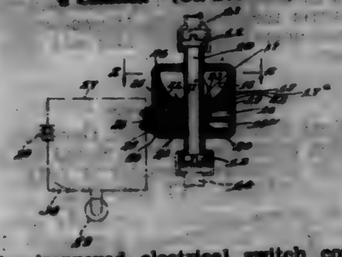
2,029,632

CENTRIFUGAL ELECTRICAL MERCURY SWITCH

Guy S. Moore, Salem, Mass., assignor of fifty-one per cent to Eugene B. Fraser, Lynn, Mass., and twenty-four per cent to Fred H. Rowe, Gloucester, Mass.

Application January 5, 1934, Serial No. 705,407

4 Claims. (Cl. 200—89)



1. An improved electrical switch comprising an internally cup-shaped rotor, a stationary casing enclosing said rotor, brush contact members mounted in said casing, annular rings embedded in said rotor adapted to engage said brushes, mercury located in the cup cavity of said internal cup shaped rotor, a spiral groove located in the surface of said cavity, electrical contacts located in the bottom of said spiral groove and connecting with said rings, mercury located in said cavity adapted to engage said contacts in said grooves when said rotor is at a rest position.

2,029,633

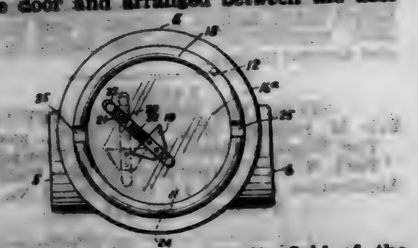
FLOW INDICATOR

Karl Mahlstedt, Philadelphia, Pa., assignor to Schutte & Koerting Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 24, 1934, Serial No. 745,375

3 Claims. (Cl. 116—117)

3. A fluid flow indicator comprising the combination of a hollow casing of opaque diamagnetic material and having a fluid-way and provided with a circular seat and sleeve defining an opening, a magnetized clapper depending in the fluid-way, a diamagnetic opaque door seated on the seat, a spacer ring and a clamping ring arranged in the sleeve, a window interposed between the rings with space between it and the door, and an indicator of magnetic material suspended from the door and arranged between the door



and window and in the magnetic field of the clapper.

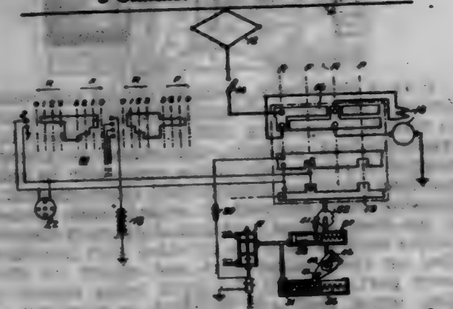
2,029,634

PNEUMATIC DRIVE SYSTEM

Charles Peter, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application October 10, 1932, Serial No. 637,025

3 Claims. (Cl. 121—40)



1. In a fluid pressure operated system, a shaft to be rotated, a fluid pressure operated motor and a single valve controlling the flow of fluid under pressure to said motor, said motor comprising a main piston for stepwise rotation of said shaft in the same direction, a ratchet mounted on said shaft to drive the same, a pawl arranged for operation by the main piston for engagement with the ratchet, an auxiliary piston, said main and said auxiliary pistons moving along parallel axes, a latch wheel mounted on said shaft, and a latch arranged for movement by the auxiliary piston and for engagement with the latch wheel to retain said shaft in position.

2,029,635

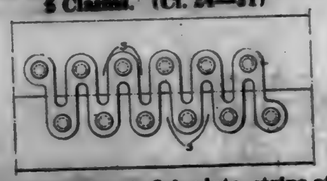
FISHPLATE FOR LATERALLY JOINING TWO OR MORE METALLIC STRIPS

Alfred Birdy Rahsen, Sandviken, Sweden

Application March 22, 1934, Serial No. 717,126

In Sweden April 8, 1933

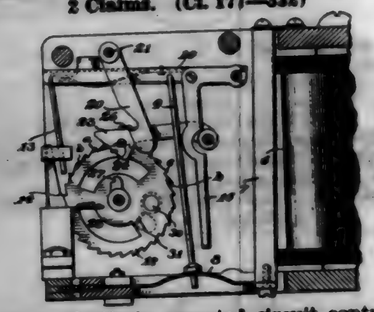
5 Claims. (Cl. 24—31)



1. In combination, a fish plate, strips of metallic belting of the same thickness having their ends in alignment, means for securing said fish plate to only one flat side of the metallic belting, leaving the other flat side completely smooth, said fish-plate having slits extending from two opposite edges of the plate alternately in zigzag and all crossing a plane coinciding with the butted

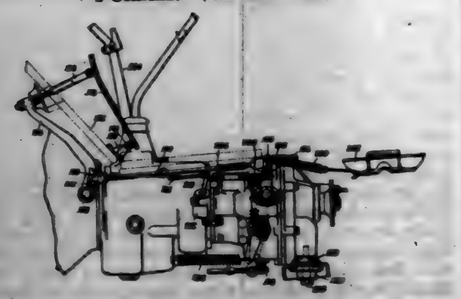
edges of the strips when joined, said fish-plate being adapted to travel along the above mentioned plane both in a straight and in a curved path, respectively, from one pulley to another and around pulleys.

2,029,636
SELECTIVE SIGNALING DEVICE
Eric M. Rickard, New York, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application October 13, 1932, Serial No. 637,653
2 Claims. (Cl. 177—332)



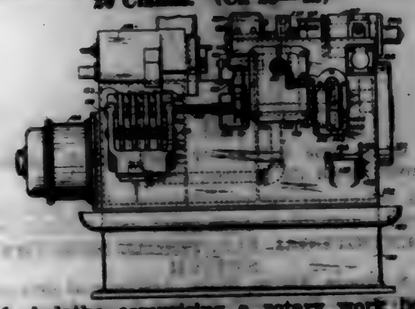
1. In a selectively operated circuit controlling device, a step-by-step toothed element, operating to control a signaling circuit when brought to a predetermined position, comprising an electromagnet, a pivoted armature responsive to short and long impulses through said electromagnet, a stepping pawl adapted to actuate said element in the operation of said armature, said element having some of its teeth provided with faces bevelled on their upper part and square on their lower part, some of the teeth being square on their upper part and bevelled or undercut on their lower part, and some of the teeth having uncut faces, being square on both upper and lower parts, said upper bevelled, lower bevelled and uncut teeth being disposed in a predetermined arrangement, and a retaining pawl operated by said armature and mounted so as to engage the upper part of said teeth upon the occurrence of a short impulse and to engage the lower part upon the occurrence of a long impulse, whereby said lower bevelled teeth are held by said retaining pawl only upon the occurrence of a short impulse, said upper bevelled teeth are held only upon the occurrence of a long impulse, and said uncut teeth are held upon the occurrence of either a short or a long impulse.

2,029,637
COMBINED FREEWHEELING AND POWER BRAKE UNIT
Edward A. Rockwell, New York, N. Y.
Application February 10, 1933, Serial No. 656,091
4 Claims. (Cl. 188—149)



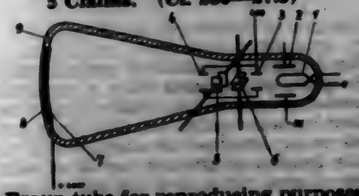
1. In a power brake unit a casing, an output rock shaft rockably supported by the side walls of said casing, a yoke-shaped member mounted on said rock shaft within said casing and keyed to said rock shaft against relative rotation with respect thereto, and a pin extending through the bottom wall of said casing and engaging said yoke member to prevent lateral displacement with respect to said rock shaft.

2,029,638
AUTOMATIC LATHE
Harry W. Ruppel, Shaker Heights, Ohio, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio
Application January 25, 1932, Serial No. 653,432
20 Claims. (Cl. 29—42)



1. A lathe comprising a rotary work holder having a chuck, fluid operated chuck opening and closing means, a fluid operated stock feeding device, a fluid operated turret and mechanism operated by the fluid ejected from said fluid operated turret for controlling the actuation of the said chuck operating means and said stock feeding device.

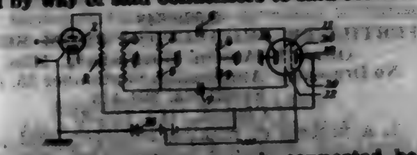
2,029,639
BRAUN TUBE
Kurt Schlesinger, Berlin, Germany
Application December 28, 1932, Serial No. 648,615
In Germany December 24, 1931
5 Claims. (Cl. 250—27.5)



1. A Braun tube for reproducing purposes comprising an envelope, a cathode and an anode mounted in operative relationship thereto, means for deflecting the cathode ray, a layer of a fluorescent substance mounted at one end of said envelope, and a thin, homogeneous, coherent, metallic coating mounted on the side of the fluorescent layer facing said cathode.

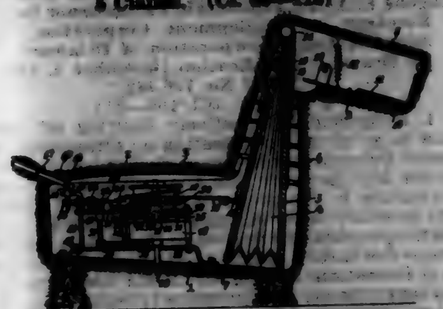
2,029,640
AUDION ARRANGEMENT FOR SHORT WAVE TELEVISION PURPOSES
Kurt Schlesinger, Berlin, Germany
Application July 17, 1934, Serial No. 735,690
In Germany July 19, 1933
4 Claims. (Cl. 250—27)

1. An audion arrangement for grid-detection, more particularly in the case of television signals modulated on a carrier frequency comprising a transformer coupled to the output of a carrier frequency amplifier, the secondary of said transformer being tuned by its natural capacities to said unmodulated carrier frequency, a multi-electrode valve at least comprising an anode, a cathode, and two control grids, said cathode being connected to earth, two sudion condensers, the middle tapping point of said secondary connected to earth, the ends of said secondary connected by way of said condensers to said control-



grids, two leak resistances each connected between one of said grids and earth and two damping resistances each connected between the one end of said secondary and earth across the two halves of said secondary.

2,029,641
SOUND PRODUCING DEVICE
Anthony G. Schaack, Los Angeles, Calif.
Application April 30, 1934, Serial No. 723,182
5 Claims. (Cl. 46—118)



1. A sound producing device comprising a spring retracted reciprocable member, which device produces a sound the volume of which is proportional to the velocity of movement of the reciprocable member, in combination with a driving mechanism comprising a drum, a cord looped about said drum and connected at one end to said spring retracted member, means for rotating said drum in a direction to tighten said one end of said cord, a cam mechanism comprising a plate member and a follower member, one of which members is coupled to said drum for movement therewith and the other of which members is connected to the other end of said cord and mounted for reciprocatory movement toward and away from said drum in response to relative movement between said cam members, whereby when said drum is rotated the cord is intermittently snubbed into driven relation with said drum to shift said spring retracted sound producing member, and slackened to slip around said drum and release said spring retracted sound producing member in a manner determined by the shape of said cam plate.

2,029,642
METHOD OF MAKING SECONDARY AROMATIC AMINES
Waldo L. Semon, Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 22, 1933, Serial No. 677,273
14 Claims. (Cl. 260—128)

1. The process which comprises separately forming a salt of a phenol and a primary aromatic amine, and heating the salt to cause its condensation to produce a secondary amine.

10. The method which comprises preparing a poly-hydroxy benzene in an aqueous solution, adding a primary aromatic amine to precipitate the poly-hydroxy benzene as its amine salt, and heating the salt to cause its condensation to produce a secondary amine.

2,029,643
FLOWER HOLDER
Ida M. Sinclair, Cuyahoga Falls, Ohio
Application August 3, 1935, Serial No. 34,583
7 Claims. (Cl. 47—41)



1. A flower holder comprising a base and a plurality of flower supporting members attached to said base, each of said members being formed from a single length of wire, the intermediate portion of which is in substantially the form of an M.

2,029,644
CAR SPRING MOUNTING
John J. Tatum, Baltimore, Md.
Application June 3, 1932, Serial No. 615,184
17 Claims. (Cl. 267—3)



1. A spring structure comprising a backing member having end pockets and a plurality of pairs of intermediate pockets, said intermediate pockets being arranged in transverse alinement, a semi-elliptic spring having its ends engaging the end pockets, and coiled springs engaging the intermediate pockets and arranged for cooperation with the semi-elliptic spring to yieldingly support a load resting thereon.

2,029,645
STRUCTURAL ELEMENT
Hugh L. Waugh, Ferndale, Mich., assignor to Stran-Steel Corporation, Detroit, Mich., a corporation of Michigan
Application December 18, 1933, Serial No. 703,091
6 Claims. (Cl. 189—37)

1. In a structural element, flanged members having substantially co-planar flanges and flanges extending in the same direction from the inner edges of said co-planar flanges and formed with longitudinal transversely curved corrugations, an intermediate member between said last mentioned flanges and having a portion substantially uniformly spaced from each to form

laterally spaced curved slots to receive and retain fastening elements, and means inwardly of



said corrugations for rigidly securing said flanged members and intermediate member in assembled relation.

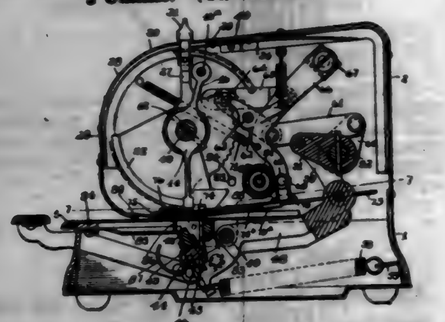
2,029,646

INKING MECHANISM FOR CHECK WRITERS

Herman C. Welter, Rochester, N. Y., assignor to Hall-Welter Co., Inc., Rochester, N. Y., a corporation of New York

Original application December 19, 1930, Serial No. 503,515. Divided and this application June 5, 1933, Serial No. 674,496

2 Claims. (Cl. 101—97)



1. In a check writer, the combination with a casing including spaced side walls, one of which has an opening, a hinged pad, a holder therefor and means for effecting reciprocatory movement of the holder, of a re-inker for said pad comprising a rod and a roller freely revoluble thereon, the shaft and its roller being insertable through said opening, a supporting plate for one end of the shaft comprising a closure for said opening, and means on the other of said walls for releasably supporting the inner end of said rod.

2,029,647

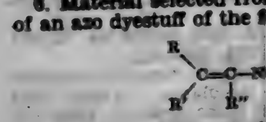
ETHYLENE AZO DYESTUFFS AND THEIR MANUFACTURE

Robert Wisinger, Bonn-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 17, 1934, Serial No. 711,730. In Germany February 16, 1933

10 Claims. (Cl. 260—96)

6. Material selected from the group consisting of an azo dyestuff of the formula:



in which R and R' each signify an aryl radical or an aryl radical substituted by an auxochrome, R''' signifies a member of the group consisting of hydrogen, chlorine, bromine, and iodine atoms, and nitro, carboxyl, carbonyl, sulfonic acid, alkyl, aryl, and aralkyl groups, and R''' represents an aryl radical and the acid addition product of such an azo dyestuff.

2,029,648

FERTILIZER PRODUCTION FROM SEWAGE

Oliver V. Austin, Hattiesburg, Miss.

No Drawing. Application September 28, 1933, Serial No. 691,411

5 Claims. (Cl. 71—8)

3. A process of making fertilizer, said process comprising confining concentrated sewage and while so confined subjecting the same to steam at high pressure and high temperature for a few minutes, then suddenly releasing the sewage and steam from confinement whereby to cause the cell structure of the sewage to be explosively disintegrated.

2,029,649

REDUCING WATER FLOW IN OIL WELLS

Eugene E. Ayres, Pittsburgh, Pa., assignor to Gulf Research & Development Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 5, 1934, Serial No. 756,132

5 Claims. (Cl. 166—21)

1. A method of selectively shutting off water flow in an oil well penetrating oil formations and water formations wherein carbon dioxid is forced under high pressure into the well and the water formation in the presence of calcareous matter, the pressure being sufficient to overcome hydrostatic pressure in the water formation and to cause the carbon dioxid to penetrate far back in said formation, the carbon dioxid dissolving calcareous matter, and pressure is released, to deposit insoluble calcareous matter of increased bulk in the water formations, plugging them.

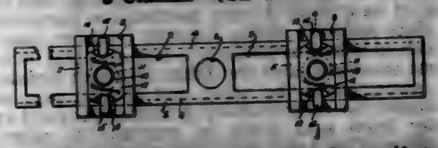
2,029,650

DRILL JIG

William Betz, Detroit, Mich.

Application January 14, 1933, Serial No. 651,800

3 Claims. (Cl. 77—62)



1. A drill jig comprising a base for resting on the work and provided with an elongated opening defining a pair of spaced parallel bars, the outer sides of said bars being formed with a groove, a block provided in its bottom with a pair of spaced longitudinal grooves arranged to receive the respective bars so that the bottoms of the grooves slide on the tops of said bars and the opposite sides of the grooves slidably engage the opposite sides of the bars, set screws traversing the outer sides of said block and engaging in the respective grooves in the outer sides of the bars so as to lock the block in adjustable positions on said bars, said block being formed in its top with a transverse groove into which the said bottoms of the grooves open, said block being further formed with a vertical bore placed between said grooves and between the sides of said transverse groove, a drill bushing having a tubular shank fitting in said bore and a lateral shoulder on its upper end conformably seating in said transverse groove and resting on the tops of said bars appearing in the open portion of said bottoms, and screw clamp means threaded into the floor of said transverse groove outwardly of said open portions of the bottoms, said clamp means having a lateral arm arranged to swing over and forcibly engage the top of the bushing as the screw means is turned in a direction to thread the same into said floor.

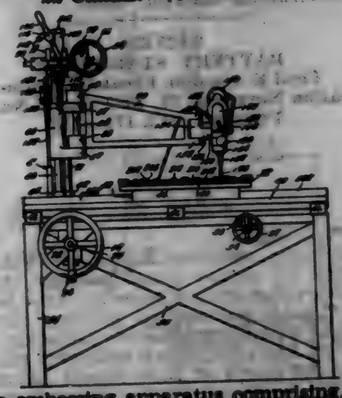
2,029,651

EMBOSSING APPARATUS

John J. Brand, Washington, D. C.

Application April 22, 1935, Serial No. 17,704

22 Claims. (Cl. 101—3)



1. An embossing apparatus comprising, a stationary support, a pulsating hammer, a hammer mounting structure connected with the hammer and carried by the support, means mounted on the support for moving the hammer mounting structure with respect to the support, and a gauge associated with the hammer mounting structure for registering the movement of the hammer.

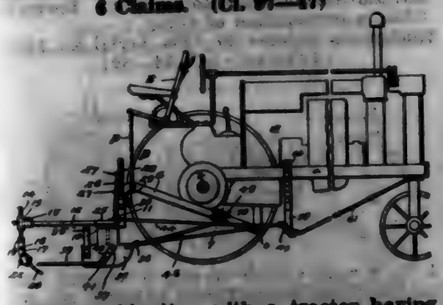
2,029,652

CULTIVATOR ATTACHMENT FOR TRACTORS

Joseph W. Capps, Portales, N. Mex., assignor of one-half to Emmit Sidney Capps, Pecos, Tex.

Application August 6, 1935, Serial No. 35,012

6 Claims. (Cl. 97—47)



1. The combination with a tractor having a pair of rearwardly extending pivoted beams, and means for raising or lowering the rear ends of said beams, of transversely extending base members operatively connected to the beams for vertical movement therewith, pairs of runners mounted upon the undersides of said base members, cultivator shovels carried by the base members and extending rearwardly therefrom, a draw bar operatively connected to the tractor and extending transversely across the same, an operative connection between the outer pairs of runners and the draw bar and between the inner pairs of runners and the beams, and an operative draft connection between the base members and said draw bar.

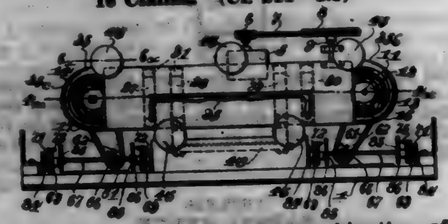
1,823,453

DISPLAY DEVICE

Saul H. Chazan, Rochester, N. Y.

Application September 16, 1933, Serial No. 633,484

16 Claims. (Cl. 211—1.5)



1. In a display device the combination of a tubular frame having an intermediate tubular section, end tubular sections, sleeves connecting said sections, each of said sleeves having a flange thereon extending only to the outside diameter of said tubular sections intermediate the ends thereof against which the sections abut, the outer ends of the end sections being flattened, upright shafts mounted to turn in the end sections, rectangular frames supporting the end sections, means for rotating said shafts in said end sections.

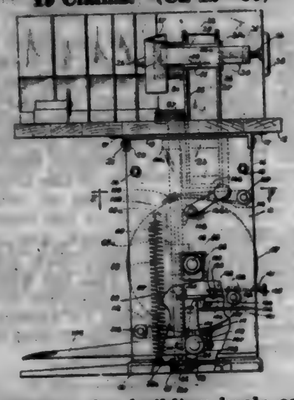
2,029,654

HEEL FORMING MACHINE

Charles H. Coulson, Hanover, Pa.

Application March 13, 1935, Serial No. 10,942

19 Claims. (Cl. 12—50)



1. A machine for building heels comprising a magazine for lifts, a table upon which the heel blanks are built, a reciprocating means for forcing the table and blanks to a predetermined distance within the magazine, means for actuating the reciprocating means, means operated by the reciprocating means for causing the actuating means to be released when the reciprocating means has substantially completed its stroke, and means for returning the reciprocating means to an inoperative position.

1,619,455

APPARATUS FOR STRAINING SUGAR CANE JUICE

Andrew C. I. Coulter, Naalehu, Territory of Hawaii

Application May 22, 1934, Serial No. 726,981

15 Claims. (Cl. 210—149)

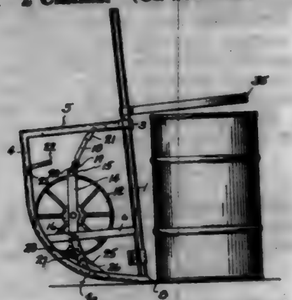
1. A straining apparatus for association with a series of sugar mills including carriers for con-

veying bagasse from one mill to another, said apparatus including a screen and a sugar juice delivery trough disposed above the screen for distributing the juice substantially evenly thereto,



said trough having an edge over which the juice is adapted to discharge onto the screen and said edge being inclined downwardly relatively to the bottom of the trough in the direction of flow of the juice.

2,029,656
BARREL TRUCK
Harry Dawson, Everett, Wash.
Application October 20, 1934, Serial No. 749,225
2 Claims. (Cl. 280—53)



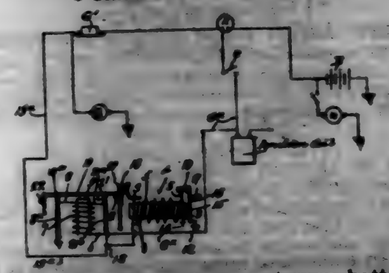
1. A truck of the character described, comprising a truck frame having a pair of rockers at its forward end on which the truck may rock from a substantially upright position to load carrying position, a wheel frame disposed between the rockers, a pair of wheels mounted in said wheel frame; said frame being pivotally connected at a point eccentric of the wheels to the truck frame, and adjustable from a position at which said wheels are within the limits of the rockers to a position for supporting the truck, and a pair of dogs pivotally mounted in the truck frame and having operative connection with the wheel frame to be moved thereby from a position within the rockers to a position extended forwardly thereof when the wheel frame is in position that the truck may be supported by the wheels.

2,029,657
METHOD FOR CONVERTING HYDROCARBON FLUIDS INTO FUEL GAS
Frederick E. Frey, Walter F. Happke, and Jesse A. Guyer, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Application March 19, 1932, Serial No. 600,018
5 Claims. (Cl. 48—214)



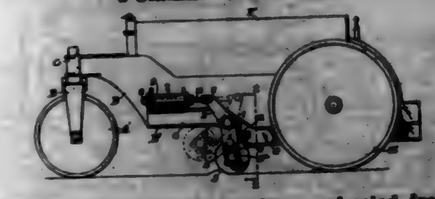
1. A continuous process for the manufacture of clean fuel gas, wherein hydrocarbon reforming reactions and water gas reactions are caused to proceed simultaneously in the presence of a catalyst, said process comprising preliminarily admixing steam and hydrocarbon fluids of the propane-butane type in predetermined proportions; passing said mixture through a series of externally heated catalysts; heating the mixture intermediate the catalysts to compensate for loss of heat due to the endothermic character of the water gas reactions; and adding hydrocarbon fluids to the mixture at intervals during said passage, whereby the resultant gas contains substantial quantities of hydrocarbons and water gas and is of predetermined calorific value.

2,029,658
BATTERY STABILIZER
Cecil E. Gordon, Pocatello, Idaho
Application November 25, 1933, Serial No. 644,398
7 Claims. (Cl. 171—313)



1. In a charging system, a storage battery, a generator for charging the battery, a grounded normally open switch connected with the output of the generator; means tending to close the switch; and electromagnetic means independent of the switch circuit whereby when the voltage at the generator rises above a predetermined point the said first mentioned means will be permitted to operate to close the switch thereby grounding the generator and diverting the excess generated current from the electromagnetic means.

2,029,659
ROAD ROLLER
Carl F. Greiner, Springfield, Ohio, assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio, a corporation of Ohio
Application October 20, 1934, Serial No. 749,236
3 Claims. (Cl. 94—50)



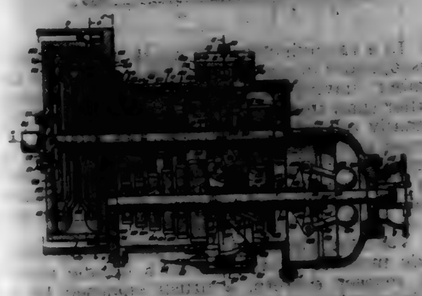
1. In a road vehicle having a wheeled frame; arms journaled on the frame adjacent the center of the vehicle; a ground roller carried by the lower ends of said arms adapted to support the greater portion of the weight of the vehicle when the roller is in operative position contacting with the ground; abutments carried by the frame adapted to take the thrust from the arms and to fix the operative position of the roller; and means for simultaneously pivoting the arms through equal arcs, said means maintaining said arms in firm contact with the abutments when the roller is in operative position; said abutments and means coacting to rigidly support the arms with respect to the frame.

2,029,660
DISPENSING CONTAINER
Clarence A. Johnston, Pecos, N. Mex.
Application January 24, 1935, Serial No. 3,215
1 Claim. (Cl. 206—46)



A device of the class described, comprising an elongated tubular casing having its lower end provided with an annular outwardly extending projection forming an internal annular groove and an external shoulder, a plunger having an outwardly extending flange at its bottom extending into the groove with its upper end projecting from the upper end of the casing, said upper end of the casing having an inwardly extending flange, the inner edge of which is spaced from the upper part of the plunger, a tubular container encircling the plunger and passing through the space between the flange at the upper end of the casing and the plunger, said container having an outwardly extending flange at its lower end contacting the internal wall of the casing, the upper end of the container being rounded and having an opening therein and a cap for fitting over the container and the casing and having its lower end engaging the shoulder of the casing.

2,029,661
TRANSMISSION
George O. Jones, Ludowici, Ga.
Application July 14, 1933, Serial No. 680,451
19 Claims. (Cl. 74—336.5)



1. In a variable speed transmission, a source of power, a flywheel rotated by said source, opposed clutching areas on the flywheel, a plurality of clutching means adapted to clutch each clutching area, driven members operatively connected to each of the clutching means, and means to select which clutching means shall engage the clutching areas.

2,029,662
DISPLAY TRAY
Frank H. Kersen, Louisville, Ky.
Application April 24, 1934, Serial No. 722,153
Renewed July 8, 1935
1 Claim. (Cl. 229—2.5)



A display tray of the class described comprising a bottom part and an upstanding flange, said bottom part having a raised portion, the edges of which are spaced from the flange, the raised portion having its major part flat, with its edge portions curving downwardly and outwardly and the flat part of the raised portion being located in a plane above the plane of the upper edge of the flange.

2,029,663
RECOVERY OF PHOSPHORUS FROM DILUTE GASES
Friedrich P. Kerschbaum, Frankfort-on-the-Main, Germany, William H. Waggaman, Baltimore, Md., and Stapleton D. Gooch, Pembroke, Fla., assignors, by mesne assignments, to Pembroke Chemical Corporation, a corporation of Florida
No Drawing. Application November 3, 1930, Serial No. 494,442. Renewed August 10, 1934
1 Claim. (Cl. 23—223)

A process of removing phosphorus from blast furnace gases relatively dilute in this element, comprising passing the gases relatively slowly through a series of condensers, spraying the gases with water, in each condenser, maintained at progressively lower temperatures, rapidly recirculating the bulk of water in the first condenser so as to insure a recontacting of a given quantity of gas with the recirculating medium, maintaining the water in the first condenser at temperatures between 110° to 212° F., maintaining the water in the second condenser at temperatures between 65° and 110° F. and maintaining the water in the final condenser at temperatures between 32° to 65° F.

2,029,664
METHOD OF BAKING A LOAF OF BREAD
Lemuel L. Lassiter, Greensboro, N. C.
Application November 24, 1934, Serial No. 754,651
2 Claims. (Cl. 107—54)

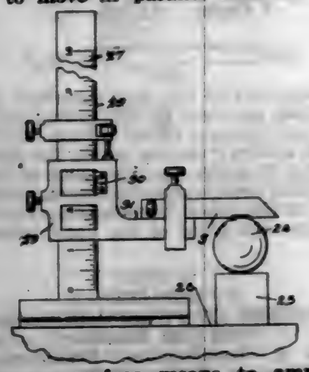


1. The method of making a loaf of bread, consisting in wrapping the unleavened dough around a form of desired shape, baking the loaf with the form inside, cutting out a section of the baked loaf, removing the form to leave a hole for the insertion of an edible filling, inserting said filling, and replacing the cut out section of the loaf.

2,029,665
SCRIBER INDICATOR
Frank Markowicz, Detroit, Mich.
Application June 4, 1932, Serial No. 615,377
5 Claims. (Cl. 33—172)

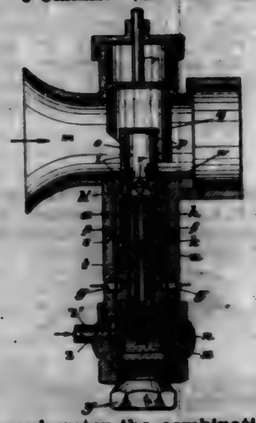
1. An indicator comprising a hollow body having a flat reference surface and a scribing point

at one end of said reference surface; a member movable into and relative to said body, a plane surface for contacting objects to be measured on said moving member, said plane surface being adapted to move in parallel relationship with



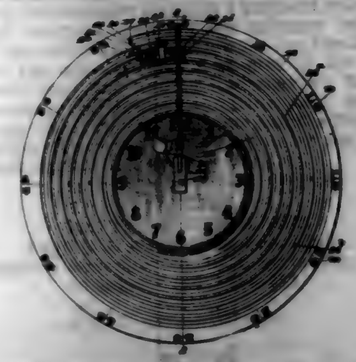
said reference surface, means to amplify the movement and means for indicating the amplified movement of said movable plane surface with regard to said reference surface and said scribing point.

2,029,666
CARBURETOR
Walter Markwart, Chemnitz/Niederwiesa, Germany, assignor to Marklin Apparatebau Gesellschaft mit beschrankter Haftung, Chemnitz, Germany, a corporation of Germany
Application February 9, 1933, Serial No. 656,611
In Germany May 25, 1932
6 Claims. (Cl. 261—62)



1. In a carburetor the combination of an induction channel, a mixture delivery pipe provided with holes opening into the induction channel, an atomizing chamber in connection with the open end of the delivery pipe, a float chamber communicating with the atomizing chamber through a calibrated orifice, an atomizing jet tube adapted to receive fuel from the float chamber through said calibrated orifice and discharging the fuel in said atomizing chamber, an air nozzle pipe disposed concentrically around the jet tube, and a concentric casing surrounding the air nozzle pipe and having openings at its lower end connecting the bottom of the atomizing chamber with the annular space between the casing and the air nozzle pipe, said casing terminating at its upper end in a conical member.

2,029,667
PROGRAM CLOCK
Charles Joseph Maxwell, Dallas, Tex.
Application September 26, 1935, Serial No. 43,054
6 Claims. (Cl. 161—4)



1. In a program clock, a face plate, a driven shaft projecting through the center of the face plate, said face plate provided with a circular groove having its center in the shaft and a spiral groove surrounding the circular groove and leading into the said circular groove, a minute hand fixed to the shaft and having a hinged portion swingable outwardly from the face plate, a carriage slidably received by the hinged portion of the hand and having rollers received by the spiral groove, removable contacts adapted to be placed along the spiral groove, and a swingable contact on the carriage adapted to engage the removable contact for closing a circuit to an alarm.

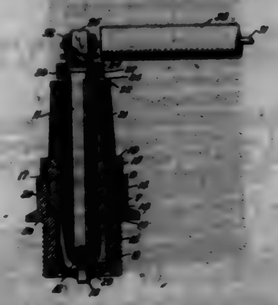
2,029,668
SUCTION NOZZLE OF VACUUM CLEANING APPARATUS
Lionel Frank McCardle, Darwenton Mews, England
Application May 21, 1934, Serial No. 726,452
In Great Britain March 2, 1933
10 Claims. (Cl. 15—158)



1. In a vacuum cleaner a nozzle comprising two telescopically mounted nozzle members, the inner member having a nozzle opening materially smaller than that of said outer member and being normally out of contact with the surface to be cleaned and so arranged that by telescoping said members the nozzle opening of the inner member may be brought into contact with the surface to be cleaned within the area of the nozzle opening of the outer member.

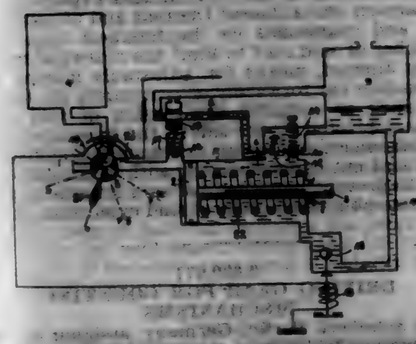
7. Vacuum cleaning apparatus comprising a nozzle member provided with a handle movable with respect thereto, a brush enclosed by said nozzle member, means for supporting said brush including spring means for holding said brush away from the surface to be cleaned, said handle being so connected and arranged with respect to said nozzle member and said brush supporting means that pressure thereon will move said handle with respect to said nozzle member to force said brush into contact with the surface to be cleaned within said nozzle member.

2,029,669
SPARK PLUG
Edward B. Newcomb, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Original application May 1, 1930, Serial No. 449,039. Divided and this application November 5, 1934, Serial No. 751,601
8 Claims. (Cl. 123—169)



1. In a spark plug, the combination of a hollow body interiorly threaded at its upper end, and having an internal shoulder therein, an insulated electrode positioned within said body, a cupped electrode within said body and having a flange engaging said shoulder, a gland threaded into said body and having an inclined bottom portion in engagement with said flange, said gland surrounding said insulated electrode but separated therefrom, an annular groove formed in the interior surface of said gland, and a sleeve of compressible material interposed between said gland and said insulated electrode and resting at its lower end on said inclined bottom portion, said sleeve being forcibly compressed within said gland so as to fill said annular groove, thus forming a gas-tight seal between said electrode and said gland.

2,029,670
BRAKE SYSTEM
Henri Pieper, Brussels, Belgium
Application August 17, 1934, Serial No. 740,332
In Belgium August 24, 1933
18 Claims. (Cl. 303—1)



1. In a brake system, a wheel having a braking surface a brake shoe, a power member for moving the brake shoe into contact with the braking surface, hydraulic means for resisting the application of the brake shoe against the braking surface, and means operable upon movement of the shoe into contact with the braking surface for controlling the hydraulic means to resist further movement of the shoe toward the braking surface and the increase of pressure between the shoe and braking surface.

2,029,671
SEPARATING DEVICE
Marius D. Prince, Los Angeles, Calif.
Application April 13, 1935, Serial No. 16,231
3 Claims. (Cl. 210—51.5)



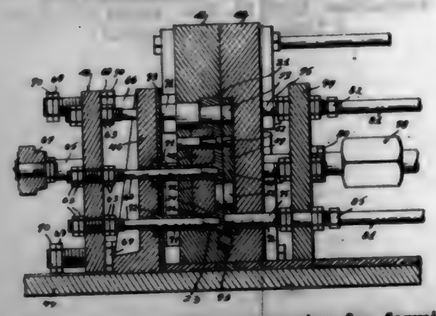
1. A separating device comprising a separating member formed in two leaves hinged together to be swung into alignment with each other or folded one over the other, a pair of levers pivoted at one end to one of said leaves, and a pivot secured in one of said levers and extending through a longitudinal slot in said other lever to permit said levers to be swung together and said separating member to be swung parallel to said levers, or to permit said levers to be swung apart and said separating member to be swung at right angles to one of said levers.

2,029,672
OIL LEVEL GAUGE
Henry Lamar Rankin, Tampa, Fla.
Application May 17, 1934, Serial No. 726,601
10 Claims. (Cl. 73—129)



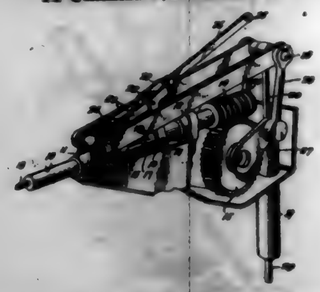
1. In a device of the class described, the combination of a liquid container having an opening therein into one side of which a gauge rod may be freely inserted to measure the content of said container, and a wiper device coacting with the other side of said opening in such a manner that the said rod may be shifted from the first mentioned side to the wiper side into coaction with said wiper device when it is desired to wipe the rod while the latter remains in the opening aforesaid.

2,029,673
PERMANENT MOLDING APPARATUS
Randolph J. Roshirt, Arthur T. Bateman, and Andrew Irvine, Detroit, Mich., assignors to Bohn Aluminum and Brass Corporation, Detroit, Mich., a corporation of Michigan
Application August 15, 1933, Serial No. 685,946
10 Claims. (Cl. 22—136)



1. Permanent molding apparatus for forming a cylinder head casting having a plurality of combustion chambers therein, comprising sections relatively movable toward each other and cooperating in their innermost position to form a permanent mold cavity corresponding in contour to the shape of the casting, means for separating said sections subsequent to the pouring operation, means engaging one outer face of the casting to clamp the opposite face into engagement with the adjacent mold section during separation of the sections, and means other than last named means for subsequently ejecting the casting from the aforesaid section.

2,029,674
WINDMILL
Henry Schlachter, Beatrice, Nebr.
Application February 13, 1935, Serial No. 6,366
11 Claims. (Cl. 170—75)



1. A windmill including a wind wheel and a clutch, said wind wheel having radially pivoted vanes movable outwardly under the action of centrifugal force to change the pitch of said vanes and to automatically engage said clutch at a predetermined speed of rotation of said wind wheel.

2,029,675
WINDOW SHADE
Philip M. Schlamp, Miami, Fla.
Application December 15, 1934, Serial No. 757,696
7 Claims. (Cl. 160—10)

1. A window shade, comprising an elongated body formed of two sheets of material each having a series of open areas, the said areas of one sheet lying in a predetermined relation with the areas of the other sheet, the body being supportable before a window opening, and means between and oscillatable transversely of the sheets



for relatively shifting the sheets of the body whereby the relative positions of the openings are changed.

2,029,676
FOLDING FLEXIBLE ROOF OR CURTAIN
Arthur Grover Schleicher, Allentown, Pa.
Application October 1, 1934, Serial No. 746,429
2 Claims. (Cl. 296—143)



1. In a vehicle having sides, a casing forwardly of the tops of said sides, tracks on the top edges of said sides extending into said casing, a folding roof slidable bodily on said tracks to positions in which it is fully housed within or fully withdrawn from said casing, said roof comprising transverse parallel members slidable relatively toward and from each other, a flexible cover secured to said transverse members determining their maximum range of relative separation, latching means adjacent the rear ends of said sides automatically operable to retain the rear transverse member at the limit of roof expansion, an expansion bar adjacent the rear end of said casing and engageable by the foremost transverse member of said roof to limit the rearward movement thereof, means for adjustably moving the expansion bar forwardly or rearwardly for taking up slack or reducing the tension of said roof, keepers pivoted on one side of the innermost parallel member, and means for moving said keepers into and out of engagement with said expansion bar to prevent movement of said innermost parallel member rearwardly of said expansion bar.

2,029,677
DRIVING GEAR FOR COUNTING MECHANISMS
Paul Schubert, Berlin, Germany, assignor to Allgemeine Elektricitäts-Gesellschaft, Berlin, Germany
Application December 5, 1934, Serial No. 756,123
In Germany December 20, 1933
6 Claims. (Cl. 74—143)

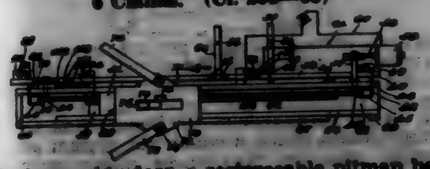
1. A mechanical movement particularly for counting mechanisms, comprising a wheel having one set of teeth of different pitches, a pawl cooperating with the ratchet teeth, and means

for operating the pawl, said teeth of different pitches averaging the amount of lost motion



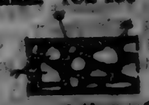
between the ratchet and pawl when the extent of movement of the pawl varies somewhat.

2,029,678
DOOR OPERATING MECHANISM
Joseph W. Scroggs, Norman, Okla.
Application July 18, 1934, Serial No. 735,687
6 Claims. (Cl. 268—63)



1. A movable door, a reciprocable pitman head and connecting means between the door and pitman head, said pitman head having a slot, a reciprocator having a block occupying and being smaller than the slot providing delayed-motion means, a pair of locking bars and means above the pitman head to which they are movably connected in positions diverging from each other, a keeper on the pitman head with the opposite sides of which keeper the respective bars are engageable to lock the pitman head at the substantial end of each of its reciprocations, means to shift the reciprocator, the pick-up of the pitman head being delayed by the idle movement of the block in the slot, and means on the block for moving the locking bars thus releasing the keeper from such engagement during the delay.

2,029,679
INSULATION
Frans William Sevig, Abel Bergqvist, and Karl Erie Olsson, Stockholm, Sweden, assignors to Kooperativa Forbundet Forening u. p. a., Stockholm, Sweden
Application December 22, 1933, Serial No. 703,544
In Sweden June 3, 1933
11 Claims. (Cl. 154—45)



1. An insulation consisting of a material reflecting rays of heat, comprising a plurality of superposed foils having the mechanical character of paper and individually consisting of a transparent mass of material having a low heat conductivity, the said mass forming each foil having particles of material possessing a metallic lustre imbedded within the mass.

2,029,680
ATTACHMENT FOR LISTER PLANTERS
Claude K. Shedd and Edgar V. Collins, Ames, Iowa, dedicated to the free use of the Public
Application December 15, 1934, Serial No. 757,809
5 Claims. (Cl. 111—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. An attachment for a lister planter, comprising a bearing adapted to be secured to the rear portion of the lister planter frame and substantially in rear of a plow of the lister planter and disposed with its axis horizontal and extending transversely of the planter, a shaft journalled in said bearing, a freely swinging arm secured to said shaft and extending substantially rearwardly therefrom, an axle secured to the rear end of said arm and extending parallel to said shaft, a multi-blade rotary scraper journalled upon said axle and having a hub with a plurality of scraper blades extending radially therefrom and adapted to scrape soil from the sides and bottom of a furrow formed by the plow of said planter, a bracket rigidly se-



cured to said arm at an intermediate point thereon and extending substantially upwardly therefrom, a pendant lever pivotally connected to the upper portion of said bracket and depending therefrom, a second shaft rigidly secured to the lower end of said pendant lever and extending parallel to said axle, a hollow roller mounted and rotating freely on said second shaft and suitably secured against endwise movement thereon and adapted to engage a blade of said rotary scraper, and means comprising a trip bar, and a rotating disc driven by said lister planter, for periodically moving said hollow roller forward to intermittently release said rotary scraper.

2,029,681
TURBINE ROTOR CONSTRUCTION
Carl R. Soderberg, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 31, 1934, Serial No. 728,225
5 Claims. (Cl. 253—39)

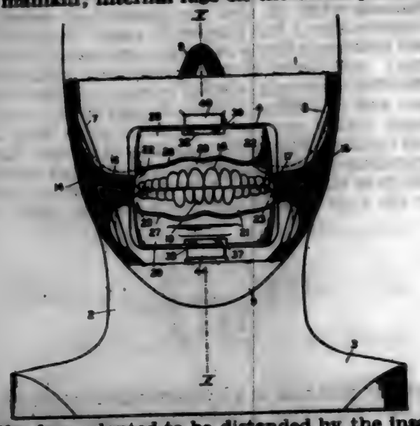


1. In an elastic-fluid turbine, a rotor of the drum type including a blade-carrying body comprised by a single steel forging having an axial bore and being of relatively large radial thickness; said rotor having means for circulating elastic fluid through the bore and said body having internal circumferential grooves opening into the bore; the external surface of the body, the internal surface of the bore and the groove surfaces providing for rapid and substantial uniformity of temperature changes of the body in consequence of exposure thereof to elastic fluid.

2,029,682
DENTAL MANIKIN
Martin O. Squires, San Francisco, Calif.
Application May 12, 1933, Serial No. 670,716
6 Claims. (Cl. 32—71)

1. A hollow dental manikin having elastic portions simulating the mobile mouth and cheek

area of the human face; dentures insertable in the manikin; internal lugs on the cheek portions



of the face adapted to be distended by the insertion of said dentures.

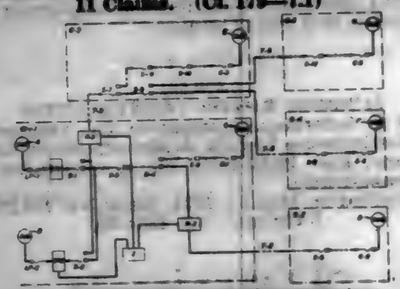
2,029,653

TELEPHONE SYSTEM

Ray L. Stokely, Floral Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 2, 1934, Serial No. 738,263

11 Claims. (Cl. 179—7.1)



1. In a multi-office telephone system, subscribers' lines, means including a charging trunk for extending a calling one of said lines to a called line in the same office, means including said charging trunk and an outgoing trunk for extending said calling line to a called line in another office, a meter for said calling line, means in said charging trunk for operating said meter, timing apparatus associated with said charging trunk for controlling said meter operating means only on local calls, and timing apparatus associated with said outgoing trunk for controlling said meter operating means on interoffice calls.

2,029,654

PROCESS FOR MAKING DOUGH FORMS AND PRODUCT

Guido Tanzi, Brooklyn, N. Y., assignor, by mesne assignments, to B. Filippone & Co. Inc., Passaic, N. J., a corporation of New Jersey

Application March 28, 1933, Serial No. 662,672

5 Claims. (Cl. 107—54)



1. A dough body of arch-like form and having constricted end portions, said body having longitudinal ribs which are spaced from each other, said ribs having depressions intermediate the same, said body having a lateral zone which is free from said depressions.

2,029,685

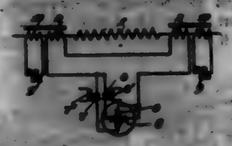
SUPERVISION OF THE DIELECTRIC LOSSES OF A CONDUCTOR

Wilhelm Thal, Nowawes, near Potsdam, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application November 30, 1932, Serial No. 645,011

In Germany December 4, 1931

4 Claims. (Cl. 175—183)



1. In an arrangement for supervising the dielectric losses which a conductor system of substantial capacity experiences under operating voltage, a current transformer located at the beginning of said conductor system, a current transformer of the same characteristics located at the end of said conductor system, the primary windings of said current transformers being connected in series with said conductor system, the transforming ratio of said transformers being so selected that in the event of a perfect insulation of the conductor the currents or voltages induced in the secondaries of said transformers will be equal to each other, a direct current measuring instrument, means for connecting said secondaries with each other in opposition, a separately controlled synchronous switch, means for connecting said secondaries with said instrument by way of said switch in such a way that the difference between the currents or voltages induced in the said secondaries will act on said instrument, and means for controlling said synchronous switch in phase with the operating voltage in the conductor system.

2,029,686

CENTER EXPANDING POCKET

Heinz Wehner, West Bend, Wis., assignor to Amity Leather Products Co., West Bend, Wis., a corporation of Wisconsin

Application March 18, 1935, Serial No. 11,666

2 Claims. (Cl. 150—39)



1. A lady's hang-bag comprising a body including expanding end walls having a plurality of folds, an interior pocket for the body extending longitudinally of the same including a pair of side walls, means securing the side walls at one end between certain folds of one end wall of the body, means securing the inner wall of the pocket at one end between certain folds of the other end wall of the body, and a gusset connecting the adjacent end of the outer wall of the pocket to the last-mentioned end of the inner wall of the pocket.

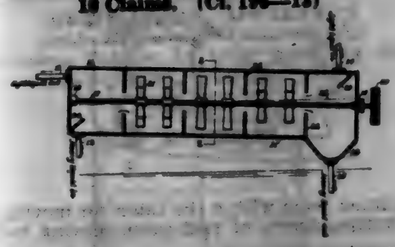
2,029,687

CONTINUOUS PROCESS FOR COUNTER CURRENT CONTACTING OF TWO LIQUIDS

Robert E. Wilson, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 18, 1931, Serial No. 581,927

10 Claims. (Cl. 196—13)



5. A process for the continuous countercurrent contacting of two liquids in a series of zones arranged in an approximately horizontal lineal relationship to each other and comprising two end zones and a plurality of intermediate zones, said process comprising admitting a stream of one of said liquids into one of said end zones, flowing said stream through all of said zones in succession, admitting a stream of the other of said liquids into the end zone opposite said last-mentioned end zone, flowing said stream of said first-mentioned liquid through all of said zones in succession in a direction opposed to the direction of flow of said stream of said second-mentioned liquid and in continuous uninterrupted contact therewith, continuously partially commingling said two streams throughout said intermediate zones as thoroly as possible without producing such thoro emulsification as to interfere with countercurrent flow, separating said partially commingled streams in each of said end zones and separately removing the two resultant liquids from opposite end zones restraining the passage of all but the most thoroly commingled portions of said two streams from passing from zone to zone.

2,029,688

PROCESS AND APPARATUS FOR CONTACTING TWO MATERIALS

Robert E. Wilson, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 8, 1933, Serial No. 645,533

6 Claims. (Cl. 196—13)



3. In apparatus for the countercurrent contacting of two liquids, a generally horizontal elongated chamber, a series of transverse baffles provided with openings at their tops and bottoms, said baffles partially dividing said chamber into two end compartments and a plurality of intermediate compartments, said passages which permit liquid strata at the top and bottom of said chamber to flow from one of said compartments to the next, a second series of transverse baffles, the members thereof located between the members of said first mentioned series of baffles and extending upward from the bottom of said chamber and downward from the top of said chamber, agitation means located within and confined to said intermediate compartments, means for introducing one of said two liquids into one of said end compartments, means for introducing the other of said two liquids into the other of said end compartments and means for withdrawing a resultant liquid from each of said end compartments.

5. In apparatus for the counter-current contacting of two liquids, a generally horizontal elongated chamber, a series of transverse baffles provided with openings at their tops and bottoms, said baffles dividing said chamber into two end compartments and at least three intermediate compartments, said compartments communicating with each other through said passages which permit liquid strata at the top and bottom of said chamber to flow from each of said compartments to the next adjacent compartment, a series of baffles extending upward from the bottom of said chamber and downward from the top of said chamber, the members of said last-mentioned series of baffles located between the members of said first-mentioned series of baffles, rotary agitation means located within and confined to said intermediate compartments, means for selectively adjusting the rate of rotation of said agitation means, means for introducing one of said two liquids into one of said end compartments, means for introducing the other of said two liquids into the other of said end compartments, and means for withdrawing a resultant liquid from each of said two end compartments.

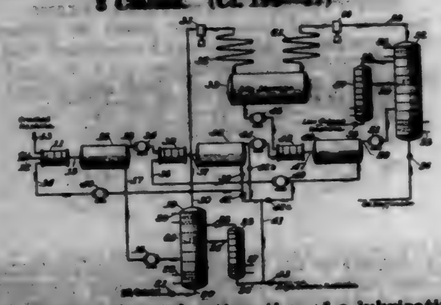
2,029,689

SOLVENT FRACTIONATION

George L. Parkhurst, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application April 29, 1933, Serial No. 668,583

8 Claims. (Cl. 196—37)



1. In the solvent fractionation of a lubricating oil stock the steps which comprise mixing said stock with a substantial amount of liquid sulfur dioxide and a substantial amount of a vapor phase cracked naphtha containing at least 25% olefins and separately recovering an extract fraction and a raffinate fraction.

2,029,690

PROCESS AND APPARATUS FOR CONTACTING TWO LIQUIDS

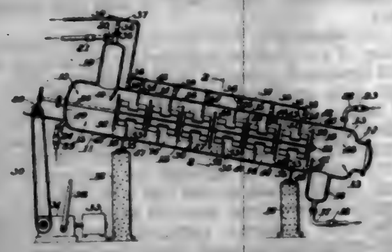
Robert E. Wilson, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application July 10, 1933, Serial No. 679,660

11 Claims. (Cl. 196—45)

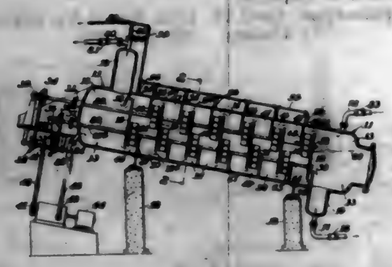
7. A process for contacting a liquid with a second liquid not completely miscible with said

first-mentioned liquid and having a specific gravity substantially different from that of said first-mentioned liquid, which comprises flowing said first-mentioned liquid in succession through a vigorous agitation zone and a relatively quiescent zone while in contact with said second liquid and simultaneously flowing said second liquid in a direction opposed to the direction of flow of said



first-mentioned liquid in succession through a second vigorous agitation zone while in unrestricted contact with said first-mentioned liquid in said first-mentioned relatively quiescent zone and then through a second relatively quiescent zone while in unrestricted contact with said first-mentioned liquid in said first-mentioned vigorous agitation zone.

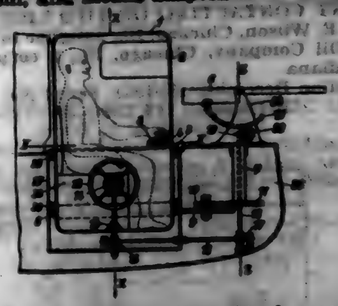
2,029,691
COUNTERCURRENT CONTACTOR
Jack Robinson, Wood River, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 12, 1933, Serial No. 684,854
9 Claims. (Cl. 196—46)



1. Apparatus for the countercurrent contacting of two fluids, comprising a generally horizontal casing, a plurality of baffles partially dividing said casing into a plurality of compartments, and independent agitation means located in and confined to diagonally disposed portions of said compartments.

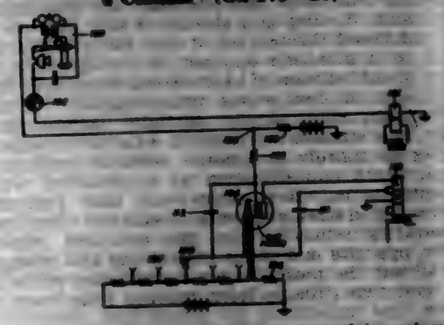
2,029,692
FIREARM EQUIPMENT FOR AIRCRAFT
Ernst Zindel, Dessau, Germany
Application February 23, 1933, Serial No. 658,164
In Germany February 20, 1932
10 Claims. (Cl. 89—37)

1. A fire-arm equipment for aircraft comprising an air-tight cabin movable relative to the craft for the accommodation of a gunner, a fire arm arranged outside said cabin, means adapted to be actuated by the gunner from within the cabin for moving the cabin, means operatively connected to said cabin-moving means for moving the gun in conformity with the movement of the cabin, and means adapted to be actuated by



the gunner from within the cabin for moving the gun independently of said cabin-moving means.

1,823,851
TELEPHONE SYSTEM
Lynn T. Anderson, East Orange, N. J., and Frank K. Low, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 7, 1934, Serial No. 743,963
6 Claims. (Cl. 179—16)



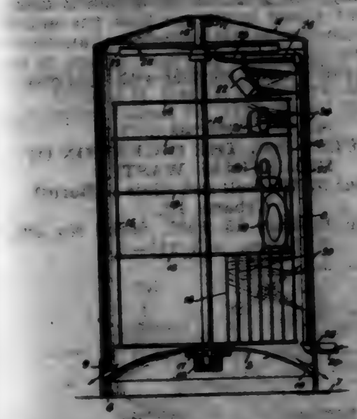
1. In a signaling system, an impulsing circuit, means for closing said circuit, a gaseous conductor tube having a control electrode, a cathode and an anode, said control electrode being connected to said impulsing circuit and normally negatively biased when said circuit is open to a potential below the ionization potential of said tube, a relay having two windings serially included in the cathode-anode circuit of said tube, a condenser connected between the cathode and a point between said windings and means operative upon the closure of said impulsing circuit for changing the potential on said control electrode whereby said tube intermittently ionizes and deionizes under the control of said condenser to operate and hold said relay operated.

1,823,854
ESTERIFICATION PROCESS
William J. Bannister, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application July 29, 1934, Serial No. 737,536
5 Claims. (Cl. 260—105)

1. In a process for the production of an aliphatic ester of a carboxylic acid, the said ester having a boiling point in excess of 120° C. but not substantially less than 50° C. below the boiling point of the said acid, the step which comprises introducing the esterifying alcohol into the acid

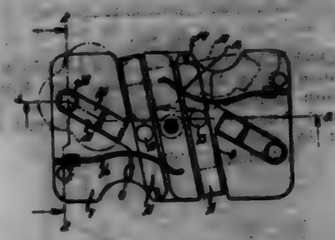
to be esterified, at a temperature ranging from approximately the boiling point of the formed ester to approximately 20° C. below said boiling point, and removing the resulting vapors of the formed ester, water, and excess alcohol.

2,029,695
DISHWASHING APPARATUS
Guido E. Barozzi, Woodcliff, N. J.
Application October 27, 1933, Serial No. 695,476
9 Claims. (Cl. 141—9)



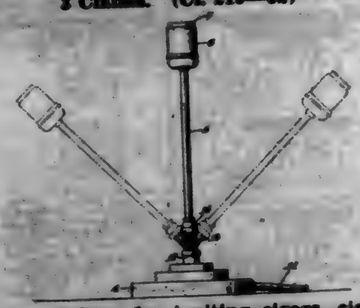
1. In a dishwashing apparatus, that improvement which comprises a bottom member sloping downwardly and outwardly from its center toward its periphery, and a hollow upright enclosing shell corresponding in cross-sectional form to the shape of said bottom member and supported on said bottom member in coterminous relation thereto and at a distance therefrom to provide an exit opening at the periphery of said sloping bottom member for the escape of water waste.

2,029,696
KEY HOLDER
John M. Bennett, Detroit, Mich.
Application January 2, 1934, Serial No. 704,864
3 Claims. (Cl. 70—96)



1. In a key holder of the class described a supporting body; a pair of side plates each mounted in spaced relation to one of the side faces of said supporting body, said supporting body having an opening formed therein; a resilient member mounted, adjacent one end, on said supporting body and extended to overlie, at its opposite end, said opening and having at said opening a head for providing a support for mounting a key swingably between said supporting body and said plates and projectable at the head bearing end into said opening for permitting the movement of said head to inoperative position.

2,029,697
LIGHTER
Louis H. Best, Galva, Ill., assignor to John H. Best & Sons, Inc., Galva, Ill., a corporation of Illinois
Application August 24, 1934, Serial No. 741,299
3 Claims. (Cl. 219—32)



1. In a lighter for igniting cigars, cigarettes and the like and adapted to be mounted on a counter or the like and including a heating element freely movable in any direction from a normal position to facilitate ignition of a cigar, cigarette or the like, a base sufficiently weighted to retain its position on the counter or the like when the heating element is moved from its normal position, a standard for the heating element, and a spring interposed between the lower part of the standard and the top of the base and connecting the standard to the base and urging the heating element into its normal position, the opposite ends of said spring being embedded in said base and said standard and encased therein whereby said end portions of said spring are retained against displacement upon flexing of said spring when said heating element is moved from its normal position.

2,029,698
WAVE TRANSMISSION NETWORK
Hendrik W. Bode, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 28, 1933, Serial No. 668,313
13 Claims. (Cl. 178—44)

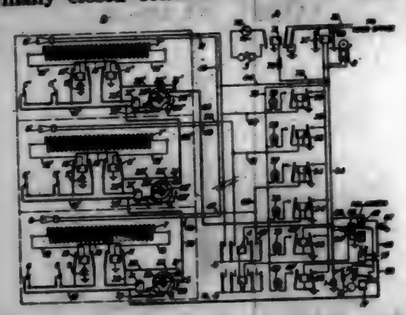


1. A wave transmission network comprising two equal ladder-type sections and a bridged-type central portion connected in series therebetween, the impedance branches of said central portion being primarily reactances, said ladder sections being symmetrically located with respect to said central portion, and said ladder sections and said central portion cooperating to provide a network having the same transmission characteristics as a given lattice-type network.

2,029,699
ALARM SYSTEM
Langford J. Bowne, Howard Beach, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 29, 1933, Serial No. 691,513
3 Claims. (Cl. 175—330)

1. The combination of a relay, a normally closed circuit for said relay, said relay being re-

sponsive to breaks of varying lengths of time in said closed circuit, said relay having normally closed contacts, a second relay normally energized over the normally closed contacts of said first relay, a circuit for said second relay including the normally closed contacts of said first relay, a



second circuit for said second relay, means in said second circuit to hold said second relay operated for a predetermined time interval after said first relay releases the normally closed contacts of said first relay, and a contact released by said second relay at the end of the predetermined time interval.

2,029,700
INCLINATION RESPONSIVE DEVICE FOR AIRCRAFT

Johann Maria Boykow, Berlin-Lichterfelde-West, Germany, assignor to Deutsche Luftfahrt- und Handels-Aktien-Gesellschaft, Berlin, Germany, a corporation of Germany

Application October 11, 1933, Serial No. 637,347
In Germany October 14, 1931
9 Claims. (Cl. 73—2)



1. In a device of the character described, the combination of two cylindrical nozzle members of stream-line cross section arranged on the exterior of an aircraft and extending lengthwise thereof, the longitudinal symmetry plane of one of said members being parallel to the plane determined by the longitudinal and the upright axes of the aircraft, the longitudinal symmetry plane of the other nozzle member being parallel to the plane determined by the longitudinal and the transverse axes of the aircraft, two nozzles located on the first-mentioned nozzle member at equal distances from its front edge, two nozzles located on the other nozzle member at equal distances from its front edge, two differential pressure-gauges, conduits connecting each of said gauges with the two nozzles of the respective nozzle member, and a device, controlled by both of said pressure-gauges, for indicating the horizontal and the vertical transverse components of the relative wind.

2,029,701
SOAP PULVERIZER AND DISPENSER

Arthur K. Burditt, Roselle Park, N. J.

Application August 26, 1933, Serial No. 686,399
3 Claims. (Cl. 146—61)

1. A soap dispenser combining a casing; a support therefor; a manually rotatable shaft journaled in said casing; a plurality of cutting disks of substantially uniform diameter secured to said shaft, each of said disks having a continuous serrated periphery with portions thereof deflected laterally to opposite sides of the normal plane of the disk, said disks being so arranged on said

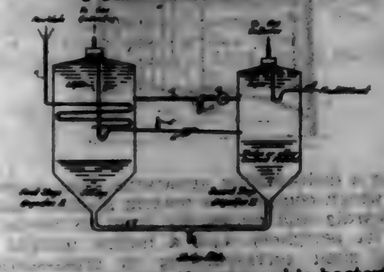


shaft that the path of a deflected portion of one disk overlaps the path of an adjacent disk and at different phase angles so that the action of one disk counteracts the tendency of another disk to shift the soap laterally; and means to maintain a cake of soap in contact with said disks.

2,029,702
PROCESS FOR THE DIGESTION OF INDUSTRIAL WASTES

Arthur M. Buswell and Clair S. Boruff, Urbana, Ill.

Application January 23, 1932, Serial No. 588,490
3 Claims. (Cl. 210—2)

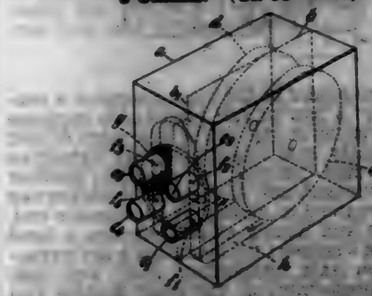


1. In a process for the anaerobic bacterial digestion of fermentable liquid organic wastes having a non-settleable solid content substantially in excess of three parts by weight per thousand parts of total liquid waste by the action of methane-producing bacteria at hydrogen ion concentrations suitable for the methane-producing activity of said bacteria, the improvement which comprises maintaining the total free and combined volatile organic acid content of the liquid undergoing treatment below three parts by weight calculated as acetic acid per thousand parts by weight of said liquid.

2,029,703
CINEMATOGRAPH APPARATUS

Benjamin Elias Lubeschez, Harrow, England

Application August 14, 1933, Serial No. 685,128.
Renewed August 14, 1935. In Great Britain August 16, 1932
3 Claims. (Cl. 88—16.6)



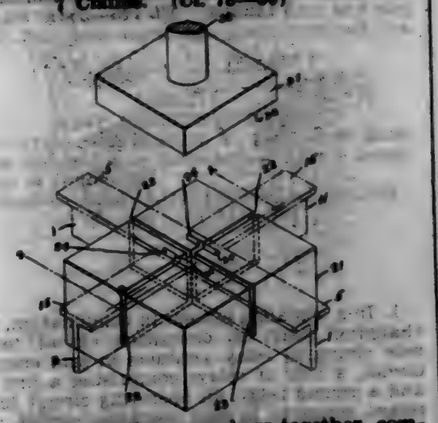
1. Cinematograph apparatus comprising in combination a casing, four lenses with substan-

tially parallel axes lying substantially at the corners of a rectangle on one wall of said casing, a rotary sector shutter associated with the said lenses and adapted for covering and uncovering the lenses in succession, an aligned film track associated with two of the lenses at adjacent corners of the said rectangle, another aligned film track associated with the other two lenses, means for passing the film along one of said tracks, turning the film through substantially 180° and then along the other of said tracks, and film operating mechanism for moving in succession that part of the film associated with each lens.

2,029,704
SWAGING AND ALIGNMENT DIE

Samuel B. Dallas, Baltimore, Md.

Application August 27, 1934, Serial No. 741,704
7 Claims. (Cl. 78—99)

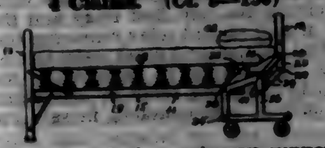


1. A die for jointing cross-bars together, comprising a die block having a plurality of cross-cut recesses therein to receive and take T-bars to be joined together, swaging pyramids provided on the surface plane of the block above and adjacent to the walls of said slots and disposed to make digging contact into the flanges of the T-bars to be jointed, and means for swaging for the die block.

2,029,705
FOLDING BED

Josiah A. Dewey, Oakland, Calif., assignor of one-half to Archie H. Upton and one-half to Ida M. Upton, both of Stinson Beach, Calif.

Application September 25, 1931, Serial No. 565,126
Renewed October 14, 1933
4 Claims. (Cl. 5—156)



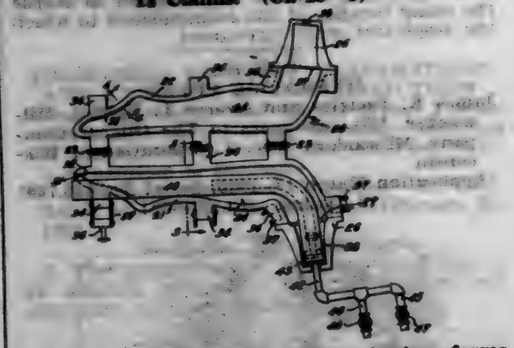
1. In a folding bed, a primary support, a bed bottom having planar and cooperative sections hingedly connected at mutually opposed extremities thereof, means pivotally mounting a said section on said support for swinging to an upended position about an axis intermediate thereof and parallel to the axis of hinging of the sections, the plane of said axes being angularly related to that of the latter said section, and link means pivotally mounting the other said section on said support whereby this section is arranged to be and remain horizontal during the said swinging of the first section.

2,029,706
METHOD AND APPARATUS FOR MAKING HOSIERY FORMS

William J. De Witt, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York

Original application February 28, 1933, Serial No. 658,988. Divided and this application March 1, 1935, Serial No. 8,345

13 Claims. (Cl. 18—3)



6. In an apparatus for making hosiery forms from a tube, a mold in which the tube is expanded into the hosiery form, said mold comprising two movable sections by which the mold is opened or closed each section containing a depression the walls of which determine the outer contour of the form, one of said sections having in the wall thereof a recess through which the end of the tube to be treated extends, the wall of the other section acting when the mold is closed to clamp the portion of the tube in the recess and close the tube, tongues projecting into the depressions from the section walls at the recess portion of the mold and means for introducing fluid pressure into the tube to expand the same.

2,029,707
SUPPORTING BRACKET FOR FIRE EXTINGUISHERS

Fred Albert Dedelin, Glen Ridge, N. J., assignor to Pyrene Manufacturing Company, Newark, N. J., a corporation of Delaware

Application May 4, 1934, Serial No. 723,828
1 Claim. (Cl. 248—313)



A supporting bracket for use with various fire extinguishers of the hand pump type having bottom ends of different shapes, comprising a frame member adapted to be mounted in a supported

position, a bottom-supporting member extending outwardly from said frame member and including a perforated conical bottom formed with a plurality of concentric seats of different curvatures adapted to receive said differently shaped bottom ends and hold them against lateral displacement, and a handle-locking arm fixed on said frame-member and provided with stepped portions located at different levels with relation to said bottom-supporting member and adapted to overlie the pump handles of the extinguishers to which the respective seats correspond.

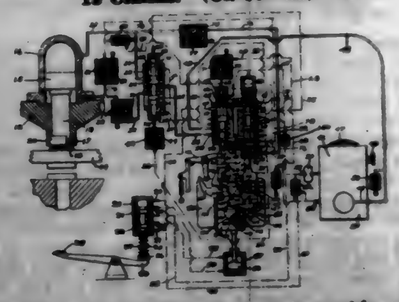
2,029,706

HYDRAULIC PRESS

James K. Douglas and George L. Holden, Milwaukee, Wis., assignors to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin

Application March 14, 1930, Serial No. 435,750

13 Claims. (Cl. 60—53)



10. The combination of a reciprocable member, a pump fed hydraulic circuit for operating the same, an auxiliary pump, a reversing valve in said circuit actuated by pressure generated by said auxiliary pump, and a pilot valve automatically operable in response to predetermined pressures in said circuit for controlling said reversing valve to cause the same to effect reciprocation of said member.

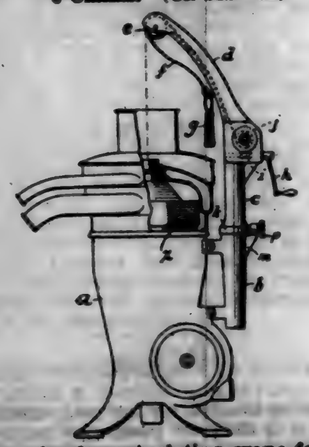
2,029,709

BOWL-MANIPULATING CRANE FOR CENTRIFUGAL MACHINES

Eugene T. Field, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application May 16, 1933, Serial No. 671,296

6 Claims. (Cl. 212—61)



1. In a bowl manipulating crane for centrifugal machines, the combination of a frame comprising a crane-supporting socket, a crane turnable in said socket and comprising an arm adapted to be swung into position to bring its upper end into a definite overhanging central position relative to the frame, locking members respectively carried by the frame and turnable with the crane and adapted, when the crane is swung into said definite central position, to positively interlock, and means other than said locking members to frictionally lock the crane when it is swung into other positions.

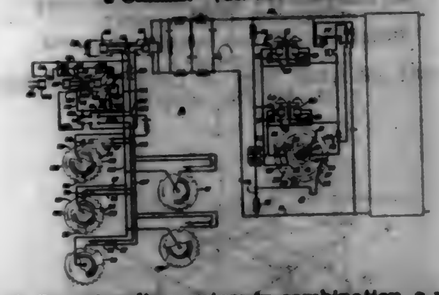
2,029,710

SELECTIVE SIGNALING SYSTEM

Joseph C. Field, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 23, 1934, Serial No. 721,368

3 Claims. (Cl. 175—353)



1. In a signaling system in combination, a pole changing relay, an energizing circuit for said pole changing relay, contacts in said energizing circuit, a pair of relays comprising a first relay and a second relay, an operating circuit for said relays, contacts, in said operating circuit, means to close said contacts in said operating circuit, said first relay operating to close the contacts in said energizing circuit, a second set of contacts closed by said first relay, said second set of contacts completing a locking circuit for said first relay and closing the operating circuit for energization of said second relay, a shunt around said second relay, said shunt being normally open at said contacts in said operating circuit, make-before-break contacts controlled by said second relay, the break contacts being in said shunt, and make-before-break contacts in the second set of contacts controlled by said first relay, the make contacts being in the locking circuit for said first relay and preparing the operating circuit for energization of said second relay, the make contacts of said second relay completing a shunt circuit for said first relay and the break contacts of said second relay removing the short-circuit from said second relay, said pair of relays operating in sequence to control the operation of said pole changing relay in accordance with closures only of said contacts in said operating circuit.

2,029,711

DOOR CHECK

Paul E. Frantz, Cleveland, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application February 1, 1932, Serial No. 588,634

2 Claims. (Cl. 16—56)

2. In a device of the character described, the combination with a door supporting hinge and screw means for securing said hinge to a supporting structure, of a block of soft, yielding, elastic material detachably carried by the head of said screw means in position to be pinched between the hinge and a part of the door located near the axis thereof when the door is swung to its open position, whereby the said block opposes the



movement of the door over an appreciable distance and thus gradually brings the door to a stop after it has been opened a predetermined distance.

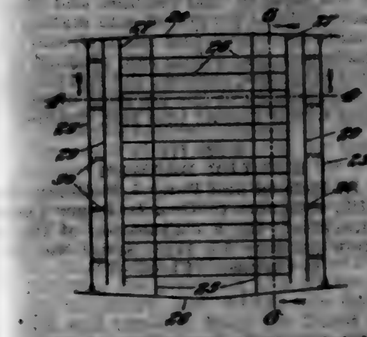
2,029,712

SHIP CONSTRUCTION

Hugo P. Frear, New York, N. Y., assignor to Bethlehem Shipbuilding Corporation, Ltd., a corporation of Delaware

Application June 19, 1934, Serial No. 731,239

11 Claims. (Cl. 114—79)



1. In a ship structure, a load sustaining wall, boundary walls normal to said load sustaining wall, spaced girders supported by and attached to two oppositely disposed of said boundary walls and attached to said load sustaining wall, spaced stiffening beams continuous through supported by and attached to said girders and attached to said load sustaining wall, the ends of said stiffening beams jutting beyond said girders respectively and terminating short of the two remaining of said boundary walls respectively, stiffening members attached to said load sustaining wall parallel to said girders and in close proximity to and supported by the ends of the said stiffening beams respectively, and other stiffening members attached to said load sustaining wall parallel to said girders and parallel to and directly supported by the said two remaining of said boundary walls respectively.

2,029,713

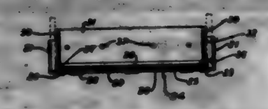
FLOOR

Clarence A. Hach, Long Island, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 12, 1934, Serial No. 720,261

12 Claims. (Cl. 20—2.5)

1. In a floor unit, a horse shoe shaped frame, a multiperforate metal reinforcing member attached thereto, and plastic material molded on



the member and in the interstices thereof and serving to space the ends of the frame rigidly.

2,029,714

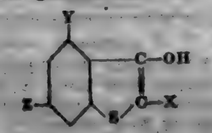
THIOINDIGO DYESTUFF PREPARATIONS AND A PROCESS OF PREPARING THEM

Alfred Hagenbücker and Rudolf Brune, Frankfort-on-the-Main-Hoechst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 17, 1931, Serial No. 516,506. In Germany February 22, 1930

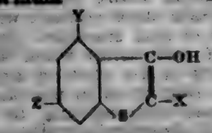
10 Claims. (Cl. 260—53)

7. The process which comprises oxidizing in an alkaline medium a hydroxythionaphthene compound of the general formula



wherein X means hydrogen or carboxyl, Y hydrogen or methyl, Z chlorine or ethoxy, to the corresponding thioindigo dyestuff in the presence of a quantity of a compound of the group consisting of a salt, an oxide and a hydroxide of a metal of the group consisting of iron, nickel, copper, chromium and aluminium, amounting to less than one molecular proportion for each molecular proportion of dyestuff to be obtained by the oxidation.

9. The dyestuff preparations substantially identical with the products obtainable by the process which comprises oxidising in an alkaline medium a hydroxythionaphthene compound of the general formula



wherein X means hydrogen or carboxyl, Y hydrogen or methyl, Z chlorine or ethoxy, to the corresponding thioindigo dyestuff in the presence of a quantity of a compound of the group consisting of a salt, an oxide and a hydroxide of a metal of the group consisting of iron, nickel, copper, chromium and aluminium, amounting to less than one molecular proportion for each molecular proportion of dyestuff to be obtained by the oxidation.

2,029,715

CONTROL MECHANISM FOR GARMENT PRESSING MACHINES

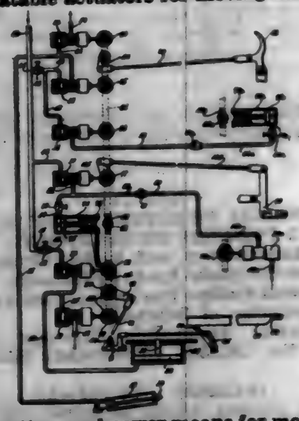
Angus F. Hanney, Norwood, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio

Application August 5, 1933, Serial No. 683,815

11 Claims. (Cl. 45—6)

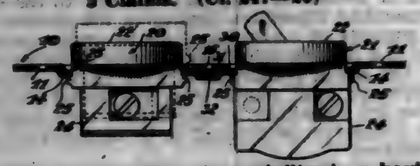
1. In a press of the class described, the combination of a head, a bed having translatory and reciprocatory movement toward and from the head, a fluid motor for causing each movement, inlet and outlet valves for controlling the flow

and exhaust of fluid pressure to and from each motor, rotatable actuators for moving said valves



in one direction, and power means for moving said valves in the opposite direction.

2,029,716
ELECTRIC FITTING
Povl D. Hartmann, New York, N. Y., assignor to Beaver Manufacturing Company, Newark, N. J., a corporation of New Jersey
Application June 1, 1933, Serial No. 673,806
5 Claims. (Cl. 247—20)



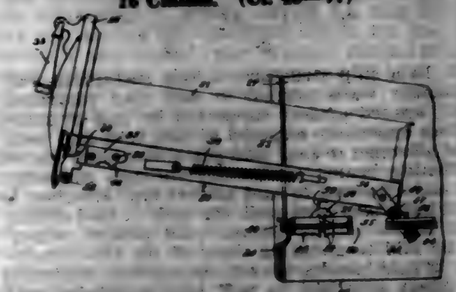
1. The combination of a metallic strap having an opening therein, an electric fitting casing having external stop members adjacent the top thereof and having external shoulders below said stops, said casing being passed through said opening until said stops contact with the top of the strap, one of said shoulders engaging under the bottom of said strap when said casing is shifted laterally in the opening, and a plate secured beneath said strap in position to decrease the size of said opening and to engage over another of said shoulders on said casing, whereby said casing is substantially locked against movement in the opening.

2,029,717
BEARING
John O. Heinze, Detroit, Mich., assignor, by direct and mesne assignments, to Heinze Development Company, a corporation of Michigan
Application November 2, 1932, Serial No. 696,261
1 Claim. (Cl. 308—203)

An anti-friction bearing for interposition between a journal and a supporting structure provided with an inwardly open channel, said bearing comprising a series of wheels to roll in contact with said journal and having axial pintles extending from opposite sides thereof, an annular cage comprising mating inner members meeting at their peripheries over and spaced from the outer sides of the peripheries of said series of wheels and offset laterally to form annular shoulders with the portion of said cage outwardly of said shoulders projecting into said open channel of said supporting structure and formed at their inner edges with annular tracks at opposite sides of and extending toward said wheels and against which tracks said pintles travel, outer annular side plates engaging the outer sides of said mating inner members and with their inner peripheral edges adjacent the surface of said journal and each formed with an annular shoulder to engage over said annular shoulders on the mating inner members of said cage and with outwardly projecting peripheral portions to project into said channel of the supporting structure between the sides of said channel and the sides of the said annular portion of said mating members of said cage within said channel, and a layer of yieldable material within said channel of said supporting structure between the surfaces thereof and the surfaces of the portions of said cage and plates which project into said channel.



2,029,718
BROILER DRAWER
Stanley H. Holmes and Peter L. Hellman, Rockford, Ill., assignors to Gen. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application January 13, 1933, Serial No. 651,234
16 Claims. (Cl. 45—77)



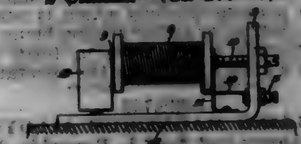
1. In a drawer structure, a drawer disposed in a drawer compartment, roller means forwardly located in said compartment and adapted to have the drawer rest thereon for movement into and out of the compartment, a track disposed lengthwise of the compartment in the same horizontal plane with the roller means and terminating behind and in spaced relation to the aforesaid roller means, and roller means rearwardly located on the drawer and movable vertically through the space in front of the track so as to be operable along the top and bottom of the track, whereby to support the drawer in any operative position with respect to the compartment, said roller means being adapted to run off the front end of the track when the drawer is moved forwardly to a certain position, whereby to permit removal of the drawer from the compartment.

2,029,719
DISPLAY DEVICE
Charles W. Hostock, Flushing, N. Y.
Application May 9, 1935, Serial No. 20,547
5 Claims. (Cl. 40—125)



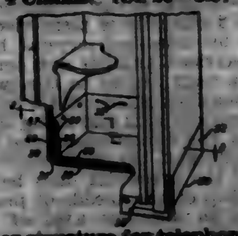
5. In a display device, a base, a sheet of transparent plastic material secured thereto with coloring material interposed between said sheet and base to constitute a background, and display characters penetrating into the outer surface of said sheet to an extent less than perforation so as to be embedded in said sheet.

2,029,720
AUDIBLE ELECTRIC SIGNAL
Carl Ignell, Chicago, Ill.
Application July 9, 1934, Serial No. 734,221
9 Claims. (Cl. 177—7)



1. In an electric signal for use with alternating current, a one-piece frame including substantially right angularly extending parts, an armature, a resilient support secured at one end to said frame and at its other end to one end of the armature, a striker secured to the other end of the armature and extending toward the supporting frame, a coil supported on said armature and retained in position thereon by the support and the striker, the flow of alternating current through said coil alternately magnetizing and demagnetizing the armature and striker whereby the coil, armature and striker are alternately attracted and repelled from the frame to cause the striker to strike and disengage said frame and thereby produce a loud sound, and adjusting means carried by the other part of said frame and engageable with the supported end of said armature to limit movement of the striker away from said frame.

2,029,721
FLOOR
Arthur M. Isaacson, Flushing, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 13, 1934, Serial No. 720,381
4 Claims. (Cl. 20—2.5)

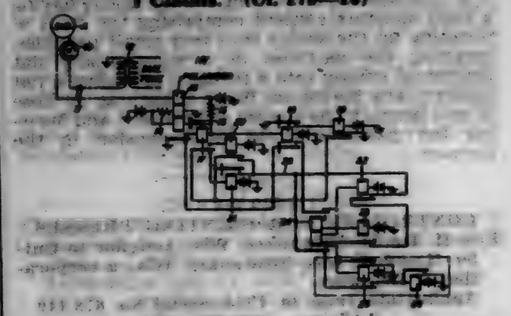


1. In a floor structure for telephone booths and the like, a unitary U-shaped frame, and a floor member of plywood supported thereon at the edge portions only of the floor member.

2,029,722
METHOD OF REFINING FATS AND OILS
Vernon Jersey, Cleveland, Ohio, assignor to S. M. A. Corporation, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 7, 1933, Serial No. 674,777
5 Claims. (Cl. 87—12)

1. The method of refining edible oils that are liquid at ordinary temperatures and which contain appreciable amounts of carotene and a substantial amount but not more than approximately 10% of free fatty acids which comprises adding an aqueous solution of an alkaline material to the oil in the presence of air at substantially normal atmospheric pressure in an amount approximately just sufficient to combine with the free fatty acids present, slowly stirring the mixture to avoid inclusion of air, maintaining the temperature at about that of normal room temperature until neutralization is complete, warming the mixture to a temperature not greater than 60° C., allowing the mass to stratify and separating the refined product.

2,029,723
SIGNALING SYSTEM
Lewis H. Johnson, Madison, N. J., and Frank K. Low, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 27, 1935, Serial No. 18,508
7 Claims. (Cl. 179—16)



1. In a signaling system, a line, a signal sender, a signal receiving relay, a circuit including said line and sender and one winding of said signal receiving relay, a signal register, an auxiliary signal relay, a slow-to-release relay for operatively connecting the contacts of said signal receiving relay with said register, the auxiliary signal relay and slow-to-release relay being directly controlled by said signal receiving relay, a condenser, and a circuit closed by said signal receiving relay for holding said relay operated for a short interval of time, said holding circuit comprising a second winding of said signal receiving relay, said condenser and the winding of said auxiliary signal relay.

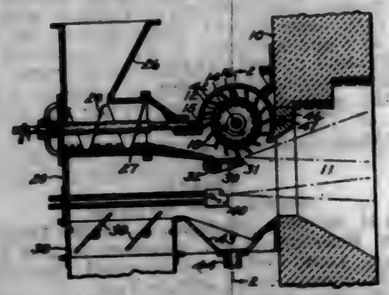
2,029,724
NITRIDED STEEL AND A PROCESS FOR ITS PRODUCTION
Wilhelm Kroll, Luxemburg, Luxemburg
No Drawing. Application January 6, 1934, Serial No. 705,973. In Germany January 16, 1930
14 Claims. (Cl. 148—16)

1. As a new article of manufacture, a steel having a nitrided surface layer and containing from .1 to 5% of beryllium, the principal portion of the remainder being iron.

7. The process of improving the hardness of steel containing from .1 to 5% of beryllium, the

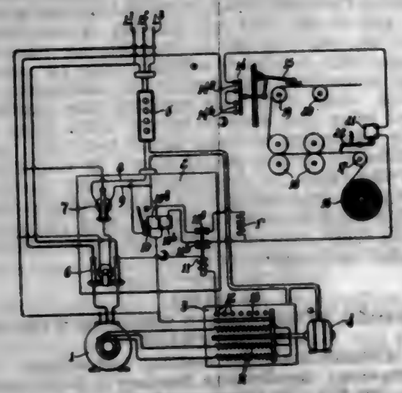
principal portion of the remainder being iron, which process consists in chilling the steel from a temperature above that of aging and subsequently nitriding it superficially while heating it to a temperature of from 400 to 600° C.

2,029,725
METHOD AND APPARATUS FOR BURNING SEWAGE SLUDGE
Max H. Kuhner, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application March 24, 1933, Serial No. 662,570
9 Claims. (Cl. 110—8)



1. The method of burning sewage sludge having a high moisture content comprising the steps of breaking up the sludge into very small particles, spraying the particles in a substantially flat horizontal stream into a furnace, providing a flat substantially horizontal flame of burning oil close to and beneath the stream of particles, and burning the particles while in suspension in the furnace.

2,029,726
CONTROLLER FOR PRINTING PRESSES
Erle H. Laabs, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application June 30, 1933, Serial No. 678,449
6 Claims. (Cl. 164—43)

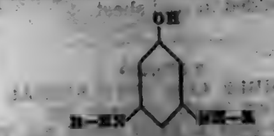


1. In a printing press controller, in combination, stopping means, web severing means, each of said means having a control winding, a supply circuit for said windings including the latter in a series relation and a control switch for said circuit operable automatically upon web breakage.

2,029,727
SYMMETRICAL DI-(ARYLAMINO)-HYDROXYBENZENES AND A PROCESS OF PREPARING THEM
Leopold Lazio and Oskar Haller, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 25, 1932, Serial No. 629,852. In Germany September 3, 1932
8 Claims. (Cl. 260—126)

1. The process which comprises heating in aqueous solution phloroglucine with alkali metal bisulfites and non-nitrated aryiamines of the benzene and naphthalene series in the proportion of about two mols of aryiamine to one mol. of phloroglucine.

5. The compounds of the following general formula



wherein R represents a radical of the naphthalene series or a benzene nucleus which is substituted by halogen, alkoxy or amino groups, being crystallized compounds which have in form of their alkali salts a good affinity for the vegetable fiber.

2,029,728
ROLLING MAGNESIUM ALLOYS
Robert D. Lowry and Fred L. Reynolds, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 12, 1934, Serial No. 710,837
4 Claims. (Cl. 148—11.5)

3. In a method of improving the ductility of a relatively non-ductile annealed rolled magnesium base alloy product, the steps which consist in alternately bending and straightening the product at a temperature between 40° and 275° F., so as to stress the metal without substantially changing its thickness, and thereafter annealing the same.

2,029,729
PIEZOELECTRIC QUARTZ CRYSTAL
René Lucas, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, Paris, France, a corporation of France
Application December 4, 1933, Serial No. 700,554
In France December 3, 1932
2 Claims. (Cl. 171—327)



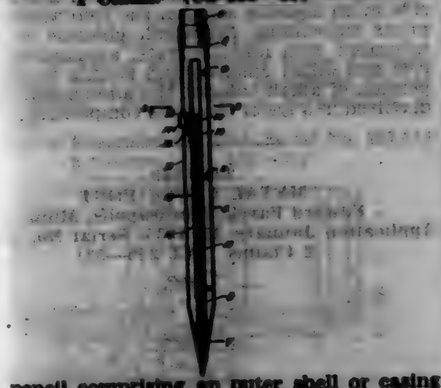
2. A piezo-electric device comprising a mosaic consisting of a plurality of piezo-electric crystals ranged side by side each crystal having three axes, one electrical, another axis ternary, and a third axis at right angles to the two preceding axes, the dimensions of the crystal being the same along the electrical axis and along the said third axis, whereas the dimension in the ternary axis is slightly different, the ratio between this dimension and the preceding ones being equal to the relationship of the speeds of propagation of elastic waves in different axes of the crystal, the latter thus presenting the same fundamental frequency of vibration in the three axes and electrodes extending along the surface of said mosaic.

2,029,730
COMBINED RECORDER AND REPRODUCER
Rudolph F. Mallina, Little Neck, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 15, 1932, Serial No. 593,332
11 Claims. (Cl. 179—100.1)



1. Means for ascertaining the character of sound recorded in a delicate medium comprising a plurality of media including a delicate medium and a rugged medium, means for impressing both types of media with the same sound, and means for reproducing the sound from the rugged medium.

2,029,731
SELF-FEEDING PENCIL
Theodore H. Maurer, Richmond Hill, N. Y.
Application July 12, 1934, Serial No. 734,849
1 Claim. (Cl. 120—19)



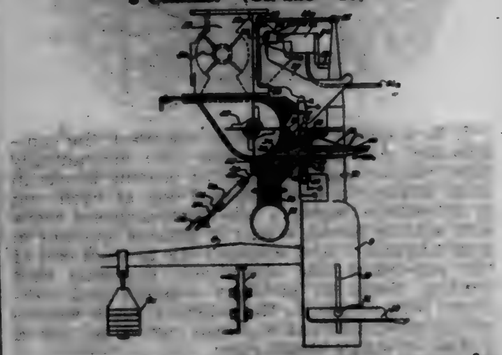
A pencil comprising an outer shell or casing, a barrel within said casing for containing a writing lead, said casing and said barrel having registering slots lengthwise thereof, a cap adapted to be placed over the top of the writing lead and having, at its lower end, prongs adapted to grip the lead, a lug secured to the cap and extending thru said slots for manipulation of the lead, said barrel having an outwardly extending serrated flange within said casing, said flange being formed from the material punched to form the last mentioned slot, and a leaf spring secured to said lug and having a V-shaped portion adapted for engagement with the serrations of said flange.

2,029,732
FLOOR
Rollin H. McCarthy, Manhasset, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 11, 1934, Serial No. 720,120
10 Claims. (Cl. 52—3.5)



1. A floor unit comprising a unitary frame having an upstanding peripheral flange, and a preformed floor unit associated with the frame and having an upstanding peripheral flange predeterminedly spaced from the peripheral flange of the frame unit.

2,029,733
BAG FILLING MACHINE
William M. McNeil, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application April 27, 1931, Serial No. 533,693
6 Claims. (Cl. 226—48)



1. In a valve bag filling machine, means for supporting the bag in an approximately vertical position, a source of supply from which said bag is filled with material, means for automatically cutting off said supply of material when said bag is filled, an adjustable nozzle leading from the source of supply to the bag opening and slidably associated with said cut-off means, and a flange engaging said nozzle and adapted to be so adjusted so as to adjust said nozzle and its sliding clearance with said cut-off means.

2,029,734
DENTAL SYRINGE
Charles R. Meitzler, Rochester, N. Y., assignor of one-half to Oscar H. Pieper and one-half to Alphonse F. Pieper, Rochester, N. Y.
Application July 21, 1933, Serial No. 681,019
19 Claims. (Cl. 128—257)



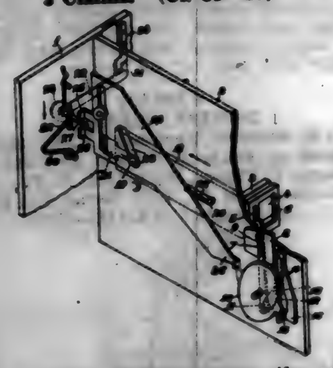
3. A syringe comprising a discharge outlet, a valve controlling said outlet, a fluid chamber communicating with said outlet, a displacement element movable in said chamber, and operating means for said valve connected with said element for retracting the same when said valve is being closed to create a partial vacuum for the purpose of preventing drippage from said outlet.

2,029,735
AUTOMOTIVE BODY AND FRAME
Daniel Lee Minott, Portland, Oreg., assignor of one-half to Robert F. Tuggle and one-half to Herman R. Bierndorf, both of Portland, Oreg.
Application October 7, 1931, Serial No. 567,425
2 Claims. (Cl. 280—112)



1. In a device of the class described, the combination, in a wheeled vehicle, of a substantially rigid vehicle chassis, a pair of bearing blocks in axial alignment and disposed one at each end of the vehicle chassis, a sub-frame disposed below said bearing blocks, a pair of bearing spindles in axial alignment and disposed one at each end of the sub-frame and operatively engaging said bearing blocks to pivotally support said sub-frame with respect to the vehicle chassis, whereby the sub-frame and any load carried by it is in a state of stable equilibrium.

2,029,736
MOTION PICTURE CAMERA
Kurt Mersbach, Berlin-Grunewald, Germany
Application August 4, 1932, Serial No. 627,490
In Germany August 4, 1931
3 Claims. (Cl. 88—17)



1. In a motion picture camera, the combination of two members forming a film guide, one of said members being movable relatively to the other from an operative to an inoperative position, film-feeding means, power actuated driving means including a rotatable projection for transmitting motion to said film-feeding means, and a detent connected with the movable member of the film guide and adapted, when said movable member is adjusted to its inoperative position, to extend into the path of said rotatable projection to prevent the transmission of a feeding motion to the film-feeding means as long as said movable member is not in its operative position.

2,029,737
ATTACHING MEANS FOR HANDLES
Erwin H. Mueller, Grosse Pointe Park, Mich.
Application March 28, 1935, Serial No. 13,472
3 Claims. (Cl. 287—53)

1. In a device for the purpose described the combination of a member split longitudinally inward from one end and formed with a bore extending transversely of said split end with the longitudinal axis of the bore coincident with the said split, a handle member formed with a socket



to receive the split end of said member, and a spring within said transverse bore to spread the split parts of the member apart and frictionally hold the split ends engaged within the handle socket.

2,029,738
PROCESS FOR THE PRODUCTION OF ALKALI NITRATE
Philipp Oswald, Hoechst, and Walter Geisler, Frankfort-on-the-Main-Hoechst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application March 29, 1935, Serial No. 13,786. In Germany April 7, 1934
4 Claims. (Cl. 23—103)

1. In the production of alkali nitrate by the reaction of ammonium nitrate with alkali chloride in an aqueous solution the step which comprises suspending the alkali chloride in a lye saturated with alkali nitrate, ammonium chloride and alkali chloride and adding to the suspension of alkali chloride the ammonium nitrate dissolved in a lye of the same composition.

2,029,739
METAL FENCE POST
Edward Pavek, Minneapolis, Minn.
Application January 26, 1935, Serial No. 2,417
2 Claims. (Cl. 256—53)



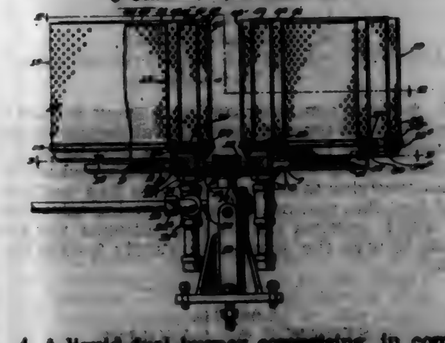
1. A fence post of angular form in cross section and made of plate-like material, said post having vertically spaced notches cut in one side thereof, the portions between said notches being reversely bent to form a shallow light or trough adapted to receive a vertically extending locking member, said notches extending to and through the vertical edge of said side so that the horizontal strands of a wire fence may be disposed therein and the vertical strands of said fence may be disposed in said light or trough whereby the fence can be held by said post over a wide vertical extent and said locking member is very accessible in said light or trough.

2,029,740
EARTH ANCHOR
Max Reemer, Chicago, Ill., assignor to General Outdoor Advertising Co., Inc., Chicago, Ill., a corporation of New Jersey
Application January 4, 1935, Serial No. 480
3 Claims. (Cl. 189—93)



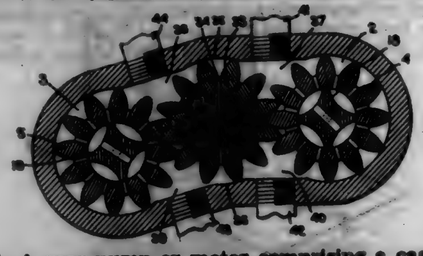
1. An earth anchor for a guy member comprising an upper plate and a lower plate mounted on said guy member, each having a peripheral series of openings, a series of leaves each having a reduced lug at each end, and each lug entering an opening in one of said plates, said leaves being initially bent at its midpoint so as to bow outwardly and being weakened at said point so that said leaves collapse outwardly when the plates are caused to approach.

2,029,741
OIL BURNER
Oscar C. Schroeder and Stanley Perry, Chicago, Ill.; said Perry assignor to Automatic Burner Corporation, Chicago, Ill., a corporation of Illinois
Application November 21, 1930, Serial No. 497,314
6 Claims. (Cl. 158—87)



4. A liquid fuel burner comprising, in combination: a base ring formed with spaced, concentric upwardly opening annular channels; an inverted channel shaped member located above the space between said channels and above the level of, and forming no part of, the channels in said base, radially filling said space and with at least portions of its lower edges spaced from said ring; means supporting said member, shells, certain of which are perforated, supported respectively at the outer periphery of the outer channel, at the inner periphery of the inner channel and at the inner and outer peripheries respectively of said inverted channel member to define inner and outer combustion chambers and an air chamber therebetween; means to supply air to said air chamber; and means to supply vaporized fuel to the annular chamber defined by said inverted channel member comprising a vaporizing chamber formed in a portion of said annular chamber and means to supply liquid fuel to said vaporizing chamber.

2,029,742
BALANCED GEAR PUMP OR MOTOR
William C. Sieverts, Quincy, Mass.
Application April 23, 1935, Serial No. 17,836
7 Claims. (Cl. 103—126)



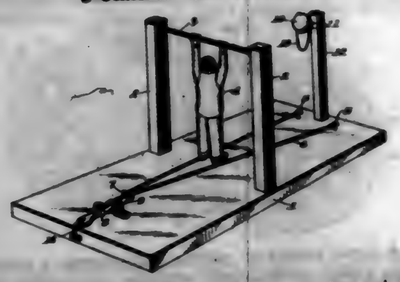
1. A gear pump or motor comprising a casing having outer cylindrical sections and inlet and outlet chambers intermediate of said cylindrical sections, cooperating cylindrical chambered gears closely fitting and rotatably mounted in said cylindrical sections having interdental ducts communicating with the chambers of said gears, fixed shafts fitting within said annular gears having longitudinally extending main recesses positioned to communicate through said interdental ducts respectively with said inlet and outlet chambers, and complementary longitudinal recesses diametrically opposite respectively to the aforesaid main recesses with ports in said hub establishing direct communication between said main and complementary recesses, whereby fluid pressure will be transmitted from the inlet and outlet chambers through said interdental ducts, and main and complementary recesses, to balance the pressures on the respective gears, and means for applying power to or for transmitting power from one of said gears.

2,029,743
LIQUID DISPENSER
Donald L. Spender, Waterbury, Conn., assignor to Scovill Manufacturing Co., Waterbury, Conn., a corporation of Connecticut
Application March 7, 1935, Serial No. 9,702
4 Claims. (Cl. 221—96)



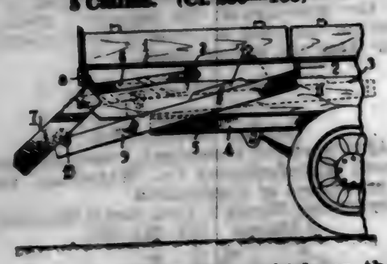
1. In a liquid dispenser, supporting means, an elongated tubular casing secured to the supporting means and having a closed inner end and an opening in its side, a relatively long tubular plunger closely fitting and slidably mounted in the casing and having an open inner end, a discharge outlet in its outer end and openings in its sides to register with those of the casing, a pin in the casing and extending through the plunger to limit the movement of the plunger tube within the casing, a spring within the tubes engaged by said pin to normally retain the plunger tube in position to insure the registration of the side openings, the said plunger tube having an extended annular flange on its outer free end portion surrounding the discharge outlet.

2,029,744
ANIMATED MECHANICAL TOY
Gladstone M. Steel, Chillicothe, Ohio
Application September 13, 1935, Serial No. 41,128
2 Claims. (Cl. 46—145)



1. A mechanical toy of the character set forth comprising a base, an upright frame arising from the central portion of said base, a rigid automaton suspended from said frame for turning movement about a substantially horizontal axis, and an elastic band mounted in connection with said base and arranged to engage with the lower portion of said automaton when said band is suddenly released following extension thereof.

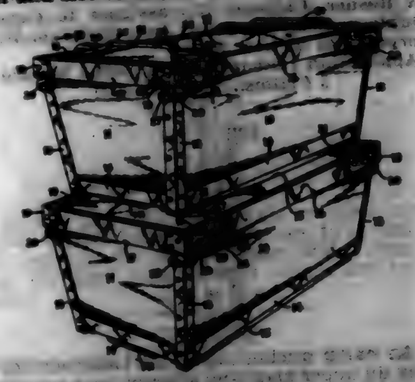
2,029,745
RETRACTABLE STEP FOR VEHICLES AND THE LIKE
Edgar E. Stiner, Sharps Chapel, Tenn.
Application June 3, 1935, Serial No. 24,755
5 Claims. (Cl. 280—166)



1. In combination with a vehicle or the like having a body and a generally horizontal space beneath the body, a step assembly, means connecting the step to the vehicle comprising guide means on the vehicle and an element carried by the upper end of the step assembly slidable in said guide means whereby the step may be slid into said space or extended therefrom and rotated so as to depend in extended, operative position from the vehicle, and bracing means pivotally connected to the lower end portion of the step and adapted to bear against a fixed part of the vehicle for limiting said rotation and supporting the step in extended position.

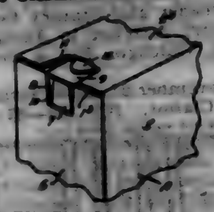
2,029,746
NESTING BOX WITH STACKING IRONS
Nathan Tufts and Edward T. Johnson, Greenfield, Mass., assignors to The New England Box Company, Greenfield, Mass., a corporation of Massachusetts
Application September 7, 1932, Serial No. 631,954
21 Claims. (Cl. 220—97)

1. In combination with a nestable box, means secured at opposite sides of the box and providing slots therein, and a stacking iron having its ends slidable within said slots and adapted to engage the walls thereof, the engagement between said iron and slot walls preventing pivotal movement



of said stacking iron when in box stacking position.

2,029,747
DISPENSING RECEPTACLE
Frank J. Venning, Cleveland Heights, and Frank J. Yelp, Euclid, Ohio, assignors to The Union Salt Company, Cleveland, Ohio, a corporation of Ohio
Application July 12, 1935, Serial No. 31,092
10 Claims. (Cl. 229—17)



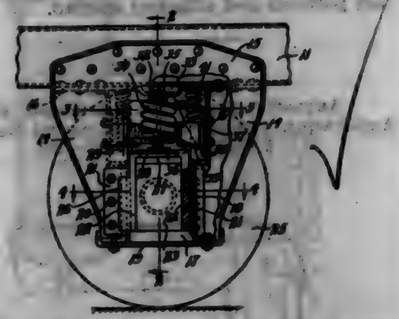
1. A paper container having a spout formed in one side wall thereof and integral therewith and movable to a pouring position, a flap forming a part of the top wall of said container and having a tab overlying said spout, a second flap overlying said first flap and having a reinforcing tab thereon which overlies said first mentioned tab and tends to urge the same downwardly toward said spout.

2,029,748
STORAGE OF GASOLINE
Harold C. Weber, Milton, Mass., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application March 14, 1932, Serial No. 598,717
6 Claims. (Cl. 23—235)



1. The method of preventing deterioration of gasoline containing gum and color forming constituents during storage thereof over prolonged time periods, which comprises generating nascent hydrogen beneath the surface of the gasoline in storage, permitting the hydrogen to freely contact with the gasoline, and maintaining an atmosphere of the hydrogen above the surface of the gasoline during the storage period to prevent access of oxidising gases to the gasoline.

2,029,749
RUNNING GEAR FOR RAILWAY CARS
Edwin W. Webb, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a corporation of New Jersey
Application July 27, 1933, Serial No. 682,383
4 Claims. (Cl. 105—223)



1. A running gear for cars comprising pedestals attached directly to the car body, said pedestals having lateral openings therein, journal boxes mounted for both vertical and lateral movement within the openings of said pedestals, springs resiliently supporting said car body from said journal boxes, lateral motion devices associated with said springs and permitting lateral motion of said journal boxes relative to said pedestals, and stabilizing devices within the lateral openings of said pedestals for snubbing downward movement of said pedestals relative to said journal boxes.

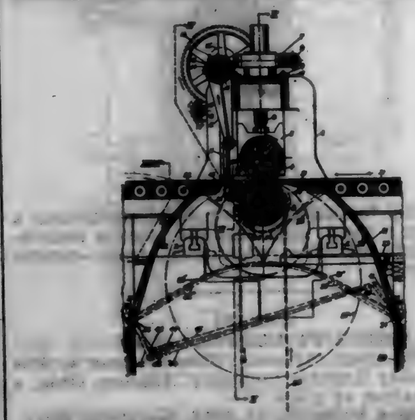
2,029,750
SIGN
Ruth Young, Enid, Okla.
Application November 6, 1934, Serial No. 751,769
1 Claim. (Cl. 40—36)



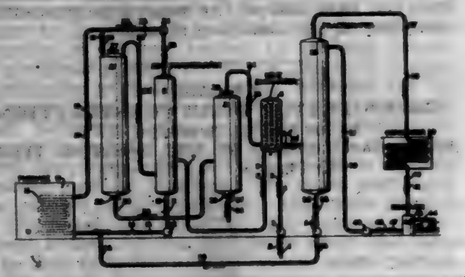
A sign including a body portion, transversely disposed bars forming a part of the body portion and spaced from the ends of the body portion providing compartments at the ends of the body portion, said bars having narrow slots, said bars having recesses formed in the outer edge thereof, shafts mounted in the compartments, finger pieces on the shafts whereby the shafts may be rotated, a web having indicia thereon, wound on the shafts and movable through the slots of the bars, both walls of the slots contacting the web holding the web in an extended condition, a spring member mounted in each compartment and bearing against the web normally holding the web and shafts against movement and transparent side members fitted within the recesses of the bars closing the sides of the body portion and through which the indicia on the web may be viewed.

2,029,751
METAL ROLLING MILL
James L. Adams, Jr., Youngstown, Ohio
Application June 7, 1923, Serial No. 644,661
27 Claims. (Cl. 80—31.1)

3. In a continuous belt rolling mill, the combination comprising a pair of spaced mill housings, a plurality of substantially parallel power-driven work-rolls mounted between said housings, a power-operated roll withdrawal and re-inserting means operatively connected permanently to one of said work-rolls, a power-driven ring-ingot transporting and entering means operative transverse to axis of one of said work-rolls, and containing a ring-ingot lift means operative to centre ring-ingot with roll axis substantially, a track for said ring-ingot transporting means attached permanently to inside faces of said housings and which substantially spans the belt rolling space in mill, and a mill entering live-roll table of the over-head type and mounted to provide suitable clearance for said ring-ingot transporting means over said track.



2,029,752
TREATMENT OF PETROLEUM
John B. Barnes, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application December 2, 1931, Serial No. 578,765
5 Claims. (Cl. 196—62)



1. A process for treating crude petroleum oil containing natural gasoline which comprises heating the crude oil sufficiently to vaporize the natural gasoline and separating the resultant gasoline-containing vapor from fractions of the crude heavier than gasoline, passing said fractions in a restricted stream through a heating zone and heating the same therein to cracking temperature under pressure, discharging the thus heated fractions into an enlarged reaction zone maintained under cracking conditions of temperature and pressure, introducing said gasoline-containing vapor into said reaction zone and subjecting the same to the cracking conditions prevailing therein, separating the reaction products into vapors and residue, and dephlegmating and condensing the vapors.

2,029,753
TOOL FOR LAPPING VALVE SEATS
Herbert A. Berkman, Chicago, Ill., assignor to Zim Manufacturing Company, a corporation of Illinois
Application July 21, 1934, Serial No. 736,279
8 Claims. (Cl. 51—209)



4. A tool for lapping valve seats, comprising a stem and a head; said head including a detachable, stiff, smooth continuous, frusto-conical metal shell.

2,029,754
RECEIPT CONTROL FILE
Harold W. Clark, Alliance, Ohio, assignor to The McCaskey Register Company, Alliance, Ohio, a corporation of Ohio
Application February 13, 1935, Serial No. 6,344
7 Claims. (Cl. 211—51)



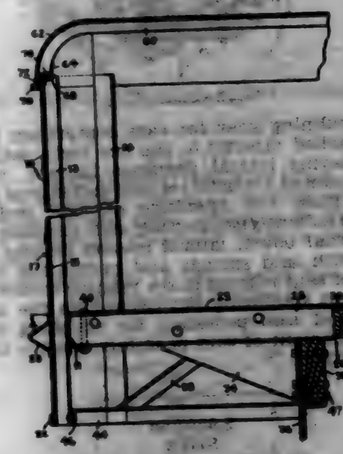
1. A control file including a base, a tray supported upon said base, means for clamping receipts and the like in said tray, and a locking plate upon the base cooperating with the clamping means for locking the tray against removal from the base and at the same time preventing operation of the clamping means.

2,029,755
REFRIGERATOR DOOR CONSTRUCTION
Isidor Cohen, Brooklyn, N. Y.
Application February 26, 1934, Serial No. 712,665
12 Claims. (Cl. 20—35)



1. A refrigerator door comprising a frame having a pair of parallel stile portions and a pair of members at the top and bottom connected at the ends thereof to said stile portions, and a pair of metal members each attached to an inner surface of one of the stile members, and having extensions at the upper and lower ends thereof contacting the inner surface of the top and bottom portions and attached thereto.

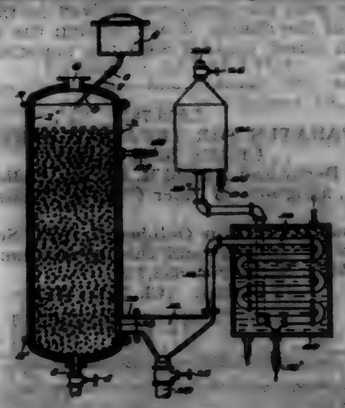
2,029,756
VEHICLE BODY
Augustine Davis, Jr., Cincinnati, Ohio
Application January 26, 1933, Serial No. 653,623
5 Claims. (Cl. 296—28)



1. In a truck or trailer body of the type having a panel on each side, a plurality of longitudinally spaced upright posts supporting each panel, a longitudinally extending frame with which the posts of each panel are connected at their upper ends, and a longitudinal angle member for connecting with the posts to support them from the bolsters of the truck or trailer, a construction including posts in contact with the outside face of the angle member and extending below the angle member by which they are connected with the bolsters so that a substantial manufacturing tolerance in the length of the posts is permissible and no accurate fitting of the posts required during assembly, welded connections between the posts and angle member for fastening the posts to the angle member without locating and registering openings for fastenings or securing fastening means, and a panel against the outside faces of the posts, secured to the posts and extending with said posts below said angle member so that said panel forms both the side wall and skirting of the body.

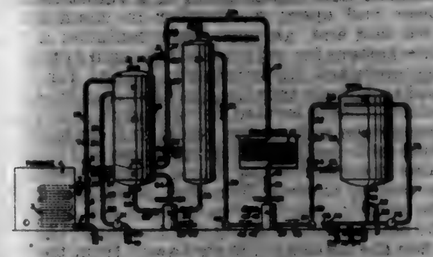
2,029,757
PROCESS OF IMPROVING HYDROCARBON LIQUIDS
Roland B. Day, Palos Verdes Estates, Calif., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota
Application February 21, 1931, Serial No. 517,698
1 Claim. (Cl. 196—26)

A process for improving gasoline by removal of sulphur and gum and color-forming constituents which comprises treating gasoline vapors with ammonium chloride in the presence of zinc



at a temperature sufficiently high to decompose the ammonium chloride.

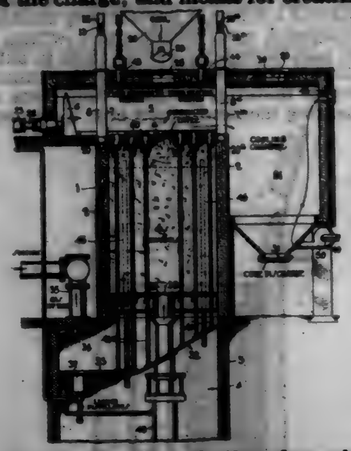
2,029,758
TREATMENT OF HYDROCARBON OILS
Roland B. Day, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 11, 1934, Serial No. 730,124
3 Claims. (Cl. 196—26)



1. A process for refining cracked hydrocarbon distillates which comprises treating the distillate with added aqueous hydrogen chloride in the presence of brass under conditions such as to remove therefrom gum-forming olefins which are readily reactive with sulphuric acid, and thereafter desulphurizing the distillate by sulphuric acid treatment.

2,029,759
APPARATUS FOR THE TREATMENT OF CARBONACEOUS MATERIAL
Ira H. Derby and Harold R. Horner, Indianapolis, Ind., assignors to Peter C. Reilly, Indianapolis, Ind.
Original application January 4, 1930, Serial No. 418,612. Divided and this application July 25, 1933, Serial No. 681,871
9 Claims. (Cl. 202—99)

7. In an apparatus of the character described, the combination of a retort; a lifter mounted for vertical movement in said retort, said lifter having openings extending vertically therethrough; means for actuating the lifter; means for forming and maintaining a series of spaced and vertically disposed channels extending through a charge placed in the retort and resting upon the lifter; a combustion chamber located at the upper end of the retort; means for introducing a combustion medium into contact with the exposed face of the charge; and means for creating a suction downwardly through the channels in the charge and through the openings in the lifter.



2,029,760
APPARATUS FOR TREATING CARBONACEOUS MATERIAL
Ira H. Derby and Harold R. Horner, Indianapolis, Ind., assignors to Peter C. Reilly, Indianapolis, Ind.
Application October 5, 1932, Serial No. 636,610
11 Claims. (Cl. 202—103)

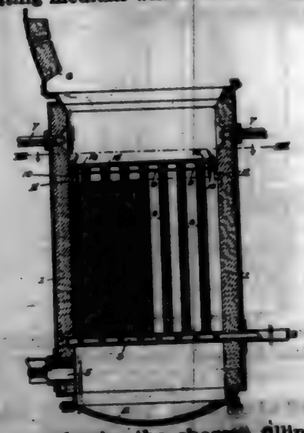


1. In an apparatus for treating charges of carbonizable material having preformed channels of inert material extending therethrough from the upper to the lower face of the charge, the combination of a retort having an opening formed in the lower portion thereof; a chamber in communication with said opening; an open top receptacle; a removable bottom for the receptacle, said bottom having openings therethrough; means for moving said receptacle into the retort from the chamber aforesaid; a source of fluid heating medium located in the upper portion of the retort; means located in the lower portion of the retort for contacting the removable perforate bottom of the receptacle when the same is in line with the opening in the lower portion of the retort, for raising the bottom and a charge which may be placed within the receptacle upon said perforate bottom, to position the charge within the retort free of the receptacle; and means connected to the lower portion of the retort for drawing the heating medium downwardly therethrough and through the channels in the charge positioned within the retort.

2,029,761
METHOD OF FORMING CHARGES
Ira H. Derby and Harold R. Horner, Indianapolis, Ind., assignors to Peter C. Reilly, Indianapolis, Ind.
Application October 6, 1932, Serial No. 636,611
5 Claims. (Cl. 202—34)

1. That method of forming a charge of solid carbonizable material with a view of subjecting

the same to the action of a fluid heating medium to distil and carbonize the same, which comprises placing a series of horizontally spaced, vertically disposed open-ended tubes within a receptacle, said tubes terminating close to but short of the lower end thereof; filling the tubes with a permeable material infusible under the action of the heating medium which is at a temperature



to distil or carbonize the charge; filling the receptacle about said tubes with the material to be treated; and, finally, withdrawing the tubes, thereby forming a plurality of spaced channels defined by the permeable material opening at opposite faces of the charge, with the last named material outspread at the lower ends of the channels.

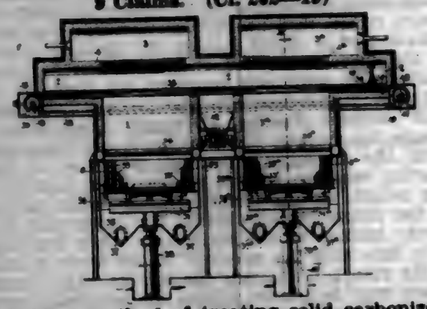
2,029,762

METHOD OF TREATING CARBONACEOUS MATERIAL

Ira H. Derby and Harold R. Horner, Indianapolis, Ind., assignors to Peter C. Reilly, Indianapolis, Ind.

Application October 6, 1932, Serial No. 636,612

9 Claims. (Cl. 202—19)



1. That method of treating solid carbonizable material to distil and carbonize the same, which comprises forming a charge thereof within a receptable and also producing a plurality of spaced channels extending through the charge in a substantially vertical direction; filling said channels with a granular material inert to the temperature of the heating medium employed to distil and carbonize the charge, said filling being exposed at the upper and lower ends of the channels; positioning the receptacle with the charge therein in line with the open end of a retort; forcing the charge out of the receptacle and into the retort without materially disturbing the charge; subjecting the upper exposed surface of the charge to the action of a fluid having a temperature sufficient to carbonize the material at and adjacent said surface and drawing such medium, together with the distillates evolved in the treatment of the charge, down through the channels and in direct contact with the material of the charge.

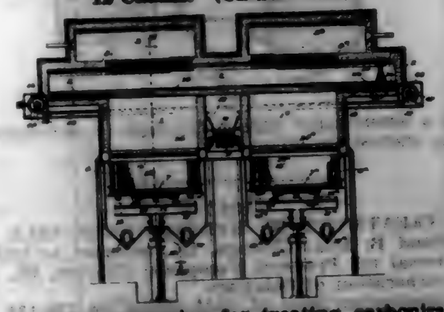
2,029,763

APPARATUS FOR TREATING CARBONACEOUS MATERIAL

Ira H. Derby and Harold R. Horner, Indianapolis, Ind., assignors to Peter C. Reilly, Indianapolis, Ind.

Original application October 6, 1932, Serial No. 636,612. Divided and this application August 18, 1933, Serial No. 685,779

12 Claims. (Cl. 202—121)



1. In an apparatus for treating carbonizable material, the combination of a retort having its lower end open; a chamber in communication with said end; an open top receptacle; a removable bottom for said receptacle, said bottom having openings therethrough; means for moving said receptacle into the chamber and beneath the retort; means located below and in line with the lower open end of the retort for contacting the removable bottom of the receptacle and raising the same thereby moving it and a charge which may be resting thereon from the receptacle and into the retort; means movable into the openings in the bottom for arresting the descent of the charge when the bottom is lowered away from the charge and back into the receptacle; means for introducing a gaseous heating medium into the retort above the charge and into contact with the upper exposed surface thereof; and means for drawing the heating medium downwardly through the charge.

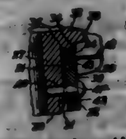
2,029,764

BUNG RING CONSTRUCTION

Charles H. Draper, Cleveland Heights, and Walter C. Greeser, Cleveland, Ohio, assignors to The Draper Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application January 4, 1933, Serial No. 650

14 Claims. (Cl. 285—49)



1. In bung ring construction for a metallic container, a wall provided with a tubular neck projecting inwardly therefrom forming a bung opening, a bung ring having a sleeve telescoped within said neck, the bung ring being provided at its outer end with a flange lapping said neck and container wall, means preventing the bung ring from being withdrawn from the neck, and

separate means extending through the bung ring sleeve and neck securing the bung ring against rotation in the neck.

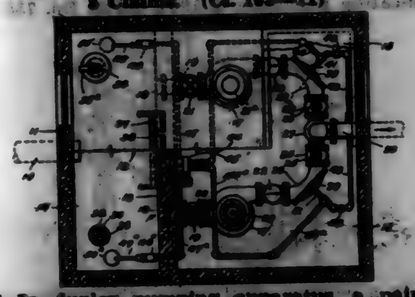
2,029,765

PUMPING APPARATUS

Augustus C. Durdin, Jr., Chicago, Ill., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois

Application April 7, 1934, Serial No. 719,443

5 Claims. (Cl. 103—11)



1. In duplex pumping apparatus, a pair of sequentially operated pumps, each having fluid pressure operated capacity regulating means, and sequentially operating waste valves for regulating the amount of pressure admitted to said capacity regulating means; pipe connections between the capacity regulating means and waste valves, and a valve for connecting the initially operated waste valve with the capacity regulating means of the initially operated pump.

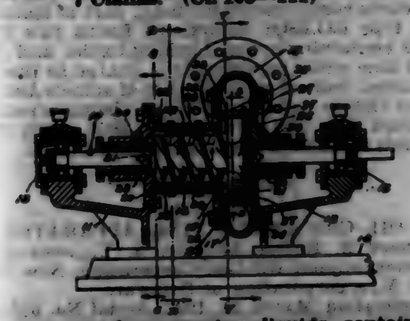
2,029,766

SCREW FEED CENTRIFUGAL PUMP

Augustus C. Durdin, Jr., Niles Center, Ill., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois

Application August 18, 1934, Serial No. 740,381

7 Claims. (Cl. 103—111)



1. A pump for pumping liquids containing solids or semi-solids, comprising a casing having a cylindrical part and a volute part opening thereto, some of the faces of the cylindrical and volute parts being flat, a screw conveyor rotating in the cylindrical part and an impeller rotating in the volute part, there being an inlet in the cylindrical part of the casing adjacent the flat wall thereof, said screw conveyor and impeller having edges traveling throughout their entire extent in close proximity to the flat faces of the casing, and means for maintaining free clearance spaces between said flat faces of the casing and edges of the screw conveyor and impeller comprising cutting elements on the casing entering said clearance spaces and co-operating with said entire edge portions of the screw conveyor and impeller to shear off material that is carried to said clearance spaces.

2,029,767

MECHANICAL LEAD-PENCIL

Wynn E. Eisenhauer, Halifax, Nova Scotia, Canada

Application September 13, 1934, Serial No. 743,816

In Canada November 13, 1933

11 Claims. (Cl. 120—18)



1. A pencil including two parts, one of said parts being rotatable with respect to the other in response both to the natural writing movements of the thumb and fingers between which the pencil is gripped when in use and to the friction of the pencil lead on the writing surface, and a lead feeding mechanism operating automatically in response to rotation of said rotatable part.

2,029,768

PRINTED FABRIC AND METHOD OF MAKING SAME

Duncan Ferguson, New Haven, Conn., and Herbert H. Sebell, Garden City, N. Y., assignors to Sidney Blumenthal & Co., Inc., New York, N. Y., a corporation of New York

Application September 1, 1934, Serial No. 742,386

7 Claims. (Cl. 91—67.9)



1. The method of making a pile fabric which includes, applying a design to the flat side by printing thereon, causing the printing composition to show through on the pile face of the backing fabric without affecting the projecting portions of the pile, coating said flat side with a binder, and drying the material.

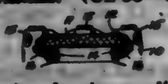
2,029,769

MOUNTING FOR THE CRYSTAL OF A WRIST WATCH CASING

Joseph Goldblatt, New York, N. Y.

Application December 4, 1934, Serial No. 755,875

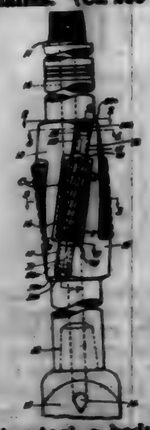
2 Claims. (Cl. 58—91)



1. A watch casing having a dial opening with an inwardly tapered wall and spaced seats ar-

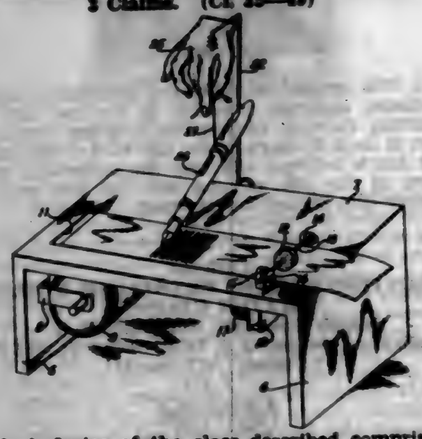
ranged in the tapered wall, and a crystal peripherally contacting the tapered wall and being supported on the seats, the material of the wall above the seats being turned over on the crystal to grip the latter and hold it in contact with the wall of the opening.

2,029,770
ROLLER CUTTER REAMER
John Grant, Los Angeles, Calif.
Application October 26, 1934, Serial No. 750,059
15 Claims. (Cl. 255—73)



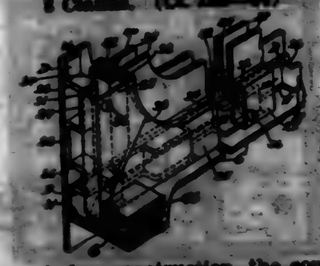
1. In a reaming tool, a body, a pair of spaced spindle carriers on the body in fixed alinement with relation to each other and having alined bores, a cylindric cutter carrying spindle with end portions fitting the bores, and keys engaging the spindle and the carriers to prevent spindle rotation in the carriers, one of the keys being integrated with the spindle and removably fitting a carrier, the other key being integrated with the other carrier and removably fitting the spindle, the spindle and a carrier being slotted to take the said key fits.

2,029,771
DISPLAY DEVICE
John Dewitt Gray, Chicago, Ill.
Application September 5, 1933, Serial No. 688,697
3 Claims. (Cl. 35—49)



1. A device of the class described comprising a writing surface, means for moving a strip of paper over said surface, an arm, a fountain pen freely suspended from said arm close enough to said paper to cause the pen to press lightly against said paper, and means for swinging said arm to and fro.

2,029,772
WINDOW CONSTRUCTION
William T. Griffin, Barwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application December 4, 1934, Serial No. 756,345
8 Claims. (Cl. 268—94)



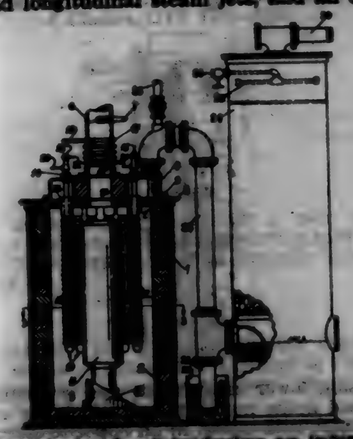
1. In a window construction, the combination of top, bottom, and side members forming a window opening, means projecting beyond said members into said opening to thereby form a shoulder surrounding the opening, a window unit in said opening, means attached to said shoulder and adapted to receive clamping and positioning means for said unit.

2,029,773
PROCESS FOR OBTAINING PRODUCTS CONTAINING SPINELS
Ture Robert Hedlund, Stockholm, Sweden
No Drawing. Application May 17, 1933, Serial No. 671,591. In Sweden September 16, 1932
13 Claims. (Cl. 75—23.5)

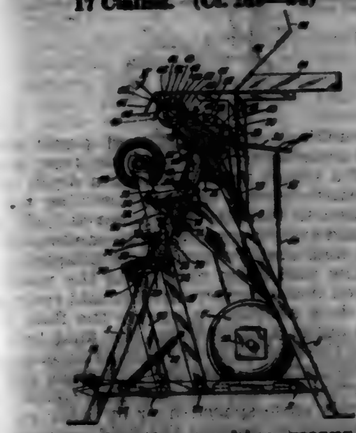
1. A process for producing highly refractory products consisting in the main part of spinels of the type RO.R$_2$O$_3$, comprising fusing raw materials containing spinel-forming oxides and silica and lime while regulating the charge so that the solidified molten mass consists of spinels and silicates rich in calcium, the latter being present to at least 20% and removing at least partly compounds of calcium from the solidified mass.

2,029,774
OIL GAS GENERATING APPARATUS
Leonard B. Harris, Bayside, N. Y., assignor to International Oil-Gas Corporation, New York, N. Y., a corporation of Delaware
Application March 14, 1933, Serial No. 661,485
5 Claims. (Cl. 48—94)

1. An oil gas generating apparatus comprising a furnace having an exit for waste gases at its upper portion, a header outside of said furnace through which said exit passes, a plurality of retorts around said exit opening into said header and extending into said furnace and having their lower ends closed, a plurality of tubes extending respectively into said retorts and stopping short of their closed ends, a multiple-jet burner having a circular row of openings positioned at one end of each of said inner tubes and adapted to introduce a circular row of jets of steam into each one of said tubes, and individual admixers adapted to introduce oil within each of said circular rows of jets, a portion of said nozzle openings being positioned so as to cause steam jets to project longitudinally adjacent the inner walls of said tubes to shield the same and prevent contact thereof with said oil, and another portion of said nozzle openings being positioned to cause converging steam jets to be projected intermediate said longitudinal steam jets, and an oil distributing device for introducing an intermittent stream of oil into each of said atomizing devices in predetermined quantities for operating all of said retorts simultaneously and at predetermined periods.



2,029,775
FUR TREATING MACHINE
Frederick W. Herrmann, Ridgewood, N. J.
Application June 21, 1934, Serial No. 731,591
17 Claims. (Cl. 149—24)



1. In a fur treating machine, means comprising a stretching roller and a pressing drum to hold a fur pelt in position against said stretching roller while being stretched, and means for buffing the hide side of the fur pelt while being stretched.

2,029,776
CASH REGISTER
Max Jacob, Bielefeld, Germany, assignor to firm Anker-Werke Aktiengesellschaft, Bielefeld, Germany
Application November 8, 1930, Serial No. 493,674
7 Claims. (Cl. 235—6)

1. In a machine of the class described, manually operated means for determining the kind of operation of the machine, a plurality of sets of value retaining devices comprising a plurality of racks divided into packets one for each denomination, a differential mechanism, an auxiliary adding mechanism adapted to mesh directly with said differential mechanism and with said racks,



means to determine the time of engagement of said racks with said auxiliary adding mechanism, said last named means being controlled by said manually operated means.

2,029,777
VALVE
William R. Kinnaird, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 23, 1932, Serial No. 648,690
7 Claims. (Cl. 251—30)

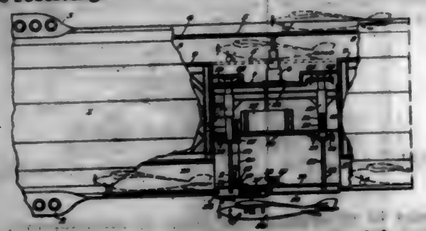


5. A valve for controlling the flow of fluids comprising, in combination, a main valve body having inlet and outlet ports, a stationary seating member within the main body having a port through which a main stream of fluid flowing through the valve may pass, a movable seating member in adjustable relationship to the stationary seating member, means for adjusting the position of the movable seating member relative to the stationary seating member whereby to control the flow of fluid through the valve, said valve body being provided with a fluid chamber located outside the path of flow of said main stream of fluid passing through the valve, within which chamber the movable seating member is mounted, means for conducting a fluid into said chamber, said movable seating member being provided with means comprising ports on its outer periphery for permitting the passage of fluid from said chamber between the movable seating member and the walls of said chamber into the main stream of fluid passing through the valve.

2,029,778
AIRCRAFT
Henry E. Krammer, Hempstead, N. Y.
Original application July 15, 1931, Serial No. 551,057. Divided and this application July 11, 1933, Serial No. 679,974
11 Claims. (Cl. 244—2)

1. An aircraft having a storage compartment in its lower portion, a vertically slidable hoist

disposed in said compartment, and an airplane landing device actuated by said hoist, said device receiving and releasing an airplane when be-



low the surface of said aircraft and receiving and discharging it into the storage compartment when raised.

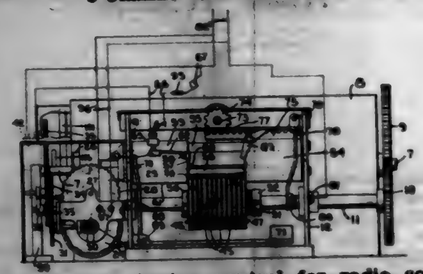
2,029,779

AUTOMATIC TUNING CONTROL FOR RADIO COMMUNICATION APPARATUS

Francis T. Leahy, Jr., Brookline, Mass.

Application January 11, 1934, Serial No. 706,210

3 Claims. (Cl. 250—20)



2. Automatic tuning control for radio communication apparatus comprising a variable condenser, a plurality of index members each member independently adjustable relative to the adjustment of said condenser, means to adjust said index members into selected relative positions with said condenser determined by the resonance point thereof at a selected wave-length, friction means acting to maintain said index members in their selected relative positions, a constantly rotating motor, driving means operable to engage and disengage said motor and said condenser, controlling means coacting with one at a time of said index members to engage and disengage said driving means to resonate the apparatus at the wave-length determined by the active index member and means to present said controlling means successively to the indexing members at predetermined time intervals.

2,029,780

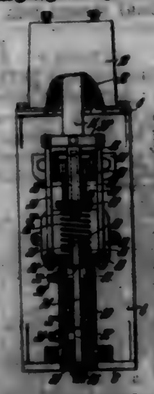
FUEL FEEDING APPARATUS

Moses K. Maser and Sidney C. Friedman, Springfield, Mass.

Application March 21, 1934, Serial No. 716,679

7 Claims. (Cl. 103—53)

1. An apparatus of the class described comprising, a solenoid and an armature, a cylinder and a piston, the said armature and piston being reciprocable in said solenoid and cylinder, a guide member between said solenoid and cylinder, a member associated with said armature guided in said guide member, connections between said armature and piston, a circuit closing device including an operating member a yieldable member associated with said armature for engaging said operating member as the armature reciprocates, the said connections including a cross-head carried by said armature having depending rods and a lower cross-head thereon connected to said piston, a spring urging the piston upwardly relative to said lower cross-head, and a spring between said guide member and said lower cross-head to urge said piston in an opposite direction.



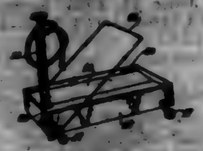
2,029,781

RECEIVING AND TRANSFERRING DEVICE

John C. McLean, Cleveland, Ohio, assignor to The M and M Company, Cleveland, Ohio, a corporation of Ohio

Application January 11, 1934, Serial No. 706,143

3 Claims. (Cl. 251—89)



1. A combined receptacle and pump device adapted to receive the fluid removed from a fluid system of a motor vehicle having a drain outlet located relatively close to a floor or other surface and adapted to transfer the removed fluid back into the said system comprising in combination, a relatively long and low receptacle adapted to fit between the said drain outlet and the relatively close spaced floor or other surface, said receptacle having a deck adapted to receive the fluid from the drain outlet and to direct the fluid into the receptacle, the said deck constituting an enclosure for the receptacle so that the receptacle may be removed from between the said drain outlet and the relatively close spaced floor or other surface without spilling or wasting the fluid contained in the receptacle, marginal means projecting upwardly from the deck to prevent splashing of the removed fluid upon the floor or other surface, said deck having an opening in one end thereof through which the removed fluid passes as it flows from the deck into the receptacle, sump means arranged in the bottom of said receptacle and positioned beneath and substantially in alignment with the said opening, a drain plug for said sump, a detachable pump having a cylinder adapted to extend through said opening and extend into said sump means, means for removably supporting the pump in an upright position within said opening, said supporting means including engaging means connected to said cylinder and adapted to extend out and engage the deck portion adjacent the opening, and a conduit attached to the pump for transmitting the fluid from the pump directly back into the fluid system of the motor vehicle.

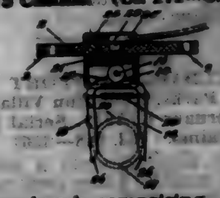
2,029,782

MOTOR BRUSH ASSEMBLY

Samuel Nelson Mead, Amesbury, Mass.

Application May 25, 1934, Serial No. 727,267

5 Claims. (Cl. 171—328)



5. A motor brush comprising a pair of flat blades, a common pivot for supporting said blades so that they engage edgewise opposite sides of a slip ring.

2,029,783

COKING OF HYDROCARBON OILS

Lev A. Mekler, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota

Application December 28, 1931, Serial No. 583,507

5 Claims. (Cl. 202—5)



2. A process for coking heavy hydrocarbon oils, which comprises discharging the oil onto the exterior surface of a cylinder rotating within a heating zone, generating a coking heat in the heating zone exteriorly of said cylinder and transmitting the same directly to the oil discharged onto the cylinder, continuing the discharge of oil onto the cylinder until a substantial quantity of the coke has formed thereon, and removing the coke from the exterior surface of the cylinder, by spraying a cooling medium onto a portion of the coke layer accumulated on the cylinder.

2,029,784

WATERTIGHT WATCHCASE

Ernest Marf, La Chaux-de-Fonds, Switzerland

Application April 20, 1935, Serial No. 17,503

In Switzerland April 24, 1934

2 Claims. (Cl. 58—90)



1. In a rectangular fancy watch the combination of a watch case having a faying surface provided with a groove, an elastic packing sunk into this groove, a glass made of transparent, resilient material and provided with a border all round to fit the elastic packing, a bezel made of resilient material and fitting the border of said glass, the faying surfaces of case and bezel in one of the two directions of the rectangle being in each of two cooperating surfaces the one arcuate and the other plane and means being provided for bending the bezel to the glass to press the latter upon said packing.

2. In a rectangular fancy watch the combination of a watch case having a faying surface provided with a groove, an elastic packing sunk into this groove, a glass made of transparent, resilient material and provided with a border all round to fit the elastic packing, a bezel made of resilient material and bent to fit the borders of said glass, two headed studs fixed to each small side of the case, two clasps carrying horns for attaching a wrist band thereto and provided with slots to be slid over said headed studs, and locking pins stuck through the clasps into the end faces of the case and adapted to maintain the clasps fast to the case.

2,029,785

TREATMENT OF HYDROCARBON OIL

Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of South Dakota

No Drawing. Application February 18, 1932, Serial No. 593,577. Renewed April 8, 1935

4 Claims. (Cl. 196—36)

2. A process for refining cracked hydrocarbon oil of motor fuel boiling range and containing mono- and di- and tri-olefins to remove color and gum forming components and to reduce the sulphur content thereof, which comprises subjecting the hydrocarbon oil while entirely in vapor phase to the action of a solution containing sulphuric and phosphoric acids.

2,029,786

CATALYST

William Whalley Myddleton, Hanworth, England, assignor to Robinson Bindley Processes Limited, Sutton, England

No Drawing. Application July 19, 1933, Serial No. 681,222. In Great Britain July 26, 1932

4 Claims. (Cl. 23—236)

1. The process of preparing a nickel catalyst consisting in mixing nickel oxide with silicon ester, effecting coagulation by the addition of ammonia, breaking into granules and drying and subjecting the granules to the action of heat in an atmosphere of hydrogen or other reducing gas.

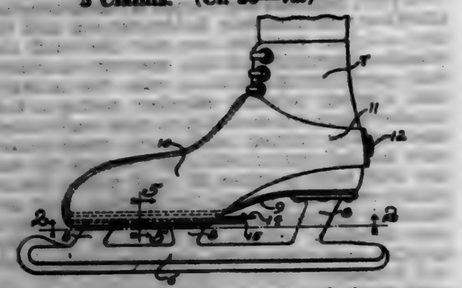
2,029,787

FOOT PROTECTING DEVICE FOR SKATERS

Albert A. Ohler, Detroit, Mich.

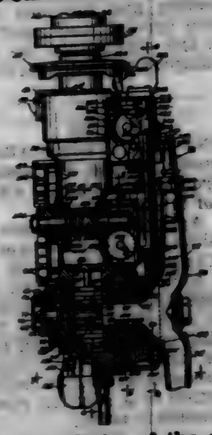
Application March 12, 1934, Serial No. 715,868

5 Claims. (Cl. 36—7.2)



1. A foot protecting device for skaters comprising a unitary fabric covering adapted to overlie the toe and instep of a shoe, and having a free edge which lies beneath and extends backward from the toe and along and beneath the side edges of the sole of the shoe, and part way only across the underside of the sole, and a releasable and resilient member extending backward from the toe engaged with said free edge and adapted to constantly draw and hold said fabric covering closely and neatly engaged with the top of the shoe.

2,029,788
TANK WASHING APPARATUS
William Ostling, Los Angeles, Calif., assignor to The Pyrate Corporation of Nevada, a corporation of Nevada
Application February 2, 1935, Serial No. 5,699
18 Claims. (Cl. 239—68)

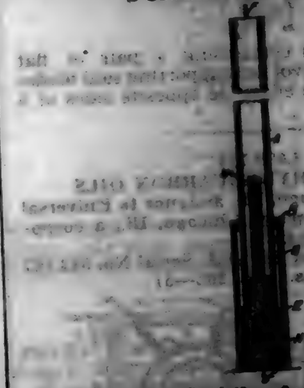


1. In a cleaning device of the class described, the combination of: a stationary feed pipe; supporting means for said feed pipe; a housing unit mounted on the end of said feed pipe for rotation about the axis of said feed pipe; a nozzle unit mounted in said housing for rotation about an axis normal to the axis of said housing; means for producing a continuous rotation of said nozzle unit about its axis; a cam member secured to said nozzle unit; a push rod slidably supported by said housing unit with one end engaging said cam; a pawl carrier swingably supported on said housing unit and adapted to be engaged by the other end of said push rod; a pawl in said pawl carrier; ratchet means rotatably supported on said housing unit in engagement with said pawl; a worm rigidly connected with said ratchet means; and a worm gear secured to said feed pipe and engaging said worm.

12. In a cleaning device of the class described, the combination of: a stationary feed pipe; a housing rotatably mounted on the end of said feed pipe, said housing having a transverse nozzle chamber with openings in the sides of said housing; a cage member mounted in said nozzle chamber through said side openings and having wall ports communicating with the interior of said housing; a nozzle member having a hollow spindle rotatably mounted in said cage member, said spindle having wall ports communicating with the interior of said cage; means for securing said cage member in said nozzle housing; thrust receiving means for holding said nozzle member against transverse movement in said cage member; means for rotating said nozzle spindle; and means for simultaneously rotating said housing.

18. For use in a tank cleaning device of the class described, the combination of: a housing; a nozzle member mounted in internal communication with said housing for rotation about an axis normal to the axis of said housing; a hollow boss formed on said housing; a turbine shaft extending through said hollow boss; bearing means in the ends of said boss supporting said turbine shaft; means including conduits in said housing for delivering lubricant into the mid-portion of said hollow boss; oppositely disposed threads on said shaft for conveying said lubricant from the mid-portion of said boss to said bearings; a turbine wheel on one end of said shaft; gear means connecting the other end of said shaft with said nozzle member; and means for directing a power liquid from said housing against said turbine wheel.

2,029,789
YIELDABLE SUPPORT
Roland Dane Parks, Houghton Village, Mich.
Application February 6, 1933, Serial No. 655,414
2 Claims. (Cl. 248—356)



2. In a support of the class described, two intersliding metal pipes aligned for relative telescopic movement, a "plastic" metallic element of lead or lead alloy contained or cast within the outer of the above mentioned pipes, an orifice associated with the inner of the above mentioned pipes that excessive pressures along the intersliding axis will only cause said "plastic" element to be extruded through said orifice to allow telescopic yield without endangering the strength as a column of the support as a whole.

2,029,790
FLINGING DEVICE FOR BALL GAMES
Robert Bernhard Philipp, Reutlingen, Germany, assignor to Cerbaliguswollwarenfabrik m. b. H., Reutlingen, Germany
Application May 2, 1933, Serial No. 668,916
In Germany June 24, 1932
6 Claims. (Cl. 272—96)



1. A throwing and catching device for ball games, comprising in combination a catching basket, a handle projecting centrally from one end of said basket, an extension on the other end of said basket forming a rolling surface for the ball, said extension having a curved portion adjacent said basket merging into a straight portion at its free end, said straight portion having a straight edge at its end situated above the extended longitudinal axis of said handle, and side walls along said extension, the upper edges of said walls merging into the straight end edge of said extension.

2,029,791
HAIR CLIPPER BLADE
Giuseppe Picchino, West New York, N. J.
Application May 22, 1935, Serial No. 22,775
2 Claims. (Cl. 30—2)

2. Hair clipper blades comprising a pair of plates, one superposed on the other, one of said plates having at its front edge a series of elongated tapering teeth disposed in a plane at an angle to the plane of the plate, each tooth being thicker at one end than at the other, the second



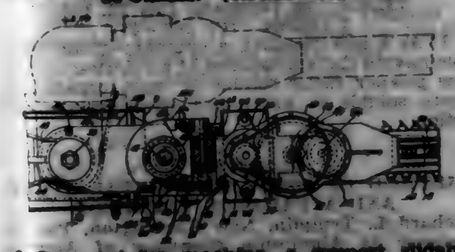
plate having a corresponding set of teeth arranged with their outer surfaces in shearing contact with the inner surfaces of the first mentioned teeth to clip the hair in graduated lengths.

2,029,792
HAIR CUTTING COMB
Giuseppe Picchino, West New York, N. J.
Application February 20, 1935, Serial No. 7,315
2 Claims. (Cl. 132—18)



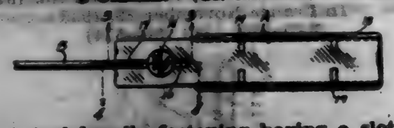
1. A hair cutting guide comb, comprising a series of spaced-apart tapering teeth, each tooth having a front face and an inclined rear face converging to the lower edge of the front face, said inclined rear faces constituting a guide surface along which the hairs may be cut in graduated lengths, and a handle member projecting rearwardly from the teeth above the inclined faces thereof.

2,029,793
MINING MACHINE
Charles A. Pratt, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 8, 1928, Serial No. 310,319
Renewed August 2, 1934
36 Claims. (Cl. 262—58)



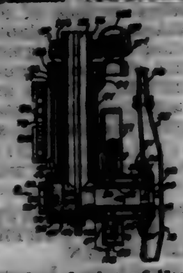
1. In a mining machine, a support slidable along the mine bottom and adapted to rest on and be held in a stationary position with respect to the mine bottom during the cutting operation, cutting mechanism connected to said support for movement therealong including a motor, a cutter bar having a cutter chain movable thereabout, means driven by said motor for driving said cutter chain about said cutter bar, and mechanisms carried by said support for feeding said cutting mechanism longitudinally thereof and for swinging said cutter bar with respect to the sides and forward end of said support.

2,029,794
TOOL HANDLE FASTENING
Hugo Bottstedt, Aldan, Pa.
Application November 27, 1934, Serial No. 754,947
2 Claims. (Cl. 279—25)



1. A tool handle fastening having a slot and offsets from the slot forming a tapered socket in combination with a tool having a tang fitting the slot with tapered offsets fitting the tapered socket, and means to exert pressure in the direction of the taper tending to force the tapered section into the tapered socket.

2,029,795
APPARATUS FOR CLEANING TANKS AND THE LIKE
Clare Richard, Los Angeles, Calif., assignor to The Pyrate Corporation of Nevada, a corporation of Nevada
Application July 13, 1934, Serial No. 734,987
Renewed August 10, 1935
23 Claims. (Cl. 239—65)



7. A tank cleaning device of the class described embodying: a nozzle member; housing means rotatably supporting said nozzle member for rotation about a substantially horizontal axis; means rotatably supporting said housing for rotation about a vertical axis; means for rotating said nozzle member and means intermittently operated by a liquid jet projected from said nozzle member for effecting step by step rotation of said housing on its supporting means.

17. For use in a tank cleaning device of the class described, the combination of: a nozzle member; a housing having a passage therethrough communicating with said nozzle member and supporting same for rotation about a substantially horizontal axis; means for delivering a pressure liquid into said housing; a turbine wheel rotatably mounted on said housing; means operated by said turbine wheel for driving said nozzle member; a turbine nozzle adjustably mounted on said housing adjacent said turbine wheel for directing a liquid jet against the vanes thereof; and conduit means for delivering pressure liquid from said housing to said turbine nozzle.

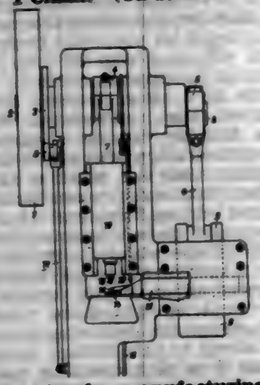
20. For use in a tank cleaning device of the class described, a nozzle unit embodying: a hollow axle; a bearing flange on the inner end of said hollow axle; a hub member on said hollow axle; a bearing nut on the outer end of said hollow axle; anti-friction bearings interposed between said bearing flange, said bearing nut and said hub member; flange means on the outer end of said hub member; and a nozzle member secured to said flange means, said nozzle member having a central opening communicating with the passage through said hollow axle.

2,029,796
VIBRATION DAMPENER
François Marie Michel Bernard Salomon, Paris, France
Application November 21, 1934, Serial No. 754,120
In France November 29, 1933
7 Claims. (Cl. 74—574)



1. An arrangement for protecting rotary shafts against speed oscillations, vibrations and jerks due to disturbing forces comprising a fly wheel, means for securing said fly wheel to said shaft, a plurality of rigid parts rigidly carried by the fly wheel and provided with convex guiding surfaces, a plurality of rigid masses independent from one another and from the shaft and provided with a contact surface adapted to bear against the guiding surface of a corresponding rigid part, said masses being adapted to rock with very slight friction over the guiding surface of the corresponding rigid part under the opposite action of the disturbing forces and of the centrifugal forces applying the contact surfaces of the masses against the guiding surfaces of the rigid parts.

2,029,797
APPARATUS FOR THE MANUFACTURE OF CUPS FROM WHICH CARTRIDGE CASES CAN BE COLD DRAWN
Emile Sautier, Ensisheim, France, assignor to Manufacture de Machines du Haut-Rhin S. A., Mulhouse-Bourtzwiller, Haut-Rhin, France
Application August 24, 1934, Serial No. 741,273
In Switzerland September 16, 1933
1 Claim. (Cl. 29—34)



In an apparatus for manufacturing cups from which cartridge cases may be cold drawn the combination of a framing comprising a table portion provided with guides for a horizontal slide and with two vertical perforations one the feeding conduit of the work piece the other the ejecting conduit for the punched article and an upright portion with guides for vertical slides, a horizontal slide, as mentioned, carrying a pivotally held insertion finger and ending in the upper part of a shearing knife, an annular knife forming the lower part of the shearing and sunk in the table portion as the orifice of said feeding conduit, a die forming the orifice of said ejecting conduit, a first vertical slide adapted to operate the horizontal slide by means of a cam groove as guide for a roller held by the horizontal slide and of toggle members, a second vertical slide, provided with punching means, a crank shaft mounted in the upright portions of the frame and provided with eccentrics for working said vertical slides, a pin combined with another eccentric and adapted to assist said insertion finger in conveying the shorn off blanks to the die, and a ejecting device combined with further eccentrics and adapted to remove the punched articles.

2,029,798
HOSE COUPLING THREAD TERMINUS INDICATOR
John C. Scholkin, Wooster, Ohio
Application April 20, 1934, Serial No. 722,076
1 Claim. (Cl. 285—45)

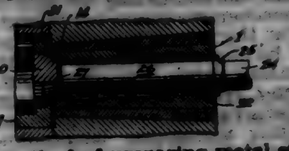


A threaded hose coupling having wrench engaging lugs of conventional type with the ends of the threads on mating parts co-axial with one of the lugs on each part, and having indicating means on said lugs for showing the proper positioning of the parts for quick threaded engagements.

2,029,799
PROCESS FOR PRODUCING TETRAZOLES OF THE CAMPHOR GROUP AND PRODUCTS THEREFROM
Karl Friedrich Schmidt, Ludwigshafen-on-the-Rhine, Germany, assignor to E. Bilhuber, Inc., Jersey City, N. J., a corporation of New Jersey
No Drawing. Application July 17, 1934, Serial No. 735,631. In Germany July 22, 1933
7 Claims. (Cl. 260—44)

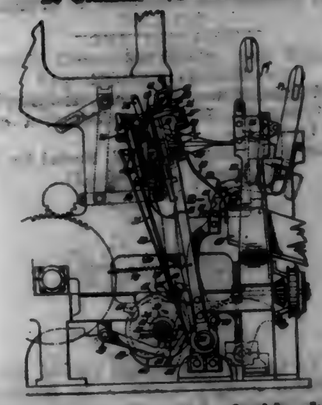
1. As a new product, a camphor-group tetrazole having the appearance of a colorless crystalline powder easily soluble in most organic solvents, soluble in water and of strong analeptic action.

2,029,800
METHOD OF PREPARING METAL STOCK AND APPARATUS THEREFOR
Richard L. Templin, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 22, 1934. Serial No. 731,877
5 Claims. (Cl. 78—82)



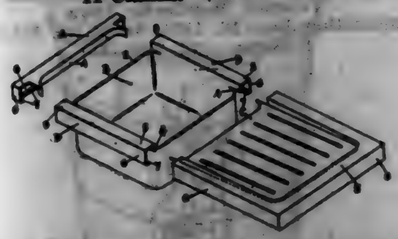
1. In the method of preparing metal stock the step which comprises upsetting a metal billet by forces acting parallel to the longitudinal axis thereof while restricting the flow of metal in a lateral direction to cause the said billet initially to assume at one end a form of increased cross sectional area while initially retaining its original form throughout the major portion of its length, and allowing the initial increase in cross sectional area to progress throughout the length of the billet until it has assumed an upset form of increased cross sectional area throughout substantially its entire length.

2,029,801
SHUTTLE CHANGING LOOM
Lewis S. Vose, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application August 9, 1934, Serial No. 739,097
20 Claims. (Cl. 139—230)



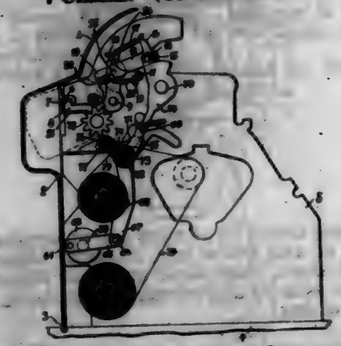
1. In a shuttle changing double shuttle loom having two active shuttles which are picked together, means to eject both active shuttles on the same shuttle changing operation of the loom, mechanism to place two reserve shuttles into action to replace the ejected shuttles, and means to prevent operation of the mechanism if either active shuttle fails to be ejected.

2,029,802
SINK AND DRAINING BOARD, PARTICULARLY FOR DOMESTIC USE
Owen Thomas Webber, London, England
Application August 11, 1934, Serial No. 739,477
In Great Britain July 6, 1934
11 Claims. (Cl. 4—189)



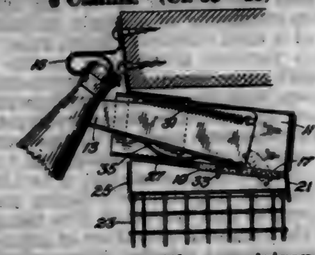
1. An integral metal sink and draining board unit built up of a number of parts welded together which comprise an end fillet member, at least one self contained sink and a draining board interchangeable with said end fillet member each provided with an edge of such configuration as to engage and partially interlock with a corresponding edge of an adjacent part and welded together at said edges.

2,029,803
LOCKING MECHANISM
Albert S. Wheelbarger, Dayton, Ohio, assignor, by mesne assignments, to Central United National Bank, Cleveland, Ohio, as trustee
Application September 23, 1931, Serial No. 564,555
7 Claims. (Cl. 225—139)



1. In a register, a totalizer, a door, serving as a closure for said totalizer, operating means for said totalizer, means controlled by said operating means to lock said door when the register is operated, a printer, and means controlled by the printer to unlock said first mentioned means when the printer is actuated.

2,029,804
DEVICE FOR CATCHING CROWN CORKS AND LIKE BOTTLE-CLOSURES
Frank Edward Williamson, Reigate, England
Application December 12, 1934, Serial No. 757,222
In Great Britain February 23, 1934
6 Claims. (Cl. 85—46)

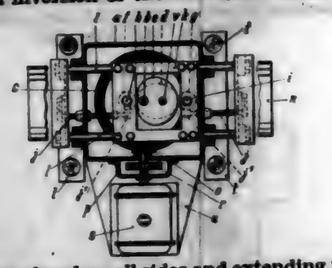


6. A device for use with a contrivance for removing bottle-closures, comprising an inclined chute in two telescopic parts and opening at its lower end for discharge to a receptacle, one part being a fixture and the rear end of the other part being slidably guided in it, resilient means acting between the two parts to cause the said other part to project from the said one part, and resilient means arranged to support the front end of the said other part.

2,029,805
SHAKING CONVEYER
Friedrich Appelberg, Bochum, Germany, assignor to Gebrueder Eickhoff, Maschinenfabrik und Eisengiesserei, Bochum, Germany
Application August 9, 1934, Serial No. 739,190
In Germany August 24, 1933
3 Claims. (Cl. 198—220)

1. A shaking conveyer comprising a prime mover, a vertical shaft adapted to be driven thereby, two cam disks rigid to said shaft, a member co-operable with said cam disks and adapted to transmit their rotary motion to the

conveyer trough as reciprocating motion, antifriction rollers interposed between said cam disks and transmitting members and adapted to be interchanged relatively to said cam disks in order to obtain inversion of the conveying direction, a



flat casing closed on all sides and extending transversely of and below said conveyer trough, said vertical shaft, cam disks and said transmitting member with its antifriction rollers being lodged in said casing.

2,029,806
OBJECTIVE
Ludwig Bertele, Dresden, Germany, assignor to the firm Carl Zeiss, Jena, Germany
Application May 29, 1935, Serial No. 24,038
In Germany July 8, 1932
3 Claims. (Cl. 88—57)



1. A rapid objective comprising six lenses arranged in axial alignment in three groups separated from one another by two air spaces, the first group consisting of a single collective front member of a high refractive index glass, the second group forming a meniscal middle member consisting of three lenses cemented together with the negative bounding surface facing the image and having an axial thickness greater than one quarter and less than one half of the focal length of the objective, and the third group forming a collective rear member consisting of two lenses cemented together with the lens facing the image being dispersive and the other lens being collective, and the radius of curvature of the cemented surfaces of said rear member being smaller than half the focal length of the objective, and said cemented surface being concave toward the object.

2,029,807
METHOD OF HEAT TREATING WELDED CONTAINERS
Harry S. Blumberg, New York, N. Y., assignor to M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
No Drawing. Application January 9, 1934, Serial No. 705,979
3 Claims. (Cl. 148—21.5)

1. The method of heat treating an electric arc welded chrome alloy steel container whose base metal is a chromium steel containing from 4% to 6% of chromium and the remainder exclusive of carbon and impurities of iron and whose weld metal is an austenitic chromium-nickel-iron alloy of low carbon content that includes as a constituent thereof an element taken from the group of titanium, columbium and tantalum of greater carbide forming tendency than chromium in such an amount as to combine with substantially all of the carbon in the weld metal which comprises heating the container to a temperature at which recrystallization takes place in the base metal and solution of carbides takes place in the weld metal, holding the container at this temperature for a sufficient length of time to allow the changes in the base metal to proceed to practical completion, slowly cooling the container to a temperature below the critical range of the base metal at a controlled rate to promote the attainment of the fully annealed condition by the base metal and to precipitate the carbides in a harmless state in the weld metal, reheating the container to a temperature below the critical range of the base metal but substantially approaching the critical range of the base metal, holding the container at the temperature to which it is reheated for a length of time to enable the base metal to approach final equilibrium state, and cooling the container to ordinary temperature.

2,029,866
WOOD FLOOR
Frank E. Bruce, Memphis, Tenn., assignor to E. L. Bruce Company, Memphis, Tenn., a corporation of Delaware
Application September 10, 1934, Serial No. 743,459
6 Claims. (Cl. 20—7)



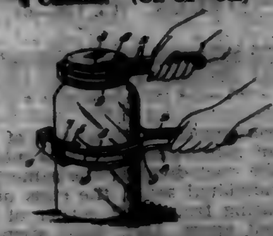
1. A wood floor laid on a substantially permanently plastic mastic, an expansion space for the floor, an expansion joint, in the expansion space, of plastic material which is sufficiently stiff at normal temperatures to hold the floor from sliding out of place, and sufficiently plastic to permit movement of the floor by flowing under the sustained pressure due to expansion of the wood from moisture absorption, the material of the expansion joint being substantially stiffer than the mastic in which the floor is laid, under the conditions of use in the floor.

2,029,869
JAR LIFTER
William F. Connelly, Farley, and William F. Yeoman, Monticello, Iowa
Application June 18, 1934, Serial No. 731,189
1 Claim. (Cl. 294—28)



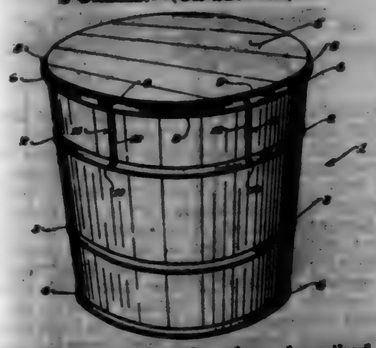
An implement of the character described comprising companion members each formed from a strand bent intermediate its length to form a bridge having arms extending from its ends, the arms being bent intermediate their ends to form jaws having shanks extending diagonally therefrom, a handle extending between and carried by each pair of shanks, said members being disposed in crossed relation to each other with one member extending between the arms of the other member, the arms of the inner member being each crimped inwardly to form a U-shaped portion at the junction of its jaw and shank forming portions and the arms of the outer member having their intermediate portions offset inwardly and at the junction of their jaw and shank forming portions being crimped outwardly to form U-shaped portions engaged through the U-shaped portions of the arms of the inner member to pivotally connect said members.

2,029,810
JAR HOLDER
William F. Connelly, Farley, and William F. Yeoman, Monticello, Iowa
Application June 18, 1934, Serial No. 731,181
4 Claims. (Cl. 81—3.1)



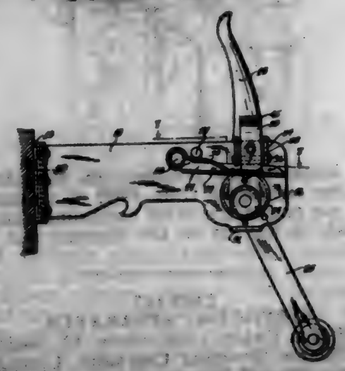
1. A jar holder comprising a pair of members each formed of a single strand doubled upon itself between its ends and presenting straight handle sections and arcuate jaw sections terminating in oppositely extending studs, and a link having openings to be engaged by said studs whereby the cooperating members will be connected.

2,029,811
COVER RETAINING MEANS
Elmer M. Davis, Chicago, Ill., assignor to Swift and Company, Chicago, Ill., a corporation of Illinois
Application February 27, 1932, Serial No. 595,574
5 Claims. (Cl. 217—59)



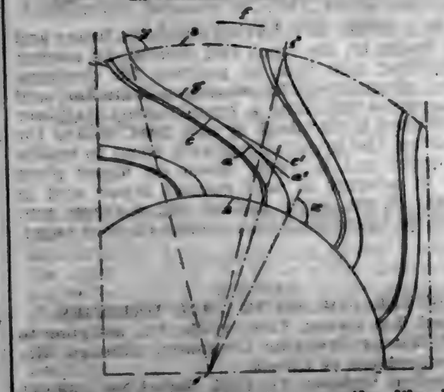
1. In a container of the class described, fastening means comprising a perforated depending skirt rigidly affixed to the cover of said container and overhanging the outer side thereof and a perforated hoop rigidly affixed to the outer wall of said container spaced from and below said depending skirt and wire ties passing through the perforations in said depending skirt and the said perforations in said hoop.

2,029,813
CAN OPENER
Harry L. Dasey, St. Louis, Mo., assignor to Dasey Churn & Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application August 16, 1934, Serial No. 740,038
4 Claims. (Cl. 30—3)



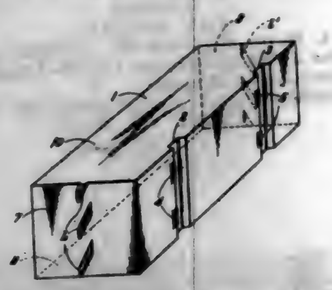
1. A can opener including in combination a base plate, a blade spaced from the plane of the base plate, a feeder roll mounted for rotation in a plane between said blade and base plate, and means rockingly mounting said blade on the base plate, including laterally projecting elements on said base plate and blade, and a pin pivotally connecting said elements, the blade being thereby adapted to rock in a direction away from the feeder roll.

2,029,812
GUIDING VANE FOR FANS OR THE LIKE
René De Mey, Brussels, Belgium
Application October 23, 1933, Serial No. 694,861
In France and Germany October 25, 1932
12 Claims. (Cl. 230—114)



1. A guide vane for fans or the like having an inlet edge as viewed from the front (that is to say in the direction of advance of the fluid along the axis of rotation) of curved form and inclined in the direction of rotation of the associated blade and said edge approaching and joining the peripheral line of the vaning by a portion reaching the said periphery at an angle of incidence of the order of 90°.

2,029,814
BRICK
Frank B. Dunn, Conneaut, Ohio
Application October 9, 1933, Serial No. 692,749
11 Claims. (Cl. 94—14)



1. A brick having a diagonally extending lug projecting outwardly from each of its ends, the lug on one end of the brick extending diagonally oppositely to the lug on the opposite end of the brick.

2,029,815
DREDGING APPARATUS
Willard Rea Ewing, Libertyville, Ill., assignor to McWilliams Dredging Company, Chicago, Ill., a corporation of Illinois
Application August 18, 1934, Serial No. 740,475
8 Claims. (Cl. 37—67)



6. In a dredge boat having a gallows frame and an A frame on the front end thereof, an anchor for holding said boat in position for dredging and an arrangement for moving said anchor, said arrangement including a boom having its lower end pivoted to the deck of said boat, means for supporting the upper end of said boom to enable said upper end to swing about an upper pivot point in advance of said gallows frame and in the rear of the upper end of said A-frame and means for supporting said anchor on said boom.

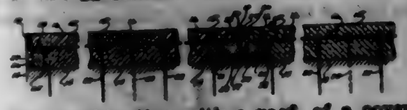
2,029,816
CUTTER FOR HYDRAULIC DREDGES
Willard Rea Ewing, Libertyville, Ill., assignor to McWilliams Dredging Company, Chicago, Ill., a corporation of Illinois
Application October 17, 1934, Serial No. 748,681
5 Claims. (Cl. 37—67)

2. In a hydraulic dredge having a pump, a cutter comprising a number of blades fixed to each other and arranged to rotate about a common axis, and non-fouling guards on said blades for preventing logs, stumps and debris from interfering with the operation of said blades or said pump, each of said guards consisting of a solid member rigidly secured to the outside of a blade and extending from a point near the cutting edge of the blade to a point some distance in the rear



of said blade, the outer and rearward portion of said member being curved.

2,029,817
ROOF COVERING
Donald B. Fegles, Minneapolis, Minn.
Application December 5, 1932, Serial No. 645,639
11 Claims. (Cl. 189—6)



1. The combination with a roof, of a covering for the roof comprising sectional metallic joint strips on the roof dividing the same into a plurality of individual areas, the ends of the joint strips radiating from each corner of each area being spaced apart, each joint strip having a pair of legs laterally spaced apart, a slab of cementitious material cast in each area, and means for closing the voids between the ends of the joint strips at their lines of intersection, comprising connecting members having channel shaped arms telescoping with the laterally spaced legs of said joint strips, whereby each slab is free for expansion or contraction in all directions independent of adjacent slabs.

2,029,818
DOOR OPERATING MECHANISM
Burritt G. Fleming, Columbus, Ohio
Application March 22, 1934, Serial No. 716,823
4 Claims. (Cl. 262—56)



1. In door operating mechanism, a door movable between positions of doorway opening and closure, a releasable device for retaining said door in its position of closure, means connected with said door and operable upon the release of said device to move said door automatically to its position of doorway opening, door closing means including a drum, a cable connected at one end with said drum and at its other end with said door, a pair of spaced guides around which the intermediate portion of said cable is trained, a vertically movable weight member provided with a guide for engagement with said cable between said spaced guides, means operable upon the rotation of said drum to clamp the intermediate portion of said cable against longitudinal movement whereby to effect the elevation of said weight member and to retain said weight member in its elevated position, and remotely controlled release means for releasing said weight member, drum rotation and cable clamping means, whereby to utilize the descent of said weight member through said cable to effect the closing of the door.

2,029,819
DIFFERENTIALLY HEAT-TREATED CAST STEEL WHEEL
Alfred W. Gregg and Raymond H. Frank, Columbus, Ohio, assignors to The Ramney-Floyd Company, Columbus, Ohio, a corporation of Ohio
No Drawing. Application July 5, 1933, Serial No. 679,276
2 Claims. (Cl. 295—37)

1. A cast steel wheel possessing differentially hardened tread and axle regions and formed from the following ingredients in substantially the relative proportions given:

	Percent
Carbon	.25 to .40
Manganese	.90 to 1.50
Molybdenum	.20 to .40
Chromium	.10 to 1.00
Silicon	.20 to .50

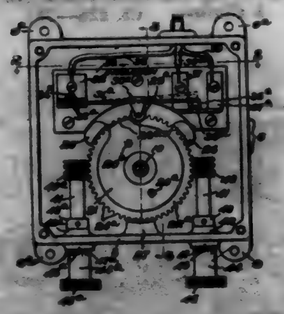
the balance being iron with the exception of incidental impurities such as phosphorus and sulphur.

2,029,820
TIE FOR EXTENSION TRACKWAYS
Lloyd E. Harvey, Logan, Ohio, assignor of one-half to James H. Keith, Gloucster, Ohio
Application July 19, 1933, Serial No. 681,151
3 Claims. (Cl. 238—10)



1. Rail holding means for extension trackways comprising a bar, inner and outer clamps mounted upon each end of said bar, each of said clamps being formed to provide an elongated body mounted on the upper surface of said bar, said body terminating in a rail-engaging head having a shoulder for abutment with the longitudinal edge of the base flange of a rail seated in a normal upright position on said bar, said head being additionally provided with a vertical flange disposed to directly engage the inner surface of a vertical web of a rail and an intermediate shoulder disposed between said first-named shoulder and said flange, said intermediate shoulder being shaped to receive the head of a rail disposed in an inverted position with the ball thereof in engagement with said bar, and means for securing said clamps in holding engagement with rails mounted on said bar.

1,629,831
CIRCUIT CONTROLLER
Edgar F. Hathaway, Wellesley, and Walter Bixby, Dorchester, Mass.
Application October 25, 1924, Serial No. 749,938
11 Claims. (Cl. 200—47)



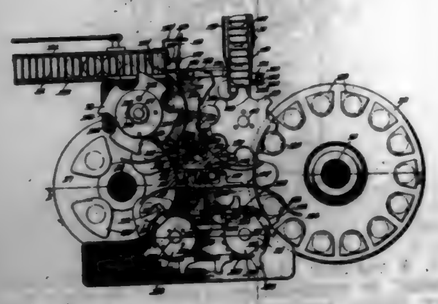
1. A variable circuit-controlling switch comprising, in combination, a switch housing, a rotary driven element therein, an eccentric fast on said element, an inner gear rotatably mounted on the eccentric, a ring gear surrounding said gear and having an internal series of teeth engageable with said inner gear and also having an external series of teeth, positioning means for the ring gear, a worm meshing with said external teeth of the ring gear to hold it stationary or adjustably to turn it, a movable contact element in the circuit to be controlled, a rotary cam adapted to control said contact to make or break the circuit, positive coupling means between the inner gear and said cam, and adjusting means to turn said worm thereby to vary the contact-controlling position of the cam.

2,029,821
BOLSTER
William C. Hedgcock, Wilmette, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 23, 1931, Serial No. 510,596
14 Claims. (Cl. 105—230)



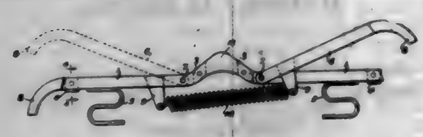
1. In a bolster, the combination of top and bottom chords and connecting side walls forming substantially a box section, a center bearing on the upper of said chords, a center post connecting said chords, side bearings on the upper of said chords spaced from said center bearing, lightening holes in said upper chord intermediate the center and side bearings, struts adjacent said side bearings and connecting said chords, aligned apertures in the spaced side walls intermediate the upper and lower chords and between said lightening holes and said struts, said struts each having a brace extending longitudinally of said bolster and depending from said upper chord, the lower edge of each of said braces merging into its respective strut adjacent the top thereof and disposed wholly above said apertures whereby said apertures are adapted to permit the unrestricted passage of brake rigging through the bolster.

2,029,823
FILLING AND CLOSING MACHINE
George J. Huntley and John S. Bartley, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application July 28, 1932, Serial No. 625,455
8 Claims. Cl. 226—75)



1. In a receptacle filling and closing machine, a rotary filling mechanism, a rotary closing mechanism, an endless conveyor for moving receptacles from the filling mechanism to the closing mechanism, said conveyor moving about vertical axes and arranged to move receptacles in a substantially straight line from the filling mechanism to the closing mechanism, the position of said conveyor with respect to the filling and closing mechanisms being adjustable to accommodate receptacles of various diameters.

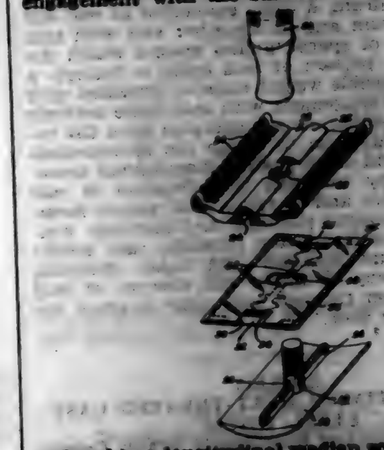
2,029,824
BUMPER
William B. La Pointe, Los Angeles, Calif., assignor to Louis R. Hildreth, Columbus, Ohio
Application June 11, 1934, Serial No. 729,990
9 Claims. (Cl. 293—55)



1. A bumper comprising an intermediate member composed of spaced sets of spaced superimposed horizontal bars, end members, each end member having thereon a pair of spaced bars pivoted between the sets of spaced bars, each pair of bars having thereon a lug, and a spring acting on the lugs to hold the pairs of bars together.

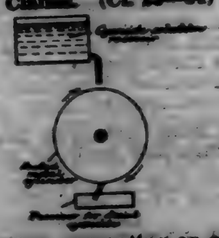
2,029,825
PROTECTED BLADE FOR SAFETY RAZORS
Felix J. Lewando, South Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application August 15, 1933, Serial No. 685,236
10 Claims. (Cl. 30—90)

1. A protected safety razor blade having cutting edges and an internal slot of substantially the same length as said edges, and a uniformly flexible protective cover maintained in slipping engagement with the surface of the blade and



reduced in a longitudinal median zone to a length not greater than the length of the said slot.

2,029,826
DEHYDRATION OF SOLUTIONS
Alexander Douglas Macallum, Niagara Falls, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, a corporation of Delaware
Application May 4, 1931, Serial No. 535,006
12 Claims. (Cl. 23—94)



1. A process for evaporating an aqueous solution of a substance which tends to hydrolyse at elevated temperatures, comprising bringing said solution into contact with a heating means maintained at a temperature above the boiling point of said solution at such rate that said solution is substantially instantaneously evaporated to dryness before substantial decomposition of said substance occurs and the pressure during the evaporation being such that the temperature of the evaporating solution is maintained above the temperature at which substantial hydrolysis would normally occur.

2,029,827
MACHINE FOR CONTINUOUSLY INSERTING BOTTOMS AND LIDS IN FINISHED VESSEL WALLS OF PAPER, CARDBOARD, AND THE LIKE
Christian Major, Tubingen, Germany
Application September 26, 1934, Serial No. 745,586
In Germany February 2, 1933
20 Claims. (Cl. 93—55)

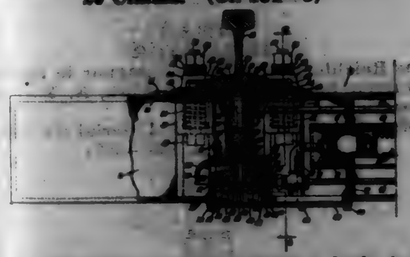
1. A machine for continually inserting bottoms and lids in finished hollow bodies made of paper, cardboard and the like, comprising in combination drawing presses for said lids and bottoms, separate, heated drying channels leading out from each of said presses, an assembling machine at the other end of said drying channels, means for conveying said lids and bottoms separately

through said channels to said assembling machine at an adjustable speed exceeding that of the assembling machine to store lids and bottoms in said channels for maintaining a feed of lids and bottoms to said assembling machine even in the case of interruption in the working of said lid and bottom drawing presses, a machine for winding the hollow bodies of paper, cardboard or the like, a drying chamber extending from said winding machine, a feed channel for the wound hollow bodies leading from said drying chamber to said assembling machine, means for separately conveying the wound hollow bodies from said



winding machine through said drying chamber to said feeding channel connected to said assembling machine adapted to receive the finished vessels from said assembling machine, a heated conveyor adapted to deliver the sterilized vessels from said steriliser to a known filling machine, a hot air pipe leading to said steriliser, branch pipes leading from said steriliser to said drying chamber and said drying channels, and a fan adapted to draw hot air through said hot air pipe into said steriliser and force it through said branch pipes into said drying chamber and drying channels.

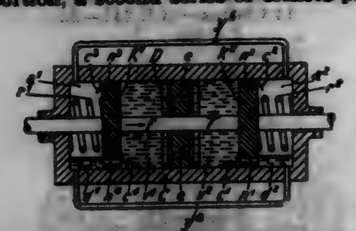
2,029,828
RAIL LUBRICATOR
Robert S. Measie, Montclair, N. J.
Application July 7, 1931, Serial No. 549,266
20 Claims. (Cl. 184—3)



1. A rail lubricator comprising a body in the general form of a tie serving to connect and support the rails of a track, and actuating means principally within said body adapted to be operated by the passage of rolling stock along said rails to feed lubricant from said body to one of said rails.

2,029,829
SYSTEM FOR ENSURING FLUID-TIGHTNESS FOR HORIZONTAL HYDRAULIC CYLINDERS
George Louis René Jean Mesnier, deceased, late of Paris, France, by Yvonne Lucie Mesnier, born Bonnamy, administratrix, Paris, France,
Original application May 6, 1933, Serial No. 669,771. Divided and this application March 15, 1934, Serial No. 715,767. In France May 10, 1932
4 Claims. (Cl. 188—88)

1. A fluid-tight hydraulic device capable of operating as a shock absorber, comprising: a cylinder, a rod passing through this cylinder, two pistons rigid with said rod and having a sliding fit relative to the cylinder to ensure of fluid tightness therebetween, a liquid filling the cylinder between the pistons, a first series of orifices passing through each of said pistons at their lower portion, a second series of orifices passing

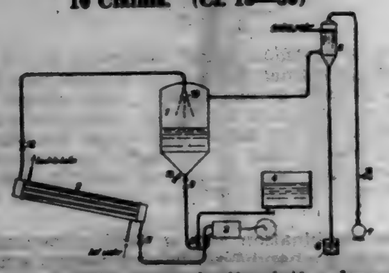


through each of the said pistons at their upper portion, a flap valve on the inner face of each piston opening toward the center of the cylinder opposite each of the lower orifices, and a flap valve on the outer face of each piston opening away from the center of the cylinder opposite each of the upper orifices.

2,029,830
PREPARATION OF DYESTUFFS OF THE TRIPHENYLMETHANE SERIES AND RELATED SUBSTANCES
Avery A. Morton, Watertown, and Joseph E. Stevens, Cambridge, Mass.
No Drawing. Application March 12, 1931, Serial No. 522,180
7 Claims. (Cl. 260—57)

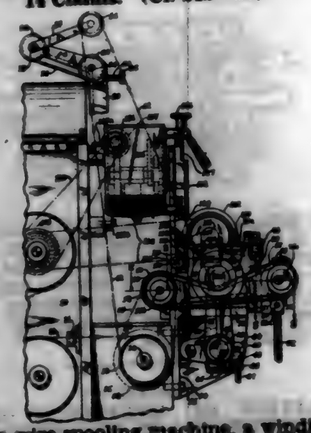
1. The condensation in the presence of an alkali metal of a compound containing a carbonyl group of the class of esters, acid chlorides, anhydrides, quinones and ketones with a halide of a tertiary aryl amine which is N-di-substituted by two radicals from the class consisting of alkyl and aryl hydrocarbon radicals.

2,029,831
PROCESS FOR CONCENTRATING RUBBER LATICES
Alfred Eduard Petersen, Frankfort-on-the-Main, and Wilhelm Genscake, Gonsenheim, near Frankfort-on-the-Main, Germany, assignors to Metallgesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
Application May 6, 1932, Serial No. 609,660
In Germany May 9, 1931
10 Claims. (Cl. 18—59)



1. A process for concentrating latices by evaporation, which comprises heating the latex to be concentrated whilst avoiding the formation of steam and introducing said latex in a state presenting a large surface, into a vacuum evaporator at a temperature which is higher than the boiling temperature of the latex under the pressure prevailing in the evaporator.

2,029,832
BELT DRIVEN WIRE SPOOLER
William D. Pierson, Waterbury, Conn., assignor to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn., a corporation of Connecticut
Application February 19, 1932, Serial No. 594,044
14 Claims. (Cl. 242—25)



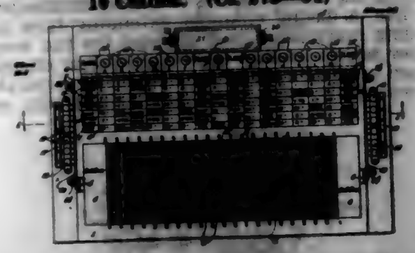
1. In a wire spooling machine, a winding spool, a driving shaft, a swinging cradle member pivoted at one end on said shaft, a driving pulley fixed upon said driving shaft, an idler pulley mounted on the free end of said cradle member, an endless belt connecting said pulleys, the width of said belt being substantially less than the width of said spool, said spool being located intermediate said pulleys, and means for traversing said belt across the width of said spool.

2,029,833
WEEDER AND SEEDER
George Pirich, Minneapolis, Minn.
Application August 13, 1934, Serial No. 739,587
1 Claim. (Cl. 111—95)



The combination with a weed-extracting tool comprising a handle-acting stem and an arm projecting from one end of the handle in outwardly diverging relation to the axis thereof and having its free end portion outwardly offset to afford a backwardly diverging rake-acting head, of a seed magazine terminating in a nozzle arranged to discharge along the rear face of the diverging arm and onto the rear face of the backwardly diverging rake head.

2,029,834
ELECTRICALLY OPERATED GAME APPARATUS
James M. Prentice, Holyoke, Mass., assignor to The Electric Game Company, Holyoke, Mass., a corporation of Massachusetts
Application February 1, 1930, Serial No. 425,138
10 Claims. (Cl. 273—94)



1. In an electrically operated football game, comprising, a board member, a field of play indicated thereon, intersecting lines on the board member forming spaces, the plays of the game being indicated in the said spaces, the spaces being arranged in groups and each group being designated by a letter or other character, a series of numbered contacts at each end of the said board for each player, electrical means adjacent the group character for indicating a play or plays of both designated group when any one contact of both of said series is operated simultaneously, an accompanying reference chart having said designated group characters thereon corresponding for each play of a group to be made and having numerals corresponding to said series of numbered contacts, means on the board for concealing or shielding the numbered contacts from each player, and electrical connections between the numbered contacts and the group indicating means.

2,029,835
APPLICATOR
Hans Reichle, Bronx, N. Y., assignor to Northam Warren Corporation, New York, N. Y., a corporation of New York
Application September 8, 1934, Serial No. 743,187
1 Claim. (Cl. 128—269)



An applicator for distributing body deodorant or the like upon flat skin surfaces, comprising: a handle member, a broad, rigid, double-faced blade carried by said handle member and constituting therewith a paddle-like structure, and well means in said blade for holding a quantity of lotion and automatically feeding the same to either face of said blade when brought into flat contact with the skin surface to be coated, said well means consisting of a plurality of parallel non-communicating bores each having a diameter of approximately one-twelfth of one inch and extending completely through said blade from face to face thereof so as to be individually chargeable by simple immersion of the blade in

lotion and automatically gradually dischargeable by flat contact of either blade face with the skin surface to be treated.

2,029,836
MOLDING COMPOSITION AND MOLDED ARTICLES MADE THEREFROM
Kurt Ripper, Vienna, Austria
No Drawing. Application September 27, 1929, Serial No. 395,750. In Austria October 17, 1928
17 Claims. (Cl. 260—3)

1. The process of making condensation products which consists in reacting with formaldehyde upon thiourea and urea in combination in an acid solution of a hydrogen ion concentration corresponding to the value pH=3, the thiourea and urea being present in equimolecular proportions and the formaldehyde being employed in a ratio of 1½ molecules to 1 molecule of each of the two other starting substances (thiourea and urea), and heating the mixture until there is effected the formation of a hydrophobe mixed condensation product which separates from a sample of the reaction mixture on cooling.

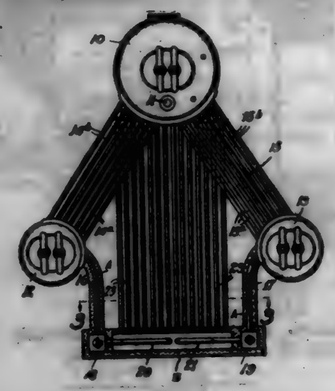
2,029,837
BLOW-OFF VALVE
John V. Schmid, Philadelphia, Pa.
Application November 2, 1929, Serial No. 404,218
Renewed June 27, 1935
26 Claims. (Cl. 251—89)



1. In a valve, a body having an inlet and an outlet, a control member in said body arranged to open and close communication between said inlet and said outlet, manually operated means for non-rotatably moving said control member axially relative to said body, and means actuated by said moving means for imparting a rotary movement to said control member near the end of its axial movement in valve opening direction.

2,029,838
STEAM GENERATOR
Henry J. Schneider, Quincy, Mass.
Application April 24, 1933, Serial No. 667,554
7 Claims. (Cl. 122—329)

1. A boiler comprising a substantially horizontal upper drum, two lower smaller substantially horizontal drums defining the upper lateral boundaries of a fire-box, a multiplicity of water tubes connecting respective lower drums to said upper drum, a multiplicity of water tubes extending downwardly from respective lower drums and defining a foundation for the sides of a fire-box, water tubes communicating with the last



named tubes arranged in the base of the fire-box, and a multiplicity of water tubes arranged in the back wall of the fire-box and communicating with the tubes in the base of the fire-box and the upper drum.

2,029,839
MACHINE GUN
Reginald F. Sedgley and Martin Wurser, Philadelphia, Pa.
Application April 27, 1933, Serial No. 668,186
8 Claims. (Cl. 89—2)

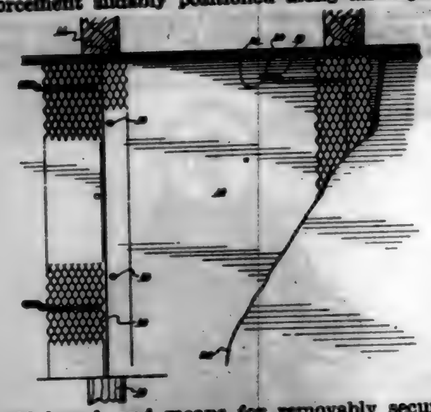


1. In an automatic gun, including a breech block and sear, of an impact member carried by said breech block, having limited relative longitudinal movement on said breech block, and advancing due to its momentum on the closing of the breech and means in the path of said impact member effective to actuate the sear and release the firing pin to render the gun automatic.

2,029,840
PLASTERBOARD REENFORCEMENT
Robert J. Sterling, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application December 10, 1934, Serial No. 756,774
6 Claims. (Cl. 72—124)

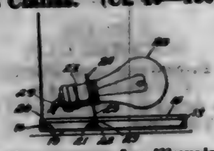
1. An article of manufacture comprising a building board, a strip of expanded metal reen-

forcement slidably positioned along an edge of



said board, and means for removably securing said strip to a face of said board.

2,029,841
ADVERTISING WINDOW ILLUMINATION
William Templin, Glen Ellyn, Ill., assignor to Briede & Rogovsky, Inc., Chicago, Ill., a corporation of Illinois
Application November 30, 1934, Serial No. 755,258
6 Claims. (Cl. 40—130)



6. Illuminating means for illuminating articles on display in a window, comprising a base adapted to be positioned in front of said articles, a lamp mounted on said base and a translucent replaceable combined reflector and advertising device formed of non-frangible fibrous material detachably secured to the base, said reflector having a front, top and ends but open at the back, and bearing display matter thereon.

2,029,842
BICYCLE WITH HORSE RIDING ACTION
Philip F. Thau, New York, N. Y.
Application December 14, 1934, Serial No. 757,435
6 Claims. (Cl. 280—34)



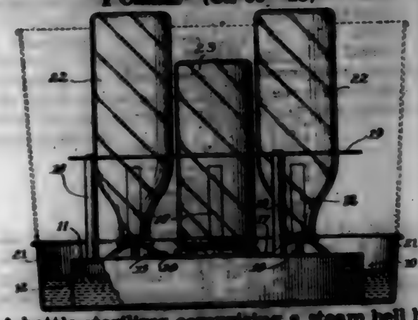
1. In a bicycle and the like with a horse riding action, a horizontal frame, a front steering wheel and mechanism mounted on the front thereof, a rear wheel support for the rear of said frame, a crank mechanism for driving the rear wheel support, a rear rod connected with said crank and extending at an inclination upwards, a front rod pivotally connected with the front of said frame and extending rearwards and upwards, and at the top end pivotally connected with the top of said rear rod, a seat on said rods, a substantially horizontal foot lever pivotally mounted intermediate of its ends on said frame, and a link substantially parallel to said rear rod and connecting the rear end of the foot lever with said front rod.

2,029,843
PERPETUAL CALENDAR RULER
Francis V. Toppin, Lyndhurst, N. J.
Application April 6, 1935, Serial No. 15,036
9 Claims. (Cl. 40—118)



1. A perpetual calendar ruler, comprising a ruler, a frame removably mounted thereon, a cover engaging said frame and formed with several window openings, several rollers mounted across each of the ends of said frame, several endless belts mounted between said rollers and printed or inscribed with perpetual calendar data and having portions thereof selectively viewable through said window openings, and means for moving said endless belts.

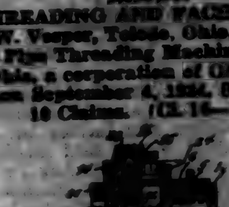
2,029,844
STERILIZER
Herbert H. Tyler, Berwyn, Ill., assignor of one-half to Charles A. Pipenhagen, Chicago, Ill.
Application January 18, 1934, Serial No. 706,579
1 Claim. (Cl. 99—18)



A bottle sterilizer comprising a steam bell having the general shape of an inverted open pan adapted to be placed in any boiling vessel to collect steam formed therein, a plurality of tubular nozzles projecting upwardly from said pan in spaced relation, and a bottle-supporting plate rigidly mounted upon said pan in spaced relation thereto, said plate having openings concentric with said nozzles adapted to permit inverted bottles to be applied to the sterilizer with the nozzles entering therefrom through the bottle necks and with the extremities of the bottles in contact with the pan, said pan being provided with upwardly bellied portions around each nozzle and said bellied portions being provided with radial ribs to provide free drainage of liquid from the inverted bottles.

2,029,845
GASKET FOR REFRIGERATOR CABINETS AND THE LIKE
Ethan W. Vare, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application January 30, 1935, Serial No. 4,166
10 Claims. (Cl. 20—69)

1. A gasket for refrigerator cabinets and the like comprising a longitudinal strip of resilient material having a resilient striking bead on one side thereof and extending along said resilient strip near one longitudinal edge thereof, the other side of said resilient strip being concave in cross-section when unstressed, and an anchoring bead extending along the other longitudinal edge of



said resilient strip for securing said strip to a cabinet structure, said longitudinal edge of said resilient strip near said striking bead forming a narrow seat under relatively high concentrated pressure for the edge of said gasket when positioned on the cabinet structure.

2,029,846
COUPLING
Edmund J. van Hemke, Chicago, Ill., assignor to American Electric Fusion Corporation, Chicago, Ill., a corporation of Illinois
Application January 2, 1934, Serial No. 705,943
2 Claims. (Cl. 285—96)



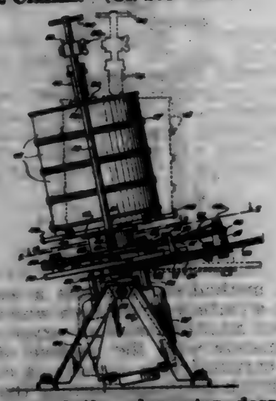
1. A hose coupling comprising a tubular compression nipple to receive a compressible hose end, said nipple having its inner surface threaded and tapered, with the larger diameter of the taper at the end of the nipple into which the hose is first inserted and with the smaller diameter materially less than the outside diameter of said hose end, whereby the nipple may be threaded on to said hose end and whereby said act of threading will progressively compress the hose end within the nipple and thereby reduce the inside diameter of the hose end, and a connection having threaded engagement with said nipple and also having an externally threaded tubular stem adapted to be threaded into said compressed hose end and of sufficiently large diameter to cause the threads of the nipple to bite into the compressed hose end in the nipple, the threads on said stem and on said inner surface of the nipple being of opposite hand.

2,029,847
THREADING AND FACING TOOL
William W. Vesper, Toledo, Ohio, assignor to The Toledo Pipe Threading Machine Company, Toledo, Ohio, a corporation of Ohio
Application September 4, 1934, Serial No. 742,611
10 Claims. (Cl. 10—129)



1. A frame including a pair of opposing rings, chasers for cutting a helical way on an article of work, each of said rings having outwardly extending grooves forming a series of seats engaged by the chasers for angularly fixing the rings as to each other, and relatively angularly shiftable facer cutting means held longitudinally of the work into operative position as to the work by the chasers' cooperation with the work.

2,029,848
VIBRATING SCREEN
William L. Wettlaufer, Buffalo, N. Y., assignor to The W. S. Tyler Company, Cleveland, Ohio, a corporation of Ohio
Application November 28, 1932, Serial No. 645,015
2 Claims. (Cl. 209—237)



1. Apparatus of the character described including a motor, a frame supported by said motor, a screen carried by said frame, means including said motor for vibrating said screen and means for pivotally supporting said assembly at a point between said motor and said screen so said frame and motor may be adjusted as a unit relative to said supporting means, whereby the angle of inclination of said screen may be varied at will, said motor serving to counterbalance the weight of said frame and screen.

2,029,849
WALKING TOY
Francis Reginald Bowman Whitehouse, Edgbaston, Birmingham, England
Application October 17, 1935, Serial No. 45,371
In Great Britain May 20, 1935
12 Claims. (Cl. 46—105)



1. A walking toy comprising front and rear body parts, surfaces on both of said body parts which are adapted to engage the ground or its equivalent, a pivotal connection between said body parts having a horizontal and transverse axis, and means for raising the forward end of

said front part so that the rear end of the latter is moved forwardly in relation to said rear part, said body parts being so arranged that said front part rocks forwardly on release and drags said rear part after it, whereby the toy as a whole is caused to progress forwardly with a walking action.

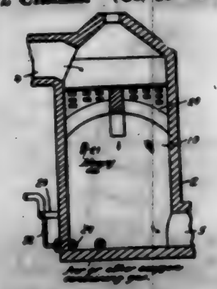
2,029,850

CARBURETTED WATER GAS PROCESS

Leslie Alvin Angus, Owosso, Mich., assignor to Semet-Solvay Engineering Corporation, New York, N. Y., a corporation of New York

Application May 26, 1932, Serial No. 613,657

2 Claims. (Cl. 48—205)



1. The method of operating a water gas set involving a carburetor through which are passed blast gases admixed with an oxygen-containing gas alternately with the passage of water gas which is enriched with oil forming carbonaceous deposits which comprises burning the blast gases in the carburetor during the blasting step and concurrently with the burning of the blast gases effecting removal of the carbonaceous deposits formed in a preceding water gas making step by introducing additional oxygen-containing gas in contact therewith and during the succeeding water gas making step adding oil to the water gas, the cracking of the oil in the water gas making step and the removal of the carbonaceous deposits being accomplished without the introduction of extraneous fuel into the carburetor and so as to avoid the maintenance of a substantial body of carbonaceous deposits therein.

2,029,851

PRODUCT AND PROCESS OF PREPARING SAME

James A. Arvin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 8, 1932, Serial No. 604,126

16 Claims. (Cl. 134—26)

14. A coating composition containing a varnish solvent and the pentaerythritol ester of a monobasic carboxylic acid of the group consisting of unsaturated monobasic aliphatic carboxylic acids having at least 16 carbon atoms and having an iodine number of at least 120 and mixtures of said acids.

2,029,852

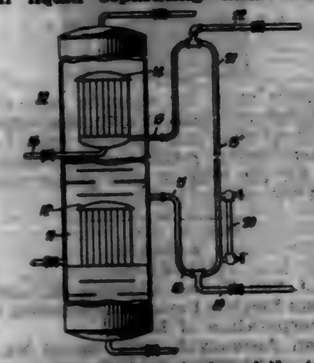
LIQUID TRAPPING DEVICE

Lyman A. Bliss, New York, N. Y., assignor to The Linde Air Products Company, New York, N. Y., a corporation of Ohio

Application December 22, 1932, Serial No. 648,622

3 Claims. (Cl. 302—163)

1. In a device of the character described, the combination with an apparatus including a liquid heating and vaporizing chamber having a vapor space and a second chamber located in heat exchanging relation with respect to the first chamber and adapted to receive vapor therefrom, of a passage member extending from an exit of the vapor space of said first named chamber to an inlet of said second named chamber, said passage member including a relatively vertically extending portion, a trap device at the base of said vertical portion disposed below said vapor exit and provided with a through passage for vapor and with liquid separating and withdrawing



means, and a second trap device at the top of said vertical portion and disposed above said inlet of said second chamber and provided with a through passage for vapor; said vertical portion of said passage member being of a length proportioned to provide a predetermined hydrostatic head and resistance against the rising of liquid therein when liquid tends to pass from the first named trap device into the second, said passage member and trap devices being arranged to provide a relatively free path for vapor passing from the vapor space of the first named chamber to said second named chamber.

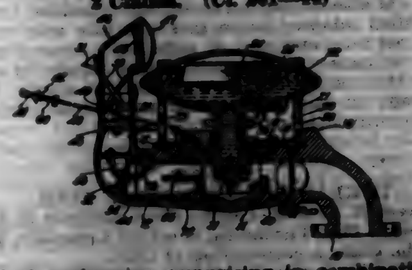
2,029,853

CARBURETOR

Vito Campanella, New York, N. Y.

Application July 18, 1935, Serial No. 31,961

2 Claims. (Cl. 261—44)



1. A carburetor comprising in combination a mixing chamber, a fuel reservoir mounted above said mixing chamber and having an outlet, a valve seat extending within said mixing chamber and having apertures extending through the walls thereof into said mixing chamber, a hollow valve member rotatably connected to the outlet of said reservoir and seated upon said valve seat, said valve member having outlet apertures therein for register with the first mentioned apertures to establish communication between said reservoir and said mixing chamber and for movement out of registration therewith, and manual actuating means for imparting turning movements to said valve member.

2,029,854

AUTOMATIC VARIABLE SPEED DRIVE FOR TEXTILE MACHINES

Ernest Cassidy, North Adams, Mass., assignor to The James Hunter Machine Company, North Adams, Mass., a corporation of Massachusetts

Application August 3, 1932, Serial No. 627,861

10 Claims. (Cl. 271—2.2)



1. In apparatus for operating on continuous material, in combination, means governing the forward feed of the material operating at spaced points in the length of the material, power-transmitting devices for such governing means including a drive-shaft, a pair of opposed cones yieldingly pressed toward each other and having their axis disposed so as to swing about the axis of the drive-shaft, a pulley actuating the governing means, a belt between the cones and the pulley, means controlled by the material between the said spaced points to swing the cones about the axis of the drive-shaft to change the spacing of the axis of the cones from that of the pulley, and means for driving the opposed cones from the drive-shaft.

2,029,855

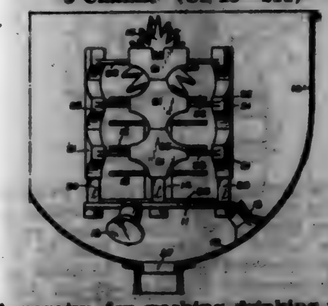
APPARATUS FOR WASHING DRINKING VESSELS

Cornelius Chambers, Shirley, Birmingham, England

Application March 16, 1934, Serial No. 715,868

In Great Britain December 16, 1933

5 Claims. (Cl. 15—211)



1. Apparatus for washing drinking vessels including a washing unit having a base, a central post on said base, inner washing elements on said post, spaced pillars on said base, outer washing elements on said pillars, each of said outer elements including a block of rubber having integral therewith a resilient projecting washing fin, and the outer elements on adjacent pillars being spaced sufficiently to accommodate a handle on a drinking vessel being washed.

2,029,856

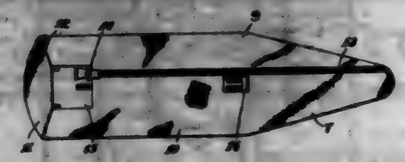
TABLE COVERING

Antoinette D. Gallotte, Wissinoming, Ill.

Application November 22, 1933, Serial No. 698,216

2 Claims. (Cl. 61—10)

1. A readily attachable and detachable covering comprising a body portion having edges forming marginal portions adapted to fit over and under the edges of a table and provide a placket between their abutting edges, said marginal portions permitting the covering to be applied to the table with said portions close together, a fastening element including a slidable clip cooperating with a single group of pin fastener elements ex-



tending without interruption throughout the length of the placket for drawing the covering snugly about the table, one of the marginal portions being provided with an opening separated from said placket whereby to accommodate a removable brace element which is adapted to be applied to the underside of the table through said opening after the cover is in place.

2,029,857

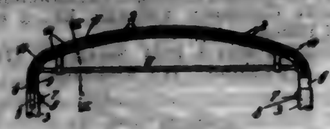
TROLLEY SYSTEM

Ottmar Conradty, Nuremberg, Germany, assignor to C. Conradty, Nuremberg, Germany, a firm

Application October 25, 1933, Serial No. 695,112

In Germany October 27, 1932

3 Claims. (Cl. 191—55)



1. A current-collector, comprising a standard-member, an upwardly arched collector-center-rod mounted on said member, said rod being longitudinally slitted to render it radially resilient, a carbon-contact member mounted on said rod, and means for tension-staying the ends of said rod toward each other.

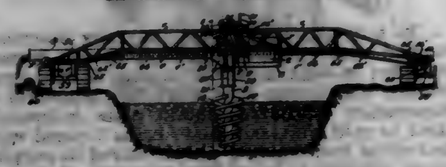
2,029,858

DREDGE

Boyden O. Couch, Grant, Fla.

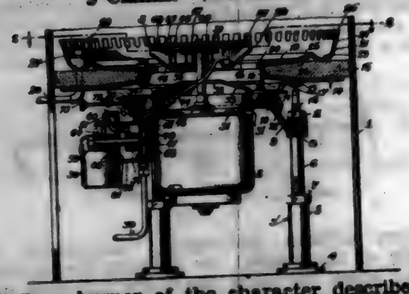
Application May 18, 1935, Serial No. 22,234

11 Claims. (Cl. 37—77)



1. In a dredging device, the combination comprising, a supporting frame adapted to rest on the banks of and to extend over and be moved along the watercourse to be dredged, an intake conduit or pipe movably carried on said frame and adapted to move longitudinally along the same, a water-circulating device in said conduit, power means connected with said circulating device, and a longitudinally movable discharge pipe connected with and extending from said intake conduit and along said frame to a point beyond one end thereof to afford the discharge of dredged material beyond the confines of said watercourse.

2,029,859
OIL BURNER
Frank Cosnell, Plainfield, N. J.
Application June 23, 1932, Serial No. 618,988
5 Claims. (Cl. 158—4)



1. In a burner of the character described, a fire ring having a grooved lower portion and an upstanding wall notched on the upper edge for forming a plurality of spaced heat radiating fingers, a centrally apertured heat insulating plate for supporting said fire ring, and a drain ring having a depending annular flange extending into the aperture in said plate and the periphery extending beneath the inner edge of said fire ring for draining excessive oil from the fire ring.

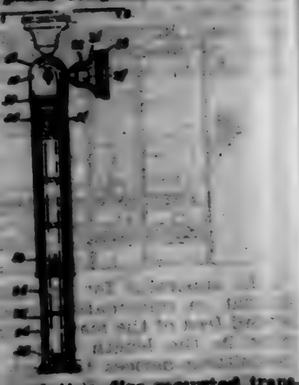
2,029,860
REFRIGERATOR DISPLAY CASE
Roland P. Daemicke, Chicago, Ill., assignor to The Daemicke Company, Chicago, Ill., a corporation of Illinois
Application May 5, 1934, Serial No. 724,091
3 Claims. (Cl. 62—89.5)



1. In a display case of the character described provided with refrigerating coils in the bottom embedded in a downwardly sloping slab of temperature conducting and retaining compound, a temperature conducting metal plate intimately sealed to said slab, said plate being formed with upstanding food holding ribs arranged in parallel spaced relation to provide a plurality of sloping air circulating passages therebetween, said ribs terminating short of the longitudinal edges of the plate and tapering into the main portion of the plate.

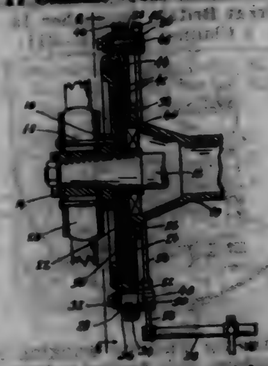
2,029,861
ADJUSTABLE HEAD FOR FLASHLIGHTS
William Dabgin, New York, N. Y.
Application March 22, 1935, Serial No. 12,283
6 Claims. (Cl. 240—10.67)

1. An adjustable head for a flashlight, comprising a casing having a cylindrical lower portion and a semi-sphere shell top portion formed with an elongated opening on a great circle extending from the top thereof to one side, a shutter within said casing and extending across said elongated opening and having a tubular portion engaging through said elongated opening, and pivotally mounted upon said casing on an axis passing through the center of said semi-sphere and at right angles to a plane longitudinally through



said opening, an insulation disc mounted transversely in the open end of said cylindrical portion of the casing, elements mounted on said disc and extending to the vicinity of said axis, a lamp socket mounted through said tubular portion, and members pivotally connected with said element at said axis and connected with the lamp socket to support the lamp socket.

2,029,862
ELECTRICAL DISK BRAKE
Adiel Y. Dodge, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application January 17, 1935, Serial No. 2,245
17 Claims. (Cl. 188—164)

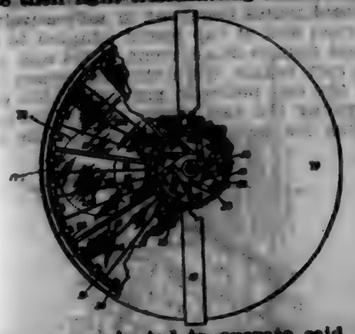


1. A friction disk brake comprising a plurality of coaxial disks adapted to be compressed magnetically, alternate disks of said plurality being formed of high and low carbon steel respectively.

2,029,863
CHROMOSCOPE
Richard W. Earle, Los Angeles, Calif.
Application March 24, 1933, Serial No. 662,443
21 Claims. (Cl. 240—3.1)

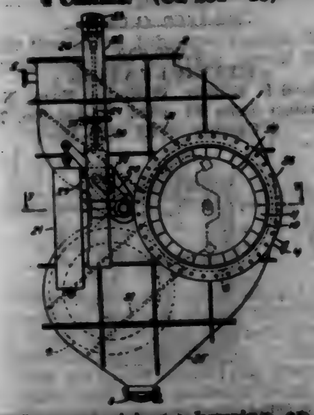
1. In combination with a color screen having a succession of differently colored transparencies; means for moving said screen to intercept a beam of light at a speed which will cause projection of

a chromatic blending of the colors of said transparencies; shutter mechanism movable with said transparencies and adjustable to determinedly regulate their light-transmitting areas; and sta-



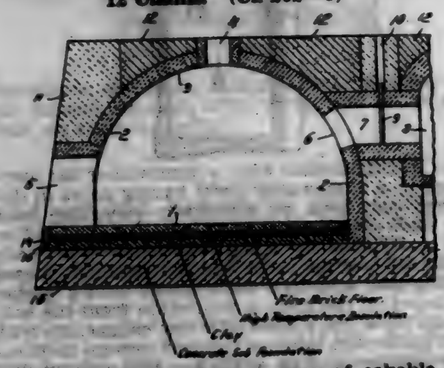
tionary means adapted to operate said moving shutter mechanism to determinedly control the transmitting area of a transparency of a selected color so as to vary the chromatic composition of the projected color blend.

2,029,864
HOT GAS VALVE
Laurits Elgaard, Kew Gardens, N. Y., assignor to Semet-Solvay Engineering Corporation, New York, N. Y., a corporation of New York
Application December 16, 1931, Serial No. 581,230
4 Claims. (Cl. 251—18)



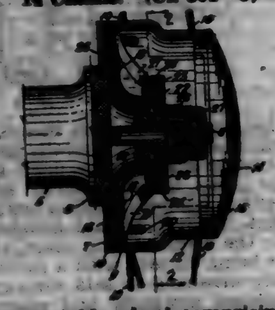
1. A valve comprising a housing, an inlet port and an outlet port on opposite sides of said housing, valve seats circumscribing said ports on the interior of said housing, a frame within said housing adapted to rotate between two extreme positions, an eccentrically disposed slot in said frame, a valve disc having a pin projecting from one face thereof, a second valve disc having a recess in one face thereof, said pin projecting through said slot and adapted to slide therein in a direction transaxial with respect to the pin and transradial with respect to the axis of rotation of the frame, said recess loosely engaging the projecting end of said pin, means for maintaining the engagement of said pin with said recess, said discs being adapted to register with said ports when the frame is near one extreme position, lugs on said discs, stops at said ports engaging said lugs when the discs are in registry with said ports and preventing their further movement, wedges on said frame adapted to engage wedge blocks on said discs to force said discs against said valve seats, said wedge blocks being engaged by said wedges by the relative movement of said frame with respect to said discs by rotation of said frame to said one extreme position.

2,029,865
PROCESS OF COKING HYDROCARBON MATERIAL AND COKE OVEN FOR PRACTICING SAID PROCESS
Alvan Harlan Gallaher, Plainfield, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application April 22, 1930, Serial No. 446,234
12 Claims. (Cl. 202—6)



1. A process of coking a mass of cokable hydrocarbon material which is liquid or liquefiable by heat, which comprises introducing the hydrocarbon material into a hot coke oven heated by the coking of a previous charge, supplying the heat for coking the hydrocarbon material first to the upper portion of the mass while impeding the flow of heat from the base of the oven into the lower portion of the mass, and then supplying heat to the mass progressively downward to coke the material progressively downward.

2,029,866
DEMOUNTABLE WHEEL
Paul A. Haberl, Denver, Colo.
Application October 29, 1934, Serial No. 750,479
14 Claims. (Cl. 301—9)



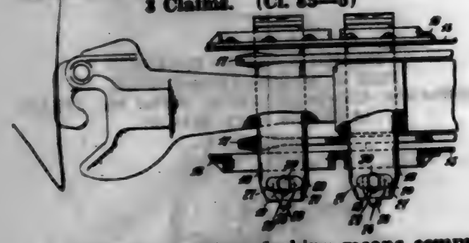
1. A demountable wheel comprising in combination with a rotary element having an axial extension and a series of socketed lugs, a hub-member having an end-plate apertured to admit the socketed lugs, a follower movable on the extension, dogs carried by the follower and cooperating with the socketed lugs to rigidly connect the hub-member to the rotary element, and a driving-element acting upon the follower, and adapted to hold it in an adjusted position in which the dogs are in operative relation to the lugs.

2,029,367
AUTOMATIC LOCK FOR DUMBWAITERS
Steve Halmi, New York, N. Y.
Application March 6, 1935, Serial No. 9,598
4 Claims. (Cl. 187—61)



1. In conjunction with a dumbwaiter car operating in a dumbwaiter shaft having doors in different elevations, an automatic operating latch for each door comprising a bracket mounted on the material of the dumbwaiter shaft, a pivotally mounted bolt upon the bracket, resilient means urging said bolt into engagement with a keeper mounted on the door, a projection from the bolt, a cam upon the dumbwaiter car engageable with said projection to move the bolt into an inoperative position, and an angle iron mounted on said dumbwaiter car and arranged with one of its arms extending across said cam to shield the cam when the door is opened.

2,029,568
DRAFT KEY RETAINER LOCKING MEANS
Victor H. Harbert, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application December 8, 1934, Serial No. 756,855
3 Claims. (Cl. 85—5)



1. Draft key retainer locking means comprising a main member having vertically spaced arms adapted to receive the end of a draft key therebetween, the arms at their outer ends being formed to effect holding relation with the retainer so that removal of said member is prevented while the retainer is in place, the top of said member being formed with a slotway, and a bendable strip arranged in said slotway with its free end disposed upwardly and adapted to be bent laterally across the top of the key retainer.

2,029,569
ROOFING STRUCTURE
Edward Hering, Beverly, N. J., assignor to United States Pipe and Foundry Company, Burlington, N. J., a corporation of New Jersey
Application February 24, 1934, Serial No. 712,989
1 Claim. (Cl. 108—10)

In a roof structure made up of roof beams, roofing plates supported on said beams formed with upwardly extending ribs or flanges on their side edges and with a hood like structure extending from the bottom edge of the plate centrally upward toward but not to the top edge of the plate, said plates being set in successively staggered rows and of cap pieces adapted to extend over said flanges of adjacent plates and secured to the roof beams, the improved means for securing the cap pieces in position which consists in providing the cap pieces with a downwardly extending lug perforated to receive the hooked



end of a hook bolt and formed on its lower end with a seat adapted to engage one end of a locking bar and in combining therewith in the erection of the roof, a locking bar adapted to engage with the lower end of the lug of the cap piece and to rest upon a flange of the roof beam, said locking bar being provided with a bolt hole to give passage to a hook bolt, a hook bolt engaged in the lug of the cap piece and extending through the bolt hole in the locking bar and a nut screwing on the lower end of the hook bolt and against the underside of the locking bar.

2,029,570
REFRIGERATION
Clifford F. Holden, Williston Park, N. Y.
Application June 22, 1934, Serial No. 731,955
3 Claims. (Cl. 62—46)

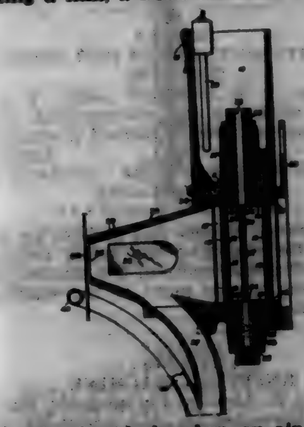


1. In a refrigerator construction, a plurality of drip pans extending inwardly from the side walls of the refrigerator body, said drip pans having their adjacent inner edges spaced from each other, refrigerant supporting racks supported by said drip pans, and extensions projecting from said refrigerant supporting racks, said extensions lying in the space between the adjacent inner edges of the drip pans in spaced relation therewith.

2,029,571
CINEMATOGRAPH APPARATUS
Arthur Percy Johnson, Wylde Green, Birmingham, England
Application November 2, 1934, Serial No. 751,973
In Great Britain November 11, 1933
13 Claims. (Cl. 88—24)

1. A cooling unit for use with cinematograph apparatus including a body having in its upper part a reserve tank and in its lower part a chamber, a transparent panel in each of two opposite sides of said chamber, liquid circulating passage

between said tank and said chamber, cooling liquid in said tank and said chamber, said chamber being adapted to be arranged with said transparent panels interposed in the light beam for projecting a film, a hood attached to said body



at one side of said chamber, an air supply conduit communicating with said hood, and means located in said tank for heating the liquid to a temperature sufficient to eliminate condensation on the transparent panels of said chamber.

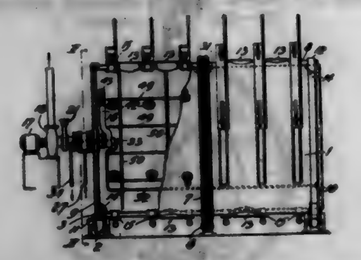
2,029,572
FIELD TILLER
Oscar Benjamin Johnson, Ensign, Kans.
Application December 11, 1934, Serial No. 757,946
2 Claims. (Cl. 55—30)



1. A tilling implement comprising a shaft providing an axis of rotation, tilling elements mounted on the shaft for rotation, each of said elements being approximately one-half of a disk, said elements being arranged axially in spaced relation to each other, and said elements being oppositely disposed about said axis, alternately.

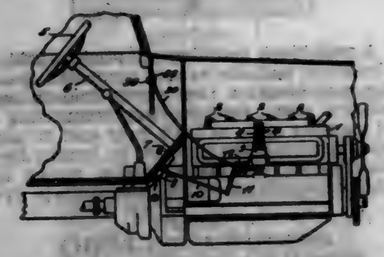
2,029,573
APPARATUS FOR PREPARATION OF MALT
Augustinus Edvard Jonssen, Stockholm, Sweden
Application May 9, 1933, Serial No. 670,102
In Sweden February 24, 1933
1 Claim. (Cl. 195—23)

Apparatus for carrying out the germination step in the preparation of malt from grain, comprising a malting drum arranged to rotate about a horizontal axis, a plurality of air inlet valves arranged in the wall of the drum and distributed in a number of peripheral rows along the drum, said valves being individually adjustable independently of each other with regard to the area of passage, means for controlling said valves to close and open during the rotation of the drum comprising curved rails extending in the circumferential direction of the drum opposite said rows of valves, means for varying the length of said rails, means for varying the angular position of said rails in relation to the axis of the drum, an air suction conduit leading from the



interior of the drum, and means for sucking an air current through said valves, said drum and said air suction conduit.

2,029,574
METHOD FOR OBTAINING THE OPTIMUM POSITION OF IGNITION CONTACTS IN INTERNAL COMBUSTION ENGINES
Leo B. Kimball, New Haven, Conn., assignor to Fuel Development Corporation, a corporation of Delaware
Original application February 1, 1934, Serial No. 709,313, now Patent No. 2,018,893, dated October 29, 1935. Divided and this application March 7, 1934, Serial No. 714,443
2 Claims. (Cl. 123—117)



1. The method of controlling the advance and retardation of the spark ignition in internal combustion engines, which comprises, primarily advancing the times of ignition concurrently with initial degrees of throttle valve opening, and thereafter manually producing definite retardation of the first mentioned times of ignition over certain limited portions of the range of throttle valve openings during greater power output, to effect high fuel efficiency over all portions of said range and to eliminate knocking which would otherwise occur incident to the use of poor grades of fuel or bad conditions in the combustion chambers of the engine.

2,029,575
CLASP AND HOOK STAY
Joseph J. Kispert, Hamden, Conn., assignor to I. Newman & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application April 30, 1935, Serial No. 19,690
3 Claims. (Cl. 2—36)

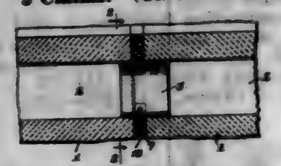
1. A stay for front laced corsets, comprising a hook bar having a plurality of hooks connected therewith, a plurality of plates connected to said bar and extending from one edge thereof, each of said plates having an offset portion, and

a flexible offset bar having the center part connected with the center of said plates and the



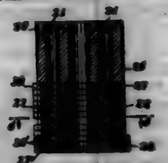
end portions positioned to rest against said offset portions when the stay is in use.

2,029,876
WALL BLOCK COUPLING
Franklin S. Klein, Malverne, N. Y.
Application December 18, 1934, Serial No. 758,132
5 Claims. (Cl. 72—107)



1. A wall block coupling adapted to bridge the gap between wall blocks and form with passages in the wall blocks a continuous smooth conduit for electric wires, said coupling comprising a tubular member open at both ends and of uniform internal diameter throughout its length forming an unobstructed passage, and a flange or rib around the tubular member intermediate its ends.

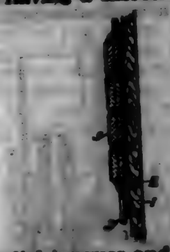
2,029,877
IDENTIFICATION DEVICE
Peder M. Knudsen, Katonah, N. Y.
Application February 16, 1935, Serial No. 6,934
4 Claims. (Cl. 40—70)



1. An identification device, comprising a member and a plurality of discs in juxtaposition, and said member and discs being formed with a plurality of straight passages from one end to the other, said discs being formed with additional passages, identification markers in said additional passages, and said discs being movable to be rotated to positions in which the identification markers of any discs may be aligned with the passages in said member.

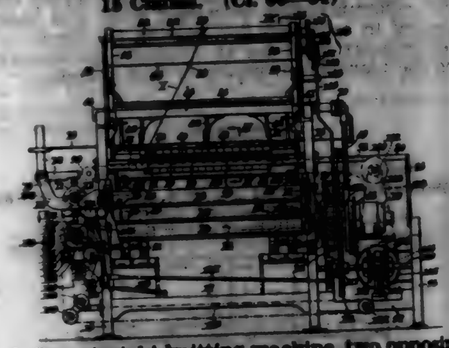
2,029,878
REENFORCED WALL STRUCTURE
Joseph Kublanow, Pittsburgh, Pa.
Application February 10, 1934, Serial No. 710,679
2 Claims. (Cl. 72—18)

2. A brick veneer wall comprising a base material, metal spacing and reenforcing members secured thereto having laterally extending spacing and supporting elements integrally formed thereon, and facing slabs mounted on said metal spacing members having a smooth outer face on one



side and parallel tongues and grooves on the opposite side for engaging the metal reenforcing elements with one or more of the tongues of said slabs engaging one or more of the spacing and supporting elements.

2,029,879
KNITTING MACHINE
George W. Lindley, Philadelphia, Pa.
Application December 23, 1932, Serial No. 648,534
15 Claims. (Cl. 66—84)



1. In a straight knitting machine, two opposing contrariwise actuated sets of needles; means for serving yarn to the needles for formation of fabric loops; a reciprocating carrier for laying another yarn transversely of the fabric between the loops respectively formed by the two sets of needles; and means for automatically thrusting said carrier inward at the completion of its strokes in opposite directions to hold the inlay yarn against the backs of the needles of one set when such needles are raised, and thereby to prevent it from being fouled as the other set of needles rises.

2,029,880
ELASTIC FABRIC
George W. Lindley, Philadelphia, Pa.
Application March 31, 1933, Serial No. 663,683
12 Claims. (Cl. 66—182)

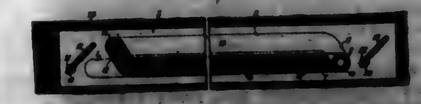


8. A double faced knitted fabric comprising elastic weft threads disposed between the opposite faces of the fabric and secured in place by separate pairs of warp thread loop chain portions extending from face to face of the fabric and forming said opposite faces of the fabric.

2,029,881
METHOD FOR PRODUCING TITANIUM DIOXIDE
William T. Little, Westfield, N. J., assignor, by mesne assignments, to American Zirconium Corporation, Baltimore, Md., a corporation of Maryland
No Drawing. Application April 23, 1934, Serial No. 721,870
13 Claims. (Cl. 23—202)

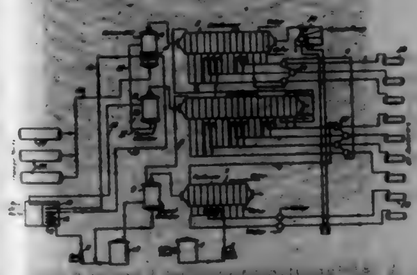
1. In a process for preparing titanium dioxide, the step which comprises hydrolyzing a titanium salt solution by heating in the presence of a solid alkali titanate.

2,029,882
SLOT CLOSER
Leo C. Luke, Independence, Kans., assignor to The Atchison Revolving Door Co., Independence, Kans., a corporation of Delaware
Application December 26, 1934, Serial No. 759,290
11 Claims. (Cl. 20—18)



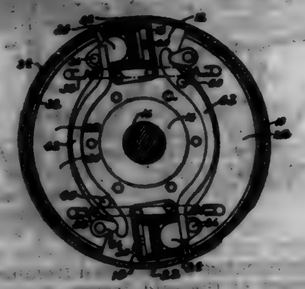
5. In combination with the central spindle of a revolving door, a stationary member having a slot formed therein engaging said spindle, said spindle being shiftable along said slot, a plate disposed above said member and formed with a slot engaging said spindle, said slot having an angularly disposed end, and means including a pair of angularly disposed slots and pins engaging said last-named slots for securing said plate to said stationary member.

2,029,883
DISTILLATION OF TAR
Alexander A. MacCubbin, Montclair, and Joseph Zavertnik, Jr., Harrington, N. J., assignors to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application August 14, 1930, Serial No. 475,194
12 Claims. (Cl. 196—77)



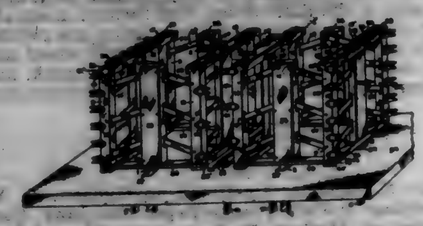
4. The method of distilling hydrocarbon material which comprises distilling the material, separating the vapors and liquid residue produced thereby, heating the residue by indirect heat transfer from heated hydrocarbon material passing to the first mentioned distillation stage, and subjecting the said residue to a second distillation effected under a vacuum.

2,029,884
BRAKE MECHANISM
Ludwig A. Majneri, Detroit, Mich.
Application October 6, 1933, Serial No. 692,507
2 Claims. (Cl. 188—78)



1. In a brake mechanism the combination of a rotatable drum, a supporting plate adjacent said drum, brake shoes for frictional engagement with the inner periphery of said drum, operating means for each shoe disposed diametrically opposite each other, each engaging one end of each shoe, a lever pivotally supported on said plate having its opposite ends respectively in engagement with the opposite ends of one of said shoes, said pivot being intermediate the ends of said lever and adjacent the end of said shoe opposite the applying means, and resilient means normally holding the shoes away from engagement with the inner periphery of said drum.

2,029,885
BOX DISMEMBERING MACHINE
Leon Mann, Mount Vernon, N. Y.
Application July 25, 1934, Serial No. 736,864
13 Claims. (Cl. 254—124)

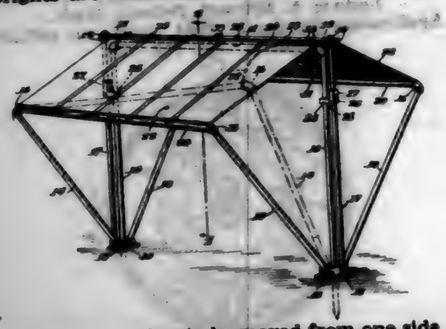


1. In a box or case dismembering or knocking down machine mechanism adapted to be positioned inside the box comprising expansible members, and means for expanding the same in two directions against and for causing portions of the same to be forced in between vertical and horizontal inner walls thereof at connected portions of said walls to separate said walls from each other.

2,029,886
LAWN CANOPY
Charles X. Marshall, Chicago, Ill.
Application July 13, 1935, Serial No. 31,242
17 Claims. (Cl. 135—7.1)

1. A lawn canopy embodying a rigid upright frame, uprights pivotally mounted at their lower ends on opposite sides of the said frame, a flexible member extending across and disconnected from the top of said frame and secured at its ends to the respective uprights and constituting the connection between the uprights on opposite sides of the frame whereby the flexible member

will be moved across said frame when the said uprights are moved about their pivots to cause



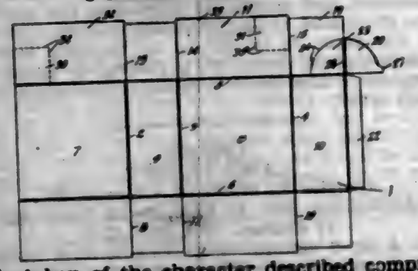
the flexible member to be moved from one side to the other side of the said frame.

2,029,557
NUMBERING HEAD WHEEL AND METHOD OF MAKING SAME
George J. Matt, Brooklyn, N. Y., assignor to Roberts Numbering Machine Company, Brooklyn, N. Y., a corporation of New York
Application January 22, 1934, Serial No. 707,884
3 Claims. (Cl. 101—401.2)



1. A numbering head wheel embodying therein a digit wheel having a sequence of spaced platens about the perimeter thereof, and a plurality of high and a plurality of deep ratchet teeth upon one side of the digit wheel, and formed integrally with the material thereof, there being one ratchet tooth adjacent each platen, said digit wheel and said ratchet teeth being of hard steel stock, and having a bearing opening extending therethrough.

2,029,558
BOX
Henry L. Metzger, Castleton-on-Hudson, N. Y., assignor to Fort Orange Paper Company, Castleton-on-Hudson, N. Y., a corporation of New York
Application February 12, 1935, Serial No. 6,296
3 Claims. (Cl. 229—17)



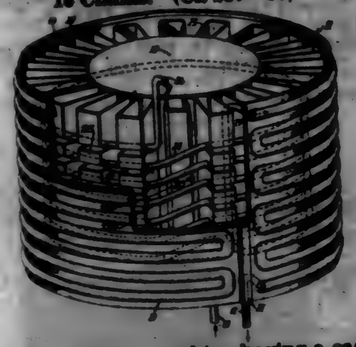
1. A box of the character described comprising front, back and side panels and flaps connected to each of said panels and infolded to form closures for the ends of said box, one of said first infolded flaps being provided with a portion lying within the box in a plane substantially at right angles to said flap when the box is closed and adapted to be drawn out to form part of a pouring spout for the contents of said box; each of said flaps being substantially coextensive in width with its associated panel and connected to said panel throughout said width.

2,029,559
FLY SCREEN
William B. J. Mayer, Rolling Springs, Texas
Application June 20, 1935, Serial No. 27,247
2 Claims. (Cl. 156—97)



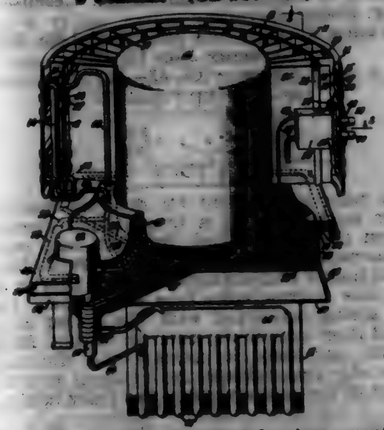
2. A screen of the class described including frames superimposed and fixed together, one of the frames being an inner frame, a foraminous panel fixed to the inner frame across the upper portion thereof, and other foraminous panels severally and progressively fixed to the other frames in overlapping relation, and slotted bars extending across the several frames at the upper ends of said other panels.

2,029,590
CONDENSER FOR REFRIGERATING MACHINES
Delbert F. Newman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 1, 1934, Serial No. 755,530
10 Claims. (Cl. 257—96)



1. A refrigerating machine having a casing, an air cooled condenser including a cylindrical member surrounding said casing in spaced relation thereto, a support of heat conducting material connecting said casing and said cylindrical member, and a heat-dissipating refrigerant conduit carried by said support intermediate said casing and said cylindrical member and extending about said casing.

2,029,591
CONDENSER FOR REFRIGERATING MACHINES
Delbert F. Newman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 27, 1935, Serial No. 22,619
8 Claims. (Cl. 257—96)



1. A refrigerating machine having a casing, an air cooled condenser including a cylindrical member having an extended refrigerant passage formed therein, said cylindrical member surrounding said casing in spaced relation thereto, a support of heat conducting material connecting said casing and said cylindrical member, said condenser also including a second cylindrical member having an extended refrigerant passage formed therein, said second cylindrical member surrounding said first mentioned cylindrical member in spaced relation thereto, and a second support of heat conducting material connecting said cylindrical members.

2,029,592
ROADWAY CONSTRUCTION
Russell C. Olmsted, Cliffside, N. J.
Application October 18, 1933, Serial No. 693,277
10 Claims. (Cl. 94—13)



1. An expansion joint for concrete roadways formed of slabs, said joint comprising recesses formed in the abutting faces of the slabs, a precast packing positioned between and partially filling the space between the abutting faces of the slabs, and a viscous packing carried in said recesses and movable from the recesses to the space between the abutting edges of the slabs upon contraction of the slabs.

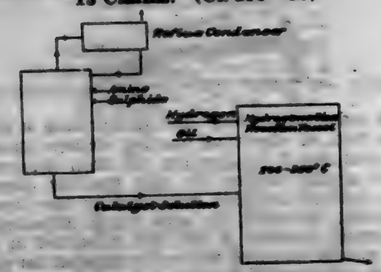
2,029,593
PROCESS FOR MAKING CONDENSATION PRODUCTS
Kurt Ripper, Vienna, Austria
No Drawing. Application March 8, 1931, Serial No. 520,472. In Austria December 15, 1930
18 Claims. (Cl. 260—9)

1. The process of producing hydrophobe urea-thiourea-formaldehyde reaction products which comprises reacting 1 mol of a mixture of thiourea and urea with less than 2 mols of formaldehyde without addition of external heat in an aqueous medium having a hydrogen-ion concentration of about $C_H=10^{-3}$, the amount of thiourea contained in the said mixture being sufficient to prevent formation of white insoluble formaldehyde-urea products.

2,029,594
MOLDING COMPOSITION
Kurt Ripper, Vienna, Austria
No Drawing. Original application March 5, 1931, Serial No. 520,472. Divided and this application September 17, 1932, Serial No. 633,682. In Austria December 15, 1930
10 Claims. (Cl. 106—22)

1. The process of producing an organic composition suitable for injection-molding or die-casting which comprises reacting 1 mol of thiourea with less than 2 mols of formaldehyde without addition of external heat in an aqueous medium having a hydrogen-ion concentration between $C_H=10^{-4}$ and about $C_H=10^{-3}$ to prevent formation of insoluble thiourea-methylene compounds, mixing a fibrous material with the resulting liquid product and drying the mixture to a point where it is practically dry but still contains enough moisture to be flowable under pressure.

2,029,595
PROCEDURE FOR THE HYDROGENIZING AND/OR SPLITTING OF COAL, TARS, MINERAL OILS, AND THE LIKE
Wilhelm Rittmeister, Dessau/Anhalt, Germany, assignor, by mesne assignments, to E. I. du Pont de Nemours & Co., Wilmington, Del., a corporation of Delaware
Application June 1, 1933, Serial No. 673,580
In Germany June 2, 1932
13 Claims. (Cl. 196—53)

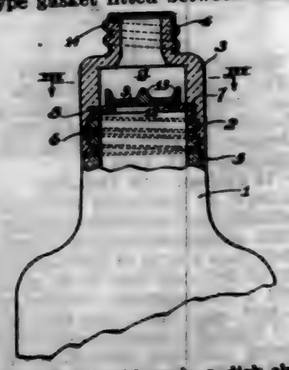


1. Procedure for the hydrogenizing of coal, coal distillates, tars, cresols, mineral oils, distillation residues and the like, characterized in that the initial materials are treated with hydrogen at enhanced pressures and enhanced temperatures in the presence of a catalyst obtained by dissolving a sulphide of a metal of the 6th group of the periodic system in a strong base of the group consisting of the primary and secondary amines.

2,029,596
BOTTLE CLOSURE
Israel Rosenbloom and Russell Bern, Pittsburgh, Pa., assignors to Buffalo Distilling Company, Braddock, Pa., a corporation of Pennsylvania
Application June 9, 1934, Serial No. 729,839
1 Claim. (Cl. 215—21)

A non refillable bottle closure comprising a bottle neck provided with a helical thread, a dome shaped covering shell having a pouring spout at

its upper end and a threaded skirt at its lower end threadably secured to said bottle neck and fixedly attached thereto by a layer of cement disposed between said skirt and the exterior of said neck, an inwardly projecting shoulder in said shell extending over the mouth of said bottle neck above the threads at the end thereon, a hollow washer-type gasket fitted between said shoulder



and the mouth of said neck, a disk shaped valve of lesser diameter than the interior of said shell seated by gravity on said gasket above the opening therein, a plurality of spaced upwardly projecting bosses on the upper side of said valve for preventing it closing the spout opening in the shell when the assembly is inverted, and means of closing said spout.

2,029,837
ELECTRIC IRON
Ludwig Schilling, Poughkeepsie, N. Y.
Application October 22, 1934, Serial No. 749,379
2 Claims. (Cl. 219—23)



1. A sad-iron heating unit comprising a stand for the iron, an electrical heating element mounted in said stand for heating the iron thereon, a current supply means for said heating element and a control therefor operated by the iron, a thermostat mounted in said stand adjacent to the heating element, a tell-tale mounted in said stand, means operated by the thermostat for moving said tell-tale to indicate when the temperature of the heating element has reached a predetermined degree of heat.

2,029,896
METHOD OF PURIFYING MAGNESIUM
Walther Schmidt and Adolf Beck, Bitterfeld, Germany, assignors, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application May 10, 1933, Serial No. 670,393. In Germany January 3, 1929
10 Claims. (Cl. 75—17)

1. The method of removing iron impurities from magnesium comprising dissolving in the molten metal, by the application of temperatures above about 700° C., a purifying substance selected from manganese, silicon and manganese chloride, in a quantity sufficient to form primary crystals on cooling of the melt while simultaneously combining with the said impurities, cooling the melt to a temperature not exceeding about 700° C., and separating the crystals containing the purifying substance and the impurities from the melt.

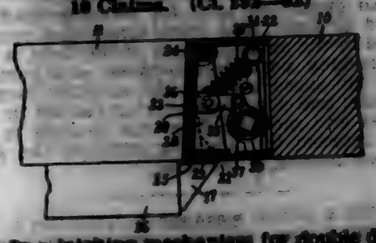
2,029,899
RULER ATTACHMENT
Wilhelm Stahl, Lahr, Baden, Germany, assignor to firm of Albert Nestler Actien Gesellschaft, Lahr, Baden, Germany
Application November 28, 1934, Serial No. 755,241
In Germany July 17, 1933
1 Claim. (Cl. 33—107)

In a ruler attachment for drawing machines, a ruler holder having a longitudinal groove, a plate on the ruler fitting into the said groove, a two-armed lever mounted to be rotatable on the said holder and engaging with its shorter arm in the one narrow edge face of the said plate, and a spring connected with the longer arm of the said lever and acting thereon in such fashion that the said plate is pressed with the second narrow edge face against the adjacent longitudinal face of the said groove in the ruler holder.

2,029,900
FIBROUS ESTERIFICATION OF CELLULOSE
Russel H. Van Dyke, Cyril J. Staud, and Harry Le B. Gray, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application July 29, 1932, Serial No. 626,226
4 Claims. (Cl. 260—191)

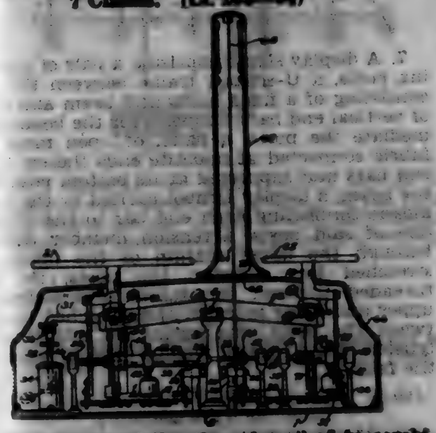
1. In the process of preparing a cellulose ester in fibrous form in which the cellulose is pretreated with an acid and subsequently acylated in a bath containing a predetermined amount of said acid, of a fatty acid anhydride, and of an inert diluent; the step which comprises reducing the acid content of the pretreated cellulose to said predetermined amount and simultaneously providing the predetermined amount of diluent for the acylation bath by washing the pretreated cellulose with a liquid which is a non-solvent for the fibrous ester.

2,029,901
EXIT DOORLOCK
Henry G. Voight, New Haven, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application December 12, 1934, Serial No. 757,188
10 Claims. (Cl. 292—92)



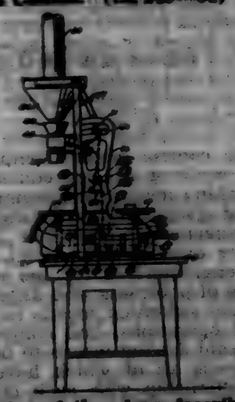
2. In a latching mechanism for double doors, a casing applied to one of said doors adjacent the edge thereof and having a latch bolt adapted to project therefrom, a bolt-engaging member movably mounted adjacent the edge of the other door, said member being adapted to move from a position flush with the edge of said second door to a position projecting from said edge into the space between the doors to engage said latch bolt, and said member being movable toward non-projecting position by contact with said first door when said second door is opened.

2,029,902
WEIGHING SCALE
Foster V. Waltz, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application February 9, 1933, Serial No. 5,784
7 Claims. (Cl. 265—24)



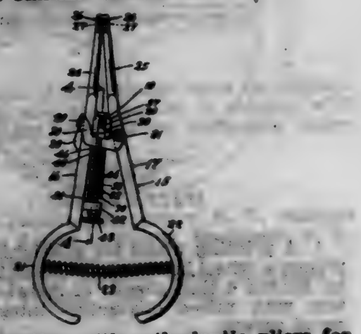
1. In a device of the class described in combination, an oscillatively mounted lever, a load support mounted upon said lever, a counterpoise support, to set in opposition to a load on said load support and connected to said lever, a pendulum mounted below said lever and adapted to oscillate in a plane bisecting the plane of oscillation of said lever, the moment of said pendulum being additive to the weight moment of a counterpoise on said counterpoise support, and an indicator secured to said pendulum to indicate weight of loads on said load receiver.

2,029,903
WEIGHING SCALE
Mark A. Weshorly, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application July 27, 1932, Serial No. 624,946
12 Claims. (Cl. 249—64)



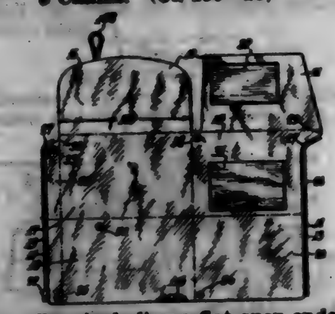
2. In a device of the class described, in combination, fast material feeding means, slow material feeding means, weighing mechanism, a photoelectric element, means for causing a variation in the amount of light supplied to said photoelectric element, means operatively connecting said light varying means to said weighing means, means whereby a variation in the amount of light supplied to said photoelectric element affects the operation of said fast feed means, and means whereby a subsequent variation in the amount of light supplied to said photoelectric element affects the operation of said slow feed means.

2,029,904
ORTHODONTIC APPLIANCE
Percy Norman Williams, Tucson, Ariz.
Application October 10, 1934, Serial No. 747,655
6 Claims. (Cl. 32—66)



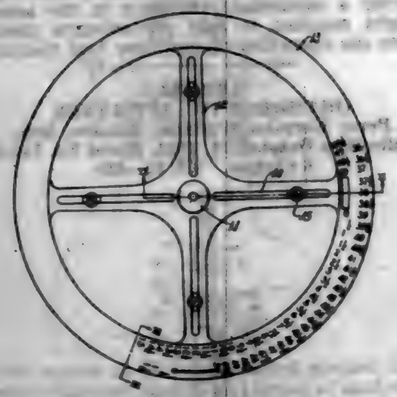
5. In combination with orthodontic pliers for applying and locking wire ligatures, spring means for normally closing the beaks of said pliers, a holder on said pliers for the ends of a ligature wire, means at the end of each plier beak to support an intermediate portion of said ligature wire, and means for adjusting said holder to vary the tension of said ligature wire.

2,029,905
REVERSIBLE HANDBAG
Abraham Benner, New York, N. Y.
Application July 2, 1935, Serial No. 30,459
8 Claims. (Cl. 150—28)



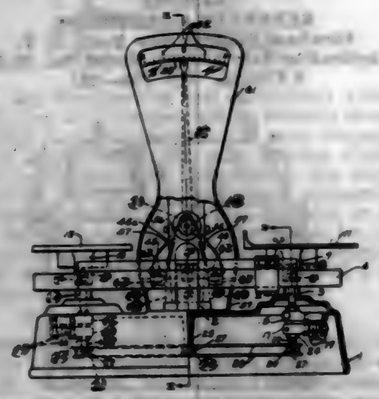
1. A handbag including a flat open ended elongated tubular element affording a continuous through passage provided with unitarily-connected, non-detachable interior and exterior flaps, said element being longitudinally split from end to end for reversibility and having means for interconnecting the edges at said split, said element being folded on itself with its fold portions releasably interconnected to provide open pockets extending alongside of each other, the split in the element lying between the pockets, said interior flap removably overlying the split area of the element adjacent to the openings of the pockets.

2,029,906
COMPOSITE STRUCTURE
Geoffrey H. Bennett, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application September 18, 1934, Serial No. 743,491
6 Claims. (Cl. 101—401.1)



1. A printing wheel for a weighing scale comprising a wheel body of light weight molded plastic having a thin sheath of metal over one portion with raised characters integral with the metal sheath.

2,029,907
WEIGHING SCALE
Stanley Q. Bennett, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application February 15, 1933, Serial No. 656,876
4 Claims. (Cl. 265—59)



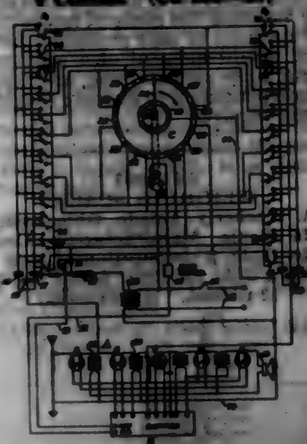
1. In a device of the class described, in combination, weighing mechanism including a load supporting lever, said lever having two parallelly extending arms marked with like indicia, cross sections of said arms being substantially U shaped, a load offsetting poise mounted upon one of the said arms and having an index cooperating with the indicia of said arm, an index mounted upon the other of said arms and cooperating with the indicia thereof, said index being light in weight as compared to said poise and means lying within said U whereby equal but opposite movement is imparted to said index.

2,029,908
DISPLAY SIGN
William H. Hoschke, Jr., Mount Lebanon, Pa., assignor, by mesne assignments, to American Chain Company, Inc., a corporation of New York
Application July 11, 1933, Serial No. 679,841
7 Claims. (Cl. 40—125)



7. A display sign comprising a pair of supporting posts, a U-shaped frame between the posts consisting of a fixed horizontal beam and a pair of vertical end bars, supports for the beam intermediate the posts, a panel of open mesh wire fabric connected at opposite ends thereof to the end bars and supported at its bottom edge upon the beam, a display symbol carried by the fabric, means connecting each end bar to the adjacent one of said posts, a tension member threaded through the upper margin of the fabric and stretched taut between the posts, tie wires threaded through the fabric intermediate its upper and lower margins and stretched taut between the posts, and means for adjusting the tension of the tension member, the tie wires and the fabric.

2,029,909
AUTOMATIC RADIO RECEIVING APPARATUS
Joseph L. Oswald, New York, N. Y., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application July 1, 1933, Serial No. 678,319
6 Claims. (Cl. 250—20)



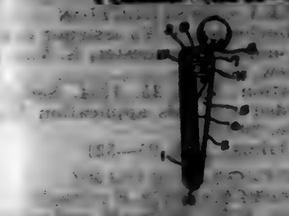
1. A radio control system comprising, circuit means for receiving and reproducing radio programs, switching means for altering the connections of said circuit means to produce different circuit arrangements, one after the other in sequence, for causing said circuit means to be differently characterized for the reception and reproduction of programs, and driving means for actuating said switching means to perform said sequence of operations, and control means for controlling said driving means to be actuated at different speeds all of which have an integral multiple relationship with each other, whereby said sequence of different characterizations of said circuit means can be performed in selectively different time intervals having an aliquot time inter-relationship with a program broadcast time interval.

2,029,910
THREAD FLUID TREATING DEVICE
Henry R. Childs, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application March 6, 1934, Serial No. 714,255
5 Claims. (Cl. 18—8)



1. In a machine for fluid treating thread, a wire mesh screen, means for guiding thread into contact with a portion of said screen, and means for filling the interstices of the screen with a thread treating fluid.

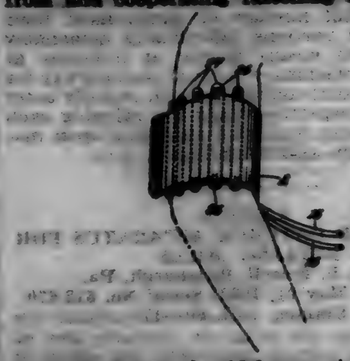
2,029,911
REAR VIEW MIRROR
William H. Colbert, Brookeridge, Pa., assignor to Liberty Mirror Works, a corporation of Pennsylvania
Application July 12, 1935, Serial No. 31,001
4 Claims. (Cl. 88—96)



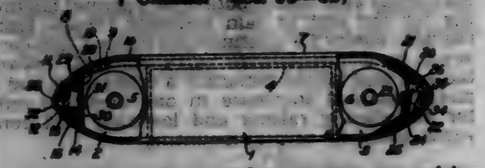
1. In a rear view mirror, a mirror plate and a supporting bracket therefor comprising a casing member of sheet metal extending across the back of the plate with its side edges closely adjacent the rear face of the plate and its central portion spaced away therefrom to provide a housing space, said casing having at one end a closure wall extending transversely of said housing space and provided with a hook fitting around the edge of the mirror plate, a supporting stud extending through said closure wall and rigidly attached thereto, a clamping plate in said housing space with one edge constituting a hook and fitting around the edge of the mirror plate in opposition to said first mentioned hook, and screw adjusting means carried by the closure wall and adapted to move the clamping plate across the back of the mirror plate.

2,029,912
STHYGMOMANOMETER BANDAGE
Frank Cosser, Finsbury Park, London, England
Application May 22, 1934, Serial No. 726,922
In Great Britain December 22, 1933
2 Claims. (Cl. 128—327)

1. A sphygmomanometer bandage comprising a bag portion enclosing an inflatable bag, a binding strip portion continuous with and of a length to extend around the arm and over said bag portion, a plurality of transverse stiffening stays in said strip portion arranged to provide a relatively rigid reaction wall for pulsations in the bag when the latter is inflated, certain of said stays in the strip portion being longer than the width of the strip so that their ends project therefrom and cooperating fastening means on the projecting ends of said longer stays for adjustably securing said bag portion in contact with the arm with the strip portion extending thereover.

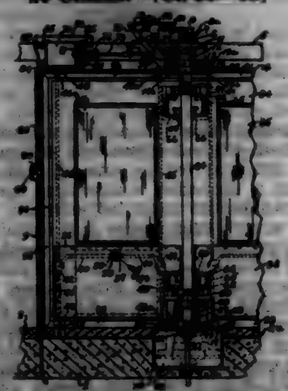


2,029,913
CAMERA LATCH
Chester W. Crumrine, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application May 14, 1935, Serial No. 21,431
7 Claims. (Cl. 95—32)



1. A latch mechanism for cameras comprising a camera body, a back hingedly attached thereto, the hinge including a pintle and pintle supports permitting the pintle to slide a predetermined distance in its support, and latch elements carried by the camera body and back opposite to the hinge pintle and adapted to be disengaged by sliding the back on its hinge relatively to the camera body.

2,029,914
REVOLVING DOOR
Stanley C. Dreher, Cincinnati, Ohio
Application October 16, 1933, Serial No. 693,749
20 Claims. (Cl. 20—18)



1. In a revolving door, in combination with a doorway, a series of wings radially diverging

from the central part of the doorway, a mounting at said central part, confined away from the central mid-height area of the doorway and rotatable on a vertical axis, to which mounting each one of the full number of wings have their radially inner portions individually detachably connected, and means spaced at intervals at radially outer stationary parts of the doorway for detachable pivotal connection with radially outer parts of the respective wings for swinging each wing singly away from said mounting upon disconnection from said mounting.

2,029,915

FEEDER AND CATCHER APPARATUS FOR ROLLING MILLS

Joseph E. Fawell, Pittsburgh, Pa.

Application May 21, 1932, Serial No. 612,670
8 Claims. (Cl. 80—47)



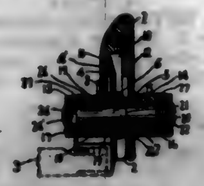
7. In combination with the rolls of a sheet rolling mill, spaced parallel supports extending at right angles to the roll pass and adapted to receive material delivered therefrom, an endless conveyor having spaced runs located between and paralleling said spaced supports, a pivotal mounting for the end of said conveyor remote from the mill, means for continuously driving said conveyor in a direction to carry material toward the mill and means including a crank arm and a motor adapted to rotate in one direction only for periodically raising and lowering said conveyor about its pivotal mounting.

2,029,916

PAPER TRIMMER

Charles L. Friermood, Springfield, Ohio, assignor to Charles K. Hullinger, receiver for the Ridgely Trimmer Company, Springfield, Ohio, a corporation of Ohio

Application June 27, 1935, Serial No. 28,629
5 Claims. (Cl. 164—34)



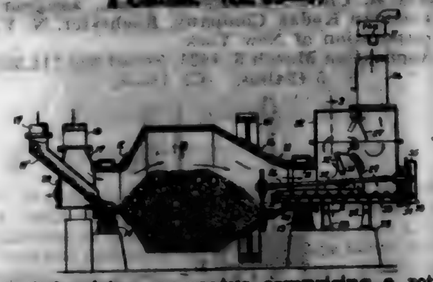
5. In a paper trimmer, a body having a recess and a pair of aligned oppositely extending trunnions, an axle carried by one of said trunnions and having a threaded connection therewith so as to be capable of axial adjustment, said axle extending across said recess and loosely into the opposite trunnion, a cutting disk located in said recess and loosely mounted on said axle, a sleeve slidably mounted on said axle in said last mentioned trunnion, the inner end of said sleeve having a flange, a screw in said last mentioned trunnion having a shoulder to engage and move said sleeve, said axle having a shoulder on the opposite side of said disk from said sleeve and a loose washer between said last mentioned shoulder and said disk.

2,029,917

PULVERIZATION

Martin Frisch, New York, N. Y., assignor to Fuller Wheeler Corporation, New York, N. Y., a corporation of New York

Application March 30, 1935, Serial No. 691,915
4 Claims. (Cl. 83—4)



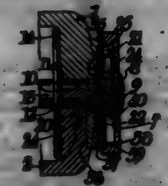
1. Pulverizing apparatus comprising a rotatable drum having an end trunnion providing an outlet for the drum, a classifier having an inlet member associated with said trunnion, means for withdrawing fluid from said classifier, a screw conveyor in said classifier and extending within said trunnion, a baffle providing a plurality of vertical passages in said classifier, said conveyor being situated at the bottom of said passages, and a screen at the bottom of one of said passages above said conveyor and disposed between the baffle and the drum outlet.

2,029,918

CAMERA CONSTRUCTION

Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Original application April 25, 1934, Serial No. 722,247. Divided and this application May 7, 1935, Serial No. 20,127
7 Claims. (Cl. 95—32)



1. In a film winding mechanism for cameras, the combination with a camera body, a removable back adapted to cover an opening in the camera body, spool chambers and an exposure frame carried by the camera, a forming carried by the camera and supporting a spool winding shaft extending through an aperture therein, a flange and slot connection between the camera back and body lying partially beneath the forming and making a light-tight connection, a winding knob mounted on the shaft and having an annular flange lying close to said forming and enclosing a pawl and ratchet adapted to prevent rotation of the knob and spool winding shaft in one direction.

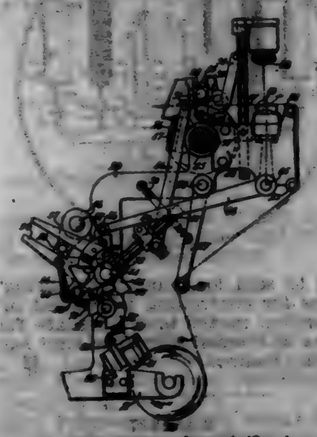
2,029,919

WEB REGISTERING DEVICE

Frederic B. Fuller, Springfield, Mass., assignor to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts

Application June 16, 1933, Serial No. 677,550
28 Claims. (Cl. 271—3.6)

1. In a web feeding device of the type in which the rate of feed of the web is controlled by the phase relation or position of indicia on the web relative to a detecting device, that construction of detecting device which comprises means movable at a speed different from the surface speed of the web and in the line of the web's motion, and mechanism responsive to variations in the phase in the cycle of the machine at which coincidence between said means and the indicia on the web occurs for varying the rate of feed of the web.



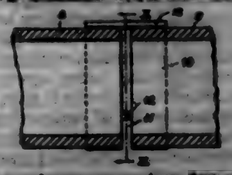
3. In a web feeding device of the type in which the amount of feed of the web is controlled by the phase relation or position of indicia on the web relative to a detecting device, that construction of detecting device comprising a light source, a photo-electric cell, and means for causing relative movement between the light source and the photo-electric cell along the path line of the web-borne indicia.

2,029,920

DRAIN TILE CONNECTER

Maurice R. Gutman, Lynbrook, N. Y.

Application March 17, 1934, Serial No. 716,118
8 Claims. (Cl. 61—10)



1. A drain pipe connecter for receiving pipe ends, comprising a band of generally annular form having a peripherally-extending slot over a portion of its circumference, and inwardly-extending stop shoulders adjacent to the ends of said slot.

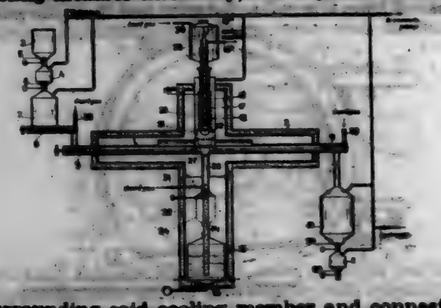
2,029,921

APPARATUS FOR PRODUCING SUBSTANTIALLY PURE MAGNESIUM

Fritz Hansgirg, Radentheln, Carinthia, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware

Original application February 2, 1933, Serial No. 655,967. Divided and this application October 13, 1933, Serial No. 693,478. In Austria February 11, 1932
10 Claims. (Cl. 202—23)

1. Apparatus for the distillation of magnesium comprising a distillation chamber provided with a conveyor for moving the magnesium material through it, a condenser connected to said chamber and comprising a cooling member extending substantially vertically, means for cooling said cooling member internally, and a jacket member



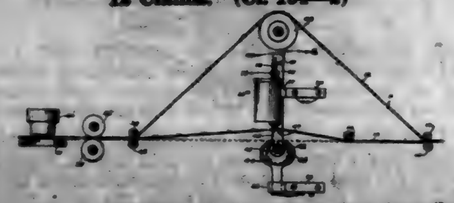
surrounding said cooling member and connected to said chamber to cause the incoming vapors to bathe the lowermost portion of said cooling member; and a receiver for the product of distillation connected to said condenser.

2,029,922

METHOD OF AND MACHINE FOR UNITING LAYERS OF MATERIAL

John T. Heckel and Ralph S. Walker, Indianapolis, Ind., assignors to Gold Dust Corporation, New York, N. Y., a corporation of New Jersey

Original application March 30, 1932, Serial No. 601,782. Divided and this application January 26, 1934, Serial No. 708,438
12 Claims. (Cl. 154—2)



1. In a machine of the character described, means to guide a traveling web of material, means periodically to urge a portion of said web upwardly, and means synchronized with the second named means for depositing a bit of adhesive upon the raised portion of the web, said second-named means being constructed and arranged to cause said portion of the web to fall away rapidly substantially immediately after the adhesive has been deposited.

6. A method of uniting layers of material comprising passing a web of material along a given path, intermittently displacing portions of said web to the proximity of a point of discharge of adhesive, quickly withdrawing the web when a bit of adhesive has been discharged thereon and superimposing another web of material on the first mentioned web.

2,029,923

SAFETY APPLIANCE FOR FLANGED WHEELS

James A. Herbert, Cleveland, Ohio; Elizabeth A. Herbert, executrix of said James A. Herbert, deceased, assignor of one-fourth to Gilbert Morgan, Cleveland, Ohio

Application July 29, 1932, Serial No. 625,795
9 Claims. (Cl. 104—279)

1. A device of the type described, comprising a locomotive pilot truck having flanged wheels ar-

from the central part of the doorway, a mounting at said central part, confined away from the central mid-height area of the doorway and rotatable on a vertical axis, to which mounting each one of the full number of wings have their radially inner portions individually detachably connected, and means spaced at intervals at radially outer stationary parts of the doorway for detachable pivotal connection with radially outer parts of the respective wings for swinging each wing singly away from said mounting upon disconnection from said mounting.

2,029,915

FEEDER AND CATCHER APPARATUS FOR ROLLING MILLS

Joseph E. Fawell, Pittsburgh, Pa.

Application May 21, 1932, Serial No. 612,670

8 Claims. (Cl. 80—47)



7. In combination with the rolls of a sheet rolling mill, spaced parallel supports extending at right angles to the roll pass and adapted to receive material delivered therefrom, an endless conveyor having spaced runs located between and paralleling said spaced supports, a pivotal mounting for the end of said conveyor remote from the mill, means for continuously driving said conveyor in a direction to carry material toward the mill and means including a crank arm and a motor adapted to rotate in one direction only for periodically raising and lowering said conveyor about its pivotal mounting.

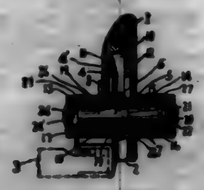
2,029,916

PAPER TRIMMER

Charles L. Friermood, Springfield, Ohio, assignor to Charles K. Hullinger, receiver for the Ridgely Trimmer Company, Springfield, Ohio, a corporation of Ohio

Application June 27, 1935, Serial No. 28,625

5 Claims. (Cl. 164—84)



5. In a paper trimmer, a body having a recess and a pair of aligned oppositely extending trunnions, an axle carried by one of said trunnions and having a threaded connection therewith so as to be capable of axial adjustment, said axle extending across said recess and loosely into the opposite trunnion, a cutting disk located in said recess and loosely mounted on said axle, a sleeve slidably mounted on said axle in said last mentioned trunnion, the inner end of said sleeve having a flange, a screw in said last mentioned trunnion having a shoulder to engage and move said sleeve, said axle having a shoulder on the opposite side of said disk from said sleeve and a loose washer between said last mentioned shoulder and said disk.

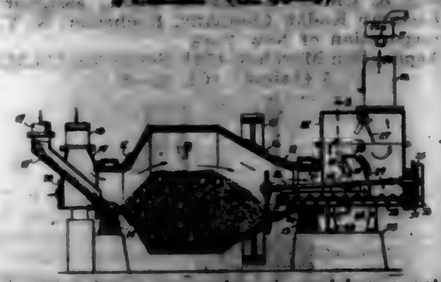
2,029,917

PULVERIZATION

Martin Frisch, New York, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York

Application March 26, 1932, Serial No. 601,915

5 Claims. (Cl. 83—9)



1. Pulverizing apparatus comprising a rotatable drum having an end trunnion providing an outlet for the drum, a classifier having an inlet member associated with said trunnion, means for withdrawing fluid from said classifier, a screw conveyor in said classifier and extending within said trunnion, a baffle providing a plurality of vertical passages in said classifier, said conveyor being situated at the bottom of said passages, and a screen at the bottom of one of said passages above said conveyor and disposed between the baffle and the drum outlet.

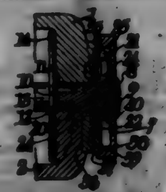
2,029,918

CAMERA CONSTRUCTION

Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Original application April 25, 1934, Serial No. 722,247. Divided and this application May 7, 1935, Serial No. 20,127

7 Claims. (Cl. 95—32)



1. In a film winding mechanism for cameras, the combination with a camera body, a removable back adapted to cover an opening in the camera body, spool chambers and an exposure frame carried by the camera, a forming carried by the camera and supporting a spool winding shaft extending through an aperture therein, a flange and slot connection between the camera back and body lying partially beneath the forming and making a light-tight connection, a winding knob mounted on the shaft and having an annular flange lying close to said forming and enclosing a pawl and ratchet adapted to prevent rotation of the knob and spool winding shaft in one direction.

2,029,919

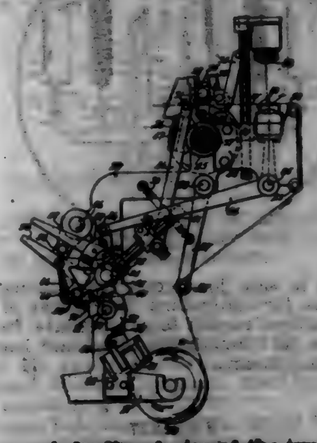
WEB REGISTERING DEVICE

Frederic B. Fuller, Springfield, Mass., assignor to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts

Application June 16, 1932, Serial No. 617,550

28 Claims. (Cl. 271—6.6)

1. In a web feeding device of the type in which the rate of feed of the web is controlled by the phase relation or position of indicia on the web relative to a detecting device, that construction of detecting device which comprises means movable at a speed different from the surface speed of the web and in the line of the web's motion, and mechanism responsive to variations in the phase in the cycle of the machine at which coincidence between said means and the indicia on the web occurs for varying the rate of feed of the web.



3. In a web feeding device of the type in which the amount of feed of the web is controlled by the phase relation or position of indicia on the web relative to a detecting device, that construction of detecting device comprising a light source, a photo-electric cell, and means for causing relative movement between the light source and the photo-electric cell along the path line of the web-borne indicia.

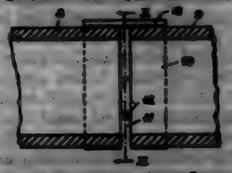
2,029,920

DRAIN TILE CONNECTER

Maurice R. Gutman, Lynbrook, N. Y.

Application March 17, 1934, Serial No. 716,118

8 Claims. (Cl. 61—18)



1. A drain pipe connecter for receiving pipe ends, comprising a band of generally annular form having a peripherally-extending slot over a portion of its circumference, and inwardly-extending stop shoulders adjacent to the ends of said slot.

2,029,921

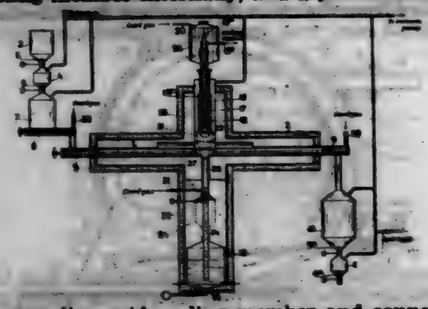
APPARATUS FOR PRODUCING SUBSTANTIALLY PURE MAGNESIUM

Fritz Hansgirg, Eisenthein, Carinthia, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware

Original application February 3, 1932, Serial No. 655,987. Divided and this application October 13, 1933, Serial No. 693,470. In Austria February 11, 1932

10 Claims. (Cl. 204—70)

1. Apparatus for the distillation of magnesium comprising a distillation chamber provided with a conveyor for moving the magnesium material through it, a condenser connected to said chamber and comprising a cooling member extending substantially vertically, means for cooling said cooling member internally, and a jacket member surrounding said cooling member and connected to said chamber to cause the incoming vapors to bathe the lowermost portion of said cooling member; and a receiver for the product of distillation connected to said condenser.



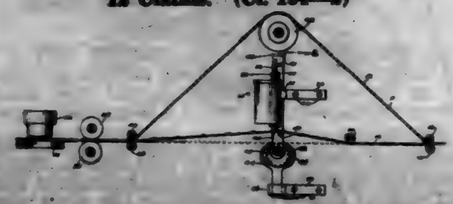
2,029,922

METHOD OF AND MACHINE FOR UNITING LAYERS OF MATERIAL

John T. Heckel and Ralph S. Walker, Indianapolis, Ind., assignors to Gold Dust Corporation, New York, N. Y., a corporation of New Jersey

Original application March 20, 1933, Serial No. 661,782. Divided and this application January 26, 1934, Serial No. 708,433

12 Claims. (Cl. 154—2)



1. In a machine of the character described, means to guide a traveling web of material, means periodically to urge a portion of said web upwardly, and means synchronized with the second named means for depositing a bit of adhesive upon the raised portion of the web, said second-named means being constructed and arranged to cause said portion of the web to fall away rapidly substantially immediately after the adhesive has been deposited.

6. A method of uniting layers of material comprising passing a web of material along a given path, intermittently displacing portions of said web to the proximity of a point of discharge of adhesive, quickly withdrawing the web when a bit of adhesive has been discharged thereon and superimposing another web of material on the first mentioned web.

2,029,923

SAFETY APPLIANCE FOR FLANGED WHEELS

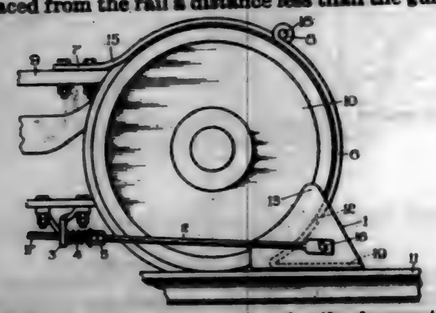
James A. Herbert, Cleveland, Ohio; Elizabeth A. Herbert, executrix of said James A. Herbert, deceased, assignor of one-fourth to Gilbert Morgan, Cleveland, Ohio

Application July 29, 1932, Serial No. 625,795

9 Claims. (Cl. 104—270)

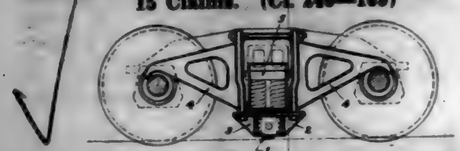
1. A device of the type described, comprising a locomotive pilot truck having flanged wheels ar-

ranged to run on rails, an antiderailing block, a connection between the block and the truck to support the block in stationary spaced relation with the wheel and its rail, said block being spaced from the rail a distance less than the guid-



ing height of the flange, whereby the locomotive can run at full speed without contact between rail and block, but at all times with the wheel guarded against any obstruction large enough to lift the wheel flange above the rail.

2,023,924
SAFETY APPLIANCE FOR TRUCKS OF RAILWAY CARS
James A. Herbert, Cleveland, Ohio; Elizabeth A. Herbert, executrix of said James A. Herbert, deceased, assignor of one-fourth to Gilbert Morgan, Cleveland, Ohio
Application September 2, 1932, Serial No. 631,480
15 Claims. (Cl. 246—169)



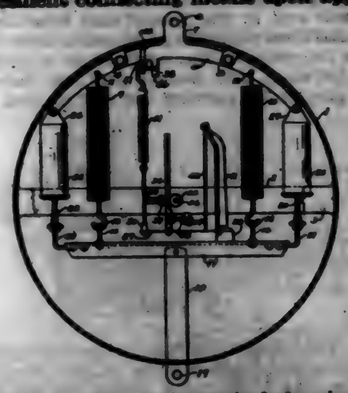
1. In a safety device for railway cars having supporting wheels, brakes for said wheels, control means for said brakes, and means associated with said control means for operating the same upon the falling of any one of said cars, to apply the brakes on all the other cars and prevent the application of the brakes upon the fallen car.

2,023,925
CELLULOSE ORGANIC ESTER COMPOSITIONS CONTAINING A PROPIONYL ESTER OF GLYCEROL
David C. Hull, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application April 10, 1933, Serial No. 665,335
10 Claims. (Cl. 106—48)

1. A composition of matter comprising a cellulose organic acid ester and, as a plasticiser therefor, a compound selected from the group consisting of glycerol diproprionate and glycerol dipropionate monoacetate.

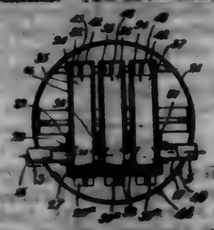
2,023,926
WEIGHING SCALE
Samuel N. Hurt, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application February 2, 1935, Serial No. 4,618
7 Claims. (Cl. 265—69)

1. In a device of the class described, in combination, spring load-counterbalancing means, indicator-operating means, resilient means connecting said load-counterbalancing means and said indicator-operating means, means for flexing said resilient connecting means upon application



of a load to said load-counterbalancing means, and means for controlling the extent of flexure of said resilient means to compensate for effects of changes in temperature upon said load-counterbalancing means.

2,023,927
WATER HEATER
Thomas H. Ireland, Rockville Centre, N. Y.
Application September 23, 1934, Serial No. 745,841
6 Claims. (Cl. 257—254)

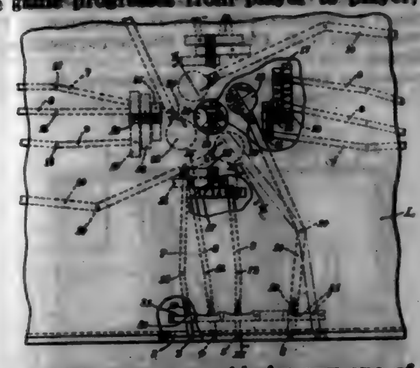


1. A heat exchanger device comprising a casing having a continuous bore extending longitudinally therethrough, a plurality of tubes radiating from said bore at spaced intervals longitudinally thereof, the chambers of said tubes opening into and being in communication through said bore, means arranged longitudinally of said tubes and extending through said bore for subdividing the tubes into independent circulating passages placed in communication with each other at the free end of the tubes said last named means comprising plates, and the casing having spaced passages in alinement with said tubes and communicating with the bore of said casing to provide attachment and detachment of the plates with respect to said tubes.

2,023,928
RECORDING SAFETY GAME BOARD
Hubert F. Kranis, West Palm Beach, Fla., assignor to Recording Card Table Company, Inc., West Palm Beach, Fla., a corporation of Florida
Application August 11, 1933, Serial No. 684,668
7 Claims. (Cl. 272—143)

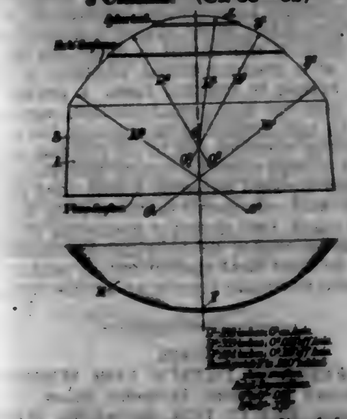
1. A game board of the class described including parts providing a playing surface, a rotatably mounted member having indicia thereon regarding the duties of the different players, and a plurality of members one for each player operable to rotate said rotatable member thereby to

indicate the changed duties of the players as the game progresses from player to player, to-



gether with means movable by any one of said plurality of members to cover and conceal the indicia on said rotatable member.

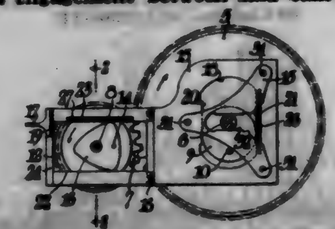
2,023,935
CATADIOPTRIC UNIT
Richard W. Lace, Elizabeth, N. J., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application February 21, 1933, Serial No. 657,831
3 Claims. (Cl. 88—83)



1. A lens for use in a catadioptric unit and having one plane surface and the other surface convex and divided into a series of coaxial zones, the center zone being a portion of a spherical surface, the outer zones being toric in contour and the average focal points of the several zones being coincident, whereby the total spherical aberration is less than that of an equivalent single spherical surface and a controlled amount of diffusion is introduced due to the differences in the signs of the spherical aberration of the adjacent portions of the successive zones.

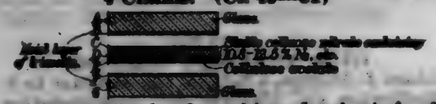
2,023,936
CAM FOLLOWER FOR A STRIP ADVANCING MECHANISM
Louis D. Martin, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application November 30, 1934, Serial No. 755,459
3 Claims. (Cl. 74—34)

1. In a device of the character described, the combination with a movable cam composed of a non-metallic composition which is susceptible to change in size with change in atmospheric conditions, of a cam follower having a pair of juxtaposed surfaces for engaging opposite surfaces of said cam, and including a resilient portion carrying one of said surfaces and for insuring continuous engagement between said cam surfaces



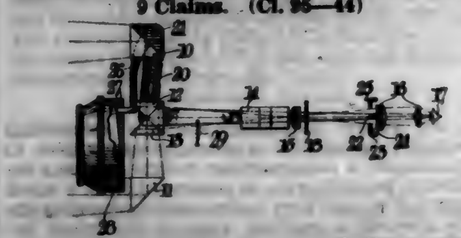
and said follower surfaces, said resilient portion also being flexible for movement with respect to said follower without altering the condition of continuous engagement between said cam and follower and being flexed upon change in the size of said cam, which change in size results from change in atmospheric conditions.

2,023,931
LAMINATED GLASS AND METHOD OF MAKING THE SAME
James G. McNally, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application July 28, 1932, Serial No. 625,709
4 Claims. (Cl. 49—81)



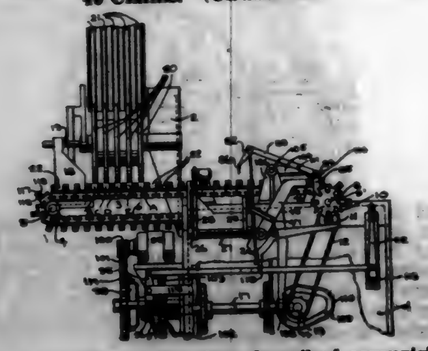
1. The method of making laminated glass which comprises placing a sheet of cellulose organic ester having on each face thereof an adherent coating of a stable cellulose nitrate having a nitrogen content of 10.8–12.5%, a viscosity of not more than 50 seconds, and an ash of not more than .4%, between sheets of glass, interposing a thin layer of triacetin between the contiguous surfaces of glass and cellulose nitrate, and uniting the sheets by heat and pressure.

2,023,932
RANGE FINDER FOR CAMERAS
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application September 6, 1934, Serial No. 742,948
9 Claims. (Cl. 95—44)



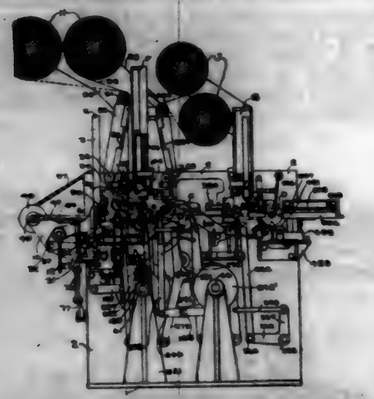
1. A photographic camera including a casing, a lens mount carried by the casing and having a part movable for focusing, a range finder mounted on said casing and provided with an operating lever adapted to be actuated in strict accordance with the focusing adjustment of the movable part of the lens mount, and means for actuating said operating lever independently of the movable part of said lens mount.

2,029,933
RAZOR BLADE PACKAGING MACHINE
Michael J. Milmoe, Chicago, Ill., assignor to F. B. Redington Company, Chicago, Ill., a corporation of Illinois
Application July 2, 1929, Serial No. 375,616
40 Claims. (Cl. 226—14)



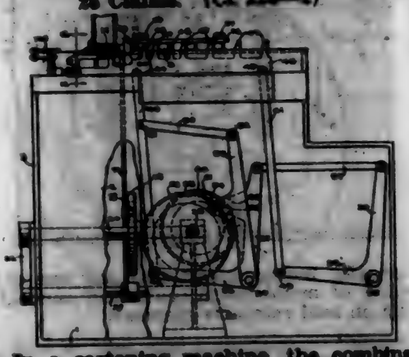
1. A machine of the class described comprising means for receiving a predetermined number of articles formed in a stack, a single means for detecting when there are less than the required number of articles in said stack, and a normally inoperative ejector operated by said detecting means for ejecting the stack of articles from the receiving means in the event that there are less than the required number of articles therein.

2,029,934
GUM WRAPPING MACHINE
Michael J. Milmoe, Chicago, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application July 26, 1930, Serial No. 471,935
37 Claims. (Cl. 93—7)



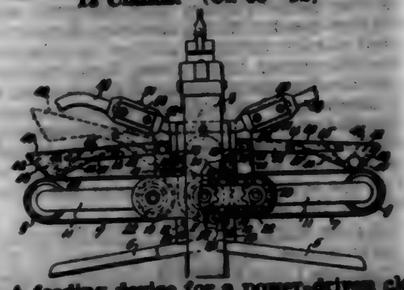
1. An article packaging machine comprising means for supporting a plurality of articles to be packaged, a reciprocating member, means for removing an article to be packaged from a stack supported by said first means and for moving the same towards a position where a wrapping operation is to take place, and supplemental means for moving said article toward said position after said article has been moved a predetermined distance by said article removing means and while said reciprocating member is returning to its original position, said supplemental means being adapted to begin its action upon said article while the article is still under motion due to being moved by said removing means.

2,029,935
CARTON FEEDING MECHANISM
Michael J. Milmoe, Chicago, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application December 12, 1930, Serial No. 502,984
26 Claims. (Cl. 226—2)



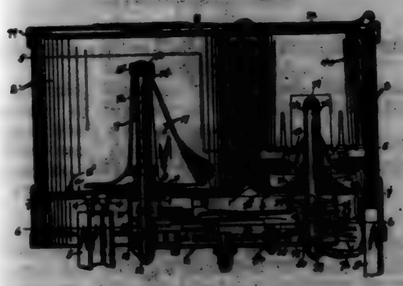
1. In a cartoning machine, the combination with a conveyor having a plurality of article receiving pockets, a hopper for receiving a plurality of cartons, a transport member having a stripping member carried thereby and movable relatively thereto, means for moving said stripping member in timed relation to the movements of said conveyor, means for normally holding said stripping member in operative position to remove a carton from said hopper as said transport moves along its path of movement, a detecting member arranged at a predetermined position to detect when an article is missing from a pocket presented at said last mentioned position, and means operated by said detecting mechanism for moving said stripping member out of its normal path of movement if and when an empty pocket is found to be empty by said detector a sufficient amount to prevent said stripper from stripping a carton from said stack, said detector operating in such a manner as to render said stripping member inoperative to feed that carton out of said hopper which would normally receive an article from said pocket.

2,029,936
SAFETY FEEDING DEVICE FOR WRINGERS
Henry L. Merin, Holyoke, Mass.
Application July 17, 1931, Serial No. 551,423
13 Claims. (Cl. 68—32)



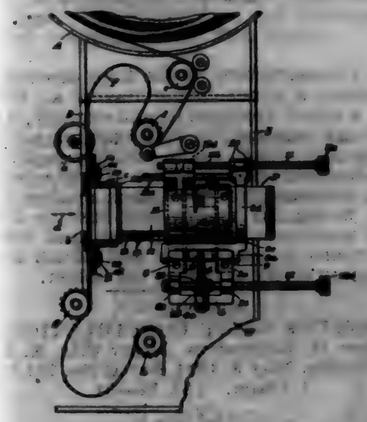
1. A feeding device for a power-driven clothes wringer which comprises a belt for feeding clothes to or from the wringer rolls, means to drive the belt, a pivotally mounted guard overlying the belt, the free edge of the guard being provided with a rigid, downwardly extending blunt edged, weighted smoothing member normally contacting with the belt and beneath which the clothes are drawn by the belt in their passage to the wringer rolls.

2,029,937
COMBINED WASHING AND DRYING MACHINE
Jabez Curry Nelson, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application May 6, 1931, Serial No. 535,542
5 Claims. (Cl. 68—15)



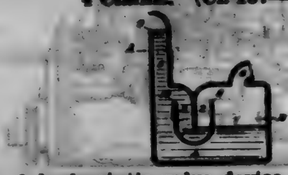
1. In a device of the class described, a washing vat substantially square in cross section in which an agitator is oscillatably mounted, a drying vat substantially square in cross section in which a centrifuge is mounted, a common base for the washing and drying vats whereby they may be mounted in juxtaposition and through which the drive shafts for the agitator and centrifuge pass, said common base having depressed portions conforming in shape to and being adapted to receive, the bottoms of the vats.

2,029,938
PROJECTION APPARATUS
David F. Newman, Rockville Centre, N. Y., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y., a corporation of Delaware
Application July 21, 1934, Serial No. 736,390
11 Claims. (Cl. 88—24)



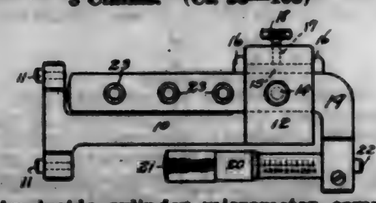
1. The combination with the vertical wall dividing a projector mechanism housing into compartments, of vertical guiding means, a bracket adjustable along said guiding means, means carried by the horizontal section of said bracket for supporting a projection lens, and manually operable screw-threaded means for adjusting said bracket in either of opposite vertical directions along said guiding means.

2,029,939
HYDROSTATIC VALVE, MORE PARTICULARLY FOR SIPHON DISCHARGE APPARATUS
Ruggero Niccolai, Rome, Italy
Application June 22, 1934, Serial No. 731,997
In Italy August 22, 1933
4 Claims. (Cl. 137—106)



1. A hydrostatic valve device characterised by two parallelly disposed inverted siphons, one of which descends to a lower point than the other and is provided with a large chamber, in which the liquid with its free surface can make a vertical stroke which corresponds to the total stroke of the arm of the other siphon, the said arm being connected to the chamber, means for supplying gas to the said chamber and to the said arm under variable pressure, and the other two arms of both siphons being connected and carried upwardly into a hydraulic loading circuit provided with an overflow, the capacity of the chamber corresponding to the above-mentioned stroke being sufficient to contain the quantity of liquid which flows back out of the above-mentioned discharge conduit when the gas under varying pressure forces the liquid out of the siphon so that it falls to a minimum level, which is higher than that of the other siphon.

2,029,940
MICROMETER
William Pinola, Altoona, Pa.
Application August 11, 1933, Serial No. 684,716
3 Claims. (Cl. 33—165)

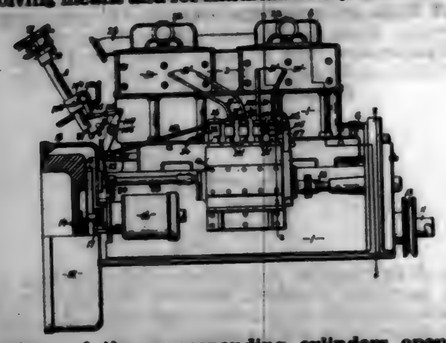


1. An inside cylinder micrometer comprising an inverted T-shaped base provided with two aligned hardened steel points for engaging one of the cylinder walls; a yoke; means for securing the yoke to the T-shaped frame; a micrometer head carried by the said yoke; means for advancing the point of the micrometer until the opposite cylinder wall is engaged; means for reading the exact diameter of the cylinder and means for retracting the micrometer point.

2,029,941
INTERNAL COMBUSTION ENGINE "DIESEL"
Henry Pokorney, Rome, N. Y.
Application February 18, 1932, Serial No. 593,942
8 Claims. (Cl. 123—139)

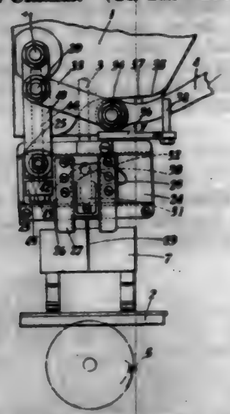
1. In an engine of the character described, a plurality of cylinders arranged in line, each cylinder having an air inlet and a valve for opening and closing said inlet, means for operating said valves, a fuel pump for each of said cylinders, a plunger for each of said pumps, a pivoted arm for engaging each of said plungers, revolving means for periodically engaging said arms to actuate said plungers, and means operable at will for

selectively disengaging said arms from said revolving means and for simultaneously holding said



valves of the corresponding cylinders open to reduce the load on the engine when starting.

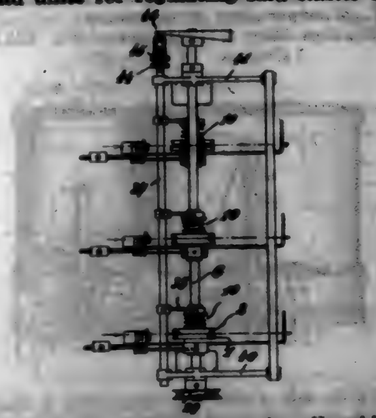
2,029,542
SEWING MACHINE
Naham Rapaport and Edward West Armstrong, Belfast, Northern Ireland, and Oliver George Hutchinson, Brighton, England
Application November 18, 1932, Serial No. 643,276
In Great Britain November 30, 1931
33 Claims. (Cl. 112—158)



1. In a sewing machine, the combination of means for reciprocating the needle axially, means for throwing the needle to and fro laterally to a variable extent in a plane transverse to the line of sewing, a rotary hook actuable in timed relationship with the needle reciprocating and throwing means, manually-controlled means for varying the extent of the needle throwing at the will of the operator, and means varying the height at which the needle reciprocates in dependence on the variable lateral throw imparted to the needle and thereby ensuring proper presentation of the needle thread loops to the hook in all of the variable lateral positions of the needle.

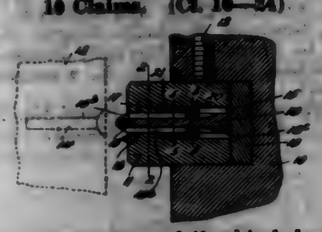
2,029,543
YARN AND THREAD TENSIONING MECHANISM FOR COP WINDING AND LIKE TEXTILE MACHINES
Wilhelm Reimers and Gustav Kahlisch, Gladbach-Rheydt, Germany, ass'gnors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany, a German corporation
Application July 18, 1934, Serial No. 735,888
In Germany April 4, 1934
2 Claims. (Cl. 242—150)

1. Yarn tensioning mechanism comprising in combination a plurality of tensioning units, each consisting of two rotatable brake disks arranged for yarn to pass with friction between them, elastic means whereby one disk of each unit is urged towards the other disk, means common to all said units for regulating said elastic means,



driving mechanism common to all said units, for each of said units a friction coupling connecting it to said driving mechanism, and for each of said units a stop motion device adapted on breakage of yarn to uncouple the unit from said driving mechanism.

2,029,544
RECESS FORMING PUNCH AND HOLDER
Vincent James Reddy, Providence, R. I., assignor to American Screw Company, Providence, R. I., a corporation of Rhode Island
Application November 7, 1934, Serial No. 751,946
10 Claims. (Cl. 10—24)



1. In a construction of the kind described, in combination, a punch holder having an opening therein, a punch mounted in said opening, a locking bushing arranged in said opening and surrounding said punch, said bushing and punch having interengaging surfaces thereon to limit forward movement of said punch relative to the bushing, means for holding said bushing against forward movement in said holder, and interengaging means on said holder and punch to prevent rotation of the punch in the holder.

2,029,545
DENTURE VALVE CONSTRUCTION
Milton M. Rubinstein, Jersey City, N. J.
Application May 8, 1934, Serial No. 724,556
1 Claim. (Cl. 32—3)



In combination, a denture including a base adapted to fit over the gum, said base having an air passageway for the withdrawal of air from between the gum and the base, a hollow valve one face of which is an elastic substantially flat diaphragm normally closing said passageway but adapted to open the same by its responsiveness to a difference in air pressure on its opposite faces created by suction induced by the user.

2,029,546
PROCESS OF MAKING PHOTOGRAPHIC EMULSIONS
Max Schmid, Riehen, near Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application December 8, 1933, Serial No. 701,531. In Switzerland December 10, 1932
4 Claims. (Cl. 95—7)

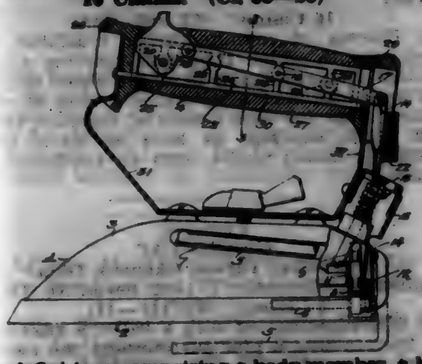
1. Process of making photographic silver halide gelatine emulsions by mixing the components necessary for the preparation of the emulsions and ripening the emulsions, consisting in withdrawing during the ripening of the silver halide gelatine emulsion at least two portions thereof, of different degrees of ripeness, and then uniting them.

2,029,547
FACIAL MASK AND METHOD OF MAKING THE SAME
Ruth M. Schmitt, New York, and Cornelia M. Bell, New Rochelle, N. Y.
Application July 21, 1935, Serial No. 31,063
9 Claims. (Cl. 128—146)



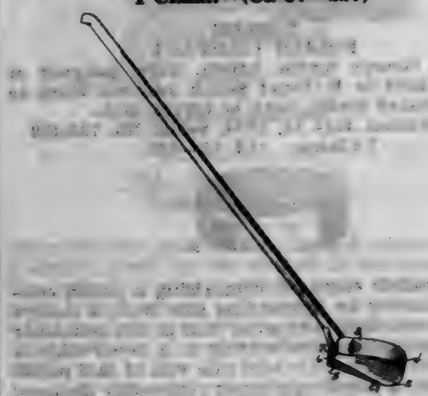
1. A facial mask, comprising a body of waxed paper, an inner layer of gauze, and upper and lower tapes, said gauze layer and said tapes having wax connection with said paper.

2,029,548
FLATIRON
Walter M. Schwartz, Philadelphia, Pa., assignor to Procter & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application September 30, 1933, Serial No. 691,644
10 Claims. (Cl. 38—26)



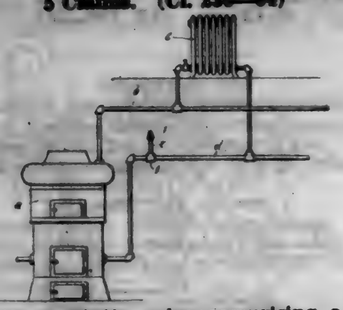
1. A flat iron comprising a body member, a hollow handle for said member, support means for the iron adjustably mounted on said body, means operative to normally retract said support, and manual support-actuating means mounted within the handle for urging the support into operative position.

2,029,549
LAWN EDGER
Charles S. Scott, Bluffton, Ind.
Application April 8, 1935, Serial No. 15,339
1 Claim. (Cl. 97—227)



An implement of the class described comprising a scoop having a flat bottom wall, a rounded front wall and side walls and open at its top and rear end, said scoop being formed along one side edge thereof with a trough shaped rib depending from said bottom wall and inclining downwardly and rearwardly, said rib being open at its rear end and provided at said end with cutting edges, a socket member secured in said scoop to said bottom wall at one side of said rib, and a handle secured in said socket and inclining upwardly and rearwardly and also laterally of said scoop.

2,029,550
THERMOSTATIC RELIEF VALVE
William K. Simpson, Waterbury, Conn., assignor to Hoffman Specialty Company, Waterbury, Conn., a corporation of Illinois
Application February 2, 1933, Serial No. 655,076
5 Claims. (Cl. 236—64)



1. A thermostatic valve comprising a casing having a relatively large open end and a wall extending across the opposite end containing a vent port, the intermediate sides of the casing having a threaded zone of smaller diameter than the open end, a thermostatic unit comprising a dished base and a flexible diaphragm hermetically sealed at its rim to the base across the concave side of the latter, the base having a skirt complementally threaded to engage the threaded zone of the casing, and being separated from the encircling walls of the casing, which skirt has

one or more ports for making communication between the interior spaces of the shell at opposite sides of the thermostat, a valve element carried by said diaphragm in position to open and close said port with movements of the diaphragm effected by expansion and contraction of fluid in the thermostat chamber, and fastening means holding the threaded skirt immovably at a given point of engagement with the threaded zone.

2,029,951

POLISH COMPACT

Arthur George Smith, Elyria, Ohio, assignor of one-third to E. Janet Smith and one-third to C. Willard Smith, both of Elyria, Ohio

Application July 16, 1934, Serial No. 735,420
5 Claims. (Cl. 15—258)



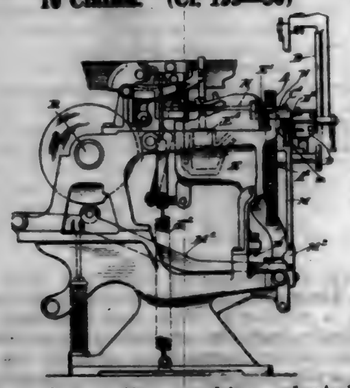
1. A polish compact, comprising a polish container having an upstanding side wall, a closure means removably engaging said polish container and terminating downwardly in a cover edge, a tab receiving recess in said side wall of said polish container, a polish applicator removably disposed in said polish container engaged by said closure means, and a tab forming a part of said polish applicator and removably positioned within said tab receiving recess in said side wall of said polish container in contact with and substantially sealing said polish container and said closure means and adapted for being interposed between said cover edge of said closure means and a finger tip during the separation of said closure means from said polish container.

2,029,952

SLUG CASTING MACHINE

Anthony J. Stouges, Queens Village, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York

Original application June 19, 1931, Serial No. 545,398. Divided and this application January 31, 1933, Serial No. 654,558. In Great Britain January 25, 1932
10 Claims. (Cl. 199—56)



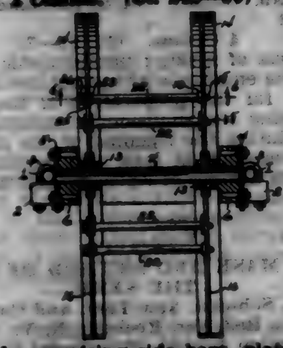
1. In a slug casting machine, adapted to be equipped with a non-expansible composed matrix line of a given length, the combination of a supporting frame, right and left hand clamping jaws mounted for horizontal movement in said frame, a transporter for positioning said matrix line between said jaws, positive means for moving the left hand jaw toward the opposing jaw from a normal to a definite predetermined position, said means having a range of movement sufficient to reduce the distance between the jaws to less than the length of said matrix line, a line-clamping spring arranged behind the right hand jaw to permit it to yield under the thrust of the left hand jaw through the composed matrix line, and a fixed stop to limit the yielding movement of the right hand jaw.

2,029,953

WIRE REEL

John R. Sutliff, Lagina, Oreg.

Application December 3, 1934, Serial No. 755,824
2 Claims. (Cl. 242—96)



1. A reel comprising side bars, plates secured to the rear ends of the bars, one of said plates being imperforate and the other plate having an opening therethrough, blocks secured to the inner sides of the plates and having central openings, an axle inserted through the openings with one end abutting the imperforate plate, a lever pivoted on said plate below the opening therein, yieldable means normally holding the lever across the opening, a guard extending over the lever and against which the lever may abut to be held at one side of the opening, and a carrier rotatably mounted on the axle.

2,029,954

MANUFACTURE OF SYNTHETIC RESINS OF THE AMINE-ALDEHYDE TYPE

Theodor Sutter, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application January 23, 1933, Serial No. 653,217. In Switzerland February 5, 1932
10 Claims. (Cl. 260—130)

1. Process of manufacturing moldable synthetic resins, which comprises reacting a polynuclear aromatic amine base, the nuclei of which are linked together by less than 2 mols of methylene-groups for each 2 mols of aromatic radicle and which contains at least as many amine groups as linked nuclei, with an aldehydic substance.

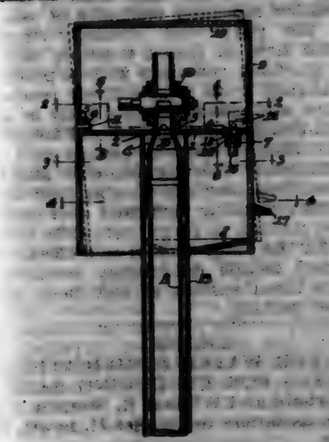
2,029,955

GUARD CAP

Henry Ray Taylor, Okemah, Okla.

Application November 7, 1934, Serial No. 751,911
2 Claims. (Cl. 137—12)

1. The combination with a valve, a riser leading thereto, and a pipe surrounding the riser, of a disk joined to said pipe, said disk having an opening therein, a hook upon the disk, an arcuate shield friedly joined to the pipe and located beneath the opening, a cap movable into position around the disk and shield, separate means carried by the cap for engaging the disk to support the cap, there being a finger depending from one of said means, said cap being rotatable relative to the disk to position one of said means in engagement with the hook and to bring the finger into the opening, a guard depending from the disk and extending around the opening to house the end of the finger, and a removable lock insertable into the guard for engagement with the finger above the shield, said lock being suspended within and surrounded and protected by the cap.

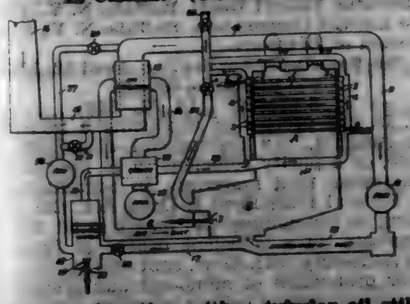


2,029,956

METHOD AND APPARATUS FOR FIRING OIL STILLS

Clarence H. Thayer, Wallingford, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application August 15, 1935, Serial No. 36,234
12 Claims. (Cl. 196—110)



9. The combination with a tubular oil still in which the tubes are connected by return bends of header boxes surrounding said return bends, means for introducing an inert gas into said header boxes, and means for flowing gases from said header boxes to the combustion zone of said still.

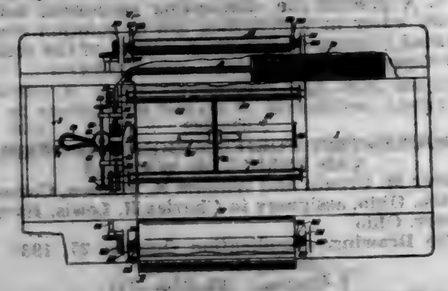
2,029,957

ELECTRICAL MULTIPLE TYPEWRITER

Jakow Trachtenberg, Berlin-Charlottenburg, Germany

Application November 5, 1931, Serial No. 573,215
In Germany January 26, 1928
2 Claims. (Cl. 197—12)

1. An electrical multiple typewriter comprising a continuously rotatable typewheel, a platen, electro-magnetic typing means for bringing the platen into contact with a definite type on the typewheel, a contact arm rotating continuously and synchronously with the typewheel, a plurality of contact stops, a keyboard comprising a plurality of keys, electro-magnetic means operated by the keys and adapted to bring the contact



stops into the path of the rotating contact arm, a circuit closed by the contact of the stops and the contact arm and operating the electro-magnetic typing means, and means whereby the rotating contact arm returns the contact stops to their position of repose after closing said circuit.

2,029,958

PROCESS FOR THE PURIFICATION OF ORGANICALLY POLLUTED WATERS

Oliver M. Urbain, Columbus, Ohio, assignor to Charles H. Lewis, Harpster, Ohio

No Drawing. Application August 28, 1933. Serial No. 687,245
5 Claims. (Cl. 210—2)

1. A process for oxidizing putrescible organic matter in water comprising passing diffused air through the water containing the organic matter to be oxidized and promoting the oxidation by the employment of a catalyser in the form of a compound belonging to the class including the salts and hydroxides of a metal which can be oxidized at least two units of valence selected from the group including chromium, manganese, osmium, tin, vanadium, antimony, bismuth, molybdenum and selenium and continuing the passage of air through the water until at least a substantial portion of the catalyser compound has been oxidized through two units of valence.

2,029,959

PROCESS OF WATER PURIFICATION

Oliver M. Urbain, Columbus, Ohio, assignor to Charles H. Lewis, Harpster, Ohio

No Drawing. Application July 23, 1934, Serial No. 737,472
3 Claims. (Cl. 210—2)

1. A process for eliminating amines, cyclic amides and hydroxy compounds from water comprising reacting therewith a reagent of the isocyanate group.

2,029,960

PROCESS OF WATER PURIFICATION

Oliver M. Urbain, Columbus, Ohio, assignor to Charles H. Lewis, Harpster, Ohio

No Drawing. Application July 23, 1934, Serial No. 737,474
2 Claims. (Cl. 210—2)

1. A process for the elimination of amines and cyclic amides from water which comprises reacting therewith a reagent of the acidic phenol group.

2,029,961
PROCESS OF WATER PURIFICATION
Oliver M. Urbain, Columbus, Ohio, assignor to Charles H. Lewis, Harpster, Ohio
No Drawing. Application July 28, 1934, Serial No. 737,475
3 Claims. (Cl. 210—2)

1. A process for eliminating carboxylic acids from water in which they are in solution comprising reacting therewith a reagent of the acidic amine salt group.

2,029,962
PROCESS FOR PURIFICATION OF POTABLE AND POLLUTED WATERS
Oliver M. Urbain and William R. Stemen, Columbus, Ohio, assignors to Charles H. Lewis, Harpster, Ohio
No Drawing. Application October 27, 1934, Serial No. 750,386
6 Claims. (Cl. 210—23)

1. In a process for the treatment of potable and polluted waters, the step of subjecting the water to the action of chlorinated coal.

2,029,963
PROCESS FOR PURIFICATION OF POTABLE AND POLLUTED WATERS
Oliver M. Urbain and William R. Stemen, Columbus, Ohio, assignors to Charles H. Lewis, Harpster, Ohio
No Drawing. Application October 27, 1934, Serial No. 750,387
6 Claims. (Cl. 210—23)

1. In a process for the treatment of potable and polluted waters, the step of subjecting the water to the action of hydroxylated chlorinated coal.

2,029,964
PROCESS FOR PURIFICATION OF POTABLE AND POLLUTED WATERS
Oliver M. Urbain and William R. Stemen, Columbus, Ohio, assignors to Charles H. Lewis, Harpster, Ohio
No Drawing. Application April 1, 1935, Serial No. 14,185
2 Claims. (Cl. 210—2)

1. In a process for the treatment of potable and polluted waters, the step of subjecting the water to the action of etherated chlorinated coal.

2,029,965
WINDOW VENTILATOR
Damase J. Roy, North Attleboro, Mass.
Application April 16, 1935, Serial No. 16,648
1 Claim. (Cl. 98—96)



A rectangular window ventilator comprising a wooden body portion of a length substantially that of a window frame or window, of a substantial height, and of a substantial thickness having a longitudinal slot substantially the length thereof extending obliquely therethrough, said body having means on the edges thereof adapted to be non-leakably secured to a window pane edge and sash panel or a window frame, said body having an inner surface having an inset portion extending substantially over said inner surface, a closure plate vertically slidably mounted in said inset portion and having a central hole near the lower edge thereof, a hinged locking member mounted centrally of said plate having a pin projecting inwardly therefrom through said hole in closed position, said body also being provided centrally with a plurality of vertically aligned holes to selectively receive said pin to secure said closure to said body in adjustable vertical positions relative to said longitudinal slot, in a position completely closing said slot, a position completely opening said slot, and a plurality of positions partially closing said slot, retaining strips extending vertically over each edge of said inset portion to form therewith, retaining guideways for the outer ends of said closure plate, and threaded means detachably securing said strips to the inner surface of said body exterior of said inset portion.

2,029,966
REAGENT FOR WATER PURIFICATION AND PROCESS FOR PRODUCING SAME
Oliver M. Urbain and William R. Stemen, Columbus, Ohio, assignors to Charles H. Lewis, Harpster, Ohio
No Drawing. Application May 18, 1933, Serial No. 12,261
6 Claims. (Cl. 210—2)

1. A reagent for use in the purification of water comprising a nitrated oxidized carbonaceous material formed by reacting a carbonaceous material selected from the group consisting of bituminous coal, anthracite coal, lignite coal, cannel coal, peat and coke with a reagent selected from the group consisting of nitric acid, nitric acid and sulfuric acid, nitric acid and orthophosphoric acid, nitrous oxide and nitrogen dioxide.

2,029,967
TREATMENT OF COMMERCIAL DICALCIUM PHOSPHATE
Franciscus Visser't Hooft, Buffalo, N. Y., assignor to Lucidol Corporation, Buffalo, N. Y., a corporation of Delaware
No Drawing. Application April 22, 1933, Serial No. 667,495
5 Claims. (Cl. 23—243)

1. In the process of producing a non-caking, free-running, dry commercial dicalcium phosphate, of a purity sufficient to be used in edible farinaceous food materials, in compliance with the Federal Pure Food & Drug Act, the step of adding to dry commercial precipitated dicalcium phosphate, of a sufficient degree of fineness to mix uniformly with flour, containing only a very minor proportion of mono-calcium phosphate, a dry non-poisonous caking inhibitor consisting of a substance which will neutralize acidity of any mono-calcium phosphate present, said inhibitor being a compound of an alkali-forming metal, and which substance, ingested in small amounts, is non-injurious to health.

2,029,968
MANUFACTURE OF TEXTILES
Leo Wallerstein, Rowland A. Gale, and Thomas G. Hawley, Jr., New York, N. Y., assignors to Wallerstein Company Inc., a corporation of New York
No Drawing. Application April 26, 1934, Serial No. 725,544
6 Claims. (Cl. 117—3)

1. A process of making a fabric containing natural silk fibres provided with their body-giving gum coatings, some of which coatings in the fabric are in relatively inaccessible condition, while others are in accessible condition to the action of a subsequent decoating bath, which comprises impregnating these fibres, the coatings of which are relatively inaccessible with a proteolytic enzyme preparation without removing said coating, drying said impregnated fibres, combining said impregnated fibres with unimpregnated fibres, the coatings of which are relatively accessible to form a fabric.

2,029,969
SILK YARN PREPARED FROM NATURAL SILK IN THE GUM
Leo Wallerstein, Rowland A. Gale, and Thomas G. Hawley, Jr., New York, N. Y., assignors to Wallerstein Company Inc., a corporation of New York
No Drawing. Application April 26, 1934, Serial No. 722,545
1 Claim. (Cl. 117—53)

Highly twisted silk yarns for weaving and knitting, comprising natural silk in gum, said yarn being rendered more flexible and with lessened tendency toward kinkiness and unevenness by impregnation with a proteolytic enzyme preparation without removal of the gum, the yarn being dry and containing said preparation.

2,029,970
YARN
Leo Wallerstein, Rowland A. Gale, and Thomas G. Hawley, Jr., New York, N. Y., assignors to Wallerstein Company Inc., a corporation of New York
No Drawing. Application April 26, 1934, Serial No. 722,546
2 Claims. (Cl. 91—68)

1. A yarn composed of natural silk in gum and impregnated with a proteolytic enzyme, said yarn having enhanced absorptive properties and the gum on said yarn having substantially the original body-giving properties in respect to textile processing, said yarn being particularly adapted for knitting, weaving, and other textile operations.

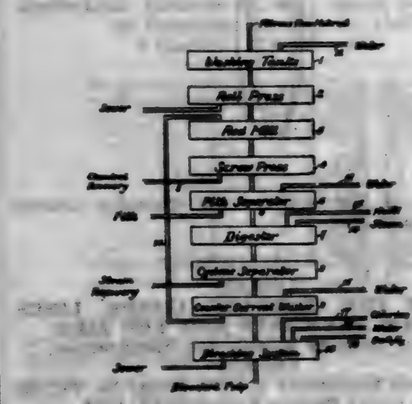
2,029,971
MIXED CELLULOSE ACETATE-NATURAL SILK FABRICS
Leo Wallerstein, Rowland A. Gale, and Thomas G. Hawley, Jr., New York, N. Y., assignors to Wallerstein Company, Inc., a corporation of New York
No Drawing. Application April 26, 1934, Serial No. 722,567
1 Claim. (Cl. 139—420)

A mixed cellulose acetate-natural silk fabric, said natural silk being in the gum, the natural silk fibres of said fabric being impregnated with and containing a proteolytic enzyme, without degumming, said fabric being capable of being degummed at a temperature of less than 185° F. and at relatively low alkalinities to prevent injury to the cellulose acetate.

2,029,972
PROCESS OF MAKING A KNITTED FABRIC
Leo Wallerstein, Rowland A. Gale, and Thomas G. Hawley, Jr., New York, N. Y., assignors to Wallerstein Company, Inc., a corporation of New York
No Drawing. Application April 26, 1934, Serial No. 722,568
2 Claims. (Cl. 66—202)

1. A process of making a knitted fabric capable of being simultaneously dyed and degummed in acid, neutral and alkaline media, which comprises impregnating yarn composed of natural silk in gum with a proteolytic enzyme preparation, while leaving the gum on the yarn without disadvantageously affecting its body giving properties, then twisting the yarn and finally knitting the yarn.

2,029,973
PAPER PULP MAKING PROCESS
Sidney D. Wells, Combined Locks, Wis., assignor of one-half to Gerald D. Muggleton, Appleton, Wis.
Application August 22, 1934, Serial No. 741,010
9 Claims. (Cl. 92—8)



1. The hereindescribed method of producing paper pulp which consists in feeding a continuous stream of the material into a rod mill, immersing the material in partially spent, hot, cooking lyes from a subsequent digestion step, separation of the fibrous and cellular elements by the beating, pounding and rubbing action of the freely falling rods within the rotating drum of the mill, discharging the pulp material from the mill continuously, removal of the substantially completely spent lyes therefrom, treatment of the material to digestion at elevated temperature with cooking lyes containing an excess of cooking chemical and removal of the partially spent lyes from the completely pulped material for use in the preliminary treatment of the raw fibrous material in the rod mill.

2,029,974
HOG RING CLINCHING TOOL
Willard F. Whitaker, Batavia, Iowa
Application October 2, 1934, Serial No. 747,599
1 Claim. (Cl. 128—332)

A tool of the character described comprising pivoted levers having opposed jaws, one jaw being bifurcated and the other jaw having a substantially semi-circular shaped groove longitudinally therein, the bifurcated jaw being curved inwardly, a cross web bridging the bifurcation in the bifurcated jaw at its outer end and constituting an abutment for an eye end of a nose ring for hogs to confront the bifurcation and a clinching arm pivoted in the bifurcation in the bifurcated jaw in cross relation to the web and having a guide channel for conducting a prong end

of the nose ring when passed through the eye end of the latter about the eye end and in the



direction of the web for the clinching thereof with the eye end.

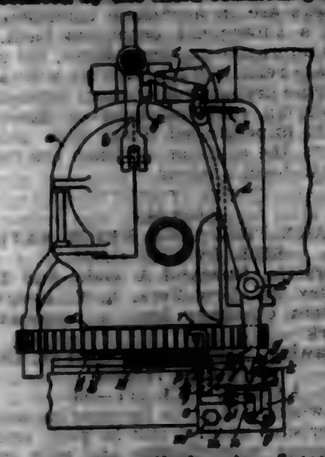
2,029,571
HOLDER FOR THREADS, CORDS, LINES, WIRES, FLY-CASTS AND THE LIKE
Hubert Douglas Winchester, Monkseaton, England
Application September 4, 1934, Serial No. 743,664
In Great Britain February 22, 1934
12 Claims. (Cl. 242—129)



1. An improved holder for threads, cords, lines, wires, fly-casts and the like (hereinafter referred to as "thread") comprising a hollow ring, a slit running around the said ring for the passage of the "end" of the thread, and resilient edges to the slit which edges press against each other so as yieldingly to grip the said thread "end".

2,029,574
PUMP STOP MECHANISM FOR TYPOGRAPHICAL LINE CASTING MACHINES
Paul Wunsch, Leipzig, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a company of New York
Application May 5, 1934, Serial No. 724,643
In Germany May 19, 1933
11 Claims. (Cl. 199—53)

1. In a typographical line-casting machine having a metal-pot mouthpiece movable into and out of contact with the mold, the combination with a pump stop lever and means actuated during justification of a composed matrix line adapted to control said lever to release the pump stop, of secondary control means for the said lever actuated by the mold contacting movement



of the metal-pot mouthpiece to release the pump stop.

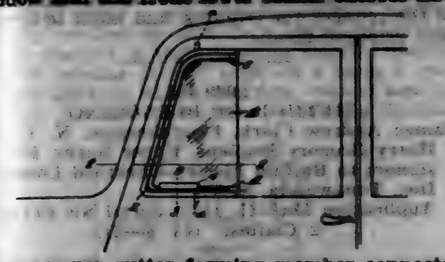
2,029,577
HOLDER
Louis A. Anderson, Somerville, Mass.
Application December 31, 1934, Serial No. 759,396
3 Claims. (Cl. 292—16)



1. A closure holder comprising a base, a standard mounted upon the base, arms extending from the standard at its upper end, a pair of spaced cylinders supported in axial alignment by the arms clear of and spaced a substantial distance from the upper end of the standard, and spring-pressed plungers slidable within and projecting beyond the opposed ends of the cylinders, the projecting ends of said plungers being of generally rounded form and adapted to cooperate with a latch pin disposed either parallel to or transversely of the standard.

2,029,578
GUTTER ATTACHMENT FOR VENTILATING WINDOWS OF MOTOR VEHICLES
Joseph Bolton Andrews, Jr., Newport, Ky.
Application October 29, 1934, Serial No. 750,584
4 Claims. (Cl. 296—44)

3. In combination with a ventilating window of a vehicle comprising a window panel pivoted on a vertical axis in said window, a gutter-forming member attached to the outer face thereof at the front and lower edges of the window panel, that portion of the bottom part of the gutter-forming member between the lower pivot of the window and the front lower corner thereof hav-



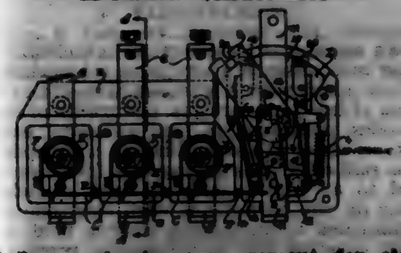
ing an upper gutter forming member connected therewith.

2,029,979
PHONOGRAPHIC FILM
Roger Bernheim, Bezons, France, assignor to Le Film Ozaphane, Société Anonyme, a corporation of France
Application October 2, 1934, Serial No. 748,492
In France October 14, 1933
8 Claims. (Cl. 274—41.5)



1. The method of obtaining a plurality of sound films from a film bearing a wide photographic sound record extending across the film, which comprises cutting the film longitudinally into a plurality of strips having identical sound records.

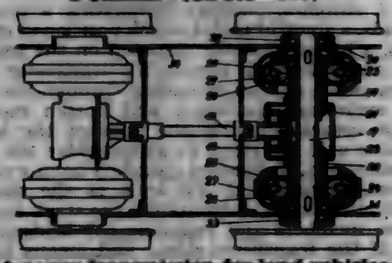
2,029,980
RELEASING ARRANGEMENT FOR ELECTRIC SWITCHES
Ernst Dessg, Baden-Baden, Germany
Application May 15, 1934, Serial No. 727,491
In Germany May 24, 1933
13 Claims. (Cl. 200—88)



13. In a releasing arrangement for electric switches, the combination of an insulating housing, thermally acting releasing members adapted to be heated by electric current, a winding for each releasing member and through which the heating electric current is adapted to flow, each of said windings co-operating with a magnet core with an armature to magnetize the same, partitions which subdivide said housing into a plurality of chambers whose number is greater by at least one than the number of releasing members, each releasing member and its winding being accommodated in a separate chamber, means for compensating for the influence of room tempera-

ture on the releasing members and for adjusting their releasing path, said means being arranged in the additional chamber not occupied by a releasing member and its winding, and a releasing cross-member adapted to be actuated by the releasing members and said armatures, said cross-member passing through apertures in the partitions, said partitions being adapted to insulate thermally and electrically said releasing members from each other and from said compensating-and-adjusting means.

2,029,981
TRANSMISSION GEAR
Willy Black, Hanover, Germany, assignor to Franz Kruckenberg and Curt Stedefeld, both of Hanover, Germany
Application January 23, 1933, Serial No. 653,146
In Germany January 29, 1932
8 Claims. (Cl. 105—118)



1. A power transmission for land vehicles, self-propelled railway cars and the like, comprising a driving axle carrying a pair of driving wheels, a driving shaft extending longitudinally of the vehicle and adapted to be continuously driven by a non-reversing power plant, a pair of hydraulic transmission gears each including a driving turbine wheel cooperating with a fixed guide wheel and a driven wheel, the axes of said transmission gears extending transversely of the vehicle, mechanical gearing actuated by said driving shaft for rotating the driving turbine wheels simultaneously in opposite directions with respect to each other, and means actuated alternatively by said driven turbine wheels for driving the said axle, said means comprising permanently-engaged driving connections between said driven wheels and said driving axle.

2,029,982
CAR TRUCK SIDE FRAME AND BOLSTER CONSTRUCTION
Albert O. Buckius, Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application October 27, 1931, Serial No. 571,295
14 Claims. (Cl. 105—197)



1. In a car truck, a side frame having a bolster receiving window opening and a shelf at the bottom of the window, a bolster having a spring retaining flange at its under side and outside the limits of the shelf, and having a flat spring seating portion extending from the flange to the end of the bolster, springs operatively interposed

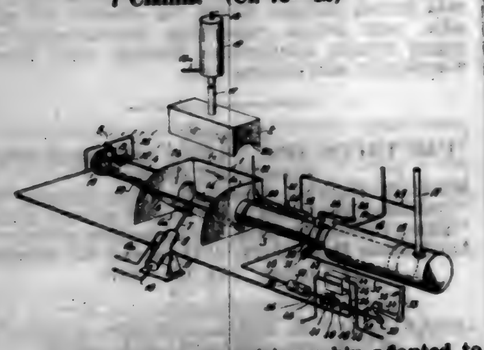
between the shelf and flat portion, and means whereby the bolster ties the side frames together, said flat portion of the bolster being adapted to rest on said shelf when said springs are removed.

2,029,863
MEANS AND METHOD OF PACKAGING
Earl I. Burke, Warren, Ohio, assignor to Republic Steel Corporation, Youngstown, Ohio, a corporation of New Jersey
Application December 16, 1933, Serial No. 702,706
3 Claims. (Cl. 206—60)



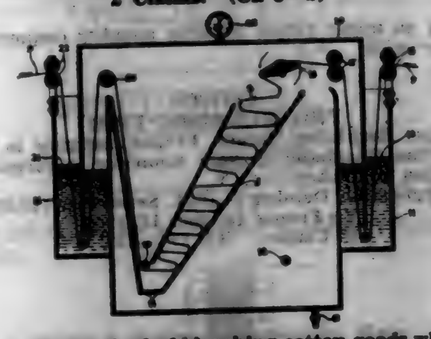
2. A shipping package comprising a plurality of skids, a stack of metal sheets positioned on said skids, a batten member disposed on the top surface and extending beyond the transverse edges of the stack, a strap extending through the skids and encircling the stack and batten member, means associated with the ends of the batten member and the strap so as to bridge the strap therebetween, end batten members having rounded ends disposed at the ends of the stack, a longitudinal strap surrounding the stack and end batten members and engaging the bridged portion of the transverse strap, and means for securing the longitudinal strap under tension, the straps serving to secure the skids, batten members and stack into a package capable of movement as a unit.

2,029,864
BALING PRESS
Alfred C. Buttfield, North Plainfield, and Raymond W. Muller, Bewaren, N. J., assignors to The Vulcan Detinning Company, a corporation of New Jersey
Application March 14, 1932, Serial No. 598,684
7 Claims. (Cl. 78—42)



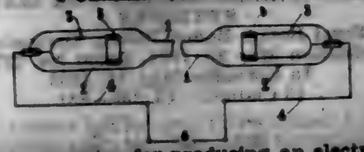
1. A baling press comprising a bin adapted to receive a charge of loose material, a compression chamber having one of its ends in communication with the bin and its other end open, a ram reciprocable within the bin to compress the material in one direction, a plunger reciprocable within the bin in another direction to compress the material compactly within the compression chamber to form a bale, gripping means for holding a previously formed bale within the compression chamber to provide an abutment against which the loose material is compressed, means for actuating said gripping means, a latch for holding said gripping means against operation, and means operable in timed relation with respect to the plunger for tripping said latch to actuate said gripping means.

2,029,865
METHOD OF BLEACHING
James Andrew Clark, Poughkeepsie, N. Y., and Harry Gregory Smelcus, Upper Darby, Pa., assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y.
Application May 21, 1932, Serial No. 614,522
2 Claims. (Cl. 8—2)



1. The method of bleaching cotton goods which comprises wetting the goods with a quantity of a solution of hydrogen peroxide in water sufficient to moisten the goods, and thereafter subjecting the goods to a temperature above the boiling point of the solution in an atmosphere containing steam for a period of time sufficient to produce the desired bleaching effect in the goods.

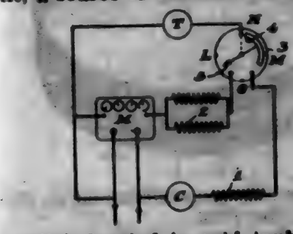
2,029,866
ELECTRIC LIGHTING APPARATUS
André Claude, Nanterre, France
Application February 19, 1932, Serial No. 593,114
In France February 19, 1931
9 Claims. (Cl. 176—126)



3. An apparatus for producing an electric discharge in a gaseous atmosphere, comprising an envelope filled with a gaseous atmosphere containing at least one rare gas, a plurality of spaced electrodes positioned in said envelope, each of which serves at the same time as a cathode and anode, said electrodes having thin free edges subjected to an intense electric field, a dielectric coating on the portions of each electrode which are subjected to an intense electric field, and a deposit covering the electrodes for producing a small cathodic drop and containing a metal selected from the group consisting of alkali and alkaline earth metals.

2,029,867
ELECTRIC WATER HEATER
Albert F. Craver, Lakewood, Ohio, assignor to The Cleveland Heater Company, Cleveland, Ohio, a corporation of Ohio
Application April 21, 1930, Serial No. 445,953
6 Claims. (Cl. 219—38)

1. In an electric water heater, in combination, a hot water storage tank, a cold water supply conduit communicating with said tank, a conduit for the withdrawal of hot water communicating with said tank, a low capacity electric heating element located in said tank adjacent to the bottom thereof, a high capacity electric heating element located in said tank on a level a substantial distance above said first named heating element, a source of electrical energy, a thermo-

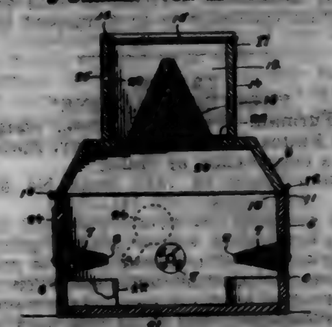


static switch located in said tank adjacent the upper heating element, said thermostatic switch controlling the supply of electrical energy to both of said heating elements, a meter for recording the consumption of electrical energy of said high capacity heating element only, and a manual switch for selectively connecting either said first named heating element or both said heating elements to said source of electrical energy.

2,029,868
METHOD AND MATERIAL FOR IMPROVING THE GROWTH OF PLANTS
William B. Doe, Jacksonville, Fla.; Flora N. Doe, administratrix of the estate of said William B. Doe, deceased, assignor to The Hydro-Humus Corporation of America, Jacksonville, Fla., a corporation of Florida
No Drawing. Application June 10, 1935, Serial No. 25,945
12 Claims. (Cl. 47—58)

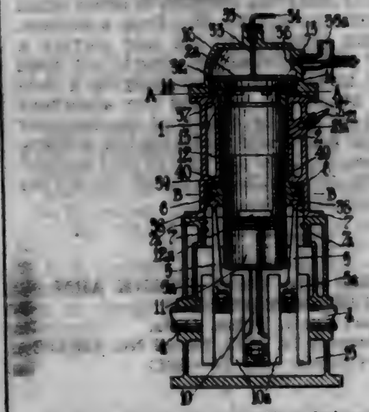
1. The method of improving the growth of plants, trees, shrubs and other vegetation which comprises placing in the soil surrounding the roots thereof pieces of palmetto wood which have been cut into comparatively short lengths to expose the ends of the fibers thereof and provide a highly absorbent mass.

2,029,869
FLYCATCHER
William S. Driggers, Bostwick, Fla., assignor of one-half to E. J. Hancock, Palatka, Fla.
Application August 27, 1934, Serial No. 741,669
3 Claims. (Cl. 43—132)



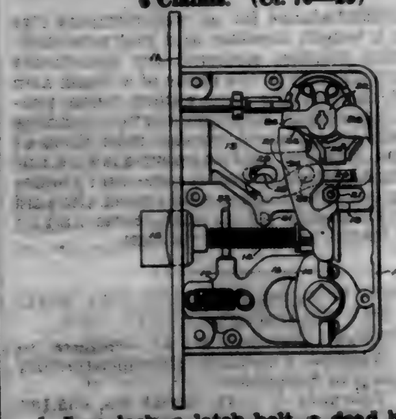
1. A trap of the kind described, comprising a hollow body having a vertically swinging lid forming a cover thereto, a dome rising from the lid and having a transparent top panel separably fitted therewith, reticulated entrance zones fitted in the sides of the body and in the lid for the passage of flies from without the body inwardly thereof and upwardly into the dome and a sun rays' reflector concentrically about the cones fitting the lid and at the bottom of the dome interiorly thereof.

2,029,880
INTERNAL COMBUSTION ENGINE
George Stanley Edlin and Hector Halhead Stewart, Auckland, New Zealand, assignors to The New Zealand Edlin-Stewart Engine Company Limited, Auckland, New Zealand, a company of New Zealand
Application June 28, 1930, Serial No. 464,585
14 Claims. (Cl. 123—50)



9. A method of operating internal combustion engines comprising trapping a body of combustion gases in the lower end of the cylinder space, forming a separate dense body of fuel mixture in said cylinder space, then compressing said bodies together to bring about ignition of the fuel mixture and adjusting the time of ignition by varying the areas of the admission ports of the cylinder to vary the speed of rotation of the fuel mixture in said cylinder space.

2,029,891
PANICPROOF LOCK
John V. Eichel, Jr., Philadelphia, Pa., assignor to H. S. Getty & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application March 23, 1935, Serial No. 12,606
6 Claims. (Cl. 70—29)



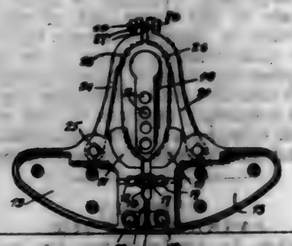
1. In a lock, a latch bolt, a dead bolt, a rollback yoke having portions to contact and simul-

taneously withdraw both said bolts from operative to inoperative position, either of said bolts being movable from operative to inoperative position independently of any movement of the roll-back yoke or of the other of the bolts and key-operated means to move said bolts.

2,029,992
FINISH REMOVING PROCESS
Carleton Ellis, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y., a corporation of West Virginia
No Drawing. Application September 17, 1931, Serial No. 563,689
5 Claims. (Cl. 87—5)

1. A process of removing coatings of dried liquid coating compositions and the like, from a surface, which comprises applying to the said surface a liquid remover and allowing the same to act upon the coating to soften the same, applying a pulverulent solid absorbent, working the absorbent with the slush formed by action of the remover upon the coating finish, and removing the mixture from the surface, the total amount of said absorbent added being substantially enough to dry up the slush on said surface.

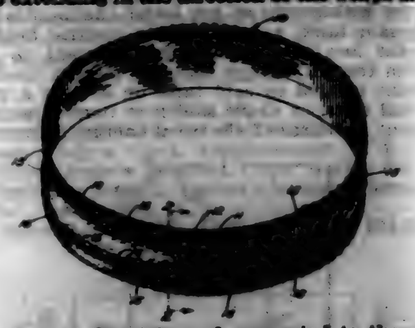
2,029,993
ADJUSTABLE OIL WELL CRANK ARM COUNTERWEIGHT
Carl Esrit, Tulsa, Okla.
Application August 24, 1932, Serial No. 630,602
10 Claims. (Cl. 74—591)



10. A counterbalance for oil well pumping rigs comprising a weight member and instrumentalities including tension elements for detachably securing said member in the plane of a crank arm at one end thereof, the said weight being provided with a recess in its upper portion opposite the end of the crank arm to receive filler shoes of various sizes, whereby said member may be applied to crank arms of various sizes and shapes and at least one filler shoe in said recess, the said shoe being shaped to fit in said recess and to embrace at least a portion of said arm.

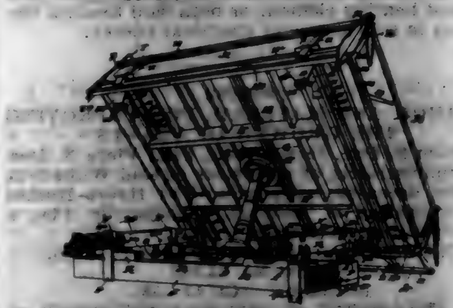
2,029,994
WICKING
George S. Fabel, Trenton, N. J., assignor to Southern Asbestos Company, Charlotte, N. C., a corporation of Delaware
Application February 3, 1933, Serial No. 655,102
4 Claims. (Cl. 87—40)

1. A wicking comprising a woven strip and a wire extending in the direction of the warps along



one face of the strip and connected to the strip by a strand of the strip.

2,029,995
DUMP VEHICLE
Henry Fort Flowers, Findlay, Ohio
Application November 28, 1933, Serial No. 644,715
28 Claims. (Cl. 298—18)

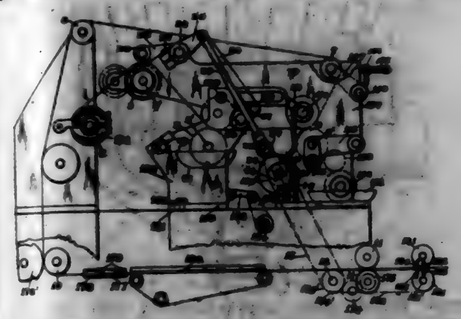


1. In a dump vehicle, a frame, a body, members on said body and frame for providing a lateral fulcrum about which said body may tilt, a downfolding side door pivoted on said body, and door controlling devices for positively closing the door during return of the body from tilting about said fulcrum and for maintaining the door closed during transport and during raising movement of the body relative to the frame adjacent said fulcrum, said devices including means which may be shifted for rendering the devices inoperative for effecting a positive closing of the door, and also including means on said frame, body and door which are effective for preventing accidental shifting of said shiftable means while the body is in transport position.

2,029,996
PRINTING MACHINE
Samuel Furman, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application March 30, 1933, Serial No. 661,945
25 Claims. (Cl. 101—228)

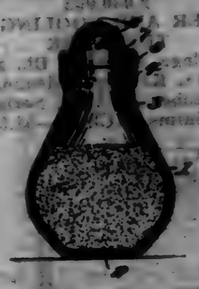
1. In a machine for printing spaced impressions on a continuous web by gravure printing, a gravure printing roll, a pressure roll to press the web against the printing roll, means for feeding a predetermined length of web between said rolls for each rotation of the print roll, said feeding means comprising a driving roll having the same surface speed as the printing roll, and a movable roll engaging said driving roll and pressing the web against said driving roll during a portion only of each rotation of said driving roll for advancing

the web between the printing and pressure rolls at the same speed as the rolls, and means for spacing the surface of the pressure roll from the printing roll during a portion of each rotation



of the printing roll while the movable roll is spaced from the driving roll to provide for a relative movement between said web and the surface of the printing roll.

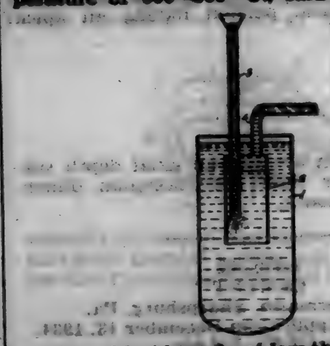
2,029,997
CONDIMENT HOLDER
Lenna I. Gaddy, Panama City, Fla.
Application November 20, 1934, Serial No. 753,969
1 Claim. (Cl. 65—45)



A condiment holder comprising an elastic compressible body of substantially oval formation and being restricted toward its upper end, a flat elastic base for said body and formed therewith, an elastic neck formed with the restricted upper end and being relatively thickened with an annular groove interiorly arranged therein, said restricted upper end merging into the neck in rounded formation to provide an exteriorly arranged annular recessed finger receiving portion, a substantially dome-shaped cap for closing the mouth of said neck and having dispensing openings therein, and an annular flange extending outwardly from the lower edge of the cap and shaped to fit the groove and detachably received therein.

2,029,998
METAL RECOVERY
Harvey N. Gilbert, Niagara Falls, N. Y., assignor to The E. I. du Pont de Nemours & Company Incorporated, Wilmington, Del., a corporation of Delaware
Application February 2, 1933, Serial No. 654,844
11 Claims. (Cl. 75—132)

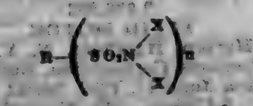
1. A process for recovering sodium from a mixture of sodium, calcium, and non-metallic substances comprising introducing said mixture into a fused salt separating bath having a specific gravity greater than that of sodium at a temperature of 600°–900° C., said bath comprising



calcium chloride and not less than 30% by weight of sodium chloride.

2,029,999
PRINTING PREPARATION AND PROCESS
Fritz Griesbaber, Riehen, near Basel, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application June 30, 1934, Serial No. 733,327. In Switzerland July 8, 1933
10 Claims. (Cl. 8—5)

1. A process of printing native or regenerated cellulose or animal fibers with dyestuffs, consisting in using as assistants bodies of the general formula



wherein R represents alkyl, phenyl or naphthyl, the two X's represent hydrogen or an alkyl group free from carboxyl-groups, and n is 1, 2 or 3.

2,030,000
TROLLING CRADLE
Roland P. Harrington, Washington, D. C.
Application July 30, 1935, Serial No. 33,901
6 Claims. (Cl. 43—27)



1. Trolling apparatus comprising in combination with a trolling line and a spinner line, a symmetrically arranged carrier, swivel means interposed between one end of the carrier and the trolling line, separate swivel means interposed between the carrier and the spinner line, and means for removably mounting a weighted mass on said carrier.

2,030,001
CONE FOR USE IN WIRELESS LOUDSPEAKERS, TELEPHONES, AND THE LIKE
Frank Harrison, Braintree, England
Application November 26, 1932, Serial No. 644,231
In Great Britain November 19, 1929
9 Claims. (Cl. 181—31)

1. A diaphragm of conical formation, capable of vibrating freely over its full area in sympathy

with the impulses transmitted axially at substantially the center of the cone, the diaphragm including a conical portion having an apical

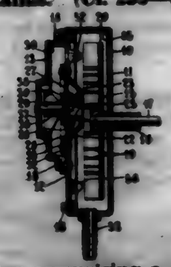


angle of less than 30° and an axial depth substantially greater than the maximum dimension across the mouth.

2,030,002
CEMENT
Arnold Hermann, Sharpsburg, Pa.
No Drawing. Application December 18, 1934, Serial No. 758,094
1 Claim. (Cl. 106—39)

The process of producing cement comprising first forming a dry mixture of two kilograms of magnesium oxide, two kilograms of barium sulfate, and one kilogram of chalk, then forming a liquid mixture of three liters of an aqueous solution of magnesium chloride having a density of 27° Bé., one liter of sulphuric acid 22° Bé., one liter of muriatic acid 21° Bé., and combining five parts by volume of the dry mixture with two parts by volume of the liquid mixture.

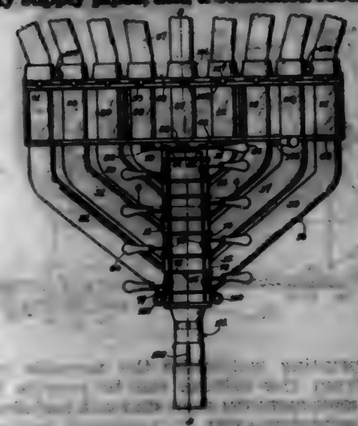
2,030,003
FLUID MOTOR
Erwin C. Herten, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application June 15, 1933, Serial No. 676,006
3 Claims. (Cl. 253—50)



1. A fluid motor comprising a casing, a region of fluid under variable sub-atmospheric pressure communicating with said casing, a rotor journalled in the casing, a partition including a diaphragm carried in the casing, a valve having a connection with the diaphragm, an air supplying nozzle communicating with the atmosphere and disposed in the casing wall at a location spaced from the partition, and a nozzle in the partition normally closed against communication with the atmosphere by said valve, said diaphragm being responsive to changes in pressure in said region of fluid under variable sub-atmospheric pressure to open the valve whereby atmospheric air is directed against the rotor through the second nozzle.

2,030,004
DISPENSING APPARATUS
George R. Hutchison, Beckley, W. Va.
Application July 18, 1935, Serial No. 32,089
13 Claims. (Cl. 221—146)

1. In a dispensing apparatus, a plurality of upstanding downwardly inclined normally closed valve controlled selectably opened commodity conducting pipes, a chute common to the outlet ends of said pipes, each of said pipes including a transparent intake member for viewing the commodity conducted by the pipe, a plurality of commodity supply pipes, and a combined receiver and



holder structure common to said supply pipes and intake members, said structure being formed with openings for establishing communication between the supply pipes and intake members and selectable cutoffs for said supply pipes.

2,030,005
CONTAINER AND COOLING MEANS THEREFOR
John L. Kellogg, Chicago, Ill., assignor to Helen L. Kellogg, Chicago, Ill.
Application October 30, 1933, Serial No. 695,715
6 Claims. (Cl. 62—61.5)

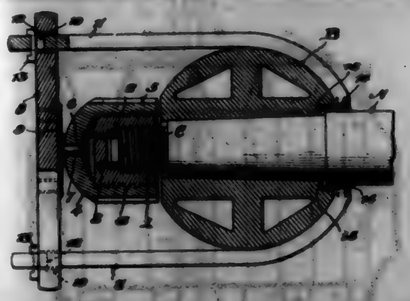


1. A portable refrigerating container comprising a receptacle having an inner wall and an outer wall spaced therefrom to provide a cooling chamber for the circulation of refrigerant, and a refrigerating element secured in a wall of the container, said element including a supporting head, and a double walled body supported on said head and having a storage compartment therein adapted to contain a mass of solidified gaseous refrigerant, said head and the inner wall of said body having openings therein to provide for circulation of gaseous refrigerant from the storage compartment through the space between the walls of said body and thence into the cooling chamber.

2,030,006
PROPELLER PULLER
Paul Kelly, English Lookout, La.
Application June 8, 1935, Serial No. 25,643
7 Claims. (Cl. 29—33)

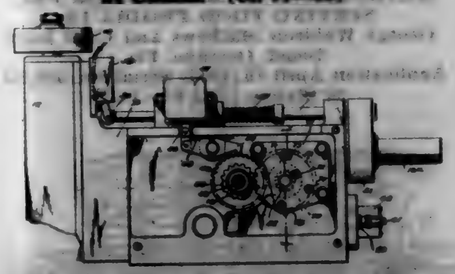
1. A device of the character described for removing propellers or the like from their support-

ing shafts, including a stop member for removable support on said shaft, power means rotatable about and movable axially of said stop member and outwardly of the latter, and means for con-



necting the propeller and said power means whereby to move said propeller in an outward direction upon its shaft and against said stop member when the power means is moved outwardly upon said stop member.

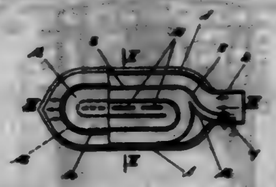
2,030,007
FEED MECHANISM FOR MACHINE TOOL UNITS
Edward Joslin Kingsbury, Keene, N. H.
Application August 2, 1932, Serial No. 627,224
24 Claims. (Cl. 77—32)



1. In a device of the class described, the combination of a frame, a tool support reciprocable relative to said frame, a planetary body, gears coaxial with said body and having different numbers of teeth, gear means rotatably mounted on said body and in mesh with said gears, means for rotating said body, a detent mounted on the frame for holding one said gear against rotation, a connection between the other gear and said support for reciprocating the latter, and means controlled by the position of the element relative to the frame actuated upon predetermined movements of said other gear for effecting the engagement of said detent during the course of movement of said support in one direction and disengagement of said detent at the end of such movement in said one direction.

2,030,008
SILENCER
Josef Laubacher, Wandsbek-Hamburg, Germany
Application August 16, 1934, Serial No. 739,238
In Germany October 8, 1933
7 Claims. (Cl. 137—160)

1. In a device of the class described, a silencer consisting of a single spiral main channel with an inlet opening at one end thereof and an outlet opening at the other end, and a shorter flow channel having its widest transverse dimension substantially the same as the widest transverse dimension of the main channel, opening into the main channel at a point intermediate the inlet and outlet of the main channel and having the same direction of flow as the main channel



whereby the flow of the shorter channel causes in said main channel a reduction in pressure before the flow in said main channel reaches such point.

2,030,009
RED PIGMENTS
Ekbert Lederle, Ludwigshafen-on-the-Rhine, Germany
No Drawing. Application August 19, 1933, Serial No. 685,961. In Germany August 30, 1932
5 Claims. (Cl. 134—58)

1. The process of producing red pigments which comprises precipitating mixed crystals comprising normal lead chromate, normal lead sulphate and normal lead molybdate by adding to an aqueous solution containing a soluble lead salt a strongly acid aqueous solution containing sulphate, chromate and enough molybdate ions as to produce mixed crystals containing at least 4 per cent of lead molybdate.

3. In the process as claimed in claim 1, using an aqueous solution which in addition to a soluble lead salt contains a soluble salt of a metal selected from the group consisting of barium and strontium.

2,030,010
ARTICULATED TRACK VEHICLE
Hermann Liechty, Bern, Switzerland
Application July 26, 1932, Serial No. 624,827
In Switzerland August 5, 1931
1 Claim. (Cl. 105—3)

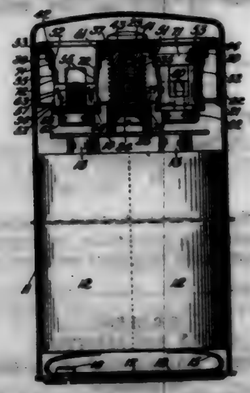


In a track vehicle, the combination of three vehicle parts which are pivotally inter-connected, with two single axle pivot frames, which carry the central vehicle part, the two ends of each pivot frame being rotatably arranged at two abutting vehicle parts and also one of said pivot frame ends being at the same time connected longitudinally slidably with one of said vehicle parts.

2,030,011
ELECTRICALLY-OPERATED CIGARETTE LIGHTER
Duncan Tod Sloane Macleaman, Balham, London, England, assignor to Garnet Limited, London, England
Application June 16, 1934, Serial No. 730,984
In Great Britain August 3, 1933
11 Claims. (Cl. 219—33)

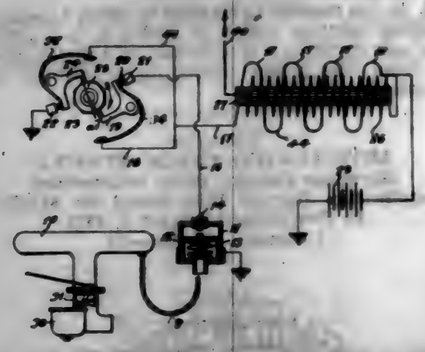
1. A cigarette lighter of the type specified comprising a bucket and an electric filament

mounted at the side of the bucket in contradistinction to the bottom of the bucket so as to



provide an extensive length of contact with the side surface of the cigarette wrapping.

1,888,912
IGNITION TIMER AND COIL
Marion Mallery, Detroit, Mich., assignor to Mallery Research Company, Toledo, Ohio, a corporation of Delaware
Application April 16, 1934, Serial No. 720,766
4 Claims. (Cl. 123—117)

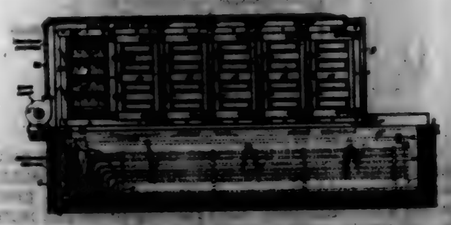


1. An ignition system for an internal combustion engine, having a throttle controlled inlet, comprising an ignition coil, a source of electricity connected therewith, an engine driven rotating cam, a pair of circuit breakers engaging therewith and timed one ahead of the other, a pair of contacts connected with each circuit breaker and in parallel with said coil, the circuit breaker which is the last to open having one contact permanently grounded, the other circuit breaker having one contact grounded only when the throttle is opened, so as to increase the time the current is flowing through said coil when the throttle is opened, the timing of the spark being unchanged by the grounding of said contact.

2,030,012
COMPUTING WEIGHING SCALE
Charles O. Marshall, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application November 5, 1932, Serial No. 641,363
13 Claims. (Cl. 23—1)

1. In a device of the class described, in combination, a chart, said chart bearing identical sets of characters, each of said identical sets occupying a part of its length, means on each side of said chart for hiding one of said sets of characters, and magnifying means on each side of said chart for causing the unhidden set of characters apparently to occupy the whole length of said chart.

2,030,014
METHOD AND APPARATUS FOR PRESERVING FOOD PRODUCTS
George Waldron Mathews and Cecil John Benet, Orlando, Fla.
Application April 16, 1931, Serial No. 529,124
24 Claims. (Cl. 62—114)



10. In an apparatus for preserving food products, a refrigerating chamber, in combination with independent food product containers independently and removably supported within said chamber, said containers comprising a tray and a cover telescopically related and adapted to contain the food product, said trays being provided with an enlarged base and being located one above the other, means for subjecting the bottoms of the said containers to the liquid refrigerant, whence it freely descends to the top of the container therebelow, said enlarged bases of the containers preventing the refrigerant from having access to the interiors of the covers of the containers, and means for taking off the refrigerant from the chamber.

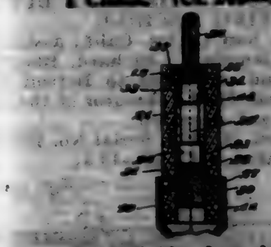
2,029,915
APPARATUS FOR FORMING AND SURVEYING EARTH CORES
John R. McCurdy, Virginia, Minn.
Application February 10, 1935, Serial No. 6,914
19 Claims. (Cl. 255—72)

1. Apparatus of the character described, comprising a drill rod, an annular series of core forming drills, each drill being mounted for rotation about its longitudinal axis and actuated by the



drill rod, and dip and strike indicating means in fixed relation to the series of drills.

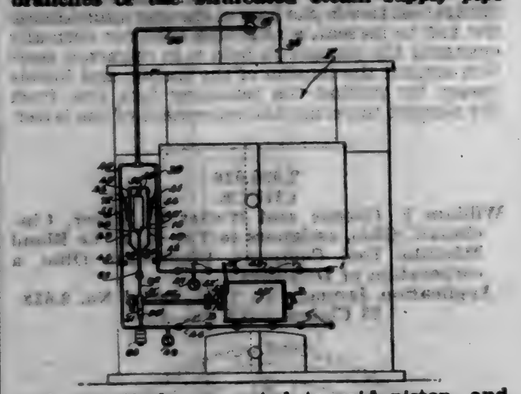
2,030,016
ELECTRICAL RECEPTACLE PLUG
William F. McIntosh, Charlestown, Mass.
Application January 7, 1935, Serial No. 675
1 Claim. (Cl. 200—115.5)



An improved cartridge fuse electrical plug comprising a split insulating member and a split base member, said base member having an electrical cable opening therein and annular grooves located around the inner surface of said openings adapted to engage said cable, a cartridge fuse contact pin assembly comprising a contact pin and receptacle for one end of said fuse and a recessed base member and compression spring adapted to receive the other end of said fuse and provide tension on the said fuse between said contact pin and recessed base members, a second recess located on said base member adjacent its back end and an offset opening connecting said recess at its bottom with the back end of said base member for the purpose of admitting electrical contact wires to said second recess.

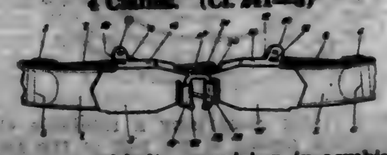
2,030,017
AUTOMATIC SMOKE PREVENTER
Raymond Mills, Asnieres, France
Application September 28, 1931, Serial No. 565,154
In France September 30, 1930
3 Claims. (Cl. 110—55)

1. In a furnace smoke preventer, the combination of a bifurcated steam supply pipe, air ejectors communicating with each of the branches of said bifurcated pipe, series of sprays associated with each of said air ejectors and opening respectively in the fire box and in the ashpit of the furnace, a pressure cylinder filled with oil, a piston sliding in said cylinder, counter weights attached to said piston for normally retaining the latter in one position, vertical conduit means formed in said cylinder, a pin screw operated from the outside for regulating the passage of oil in said conduit means, valve means in the branches of the bifurcated steam supply pipe



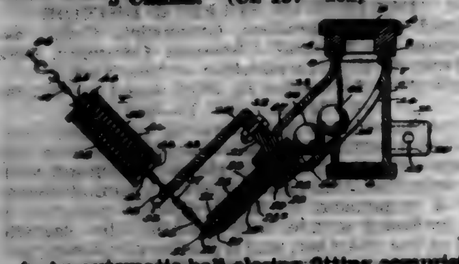
and operatively connected to said piston, and means establishing connection between the furnace door and the piston whereby to actuate the latter directly by the movement of the door against the action of said counterweights.

2,030,018
APPAREL BELT
Jules Meulhan, Paris, France, assignor to Société du Caoutchouc Manufacturé, Paris, France, a French limited corporation
Application March 14, 1935, Serial No. 11,144
In France February 20, 1935
4 Claims. (Cl. 241—8)



1. An apparel belt comprising, in combination, a girdle strap, a pair of hollow metal buckles through which the respective end portions of the strap are freely slidable, said buckles having associated fasteners, clamping levers pivotally carried by the buckles, and a pair of elastic band elements respectively secured adjustably at one end to the buckle levers inwardly of the positions where the strap end portions engage through the buckles and at the other end to the inner face of said strap end portions.

2,030,019
AUTOMATIC BALL CLOSING FITTING
Charles Tyler Bard, Norwich, Conn.
Application May 27, 1935, Serial No. 23,766
5 Claims. (Cl. 137—102)



4. An automatic ball closing fitting comprising a hollow body portion having an inlet and an

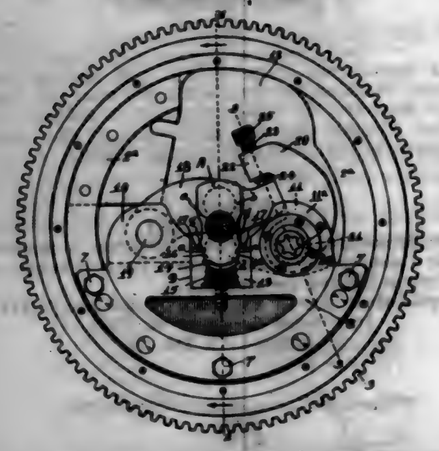
outlet in axial alinement and being provided with a seat, an integral angular extension carried on one side of said body portion, a ball arranged to engage the seat, a screw carried by said extension and being provided with a bore, a spring-pressed plunger carried in the bore of the screw for forcing the ball to its seat, a retaining fork for normally engaging the plunger to hold it in retracted position against the tension of the spring, and fusible means for pulling the retaining fork free from the plunger to permit the movement of the latter.

2,030,020

CHUCK

William F. Greene and Walter R. Meyer, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application January 21, 1935, Serial No. 2,638
23 Claims. (Cl. 82—40)



1. In a chuck comprising a rotatable chuck body, locating means at one side of the axis of rotation of the chuck body having fixed, interspaced areas accurately positioned relative to said axis for effective angularly related engagement with respective angularly related areas accurately located on opposite sides of a work piece relative to a proper center of turning of the work piece, the aggregate effective engagement of the areas at both sides serving both to locate the work piece with said proper center of turning in accurate alinement with said axis of rotation, and to index the work piece during rotation of said chuck, and means on said chuck body to clamp the work piece to said areas.

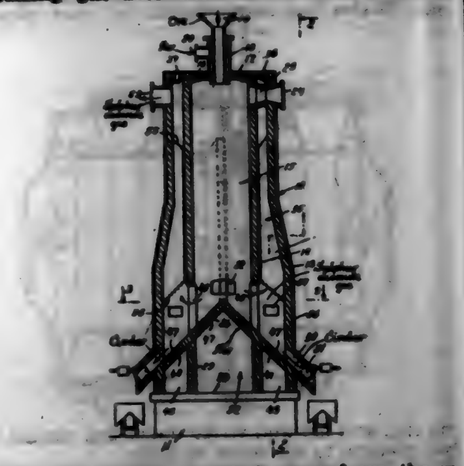
2,030,021

METHOD AND APPARATUS FOR THE PRODUCTION OF SULPHUR DIOXIDE

Harold O. C. Ingraham, Greenwich, Conn., assignor to General Chemical Company, New York, N. Y., a corporation of New York

Application September 15, 1932, Serial No. 633,251
8 Claims. (Cl. 75—60)

1. Apparatus of the character described comprising a reaction chamber, an inlet at one end of the reaction chamber, means associated with the inlet for introducing into the reaction chamber a suspension of finely divided material in an oxidizing gas, a wall forming the opposite end of the chamber, and a discharge opening adjacent said opposite end whereby solid materials are separated from reacted gases, means adjacent said opposite end for introducing supplemental oxidizing gas into the reaction chamber, and



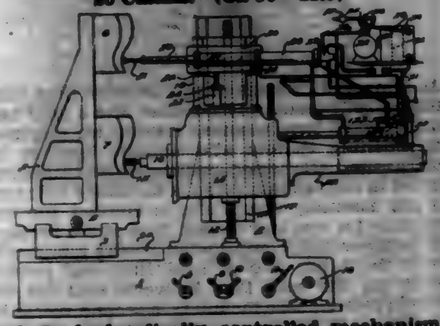
means for causing reacted gases from the reaction chamber to flow along the outer walls of the reaction chamber.

2,030,022

HYDRAULICALLY CONTROLLED DUPLICATING MACHINE

Clifford H. Kain, San Carlos, Calif., assignor of one-third to Clement C. Richard, Bloomfield Hills, Mich., and one-third to Detroit Trust Company, Detroit, Mich., executor of the estate of Otis K. Richard, deceased

Application April 12, 1934, Serial No. 720,375
25 Claims. (Cl. 90—13.5)



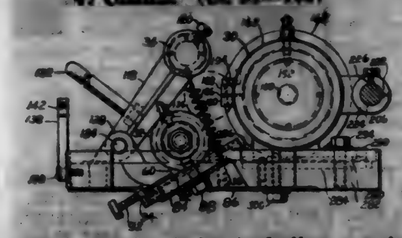
19. In hydraulically controlled mechanism, a tracer and tool adapted to be moved in a fixed relationship with the respective pattern and work, a cylinder associated with the tracer, a cylinder associated with the tool, a piston therein fixed to the tool, a piston in the tracer cylinder, a tubular element movable with the tracer piston, a rod to which the tracer is attached reciprocable in the tubular element, the tracer piston being ported, a valve within the tracer piston fixed to the tracer rod and through movement of which one or the other of the ports of the tracer piston are opened, means for applying hydraulic pressure to the interior of the piston and to be distributed by the valve to one side or the other of the tracer piston to cause movement thereof in its cylinder, means whereby movement of the tracer piston applies fluid under pressure to one side or the other of the tool piston, said tubular element in which the tracer rod is reciprocable being pivotally mounted to permit the tracer to be moved in any direction laterally of the shaft axis, means tending to yieldably restrain such movement of the tracer and permitting the tracer to be moved by pressure in excess thereof, and means whereby such lateral movement of the tracer actuates the valve to apply pressure to one side of the tracer piston and thereby move the tracer tube and connected parts in the same direction as is caused by movement of the tracer on the axis of the shaft away from the work, said last named means comprising a cylinder directly connected with the tracer piston and through which the tracer rod extends to the tracer piston, a piston within the said last named cylinder loosely mounted on the rod, said rod at one end having a part engaged by the piston when under hydraulic pressure at the opposite end to move the tracer rod and thereby move the tracer piston to open the ports thereof to apply fluid pressure to one side of the tracer piston and thus move the tracer piston in the same direction as the said piston slidable on the tracer rod is moved, a laterally movable disc valve actuatable by movement of the tracer tube on its pivotal axis to apply hydraulic pressure to the said piston slidable on the tracer rod and move the same to engagement with the said portion on the rod to cause movement of the rod and consequently of the tracer in a direction along the rod axis until the tracer assumes its neutral axial position and the valve disc is returned to neutral position, said cylinder for the slidable piston having a minute leakage aperture from high pressure to the chamber forward of the piston and further having a small aperture from the chamber at the rear of the piston to the low pressure whereby when the disc valve assumes neutral position the slidable piston by pressure in the chamber forward of the piston is moved out of contact with the portion of the tracer rod engageable thereby and out of position to effect axial movement of the tracer rod by pressure applied thereto to move the tracer in a direction toward or from the pattern.

2,030,023

CUTTING AND ABRADING MACHINE AND PROCESS

James F. Williams, Niagara Falls, Ontario, Canada, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 5, 1927, Serial No. 173,857
47 Claims. (Cl. 51—193)



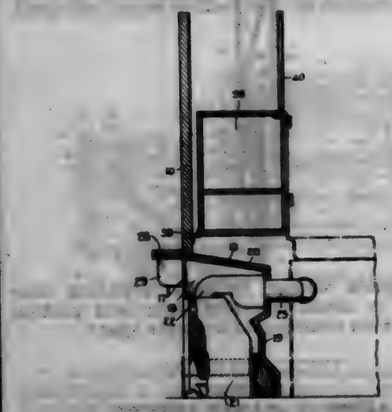
11. An internal grinder including a grinding wheel for internal engagement with a work piece, a work support frictionally engaging the exterior of the work piece, a member frictionally engaging the exterior of the work piece at a point angularly spaced from the work support in opposition to the grinding wheel for urging the work piece into engagement with the grinding wheel, means for rotating the friction engaging member to impart a constant and uniform rotating movement to the work piece, means for definitely varying the separation of the friction member and the grinding wheel to control the amount of stock internally removed from the work piece, and means for urging the work piece in the direction of the friction member.

2,030,024

COMBINED PARTITION-FIXTURE UNIT

Robert L. Davison, New York, N. Y., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application December 20, 1932, Serial No. 648,136
1 Claim. (Cl. 20—1.11)



A unitary combined partition-wall and housing, comprising two substantially parallelly extending members serving respectively as the opposite face members of the combined partition-wall and housing, elements spacially related to one another and extending from and between said members at a predetermined spacing securing said members unitarily relative to one another, one of said members being provided with an opening arranged to receive and house a heating device, said heating device being disposed within the predetermined spacing intervening between said members, the other of said members being disposed with an opening for the reception of a cooking device accessible through said second-named opening, said cooking device being disposed within said predetermined spacing between said members, said opening in said first-named member being disposed substantially out of alignment with said second-named opening in said other member, said first-named member being otherwise arranged to serve as the wall of a living room or equivalent space of a building, said second-named member being otherwise arranged respectively to serve as the wall of a kitchen or equivalent space of the same building.

2,030,025

MECHANICAL PENCIL

Cy H. Davis, Fenwick, Ontario, Canada

Application March 15, 1934, Serial No. 715,687
25 Claims. (Cl. 120—18)

1. A pencil having two relatively rotatable and axially shiftable body sections and feeding mechanism including two relatively rotatable parts one within the other and attached respectively to said body sections and operable by rotation of one of the body sections, and a slidable feed member within said parts and propelled thereby on relative rotation of said body sections in one direction, one of said body sections being readily detachable from the corresponding mechanism part on relative axial shifting of one of said body sections, whereby said mechanism parts become freely movable relatively to each other in the reverse direction by axial inward pressure on said feed member.

11. A pencil comprising an operating tube, upper and lower casing sections mounted thereon,

the upper section being slidable relatively to the lower section, the upper portion of said operating tube being adapted to contain leads, and lead-



delivery means formed in said operating tube below and in communication with said portion and exposed on sliding said sections apart.

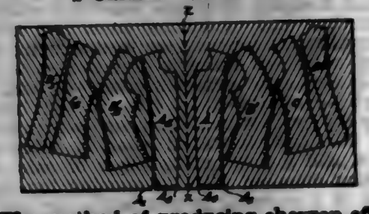
2,030,626

GARMENT MANUFACTURE

Edwin I. Golding, New York, N. Y., assignor to Ira W. Hirshfield, New York, N. Y.

Application April 10, 1935, Serial No. 15,572

2 Claims. (Cl. 2—243)



1. The method of producing chevron effects in an assembly consisting of a plurality of separate pieces united along contiguous edges, out of a piece of cloth patterned on its right side so that the pattern on one side of the longitudinal medial line thereof is the mirror image of the pattern on the opposite side, and each of said patterns being constituted by diagonal-like striped contours meeting at said longitudinal medial line so as to give a chevron effect: said method including the steps of doubling over said cloth along its longitudinal medial line, whereby the striped contours on its two halves run in the same direction, laying out the pieces constituting the assembly on one of the surfaces of said doubled-over cloth, so that one piece of each pair of pieces that are contiguously positioned in the assembly, is the mirror image of the contour required for fitting it to the other piece of the pair, and further positioning their contiguous edges so that the diagonal-like contour will intersect said edges at an angle sufficient to produce a chevron effect when the pieces are joined, cutting through said doubled-over cloth along said pattern lines, whereby two sets of pieces are produced, each piece of one set having its counterpart in the other set and differing therefrom in that it is a mirror image of the other, thereafter selecting the pieces required for an assembly by taking one of each pair of pieces contiguously positioned in the assembly from different layers of said doubled over cloth, and joining said selected pieces together so as to form the completed assembly, and similarly joining the remaining pieces to form an assembly that is the mirrer image of the said first-mentioned assembly.

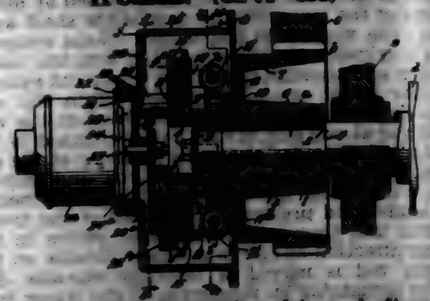
2,030,627

SHAFT ADJUSTING MEANS

Henry B. Greenwood, Glenarm, Md., assignor to F. X. Hooper Company, Inc., Glenarm, Md., a corporation of Maryland

Application December 31, 1934, Serial No. 760,811

11 Claims. (Cl. 74—395)



1. The combination with a driven shaft and a drive gear rotatively mounted thereon, of a worm gear fixed to the drive gear concentric with said shaft, a sleeve secured to said shaft so as to rotate therewith, a shaft carried by the sleeve, a worm pinion on the latter shaft meshing with the worm gear, a reversible electric motor supported by said sleeve and having its shaft co-axial with said driven shaft, and gearing connecting the motor shaft with the shaft carrying the worm pinion.

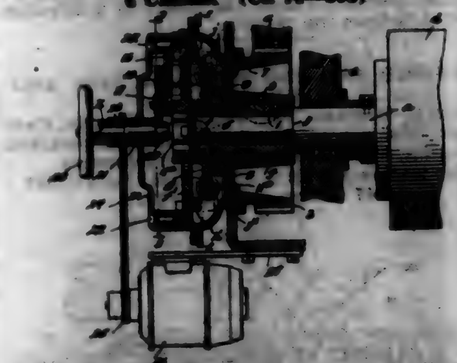
2,030,628

SHAFT ADJUSTING MEANS

Henry B. Greenwood, Glenarm, Md., assignor to F. X. Hooper Company, Inc., Glenarm, Md., a corporation of Maryland

Application February 13, 1935, Serial No. 6,575

4 Claims. (Cl. 74—395)



1. The combination with a driven shaft and a drive gear rotatably mounted thereon, of a worm gear fixed to the drive gear concentric with said shaft, a sleeve secured to said shaft so as to rotate therewith, two worm pinions rotatively mounted on the sleeve and meshing with the worm gear, means for rotating said pinions in unison, and means for rotating one of said pinions independently of the other pinion.

2,030,629

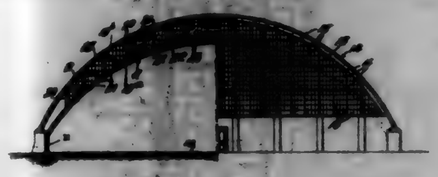
ENCLOSURE FOR A NUMBER OF INDOOR COURTS

Gavin Hadden, New York, and Charles A. Hadden, New Rochelle, N. Y.; said Hadden assignor to said Hadden

Application July 6, 1933, Serial No. 679,324

4 Claims. (Cl. 20—1.13)

4. In a structure for inclosing a number of indoor tennis courts having an opaque roof arching over the floor in a direction corresponding with the longer dimension of said courts, the method of securing uniformity of illumination along the flight of the ball in any plane of play parallel to the said floor which comprises interposing in said opaque roof a crescent-shaped monitor hav-



ing light-admitting areas in its side walls and varying the area of said light-admitting areas so that the solid angle subtended by this area at any point in any line parallel to the monitor in the plane of play shall be approximately equal to the solid angle at any other point in the same line.

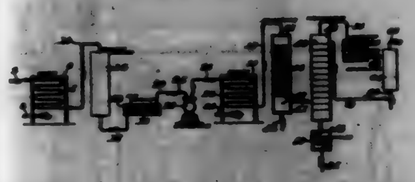
2,030,630

PYROLYSIS OF HYDROCARBON GASES

Michael Halpern, New York, William B. Logan, White Plains, and Robert E. Manley and Walter Ulrich, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application June 26, 1933, Serial No. 677,163

3 Claims. (Cl. 196—10)



1. In the conversion of normally gaseous hydrocarbons into higher molecular weight hydrocarbons by subjection of the gases to be treated to a pyrolysis operation to cause substantial cracking of paraffins into olefins and then passage of the resultant cracked products through an adsorptive catalyst to effect polymerization of the olefins into higher molecular weight compounds, the improvement which comprises passing the cracked products in the polymerization operation through a catalyst consisting essentially of a high power clay of the acid treated montmorillonite type and characterized by having 50–100% thereof finer than 200 mesh and a filler aid material in sufficient amount to substantially reduce the resistance of the clay to the flow of vapors and gases therethrough.

2,030,631

BALING APPARATUS

George Innes, Davenport, Iowa, assignor to Innes Manufacturing Company, Buttendorf, Iowa, a corporation of Delaware

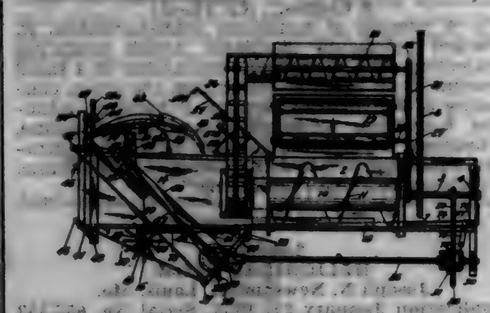
Application May 17, 1934, Serial No. 726,182

In Australia May 24, 1933

16 Claims. (Cl. 100—36)

1. A baler for the purpose indicated comprising a stalks-receiving compartment, a stalks-tying compartment, means for forcing the stalks from the first named compartment to the second named compartment, and means for receiving chaff and

loose grain from a combine and transporting same to and delivering it into one of said compartments to be there intermingled with loose stalks, after which the stalks will be compressed and tied into bales, the means for receiving the chaff and loose grain and delivering same comprising an auger and mechanism for carrying the chaff and grain from the auger to the place of delivery.



4. A stalks baler of the general nature indicated comprising a tubular member for receiving and forming the stalks into a bale, means for conveying the stalks from the point where received to the location where baled, a needle-carrying arm pivotally mounted on said tubular member and adapted to be actuated to carry needles through said tubular member, needles carried by said arm and forced through the tubular member, and a straw cutting means carried by each needle to pass through the tubular member and assist in enlarging the passage through the stalks therein for the reciprocation of this needle.

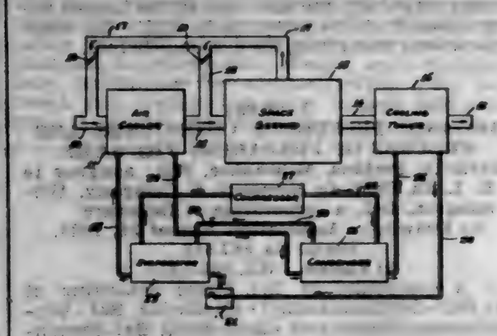
2,030,632

AIR CONDITIONING SYSTEM EMPLOYING REFRIGERATION

Robert E. Keyes, Dedham, Mass., assignor to The Cooling & Air Conditioning Corporation, New York, N. Y.

Application September 7, 1934, Serial No. 743,859

4 Claims. (Cl. 62—129)



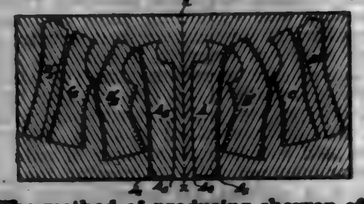
1. Air conditioning apparatus comprising an air cooler, a refrigeration plant including an evaporator for supplying a cooling effect to said cooler, means for passing air to be cooled through said cooler and into the space to be served, and for exhausting a portion of the cold air from the space, a cooling tower, means for directing said exhaust air through said tower, and means for passing the spray water returned in said cooling tower through said evaporator and then through said cooler.

the upper section being slidable relatively to the lower section, the upper portion of said operating tube being adapted to contain leads, and lead-



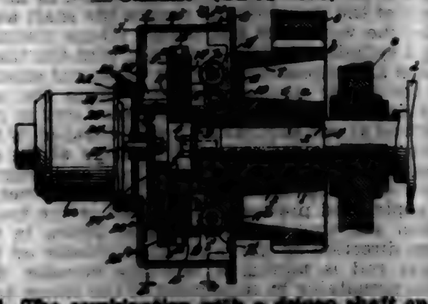
delivery means formed in said operating tube below and in communication with said portion and exposed on sliding said sections apart.

2,030,026
GARMENT MANUFACTURE
Edwin I. Gelding, New York, N. Y., assignor to Ira W. Hirshfield, New York, N. Y.
Application April 10, 1935, Serial No. 15,572
2 Claims. (Cl. 2—243)



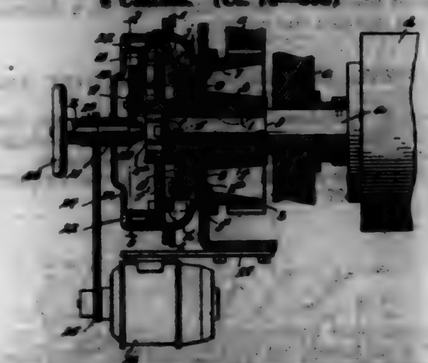
1. The method of producing chevron effects in an assembly consisting of a plurality of separate pieces united along contiguous edges, out of a piece of cloth patterned on its right side so that the pattern on one side of the longitudinal medial line thereof is the mirror image of the pattern on the opposite side, and each of said patterns being constituted by diagonal-like striped contours meeting at said longitudinal medial line so as to give a chevron effect: said method including the steps of doubling over said cloth along its longitudinal medial line, whereby the striped contours on its two halves run in the same direction, laying out the pieces constituting the assembly on one of the surfaces of said doubled-over cloth, so that one piece of each pair of pieces that are contiguously positioned in the assembly, is the mirror image of the contour required for fitting it to the other piece of the pair, and further positioning their contiguous edges so that the diagonal-like contour will intersect said edges at an angle sufficient to produce a chevron effect when the pieces are joined, cutting through said doubled-over cloth along said pattern lines, whereby two sets of pieces are produced, each piece of one set having its counterpart in the other set and differing therefrom in that it is a mirror image of the other, thereafter selecting the pieces required for an assembly by taking one of each pair of pieces contiguously positioned in the assembly from different layers of said doubled over cloth, and joining said selected pieces together so as to form the completed assembly, and similarly joining the remaining pieces to form an assembly that is the mirror image of the said first-mentioned assembly.

2,030,027
SHAFT ADJUSTING MEANS
Henry B. Greenwood, Glenarm, Md., assignor to F. X. Hooper Company, Inc., Glenarm, Md., a corporation of Maryland
Application December 31, 1934, Serial No. 760,811
11 Claims. (Cl. 74—395)



1. The combination with a driven shaft and a drive gear rotatively mounted thereon, of a worm gear fixed to the drive gear concentric with said shaft, a sleeve secured to said shaft so as to rotate therewith, a shaft carried by the sleeve, a worm pinion on the latter shaft meshing with the worm gear, a reversible electric motor supported by said sleeve and having its shaft co-axial with said driven shaft, and gearing connecting the motor shaft with the shaft carrying the worm pinion.

2,030,028
SHAFT ADJUSTING MEANS
Henry B. Greenwood, Glenarm, Md., assignor to F. X. Hooper Company, Inc., Glenarm, Md., a corporation of Maryland
Application February 12, 1935, Serial No. 6,575
4 Claims. (Cl. 74—395)



1. The combination with a driven shaft and a drive gear rotatably mounted thereon, of a worm gear fixed to the drive gear concentric with said shaft, a sleeve secured to said shaft so as to rotate therewith, two worm pinions rotatively mounted on the sleeve and meshing with the worm gear, means for rotating said pinions in unison, and means for rotating one of said pinions independently of the other pinion.

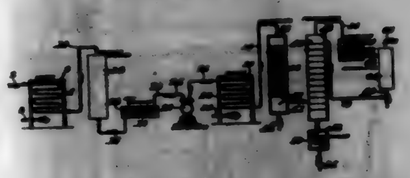
2,030,029
INCLOSURE FOR A NUMBER OF INDOOR COURTS
Gavin Hadden, New York, and Charles A. Holden, New Rochelle, N. Y.; said Holden assignor to said Hadden
Application July 5, 1933, Serial No. 679,524
4 Claims. (Cl. 98—1.13)

4. In a structure for inclosing a number of indoor tennis courts having an opaque roof arching over the floor in a direction corresponding with the longer dimension of said courts, the method of securing uniformity of illumination along the flight of the ball in any plane of play parallel to the said floor which comprises interposing in said opaque roof a crescent-shaped monitor hav-



ing light-admitting areas in its side walls and varying the area of said light-admitting areas so that the solid angle subtended by this area at any point in any line parallel to the monitor in the plane of play shall be approximately equal to the solid angle at any other point in the same line.

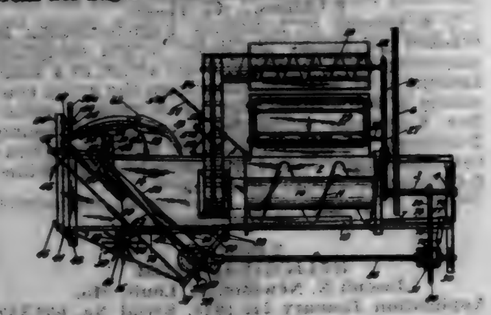
2,030,030
PYROLYSIS OF HYDROCARBON GASES
Michael Halpern, New York, William B. Logan, White Plains, and Robert E. Manley and Walter Ullrich, Syracuse, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 29, 1932, Serial No. 620,168
2 Claims. (Cl. 196—10)



1. In the conversion of normally gaseous hydrocarbons into higher molecular weight hydrocarbons by subjection of the gases to be treated to a pyrolysis operation to cause substantial cracking of paraffins into olefins and then passage of the resultant cracked products through an adsorptive catalyst to effect polymerization of the olefins into higher molecular weight compounds, the improvement which comprises passing the cracked products in the polymerization operation through a catalyst consisting essentially of a high power clay of the acid treated montmorillonite type and characterized by having 50–100% thereof finer than 200 mesh and a filter aid material in sufficient amount to substantially reduce the resistance of the clay to the flow of vapors and gases therethrough.

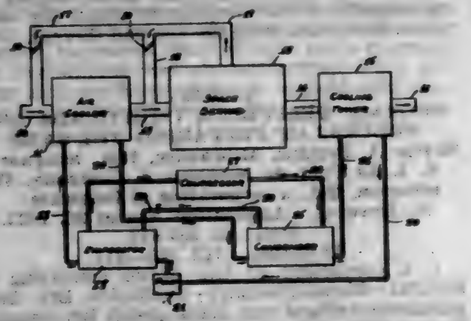
2,030,031
BALING APPARATUS
George Innes, Davenport, Iowa, assignor to Innes Manufacturing Company, Buttendorf, Iowa, a corporation of Delaware
Application May 17, 1934, Serial No. 726,182
In Australia May 24, 1933
13 Claims. (Cl. 100—36)

1. A baler for the purpose indicated comprising a stalks-receiving compartment, a stalks-tying compartment, means for forcing the stalks from the first named compartment to the second named compartment, and means for receiving chaff and loose grain from a combine and transporting same to and delivering it into one of said compartments to be there intermingled with loose stalks, after which the stalks will be compressed and tied into bales, the means for receiving the chaff and loose grain and delivering same comprising an auger and mechanism for carrying the chaff and grain from the auger to the place of delivery.



4. A stalks baler of the general nature indicated comprising a tubular member for receiving and forming the stalks into a bale, means for conveying the stalks from the point where received to the location where baled, a needle-carrying arm pivotally mounted on said tubular member and adapted to be actuated to carry needles through said tubular member, needles carried by said arm and forced through the tubular member, and a straw cutting means carried by each needle to pass through the tubular member and assist in enlarging the passage through the stalks therein for the reciprocation of this needle.

2,030,032
AIR CONDITIONING SYSTEM EMPLOYING REFRIGERATION
Robert E. Keyes, Dedham, Mass., assignor to The Cooling & Air Conditioning Corporation, New York, N. Y.
Application September 7, 1934, Serial No. 743,959
4 Claims. (Cl. 62—129)



1. Air conditioning apparatus comprising an air cooler, a refrigeration plant including an evaporator for supplying a cooling effect to said cooler, means for passing air to be cooled through said cooler and into the space to be served, and for exhausting a portion of the cold air from the space, a cooling tower, means for directing said exhaust air through said tower, and means for passing the spray water returned in said cooling tower through said evaporater and then through said cooler.

2,030,623

TREATMENT OF CRACKED PETROLEUM DISTILLATES

Elliott B. McConnell, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application June 19, 1933, Serial No. 675,297
8 Claims. (Cl. 44—9)

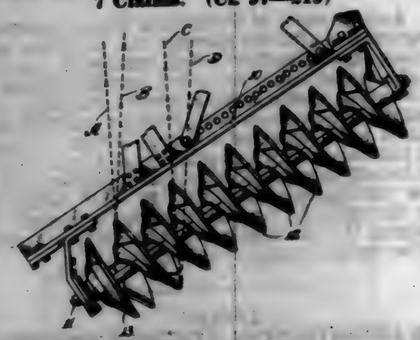
1. A process of inhibiting gum-formation in cracked petroleum distillates, which comprises subjecting such distillate to the action of a small amount of an agent selected from the group consisting of 8-hydroxy quinoline, 2-hydroxy quinoline, 6-hydroxy quinoline, 7-hydroxy quinoline, 2-hydroxy tetrahydroquinoline, 6-hydroxy tetrahydroquinoline, 7-hydroxy tetrahydroquinoline, 8-hydroxy tetrahydroquinoline.

2,029,624

HELICOIDAL PLOW

Joseph N. Newsom, St. Louis, Mo.

Application January 21, 1933, Serial No. 652,853
7 Claims. (Cl. 97—219)



1. A plow comprising a shaft, a cupped helicoidal blade supported on the shaft and a cup shaped disc supported on the shaft at one end of the helicoidal blade, and means for rotatably supporting said shaft at an angle to a line of draft with the disc end occupying the rearmost position, whereby the blade and disc will roll when drawn forwardly, the direction of the helixes being opposite to the direction in which the blade rolls when viewed from the disc end thereof.

2,030,625

ORGANIC TELLURIUM COMPOUNDS AND PROCESS OF PREPARING THE SAME

Melvin A. Perkins, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 26, 1933, Serial No. 687,012
11 Claims. (Cl. 260—61)

1. A compound of the group consisting of Bz1,Bz1'-dibenzanthronyl-ditelluride, Bz1-benzanthrone-tellurol and alkali-metal Bz1-benzanthrone tellurolate.

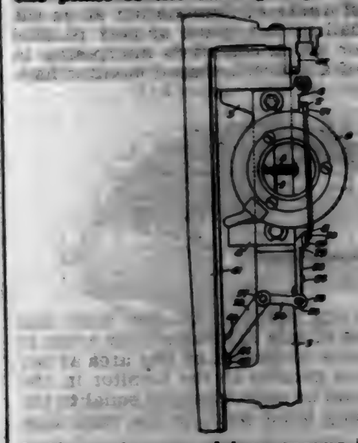
2,030,626

WIPER FOR SLUG TRIMMING KNIVES

Arthur G. Sperry, Hollis, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York

Application May 24, 1935, Serial No. 23,204
12 Claims. (Cl. 199—42)

1. In a line casting machine having a pair of slug trimming knives, wipers individual to the knives and each mounted for movement across the plane of the cutting edge of the respective



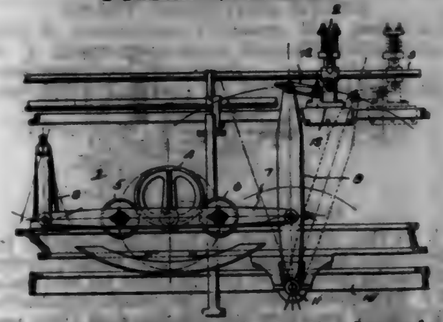
knife, and power driven means for moving the wipers.

2,030,627

YIELDABLE SAFETY LOCK

Kurt O. Wassbäter and Herbert M. Sussa, Berlin, N. J., assignors to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application January 11, 1934, Serial No. 706,166
4 Claims. (Cl. 66—32)



1. In combination with the friction box rod and the coulier motion mechanism of a full fashioned knitting machine, said rod subject to a variable force acting to resist its movement during reciprocation thereof, a device therefor having permanent drive connection to said mechanism and frictional releasable drive connection to said rod, whereby complete release of said device from said rod is effected upon the rod encountering a predetermined maximum resistance, and a shock absorbing limited relative movement, insufficient to effect complete release of said device and rod, is effected upon the rod encountering a resistance less than said predetermined maximum resistance.

2,030,628

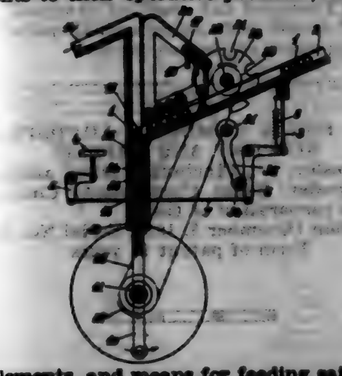
CONTROLLING DEVICE

Lajos Wenesior, Augsburg, Germany, assignor to Ubertype Aktiengesellschaft, Kubli Hemm, Glarus, Switzerland, a corporation of Switzerland

Application February 9, 1935, Serial No. 5,869
In Germany August 29, 1933
10 Claims. (Cl. 74—1)

1. A control mechanism, comprising loose registering elements adapted to freely move by gravity along definite paths, a rhythmically moving

member for uniformly conveying said registering elements to their operative positions, loose spac-



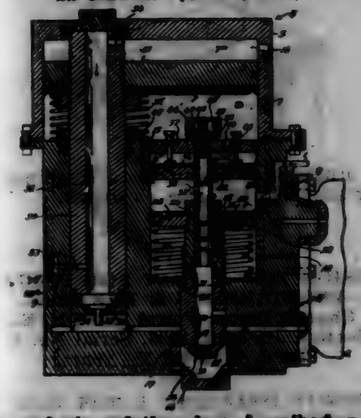
ing elements, and means for feeding said spacing elements into position to successively advance by gravity in between two registering elements.

2,030,629

AIR BRAKE MECHANISM

Dennis C. Hennan, Detroit, Mich.; Anna Dalton executrix of said Dennis C. Hennan, deceased

Application August 7, 1928, Serial No. 284,066
22 Claims. (Cl. 303—39)



1. In a device of the class described, a casing having a chamber adapted to be supplied with air from the main train line conduit, a second chamber adapted to receive air from the first chamber, means for conducting air from the second chamber to a brake cylinder, auxiliary means for conducting air from the second chamber to the brake cylinder, means for controlling the passage of air from the first chamber to the second chamber, and means associated with said last mentioned means for controlling the passage of air from the second chamber to the brake cylinder.

2,030,640

SHIPPING CONTAINER

George T. Hynes and Gordon S. Smith, Bala-Cynwyd, Pa.

Application December 3, 1934, Serial No. 756,565
7 Claims. (Cl. 294—59)



1. A package of merchandise comprising a piece of merchandise in rolled form and two relatively inverted container sections that telescope the oppositely disposed ends of said roll of merchandise and make contact at their inner edges so as to inclose the said roll within the said container; each of said container sections consisting of a tubular body and a load ring permanently fixed in the outer end of said tube, by means of metallic elements passing through said tube and load ring and clinched within said load ring; said load rings being substantially conterminous with the annular edges of the roll of merchandise and adapted to directly support said merchandise during all positions of said container; a pair of relatively thin discs, capable of withstanding compressive stress alone, positioned transversely of said container between said load rings and said merchandise, to prevent entry of dust; and a gummed tape overlapping the circumferential joint between said container sections to hold said sections in contact with each other.

DESIGNS

FEBRUARY 4, 1936

98,414

DESIGN FOR A MECHANICAL LEAD PENCIL

Robert Back, Chicago, Ill., assignor to The Wahl Company, Chicago, Ill., a corporation of Delaware

Application December 30, 1935, Serial No. 60,342

Term of patent 7 years



The ornamental design for a mechanical lead pencil, substantially as shown.

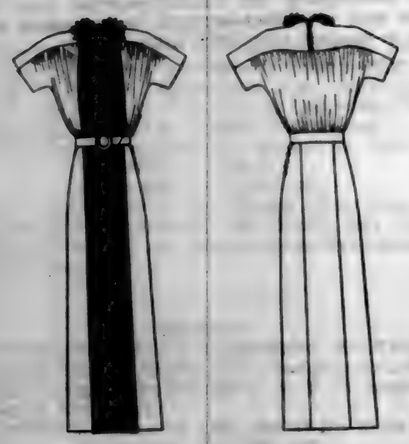
98,415

DESIGN FOR A DRESS

Charles Baum, Woodmere, N. Y.

Application January 2, 1936, Serial No. 60,470

Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

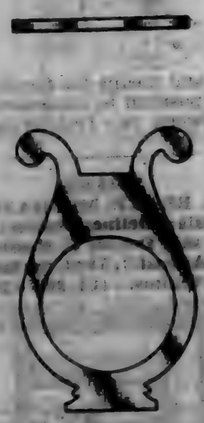
98,416

DESIGN FOR A COMBINED LOUDSPEAKER SUPPORT AND BAFFLE

Powel Crosley, Jr., Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio

Application December 5, 1935, Serial No. 59,934

Term of patent 14 years



The ornamental design for a combined loudspeaker support and baffle, as shown.

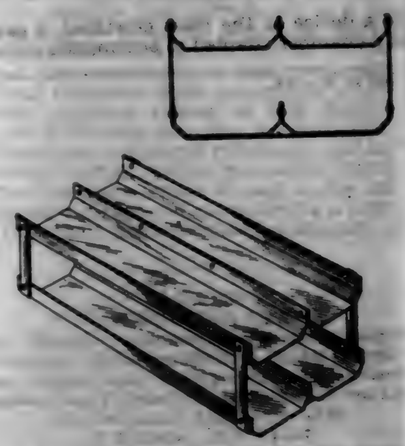
98,417

DESIGN FOR A TRAY FOR FRUITS, VEGETABLES, OR THE LIKE

Charles Dunn, Forest Hills, N. Y.

Application June 26, 1935, Serial No. 57,349

Term of patent 3½ years



The ornamental design for a tray for fruits, vegetables, or the like, as shown.

98,418

DESIGN FOR A TROPHY CUP

George C. De Hart, Los Angeles, Calif.

Application December 18, 1935, Serial No. 60,039

Term of patent 3½ years



The ornamental design for a trophy cup, substantially as shown.

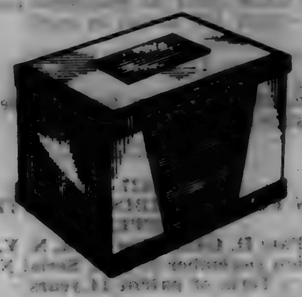
98,419

DESIGN FOR A MULTIPLE CANDY BOX

Irving A. Delme, Denver, Colo.

Application February 15, 1935, Serial No. 55,451

Term of patent 7 years



The ornamental design for a multiple candy box, as shown and described.

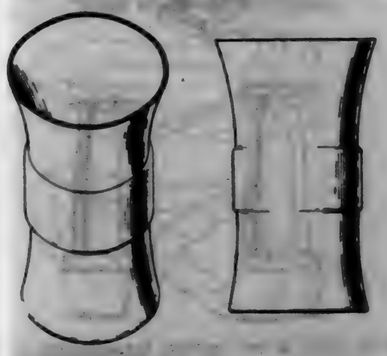
98,420

DESIGN FOR A DRINKING TUMBLER

Donald Deskey, New York, N. Y., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio, a corporation of Ohio

Application August 19, 1935, Serial No. 58,188

Term of patent 7 years



The ornamental design for a drinking tumbler substantially as shown.

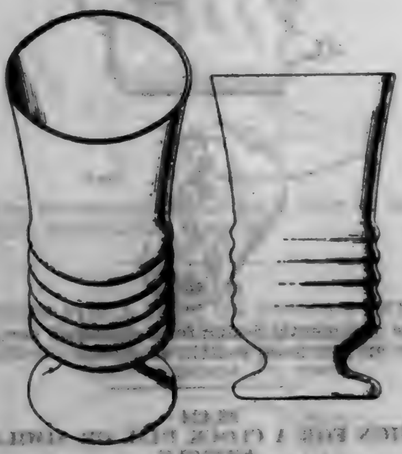
98,421

DESIGN FOR A TUMBLER

Donald Deskey, New York, N. Y., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio, a corporation of Ohio

Application December 14, 1935, Serial No. 60,064

Term of patent 7 years



The ornamental design for a tumbler substantially as shown.

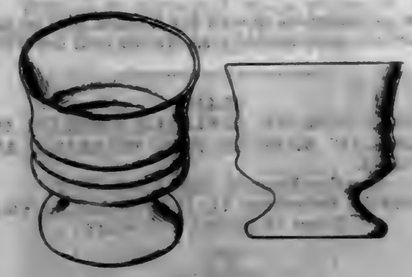
98,422

DESIGN FOR A SHERBET GLASS

Donald Deskey, New York, N. Y., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio, a corporation of Ohio

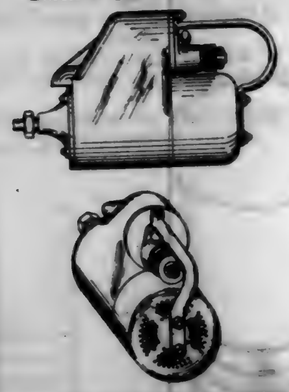
Application December 14, 1935, Serial No. 60,065

Term of patent 7 years



The ornamental design for a sherbet glass substantially as shown.

86,423
DESIGN FOR A COMBINED PORTABLE MOTOR AND ENCLOSED SWITCH
Forrest G. Douglass, Los Angeles, Calif., assignor to Viber Company Limited, a corporation of Nevada
Application December 7, 1935, Serial No. 59,949
Term of patent 14 years



The ornamental design for a combined portable motor and enclosed switch, as shown.

86,424
DESIGN FOR A CLOCK DIAL OR SIMILAR ARTICLE
Aaron Elkenin, Brooklyn, N. Y.
Application October 12, 1935, Serial No. 58,961
Term of patent 14 years



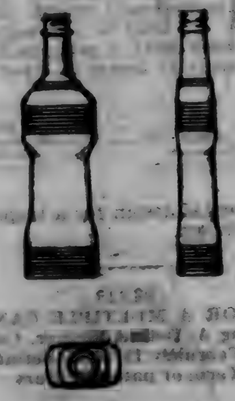
The ornamental design for a clock dial or similar article substantially as shown and described.

86,425
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE FOR WEARING APPAREL
Charles Emmey, New York, N. Y.
Application December 17, 1935, Serial No. 60,141
Term of patent 3½ years



The ornamental design for an appliqué emblem or similar article for wearing apparel, substantially as shown and described.

86,426
DESIGN FOR A BOTTLE
Brooks D. Fuerst, Toledo, Ohio, assignor to Glass Crandall Company, Chicago, Ill., a corporation of Illinois
Application December 5, 1935, Serial No. 59,921
Term of patent 7 years



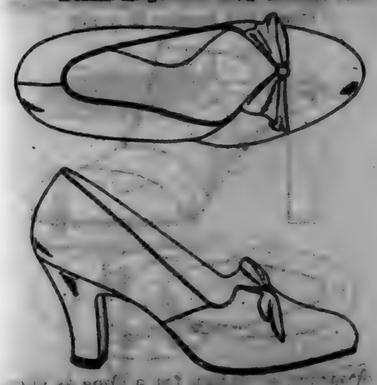
The ornamental design for a bottle substantially as shown.

86,427
DESIGN FOR A COMBINED BOTTLE AND STOPPER
Paul H. Gann, New York, N. Y.
Application December 5, 1935, Serial No. 59,913
Term of patent 14 years



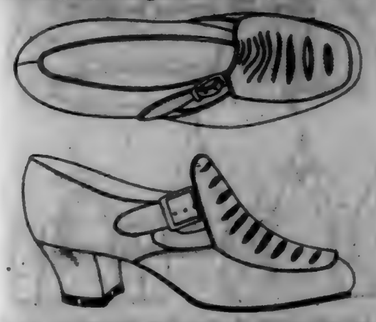
The ornamental design for a combined bottle and stopper, as shown.

86,428
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Julius A. Goldberg, Chicago, Ill.
Application December 19, 1935, Serial No. 60,172
Term of patent 3½ years



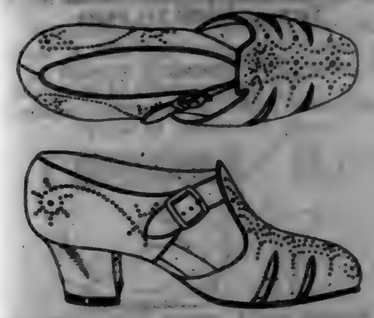
The ornamental design for a shoe or similar article, substantially as shown.

86,429
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Julius A. Goldberg, Chicago, Ill.
Application December 19, 1935, Serial No. 60,173
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

86,430
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Julius A. Goldberg, Chicago, Ill.
Application December 19, 1935, Serial No. 60,174
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

86,431
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Julius A. Goldberg, Chicago, Ill.
Application December 19, 1935, Serial No. 60,175
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

86,432
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Julius A. Goldberg, Chicago, Ill.
Application December 19, 1935, Serial No. 60,176
Term of patent 3½ years



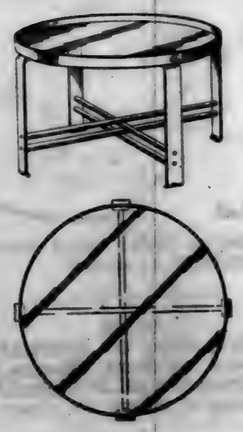
The ornamental design for a shoe or similar article, substantially as shown.

86,433
DESIGN FOR A TEXTILE FABRIC
William R. Haywood, White Plains, N. Y.
Application December 23, 1935, Serial No. 60,229
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

98,434
DESIGN FOR A TABLE
Wolfgang Hoffmann, Batavia, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application December 24, 1935, Serial No. 60,266
Term of patent 3½ years



The ornamental design for a table, as shown.

98,435
DESIGN FOR A SHOE
Herbert Heitz, Haverhill, Mass.
Application November 15, 1935, Serial No. 59,581
Term of patent 3½ years



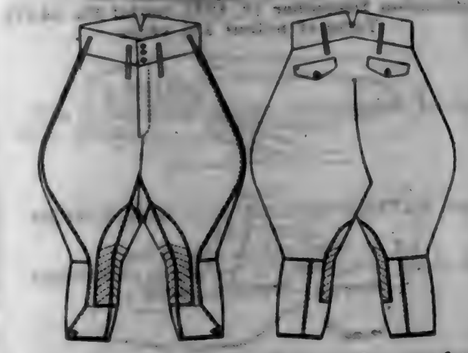
The ornamental design for a shoe as shown.

98,436
DESIGN FOR A SHOE
Herbert Heitz, Haverhill, Mass.
Application November 15, 1935, Serial No. 59,582
Term of patent 3½ years



The ornamental design for a shoe as shown.

98,437
DESIGN FOR BREECHES
Harry Z. Isaacs, Baltimore, Md.
Application September 10, 1934, Serial No. 53,230
Term of patent 14 years



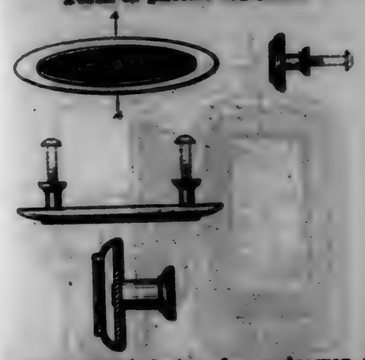
The ornamental design for breeches, as shown and described.

98,438
DESIGN FOR A SHOE
Helen R. Kozak, New York, N. Y., assignor to Laird, Schober Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application December 14, 1935, Serial No. 60,060
Term of patent 3½ years



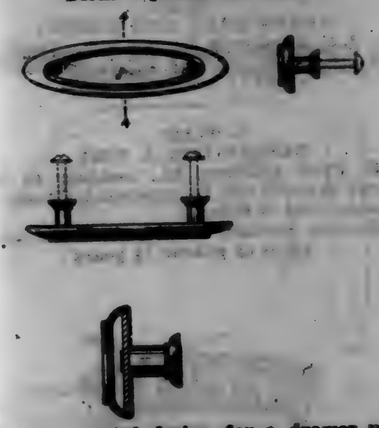
The ornamental design for a shoe, substantially as shown.

98,439
DESIGN FOR A DRAWER PULL
Raymond H. Martin, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application November 20, 1935, Serial No. 59,667
Term of patent 3½ years



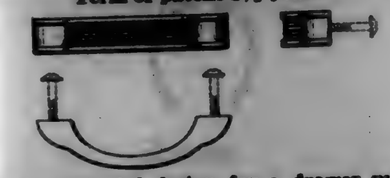
The ornamental design for a drawer pull, as shown.

98,440
DESIGN FOR A DRAWER PULL
Raymond H. Martin, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application November 20, 1935, Serial No. 59,668
Term of patent 3½ years



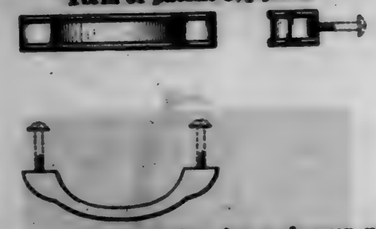
The ornamental design for a drawer pull, as shown.

98,441
DESIGN FOR A DRAWER PULL
Raymond H. Martin, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application November 20, 1935, Serial No. 59,669
Term of patent 3½ years



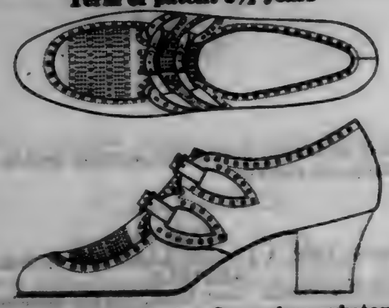
The ornamental design for a drawer pull, as shown.

98,442
DESIGN FOR A DRAWER PULL
Raymond H. Martin, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application November 20, 1935, Serial No. 59,670
Term of patent 3½ years



The ornamental design for a drawer pull, as shown.

98,443
DESIGN FOR A SHOE
Joseph McGee, New York, N. Y., assignor to Bancroft-Walker Co., Waltham, Mass., a corporation of Massachusetts
Application December 14, 1935, Serial No. 60,086
Term of patent 3½ years



The ornamental design for a shoe substantially as shown and described.

98,444
DESIGN FOR A METAL BOTTLE
Charles E. McManus, Spring Lake, N. J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application August 9, 1935, Serial No. 58,653
Term of patent 14 years



The ornamental design for a metal bottle, substantially as shown.

98,445
DESIGN FOR A METAL BOTTLE
Charles E. McManus, Spring Lake, N. J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application August 9, 1935, Serial No. 58,855
Term of patent 14 years



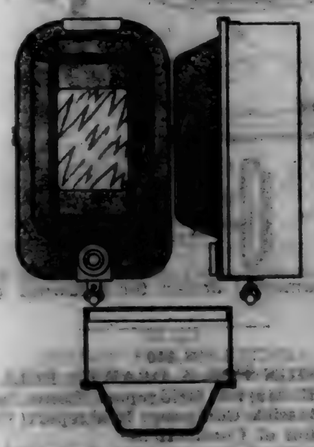
The ornamental design for a metal bottle, substantially as shown.

98,446
DESIGN FOR A FLASH LAMP OR SIMILAR ARTICLE
Samuel Osterman, New York, N. Y., assignor to Guth, Stern & Co. Inc., a corporation of New York
Application May 17, 1935, Serial No. 56,883
Term of patent 7 years



The ornamental design for a flash lamp or similar article, as shown.

98,447
DESIGN FOR A SUPPLEMENTARY METER CASING
Milton A. Finley and Edward H. McCloud, Columbus, Ohio
Application May 27, 1935, Serial No. 57,042
Term of patent 7 years



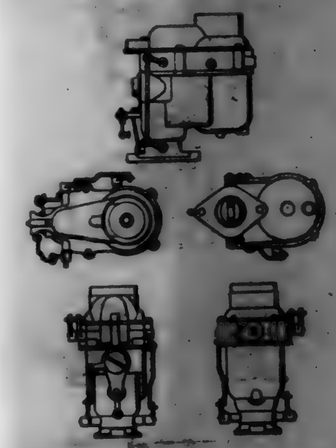
The ornamental design for a supplementary meter casing as shown and described.

98,448
DESIGN FOR A TIRE
Bert R. Prall, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application January 8, 1935, Serial No. 48,766
Term of patent 14 years



The ornamental design for a tire, as shown.

98,449
DESIGN FOR A CARBURETOR OR SIMILAR ARTICLE
Arthur O. Randall, Miami, Fla., assignor to Randall Holding Corp., a corporation of Florida
Application February 21, 1935, Serial No. 58,556
Term of patent 14 years



The ornamental design for a carburetor or similar article, as shown.

98,450
DESIGN FOR BABY PANTS
Abraham N. Spanel, Rochester, N. Y.
Application December 11, 1935, Serial No. 60,011
Term of patent 14 years



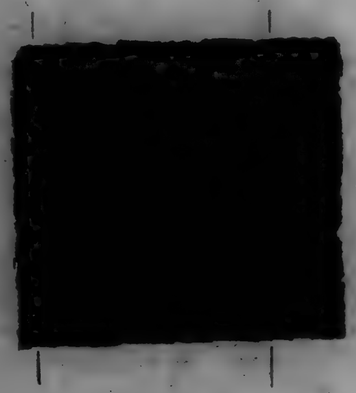
The ornamental design for baby pants as shown.

98,451
DESIGN FOR A BUCKLE
Harland F. Wright, New York, N. Y.
Application December 28, 1935, Serial No. 60,313
Term of patent 3½ years



The ornamental design for a buckle substantially as shown.

98,452
DESIGN FOR A LACE
Leon Birnbaum, New York, N. Y.
Application January 8, 1936, Serial No. 60,471
Term of patent 3½ years



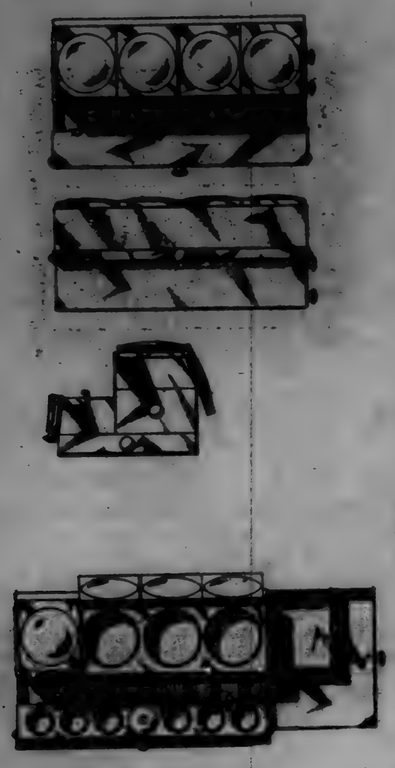
The ornamental design for a lace, substantially as shown and described.

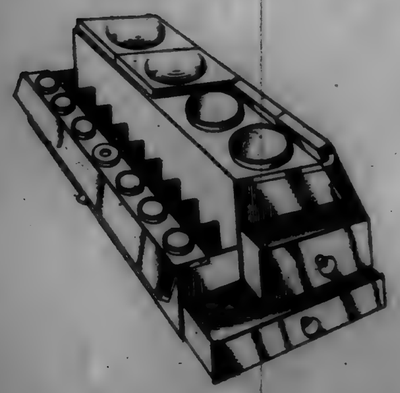
98,453
DESIGN FOR A BOWL
Jeddie E. Clark, Dunkirk, Ind., assignor to Indiana Glass Company, Dunkirk, Ind., a corporation of Indiana
Application November 21, 1935, Serial No. 59,693
Term of patent 7 years



The ornamental design for a bowl, as shown.

98,454
DESIGN FOR A MANICURIST KIT
Eleanor Greenbaum, Los Angeles, Calif.
Application May 17, 1929, Serial No. 48,158
Term of patent 7 years





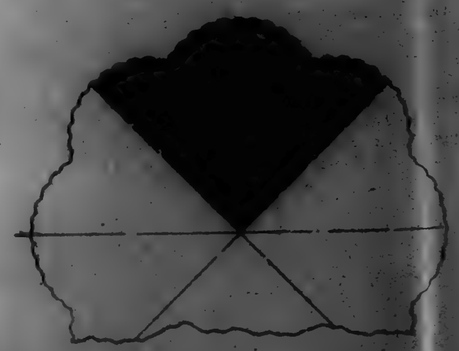
The ornamental design for a manicurist kit, as shown and described.

98,455
DESIGN FOR A BOTTLE
Marie Rose De Mandrille, Paris, France, assignor to Societe Anonyme Industrielle, Paris, France, a corporation of France
Application July 10, 1926, Serial No. 97,746
Term of patent 14 years



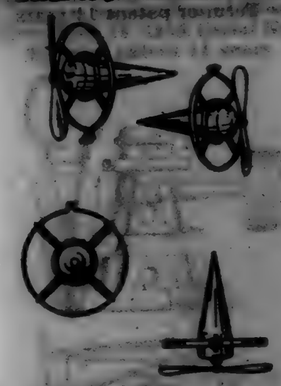
The ornamental design for a bottle, substantially as shown.

98,456
DESIGN FOR A DOILY
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 26, 1928, Serial No. 94,881
Term of patent 14 years



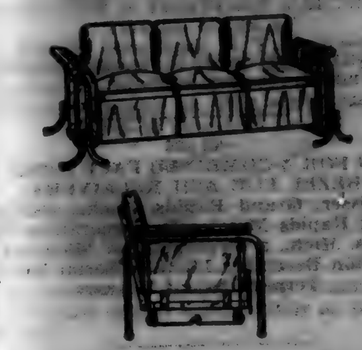
The ornamental design for a doily, substantially as shown and described.

98,457
DESIGN FOR AN ELECTRIC FAN
Charles D. Haynes, Fort Worth, Tex.
Application July 15, 1924, Serial No. 90,577
Term of patent 14 years



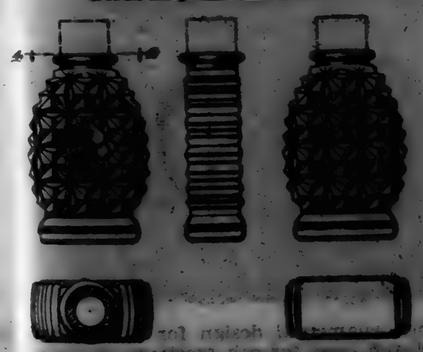
The ornamental design for an electric fan, as shown.

98,458
DESIGN FOR A GLIDER
William Hume Logan, Louisville, Ky.
Application March 11, 1925, Serial No. 55,811
Term of patent 3½ years



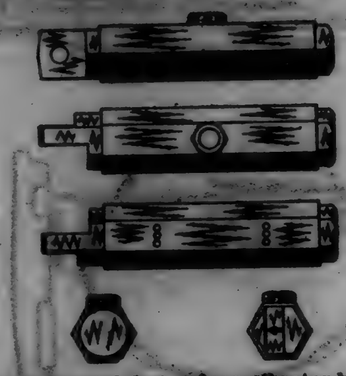
The ornamental design for a glider, as shown.

98,459
DESIGN FOR A BOTTLE
William H. Miller, Baltimore, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application December 15, 1925, Serial No. 80,192
Term of patent 14 years



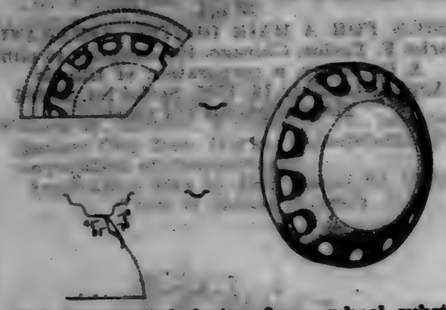
The ornamental design for a bottle, as shown.

98,460
DESIGN FOR A VIBRATOR BODY
George B. Bishop, New Haven, Conn.
Application September 20, 1924, Serial No. 84,511
Term of patent 14 years



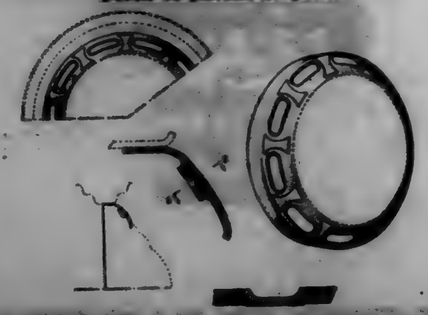
The ornamental design for a vibrator body substantially as shown.

98,461
DESIGN FOR A WHEEL
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application July 8, 1925, Serial No. 57,582
Term of patent 14 years



The ornamental design for a wheel substantially as shown.

98,462
DESIGN FOR A WHEEL
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application July 13, 1925, Serial No. 57,717
Term of patent 14 years



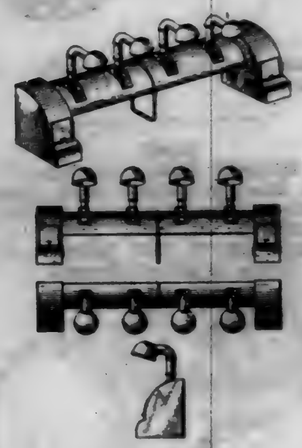
The ornamental design for a wheel substantially as shown.

98,462
DESIGN FOR BABY PANTS
Abrahan N. Spanel, Rochester, N. Y.
Application December 11, 1935, Serial No. 60,610
Term of patent 14 years



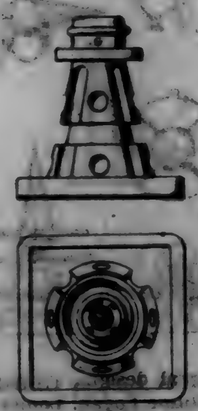
The ornamental design for baby pants as shown.

98,464
DESIGN FOR A HAIR DRYING APPARATUS
Charles F. Taylor, Chicago, Ill., assignor to Gibbs & Company, a corporation of Illinois
Application July 16, 1935, Serial No. 57,664
Term of patent 3½ years



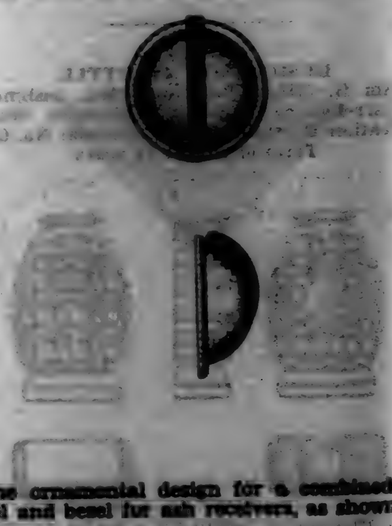
The ornamental design for a hair drying apparatus as shown.

98,465
DESIGN FOR A COMBINED CIGARETTE HOLDER AND ASH RECEIVER
William Benner Ulmer, Pottsville, Pa.
Application November 2, 1935, Serial No. 59,415
Term of patent 14 years



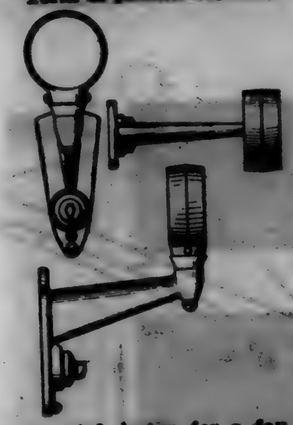
The ornamental design for a combined cigarette holder and ash receiver, as shown.

98,466
DESIGN FOR A COMBINED FACE PANEL AND BEZEL FOR ASH RECEIVERS
John Visser, Grand Rapids, Mich., assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich., a corporation of Michigan
Application December 14, 1935, Serial No. 60,043
Term of patent 14 years



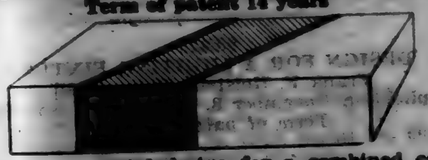
The ornamental design for a combined face panel and bezel for ash receivers, as shown.

98,467
DESIGN FOR A FAN BRACKET
James J. Wall, Wausau, Wis., assignor to Marathon Electric Manufacturing Corporation, Wausau, Wis., a corporation of Wisconsin
Application June 10, 1935, Serial No. 57,216
Term of patent 14 years



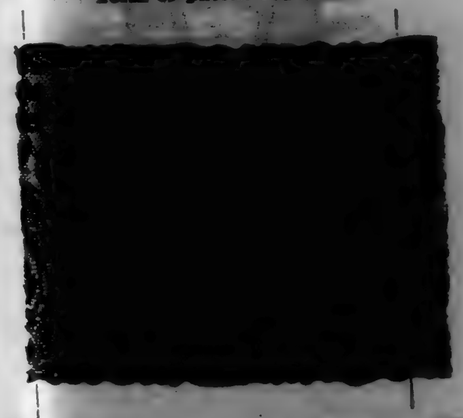
The ornamental design for a fan bracket as shown.

98,468
DESIGN FOR A COMBINED CARTON AND TOWEL DISPLAY
Kurt Wandel, New York, N. Y., assignor to The Rieser Company, Inc., New York, N. Y., a corporation
Application October 22, 1935, Serial No. 60,158
Term of patent 14 years



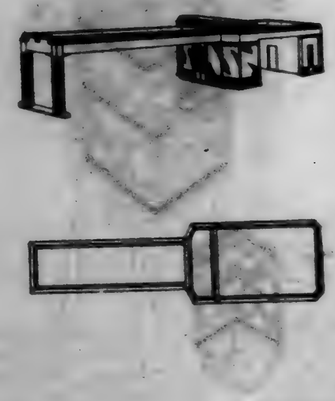
The ornamental design for a combined carton and towel display substantially as shown and described.

98,469
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application December 31, 1935, Serial No. 60,214
Term of patent 3½ years



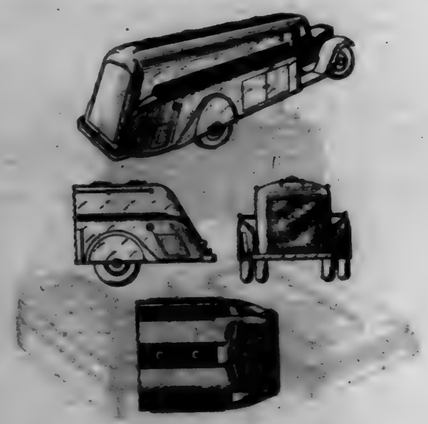
The ornamental design for a lace substantially as shown and described.

98,470
DESIGN FOR A SERVICE STATION
Ralph N. Aldrich, San Francisco, Calif., assignor to Standard Stations, Inc., San Francisco, Calif., a corporation of Delaware
Application December 9, 1935, Serial No. 59,969
Term of patent 14 years



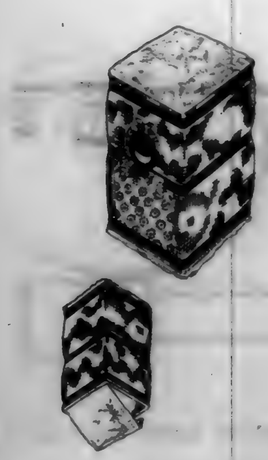
The ornamental design for a service station, as shown and described.

98,471
DESIGN FOR A TANK VEHICLE
William W. Ammon, Wyndmoor, Pa., assignor to Quaker City Iron Works, Philadelphia, Pa., a corporation of Pennsylvania
Application May 25, 1935, Serial No. 57,613
Term of patent 14 years



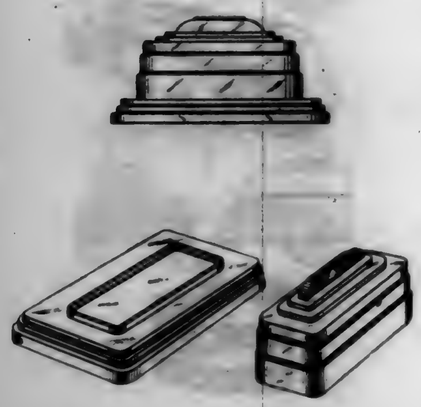
The ornamental design for a tank vehicle, substantially as shown and described.

86,472
DESIGN FOR A BOX
Pierre Eugene Bagur, New Orleans, La.
Application December 2, 1935, Serial No. 59,897
Term of patent 14 years



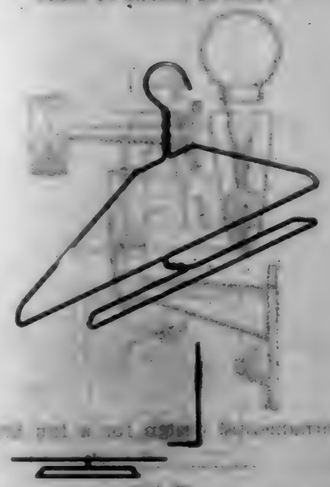
The ornamental design for a box, as shown.

86,473
DESIGN FOR A BUTTER DISH
Nettie M. Brockmeyer, University City, Mo.
Application November 7, 1935, Serial No. 59,427
Term of patent 3½ years



The ornamental design for a butter dish substantially as shown and described.

86,474
DESIGN FOR A GARMENT HANGER
Edward B. Farmer, St. Johnsbury, Vt.
Application January 15, 1935, Serial No. 54,944
Term of patent 7 years



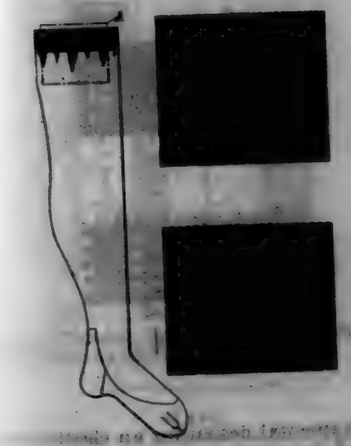
The ornamental design for a garment hanger, as shown and described.

86,475
DESIGN FOR A LIGHTING FIXTURE
Frank F. Holstein, Chicago, Ill.
Application November 2, 1935, Serial No. 59,439
Term of patent 7 years



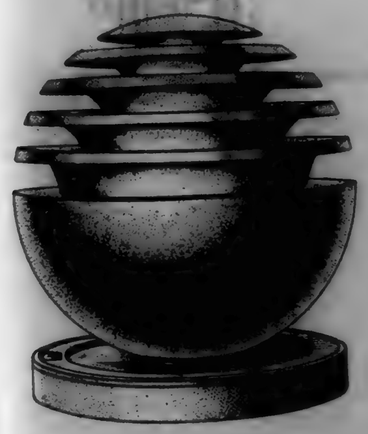
The ornamental design for a lighting fixture as shown and described.

86,476
DESIGN FOR A STOCKING
Otto Eugene Huber, Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application December 23, 1935, Serial No. 60,235
Term of patent 14 years



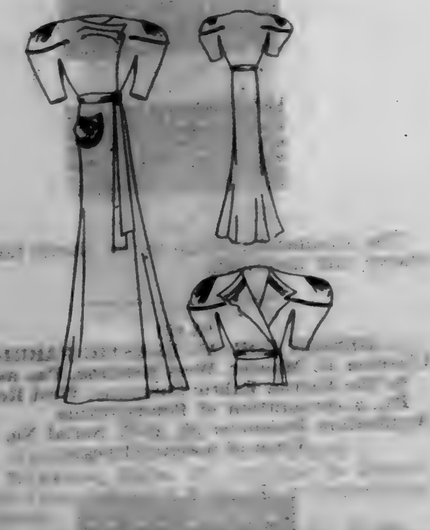
The ornamental design for a stocking as shown and described.

86,477
DESIGN FOR A RADIO CABINET
Gustav E. Jensen, New York, N. Y.
Application December 18, 1935, Serial No. 60,158
Term of patent 14 years



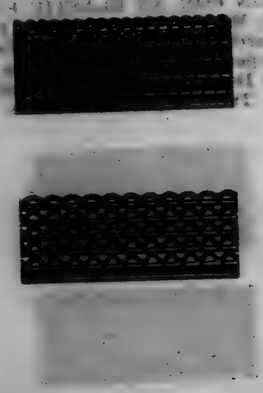
The ornamental design for a radio cabinet as shown.

86,478
DESIGN FOR A HOUSE COAT
Helen Lobel, New York, N. Y.
Application December 23, 1935, Serial No. 60,322
Term of patent 3½ years



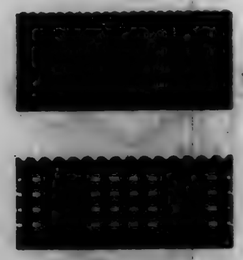
The ornamental design for a house coat substantially as shown and described.

86,479
DESIGN FOR AN ELASTIC FABRIC
Clarence D. Maurer, West Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application December 23, 1935, Serial No. 60,230
Term of patent 14 years



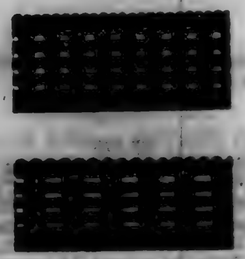
The ornamental design for an elastic fabric as shown and described.

98,480
DESIGN FOR AN ELASTIC FABRIC
Clarence D. Maurer, West Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application December 23, 1935, Serial No. 60,231
Term of patent 14 years



The ornamental design for an elastic fabric, as shown and described.

98,481
DESIGN FOR AN ELASTIC FABRIC
Clarence D. Maurer, West Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application December 23, 1935, Serial No. 60,232
Term of patent 14 years



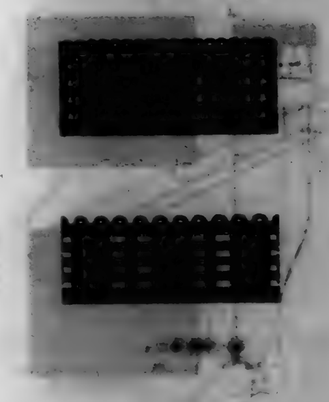
The ornamental design for an elastic fabric, as shown and described.

98,482
DESIGN FOR AN ELASTIC FABRIC
Clarence D. Maurer, West Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application December 23, 1935, Serial No. 60,233
Term of patent 14 years



The ornamental design for an elastic fabric as shown and described.

98,483
DESIGN FOR AN ELASTIC FABRIC
Clarence D. Maurer, West Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application December 23, 1935, Serial No. 60,234
Term of patent 14 years



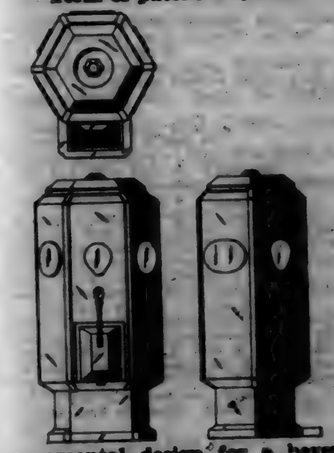
The ornamental design for an elastic fabric as shown and described.

98,484
DESIGN FOR A COMBINED DRESSER CABINET AND BUREAU OR THE LIKE
Irving H. Stern, Boston, Mass.
Application February 21, 1935, Serial No. 55,546
Term of patent 7 years



The ornamental design for a combined dresser cabinet and bureau or the like as shown and described.

98,485
DESIGN FOR A BEVERAGE DISPENSING DEVICE
John M. Travis, St. Louis, Mo.
Application October 31, 1935, Serial No. 59,144
Term of patent 14 years



The ornamental design for a beverage dispensing device as shown.

98,486
DESIGN FOR A COMBINED BOTTLE CAP AND OPENER
Martin E. Trollen, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application March 22, 1935, Serial No. 56,062
Term of patent 3½ years



The ornamental design for a combined bottle cap and opener as shown.

98,487
DESIGN FOR LACE
James Waterfield, Philadelphia, Pa., assignor to Louis A. Silk & Company, Inc., New York, N. Y.
Application January 4, 1936, Serial No. 60,410
Term of patent 3½ years



The ornamental design for lace substantially as shown and described.

98,488
DESIGN FOR A VANITY CASE
Albert Wewetzer, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois
Application April 22, 1935, Serial No. 56,490
Term of patent 7 years



The ornamental design for a vanity case, as shown.



LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Compound having heart stimulant and diuretic action. Serial No. 371,667; Feb. 4. Class 6.

Ace Hardware Corporation, doing business as Ace Stores, Chicago, Ill. Aluminum bronze paint, gold bronze powder, bronzing liquid, etc. Serial No. 364,633; Feb. 4. Class 16.

Alsatian Cheese Company, Boston, Mass. Cheese. Serial No. 372,191; Feb. 4. Class 46.

American Fruit Product Co., Inc., New York, N. Y. Cider. Serial No. 371,293; Feb. 4. Class 45.

Andrews, Albert J., Glendale, Calif. Cheese spreads. Serial No. 367,427; Feb. 4. Class 46.

Animal Foods Company, doing business as Teddy Boy Products Co., San Jose, Calif. Canned foods for dogs, cats, foxes, etc. Serial No. 372,583; Feb. 4. Class 46.

Arrow Distilleries, Inc., Detroit, Mich. Liquor. Serial No. 372,817; Feb. 4. Class 49.

Atlas Powder Company, Wilmington, Del. Explosives. Serial No. 372,948; Feb. 4. Class 9.

Bailey Meter Company, Cleveland, Ohio. Meters and control devices and charts and accessories for use therewith. Serial No. 366,862; Feb. 4. Class 28.

Banwer Manufacturing Company, Inc., New York, N. Y. Handbags. Serial No. 371,763; Feb. 4. Class 3.

Beck, A. S., Shoe Corporation, New York, N. Y. Men's boots, shoes, and slippers. Serial No. 371,582; Feb. 4. Class 39.

Beir, Arthur, & Co., Inc., New York, N. Y. Piece goods of rayon and spun rayon mixture. Serial No. 372,395; Feb. 4. Class 42.

Beir, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. Serial Nos. 371,396–7; Feb. 4. Class 42.

Beir, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. Serial No. 372,594; Feb. 4. Class 42.

Belle Knitting Corporation, Sayre, Pa. Underwear. Serial No. 370,290; Feb. 4. Class 39.

Bercut-Richards Packing Company, Sacramento, Calif. Canned fruits, canned vegetables, tomato catsup. Serial No. 369,151; Feb. 4. Class 46.

Betner, Benj C., Co., Devon, Pa. Paper bags or containers. Serial No. 372,594; Feb. 4. Class 2.

Blackett-Sample-Hummert, Inc., Chicago, Ill. Publication. Serial No. 362,173; Feb. 4. Class 38.

Blair Corset Company, Inc., Chicago, Ill. Men's abdominal belts. Serial No. 371,967; Feb. 4. Class 44.

Bloomingdale Bros., Inc., New York, N. Y. Hats. Serial No. 371,848; Feb. 4. Class 36.

Boeye, Paul F., doing business as Nip N' Tuck Game Co., St. Paul, Minn. Table games simulating hockey. Serial No. 372,067; Feb. 4. Class 22.

Brooklyn Daily Eagle, Brooklyn, N. Y. Feature in its newspaper "Brooklyn Daily Eagle". Serial No. 372,266; Feb. 4. Class 38.

Buscarlet Glove Company Inc., New York, N. Y. Leather gloves. Serial No. 372,350; Feb. 4. Class 39.

Cuba Manufacturing Company. (See Ergang, Lena.)

California Packing Corporation, San Francisco, Calif. Fish oil. Serial No. 371,597; Feb. 4. Class 6.

Carter Medicine Company, New York, N. Y. Liver pills. Serial No. 371,890; Feb. 4. Class 6.

Chicago Food Products Co., Chicago, Ill. Canned corned beef hash. Serial No. 372,163; Feb. 4. Class 46.

Clear Weave Hosiery Shops, Inc., Boston, Mass. Women's and girls' underwear, hosiery, dresses, etc. Serial No. 370,083; Feb. 4. Class 39.

Coleman & Bell Company, The, Norwood, Ohio. Wood stain. Serial No. 369,441; Feb. 4. Class 6.

Comfort Manufacturing Company, doing business as Craig-Martin, Chicago, Ill. Astringents, astringent creams, bleach creams, etc. Serial No. 371,723; Feb. 4. Class 6.

Condor Products, Inc., Buffalo, N. Y. Gaiters, suspenders, and belts. Serial No. 371,404; Feb. 4. Class 39.

Cone Export and Commission Company, New York, N. Y. Textile fabrics. Serial No. 371,780; Feb. 4. Class 42.

Consolidated Razor Blade Co., Inc., Jersey City, N. J. Razor blades. Serial No. 372,591; Feb. 4. Class 28.

Continental Paper & Bag Corporation, New York, N. Y. Paper bags. Serial No. 372,073; Feb. 4. Class 2.

Continental Pure Products Co. (See Polofsky, Jacob S.)

Cook, Watkins & Pyatt, Inc., Boston, Mass. Granite monuments. Serial No. 372,247; Feb. 4. Class 50.

Cornes, George A., Portland, Oreg. Preparation for use as scalp treatment and invigorator. Serial No. 367,224; Feb. 4. Class 6.

Craig-Martin. (See Comfort Manufacturing Company.)

D & B Products Corporation, Jersey City, N. J. Beer and ale. Serial No. 372,537; Feb. 4. Class 49.

D & B Products Corporation, Jersey City, N. Y. Whiskey, gin, brandy, etc. Serial Nos. 372,921–3; Feb. 4. Class 49.

D. H. O. Manufacturing Company. (See Williamson, Clarence C.)

Daniels, Robert, doing business as The Marvel Company, New York, N. Y. Laxative preparation. Serial No. 372,659; Feb. 4. Class 6.

Delaware Floor Products, Inc., Wilmington, Del. Composition floor coverings. Serial No. 372,963; Feb. 4. Class 20.

Delaware Floor Products, Inc., Wilmington, Del. Composition floor coverings. Serial No. 372,965; Feb. 4. Class 20.

Delaware Floor Products, Inc., Wilmington, Del. Composition floor covering. Serial No. 373,023; Feb. 4. Class 20.

Denunzio, Jos., Fruit Co., Inc., Louisville, Ky. Fresh berries, fresh grapes, fresh deciduous fruits, etc. Serial No. 369,565; Feb. 4. Class 46.

Deutschmann, Tobe, Company, Canton, Mass. Parts of radio sets. Serial No. 585,713; Feb. 4. Class 21.

Dixie Deb Cosmetics, Inc., doing business as Lady Orchid Cosmetics, Harrison, N. J. Cosmetics. Serial No. 372,315; Feb. 4. Class 6.

Donnybrook Coat Co., Inc., New York, N. Y. Ladies' coats. Serial No. 372,166; Feb. 4. Class 39.

Draper Hat Corporation, New York, N. Y. Ladies' hats. Serial No. 372,316; Feb. 4. Class 39.

Dreyfuss, Max, New York, N. Y. Rugs. Serial Nos. 372,401–3; Feb. 4. Class 49.

Du Chaine Laboratories. (See Schunk, Fleetwood E.)

Dutchess Underwear Corporation, New York, N. Y. Ladies' rayon underwear, pajamas, nightgowns, etc. Serial No. 368,109; Feb. 4. Class 39.

Dutchess Underwear Corporation, New York, N. Y. Ladies' rayon underwear, pajamas, night gowns, etc. Serial No. 370,654; Feb. 4. Class 39.

Duvelope Corporation, New York, N. Y. Envelopes. Serial No. 371,965; Feb. 4. Class 37.

Eastman Kodak Company, Rochester, N. Y. Lacquer-like leather dressing. Serial No. 371,629; Feb. 4. Class 6.

Ellis Coat Co. Inc., New York, N. Y. Coats, suits, and dresses. Serial No. 371,760; Feb. 4. Class 39.

Esseco Derrick & Equipment Company, Los Angeles, Calif. Bulldozer, road rippers, and scrapers. Serial No. 369,345; Feb. 4. Class 23.

Espang, Leon, doing business as Cuba Manufacturing Company, Philadelphia, Pa. Liquid preparation for the destruction of insects. Serial No. 372,007; Feb. 4. Class 6.

Everett & Barron Company, Providence, R. I. Leather dressing. Serial No. 372,550; Feb. 4. Class 4.

Farbadd Manufacturing Co., Long Island City, N. Y. Liquid shoe cleaner. Serial No. 360,220; Feb. 4. Class 4.

Fear, Fred, & Co., Brooklyn, N. Y. Fruit syrups for food purposes. Serial No. 369,949; Feb. 4. Class 46.

Fey, A. W., Hazleton, Pa. Canned vegetables. Serial No. 367,787; Feb. 4. Class 46.

Filice & Perrelli Canning Company, Inc., Richmond, Calif. Preparation made from various fruits, berries, and vegetables to be used in making salads, and various forms of desserts. Serial No. 372,537; Feb. 4. Class 45.

Fisk Rubber Corporation, The, Chicopee Falls, Mass. Vehicle tires. Serial No. 372,410; Feb. 4. Class 35.

Footoria Pressed Steel Corporation, The, Footoria, Ohio. Guards, brackets, assembly means therefor, and parts thereof. Serial No. 371,661; Feb. 4. Class 28.

Freeland, Arthur L., Dunkirk, N. Y. Honey. Serial No. 370,804; Feb. 4. Class 46.

Friedrich, John, Philadelphia, Pa. Whiskey. Serial No. 370,095; Feb. 4. Class 49.

Frisoli, Domenico, doing business as Scientific Model Airplane Co., Newark, N. J. Toys. Serial No. 372,277; Feb. 4. Class 22.

Furcak, Michael, Yonkers, N. Y. Medicine. Serial No. 370,040; Feb. 4. Class 6.

Geneva Milling Company, Geneva, N. Y. Patent wheat flour. Serial No. 372,163; Feb. 4. Class 46.

Glaser Beverages, Inc., Seattle, Wash. Maltless beverages, and syrups, extracts, and flavors used in making. Serial No. 372,029; Feb. 4. Class 45.

Glen, George F., Southend-on-Sea, England. Preparation in powder form for making a food beverage. Serial No. 367,077; Feb. 4. Class 46.

Globe Bottling Co. (See Kanner, Abe.)

Goodall Worsted Co., Sanford, Maine. Wearing apparel. Serial No. 371,518; Feb. 4. Class 39.

Green Forest Kennedy Co. (See Morgan, William C.)

Guardite Corporation, The, Chicago, Ill. Processing units for fumigating organic products and parts of such units. Serial No. 370,302; Feb. 4. Class 23.

Hardware Distributing Co., Seattle, Wash. Saws, saw handles, steel squals, etc. Serial No. 372,414; Feb. 4. Class 28.

Hat Corporation of America, Norwalk, Conn. Hats for men. Serial No. 372,100; Feb. 4. Class 39.

Hearn Dept. Stores, Inc., New York, N. Y. Women's and misses' dresses, coats, hats, etc. Serial No. 366,561; Feb. 4. Class 39.

Hermanos, Rossello, Ponce, P. R., and New York, N. Y. Linen suits, tropical worsted suits, topcoats, etc. Serial No. 370,537; Feb. 4. Class 39.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Hewit-Gates Company, Corpus Christi, Tex. Paints for concrete, stucco, brick, or stone. Serial No. 372,515; Feb. 4. Class 16.

Hotstream Heater Company, The, Cleveland, Ohio. Water heaters. Serial No. 371,863; Feb. 4. Class 34.

Houbigant, Inc., New York, N. Y. Perfumes, cau vegetal, toilet water, etc. Serial No. 370,253; Feb. 4. Class 6.

Houbigant, Inc., New York, N. Y. Soaps and shaving cream. Serial No. 370,310; Feb. 4. Class 4.

House of Walmar, Chicago, Ill. Toilet water, colognes, hair lotions, etc. Serial No. 369,487; Feb. 4. Class 6.

Hyde Park Breweries Association, Inc., St. Louis, Mo. Beer. Serial No. 372,914; Feb. 4. Class 48.

International Fibro Soap Company, Houston, Tex. Fibrous wash cloths or wash pads. Serial No. 365,253; Feb. 4. Class 29.

International Shoe Co., St. Louis, Mo. Boots and shoes. Serial No. 371,312; Feb. 4. Class 39.

Jackson, R. A., doing business as Us-It Distributors, Washington, D. C. Antiseptic and prophylactic preparations. Serial No. 372,420; Feb. 4. Class 6.

Janvy, Inc., Brooklyn, N. Y. Cleaners and soaps. Serial No. 350,624; Feb. 4. Class 4.

Johnston & Murphy, Newark, N. J. Leather shoes. Serial No. 371,871; Feb. 4. Class 39.

Kanner, Abe, doing business as Globe Bottling Co., Los Angeles, Calif. Whiskey. Serial No. 368,072; Feb. 4. Class 49.

Kellogg Company, Battle Creek, Mich. Corn confection. Serial No. 371,595; Feb. 4. Class 46.

Kelly Liquor Company, Minneapolis, Minn. Whiskey. Serial No. 373,014; Feb. 4. Class 49.

Klein, L., Inc., Chicago, Ill. Gloss starch. Serial No. 372,104; Feb. 4. Class 6.

Kress, S. H., and Company, New York, N. Y. Paper towels, toilet paper, shelf paper, etc. Serial No. 371,872; Feb. 4. Class 37.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Newspaper article. Serial No. 362,476; Feb. 4. Class 38.

Lady Orchid Cosmetics. (See Dixie Deb Cosmetics, Inc.)

Lakeland Groves Company, Lakeland, Fla. Citrus fruit. Serial No. 372,421; Feb. 4. Class 46.

La Yebana Company, Inc., Manila, P. I. Cigarettes. Serial No. 372,020; Feb. 4. Class 17.

Leef Bros. Inc., Minneapolis, Minn. Chemically treated textile pad for removing frost, sleet, etc., from automobile windshields and windows. Serial No. 371,644; Feb. 4. Class 4.

Lentheric, Incorporated, New York, N. Y. Perfume and cosmetic dispensers. Serial No. 371,219; Feb. 4. Class 2.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet water, talcum, dusting, and sachet powders, etc. Serial No. 371,220; Feb. 4. Class 6.

Lerner Stores Corporation, New York, N. Y. Ladies' hosiery. Serial No. 372,174; Feb. 4. Class 39.

Les Parfums de Molyneux, Inc., New York, N. Y. Perfume, toilet water, bath salts, etc. Serial No. 372,135; Feb. 4. Class 6.

Lewis, Harry R., & Co., Inc., Providence, R. I. Cleansing preparation for general usage. Serial No. 370,312; Feb. 4. Class 4.

Liberty Mills, San Antonio, Tex. Wheat flour. Serial No. 370,259; Feb. 4. Class 46.

Liquid Carbonic Corporation, The, Chicago, Ill. Various syrups for food purposes. Serial No. 363,978; Feb. 4. Class 46.

Liquid Carbonic Corporation, The, Chicago, Ill. Maltless flavors for making soft drinks. Serial No. 372,004; Feb. 4. Class 45.

Little Crow Milling Company, Inc., Warsaw, Ind. Pancake flour, buckwheat compound, corn meal compound, etc. Serial No. 370,111; Feb. 4. Class 46.

Louden, Mabel M., doing business as Madelon Louden Company, Los Angeles, Calif. Bust pads. Serial No. 369,861; Feb. 4. Class 40.

Lucas, John, & Company, Inc., Philadelphia, Pa. Paint, varnishes, lacquers, etc. Serial No. 372,124; Feb. 4. Class 16.

Maiden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. Serial No. 372,060; Feb. 4. Class 39.

Marcus, Louis, Corporation, Baltimore, Md. Ladies' coats. Serial No. 372,373; Feb. 4. Class 39.

Marvel Company, The. (See Daniels, Robert.)

Maryland Distillery, Inc., Relay, Md. Whiskey. Serial No. 372,970; Feb. 4. Class 49.

Morgan, William C., doing business as Green Forest Remedy Co., North Bend, Oreg. Preparation for use as a blood purifier and for rheumatism. Serial No. 367,250; Feb. 4. Class 6.

Muir, Alexander, & Company, Ltd., Wilmington, Del. Whiskey. Serial No. 372,690; Feb. 4. Class 49.

National Fruit Flavor Co., Inc., New Orleans, La. Maltless beverage and syrup for same. Serial No. 372,284; Feb. 4. Class 45.

Nehi, Inc., Columbus, Ga. Maltless beverages and syrups and extracts for making the same. Serial No. 372,985; Feb. 4. Class 45.

Nelkin, Walter, doing business as Frances-Walter Nelkin Co., New York, N. Y. Hats. Serial No. 372,524; Feb. 4. Class 39.

New Haven Vibrator Company, Inc., The, New Haven, Conn. Pneumatic tools. Serial No. 371,928; Feb. 4. Class 23.

Nip N' Tuck Game Co. (See Boaye, Paul F.)

O'Connor, Daniel, doing business as Our King Remedies, Detroit, Mich. Tonic in table form. Serial No. 371,318; Feb. 4. Class 6.

Ostrueon Distilled Products Co., Inc., New York, N. Y. Rum. Serial No. 372,143; Feb. 4. Class 49.

Our King Remedies. (See O'Connor, Daniel.)

Paramount Distilling Corporation, Chicago, Ill. Whiskey and rum. Serial No. 372,758; Feb. 4. Class 49.

Park Laboratory Company, Inc., San Antonio, Tex. Preparation used in treatment of eye irritation or inflammation. Serial No. 372,787; Feb. 4. Class 6.

Patricia Petticoat Co., Inc., The, New York, N. Y. Ladies' half-size underwear slips. Serial No. 371,907; Feb. 4. Class 39.

Peck, Stow & Wilcox Company, The, Southington, Conn. Locks, latches, catches, etc. Serial No. 372,738; Feb. 4. Class 23.

Pilgrim Watch Co., New York, N. Y. Watches. Serial No. 372,285; Feb. 4. Class 27.

Pohatcong Hosiery Mills, Inc., Washington, N. J. Hosiery. Serial No. 369,090; Feb. 4. Class 39.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. Serial No. 372,920; Feb. 4. Class 49.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. Serial No. 372,922; Feb. 4. Class 49.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. Serial Nos. 372,924–5; Feb. 4. Class 49.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. Serial Nos. 372,927–8; Feb. 4. Class 49.

Rath Packing Company, The, Waterloo, Iowa. Lard. Serial No. 365,057; Feb. 4. Class 46.

Records & Goldsborough, Inc., Baltimore, Md. Whiskey. Serial No. 368,480; Feb. 4. Class 49.

Redlands Foothill Groves, Redlands, Calif. Fresh citrus fruits. Serial No. 372,486; Feb. 4. Class 46.

Richards Chemical Works, The, Jersey City, N. J. Chemical substance. Serial Nos. 372,144–6; Feb. 4. Class 6.

Riegel Paper Corporation, Riegelsville, N. J., and New York, N. Y. Decorated paper. Serial No. 371,934; Feb. 4. Class 37.

Riverbank Canning Company, Riverbank, Calif. Canned fruits, canned vegetables, canned tomato paste. Serial No. 372,182; Feb. 4. Class 46.

Rose Manufacturing Company. (See Rosenbluth, Edwin M.)

Rosenbluth, Edwin M., doing business as Rose Manufacturing Company, Philadelphia, Pa. Fungicides, insecticides, and disinfectants for plants, seeds, etc. Serial No. 372,256; Feb. 4. Class 6.

St. George Textile Corp., New York, N. Y. Rayon and cotton piece goods. Serial No. 372,184; Feb. 4. Class 42.

Saticoy Lemon Assn., Saticoy, Calif. Fresh citrus fruit. Serial No. 372,490; Feb. 4. Class 46.

Schunk, Fleetwood E., doing business as du Cusino Laboratories, Menominee Falls, Wis. Brushless shaving cream. Serial No. 370,124; Feb. 4. Class 4.

Scientific Model Airplane Co. (See Frisoli, Domenico.)

Security Mills, Inc., New York, N. Y. Woolen, mohair, etc., fabrics. Serial Nos. 368,500–1; Feb. 4. Class 42.

Seneca Knitting Mills, Inc., Seneca Falls, N. Y. Men's and boys' socks or half hose. Serial No. 370,217; Feb. 4. Class 39.

Shane, C. B., Corporation, Chicago, Ill. Men's overcoats and top coats. Serial No. 371,890; Feb. 4. Class 39.

Sherwin-Williams Co., The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. Serial No. 373,052; Feb. 4; Class 16.

Societe Anonyme les Fils de P. Bardinet, Cauderan, near Bordeaux, France. Peach, cherry, blackberry, etc., liqueur. Serial No. 372,610; Feb. 4. Class 49.

Societe Anonyme les fils de P. Bardinet, Cauderan, near Bordeaux, France. Creme de menthe—white and green. Serial No. 372,611; Feb. 4. Class 49.

Sperry Flour Company, San Francisco, Calif. Animal feed, particularly sheep feed. Serial No. 369,505; Feb. 4. Class 46.

Sperry Flour Company, San Francisco, Calif. Milled grain products, particularly poultry feed. Serial No. 371,382; Feb. 4. Class 46.

Spiegel, May, Stern Company, Incorporated, The, Chicago, Ill. Pneumatic vehicle tires and inner tubes therefor. Serial No. 372,380; Feb. 4. Class 35.

Squibb, E. R., & Sons, New York, N. Y. Hormonal preparations. Serial Nos. 371,712–13; Feb. 4. Class 6.

Star Canning Co. (See Yamamoto, Kay.)

Star Hosiery Mills, Inc., Philadelphia, Pa. Hosiery. Serial No. 372,341; Feb. 4. Class 39.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Stein, Doblin & Co., Inc., New York, N. Y. Lace piece goods. Serial No. 372,440; Feb. 4. Class 42.

Sterilek Company Inc., The, Brooklyn, N. Y. Facial tissue. Serial No. 372,087; Feb. 4. Class 54.

Stewart-Warner Corporation, Chicago, Ill. Radio receiving sets. Serial No. 366,177; Feb. 4. Class 21.

Stone-Tarlow Co., Inc., Brockton, Mass. Leather shoes. Serial No. 366,074; Feb. 4. Class 39.

Strouse-Baer Company, The, Baltimore, Md. Boys' suits, shirts, pants, etc. Serial No. 370,682; Feb. 4. Class 39.

Sunripe Liquor Products Co., San Francisco, Calif. Cordials, cocktails, brandy, etc. Serial No. 373,364; Feb. 4. Class 49.

Swafford, Peter J., Tulsa, Okla. Empty edible pastry cones for hot tamales. Serial No. 371,595; Feb. 4. Class 46.

Teddy Boy Products Co. (See Animal Foods Company.)

Tennessee Furniture Corporation, Chattanooga, Tenn. Refrigerators. Serial No. 372,574; Feb. 4. Class 51.

Thixton, Harry R., Henderson, Ky. Whiskey. Serial No. 372,645; Feb. 4. Class 49.

Tree-Gold Cooperative Growers of Florida, Orlando, Fla. Fresh citrus fruits. Serial No. 371,239; Feb. 4. Class 46.

Turner, Lee W., Los Angeles, Calif. College treasure chests. Serial No. 371,249; Feb. 4. Class 32.

United Buyers Corporation, Chicago, Ill. Wheat flour. Serial No. 371,943; Feb. 4. Class 46.

United States Graphite Co., The, Saginaw, Mich. Natural amorphous graphite. Serial No. 371,990; Feb. 4. Class 1.

Us-It Distributors. (See Jackson, R. A.)

Vegetable Oil Products Company, Inc., Los Angeles, Calif. Paint oil. Serial No. 367,951; Feb. 4. Class 16.

Vimay-Chany, Inc., Culver City, Calif. Perfume, face powder, face creams, etc. Serial No. 371,835; Feb. 4. Class 6.

Weinbrenner, George, doing business as B. C. Wills & Company, Detroit, Mich. Dice. Serial No. 367,219; Feb. 4. Class 22.

White, Eugene O., Rochester, N. Y. Post mortem cosmetic in liquid form. Serial No. 370,685; Feb. 4. Class 6.

Wilkerson, Clarence C., doing business as D. H. O. Manufacturing Company, Oklahoma City, Okla. Herb blend. Serial No. 370,070; Feb. 4. Class 6.

Wills, B. C., & Company. (See Weinbrenner, George.)

Wippell, J., & Company, Limited, London, England. Raincoats, waterproof coats, and overcoats. Serial No. 372,035; Feb. 4. Class 39.

Wise, Earl V., doing business as Wise Delicatessen Company, Berwick, Pa. Potato chips. Serial No. 370,534; Feb. 4. Class 46.

Wright, Corbyn G., Monte Vista, Colo. Potatoes. Serial No. 370,402; Feb. 4. Class 46.

Yamamoto, Kay, doing business as Star Canning Co., Tacoma, Wash. Canned fish. Serial No. 364,907; Feb. 4. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Electric & Manufacturing Company, The, Cleveland, Ohio. High leakage reactance transformers. 332,171; Feb. 4; Serial No. 364,164; published Nov. 26, 1935. Class 21.

Aeolian American Corporation. (See American Piano Company, assignor.)

Albion Manufacturing Co., Philadelphia, Pa. Caulking, glazing, and grease guns. 332,130; Feb. 4; Serial No. 369,392; published Nov. 26, 1935. Class 23.

American Anode Inc., Akron, Ohio. Cathetors. 332,131; Feb. 4; Serial No. 369,074; published Nov. 26, 1935. Class 44.

American Chemical Paint Company, Ambler, Pa. Paints, varnishes, and lacquers. 332,200; Feb. 4; Serial No. 357,888; published Nov. 26, 1935. Class 16.

American Distributors, Inc., Baltimore, Md. Whiskey, gin, and rum. 332,201; Feb. 4; Serial No. 369,691; published Nov. 26, 1935. Class 49.

American Fruit Product Co., Inc., New York, N. Y. Cider. 332,277; Feb. 4. Class 45.

American Institute of Public Opinion, Princeton, N. J. Newspaper editorial features. 332,241–3; Feb. 4; Serial Nos. 370,088–9; published Nov. 19, 1935. Class 38.

American Newspapers, Inc. (See Georgian Company, The, assignor.)

American Physician, Inc., The, New York, N. Y. Section or department of a periodical. 332,100; Feb. 4; Serial No. 369,949; published Nov. 19, 1935. Class 38.

American Piano Company, assignor to Aeolian American Corporation, New York, N. Y. Pianos. 110,619; renewed June 6, 1936.

American Swiss Company, The, Toledo, Ohio. Vehicle door latches. 332,280; Feb. 4. Class 23.

Andrews, P. W., doing business as Autograph Company, New York, N. Y. Electro-mechanical instrument for measuring human hearing facilities. 332,158; Feb. 4; Serial No. 368,767; published Nov. 26, 1935. Class 26.

Ansbacher Insecticide Co., Inc., New York, N. Y., by change of name to Ansbacher-Siegle Corporation, Brooklyn, N. Y. Insecticides. 106,357; renewed Feb. 1, 1936.

Arcadia Hosiery Co., Lansdale, Pa. Yarn carriers for knitting machines. 332,181; Feb. 4; Serial No. 370,168; published Nov. 26, 1935. Class 23.

Associated Merchandising Co., Los Angeles, Calif. Automobile accessories. 332,218; Feb. 4; Serial No. 368,768; published Nov. 26, 1935. Class 19.

Atlas Supply Company, Newark, N. J. Battery testers, electric light bulb testers, volt meters and ammeters. 332,120; Feb. 4; Serial No. 369,075; published Nov. 26, 1935. Class 26.

Atlas Supply Company, Newark, N. J. Automobile hot air and water heaters. 332,243; Feb. 4; Serial No. 370,038; published Nov. 26, 1935. Class 19.

Autograph Company. (See Andrews, P. W.)

Balon' Hosiery Agency. (See Moore, James O.)

Bard-Parker Company Inc., Danbury, Conn. Surgical knives and detachable blades for surgical knives. 332,153; Feb. 4; Serial No. 368,806; published Nov. 26, 1935. Class 44.

Barrett Manufacturing Company, assignor to The Barrett Company, New York, N. Y. Papers, felts, and composite fabrics for roofing, etc. 107,366–7; renewed Jan. 4, 1936.

Barrett Manufacturing Company, assignor to The Barrett Company, New York, N. Y. Prepared roofing. 106,381; renewed Feb. 8, 1936.

Barrett Manufacturing Company, (now by change of name The Barrett Company), assignor to The Barrett Company, New York, N. Y. Tarred felt. 110,162; renewed May 9, 1936.

Bates Shoe Company, Webster, Mass. Shoes. 332,263; Feb. 4. Class 39.

Bayuk Cigars Incorporated, Philadelphia, Pa. Tobacco products. 332,175; Feb. 4; Serial No. 367,989; published Nov. 12, 1935. Class 17.

Berlin Mills Company, Portland, Maine, by change of name to Brown Company, Portland, Maine, and Berlin, N. H. Wrapping-paper. 110,720–1; renewed June 13, 1936.

Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweepers. 332,077; Feb. 4; Serial No. 322,121; published Nov. 26, 1935. Class 23.

Blaisdell Pencil Company, Philadelphia, Pa. Lead pencils. 332,116; Feb. 4; Serial No. 369,179; published Nov. 26, 1935. Class 37.

Bloomingdale Bros., Inc., New York, N. Y. Tables and chairs. 332,114; Feb. 4; Serial No. 369,216; published Nov. 26, 1935. Class 32.

Booth's Distillery, Limited, by change of name to Booth's Distilleries, Limited, London, England. Straight Old Tom Gin. 106,771; renewed Feb. 29, 1936.

Bourjois, A., & Co., Inc., assignor to Bourjois, Inc., New York, N. Y. Face-powder. 110,632; renewed June 6, 1936.

Bradford Dyers' Association, Limited, Bradford, England. Cloths and stuffs of wool, worsted, or hair. 107,897; renewed Jan. 4, 1936.

Braun, Geo. P., Company, Chicago, Ill. Oleomargarin. 107,660; renewed Dec. 14, 1935.

Breyer, Joseph, doing business as Ostrex Company, New York, N. Y. General health tonic in tablet form. 332,107; Feb. 4; Serial No. 351,634; published Aug. 7, 1934. Class 6.

Bronx Mineral Water Co., Inc., New York, N. Y. Maltless beverages, and syrups and flavors for same. 332,227; Feb. 4; Serial No. 370,597; published Nov. 26, 1935. Class 45.

Brown Company. (See Berlin Mills Company.)

Brunswick-Ba'ke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Billiard cloth. 332,246–8; Feb. 4; Serial Nos. 369,324–6; published Nov. 26, 1935. Class 42.

Bruton Brewing Company, The, Baltimore, Md. Beer, ale, stout, etc. 332,132; Feb. 4; Serial No. 370,755; published Nov. 26, 1935. Class 48.

Cabell & Cabell, Micco, Fla., to Cabell & Cabell, Charleston, W. Va. Citrus fruit. 110,903; renewed June 13, 1936.

Call Publishing Company, The, San Francisco, Calif. Series of articles or writings. 332,235; Feb. 4; Serial No. 369,428; published Nov. 26, 1935. Class 38.

Canadian Mill & Elevator Company, El Reno, Okla. Wheat flour. 332,249; Feb. 4; Serial No. 369,837; published Nov. 26, 1935. Class 46.

Case Electric Corporation, Marion, Ind. Radio dials. 332,124; Feb. 4; Serial No. 368,919; published Nov. 26, 1935. Class 21.

Celanese Corporation of America, New York, N. Y. Piece goods. 332,262; Feb. 4. Class 42.

Celanese Corporation of America, New York, N. Y. Piece goods. 332,264; Feb. 4. Class 42.
Celluloid Corporation, Newark, N. J. Cellulosic materials in the form of sheets, films, or foils. 332,205; Feb. 4; Serial No. 369,732; published Nov. 26, 1935. Class 1.
Champion Animal Food Company, St. Paul, Minn., assignor to Champion Animal Food Company, Minneapolis, Minn. Dog-biscuits. 107,878; renewed Jan. 4, 1936.
Champion Fibre Company, The, Hamilton, Ohio, to The Champion Fibre Company, Canton, N. C. Tanning extracts. 111,006; renewed June 20, 1936.
Chicago Mill and Lumber Company, assignor to Chicago Mill and Lumber Company, Chicago, Ill. Boxes and crates and chicken-coops. 107,904; renewed Jan. 4, 1936.
Cleveland Welding Company, The, Cleveland, Ohio. Bicycles. 332,192; Feb. 4; Serial No. 370,374; published Nov. 26, 1935. Class 19.
Club Razor & Blade Mfg. Corp., Newark, N. J. Razor blades. 332,182; Feb. 4; Serial No. 370,173; published Nov. 26, 1935. Class 28.
Coeur d'Alene Hardware & Foundry Co., Wallace, Idaho. Ore cars, pumps, hoists, etc. 332,196; Feb. 4; Serial No. 369,601; published Nov. 26, 1935. Class 23.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 332,145; Feb. 4; Serial No. 368,125; published Nov. 20, 1935. Class 4.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Soaps, soap chips, soap powder, etc. 332,151; Feb. 4; Serial No. 368,561; published Nov. 26, 1935. Class 4.
Collins & Aikman Corporation, Philadelphia, Pa., and New York, N. Y. Pile fabrics. 332,229; Feb. 4; Serial No. 370,459; published Nov. 19, 1935. Class 42.
Collins & Aikman Corporation, Philadelphia, Pa., and New York, N. Y. Pile fabrics. 332,232; Feb. 4; Serial No. 370,460; published Nov. 19, 1935. Class 42.
Consolidated Wire and Associated Corporations, Chicago, Ill. Interference eliminators for radio receivers. 332,177–8; Feb. 4; Serial Nos. 370,090–1; published Nov. 26, 1935.
Continental Mills, Inc., Philadelphia, Pa. Woolen and cotton piece goods. 332,148; Feb. 4; Serial No. 368,390; published Nov. 19, 1935. Class 42.
Continental Pure Products Co. (See Polefsky, Jacob S.)
Crawford Manufacturing Co., Inc., Richmond, Va. Hassocks, cushions, and pillows. 332,140; Feb. 4; Serial No. 369,399; published Nov. 26, 1935. Class 32.
Crown Fabrics Corporation, New York, N. Y. Fabrics of linen, cotton, etc. Fabrics of linen, cotton, etc. 332,113; Feb. 4; Serial No. 369,219; published Nov. 19, 1935. Class 42.
Crown Mills. (See Jobes Milling Co., The.)
Daniels, Constantine A., doing business as Hi-Ho Novelty Sales Company, Grand Rapids, Mich. Toy lariats. 332,207; Feb. 4; Serial No. 357,591; published Nov. 26, 1935. Class 22.
Delta Manufacturing Company, Milwaukee, Wis. Woodworking machines and parts or accessories thereof. 332,179; Feb. 4; Serial No. 370,093; published Nov. 26, 1935. Class 23.
Deute, Arthur H., doing business as Sidney Snow, New York, N. Y. Articles or columns published serially in newspapers and periodicals. 332,202; Feb. 4; Serial No. 369,689; published Nov. 19, 1935. Class 38.
Distillers Brands, Inc., Cincinnati, Ohio. Whiskey. 332,127; Feb. 4; Serial No. 370,988; published Dec. 3, 1935. Class 49.
Distillers Distributing Corporation, San Francisco, Calif. Gin. 332,073; Feb. 4; Serial No. 364,950; published July 2, 1935. Class 49.
Dresner, S., & Son, Inc., Chicago, Ill. Hand luggage. 332,233; Feb. 4; Serial No. 370,441; published Nov. 26, 1935. Class 3.
Du Paul Central Optical Company, Inc., Southbridge, Mass. Eyeglasses, goggles, spectacles, etc. 332,110; Feb. 4; Serial No. 369,223; published Nov. 26, 1935. Class 26.
Durst Manufacturing Company, Inc., The, New York, N. Y. Piece goods treated by a special process to render the same water repellant or waterproof. 332,161; Feb. 4; Serial No. 361,259; published Nov. 26, 1935. Class 50.
Eclipse-Needles Company, Philadelphia, Pa. Men's collars and shirts. 332,266–7; Feb. 4. Class 39.
Eichler, John, Brewing Company, New York, N. Y. Beer. 110,885; renewed June 18, 1936.
Eidinger, Robert, doing business as Meer Made Products, Chicago, Ill. Shower curtains. 332,271; Feb. 4. Class 42.
Eisenlohr, Webster, Inc. (See Mi Favorita Cigar Co., Inc., assignor.)
Embury Manufacturing Co., Warsaw, N. Y. Oil lanterns. 332,157; Feb. 4; Serial No. 360,766; published Nov. 26, 1935. Class 24.
Emery Food Company. (See Libby, McNeill & Libby, assignor.)
Esquire, Inc., Chicago, Ill. Publication. 332,149; Feb. 4; Serial No. 368,444; published Nov. 26, 1935. Class 38.
Ever Ready Label Corporation, New York, N. Y. Rolls and packages and pads of labels and rolls of gummed tape, etc. 332,216; Feb. 4; Serial No. 368,842; published Nov. 26, 1935. Class 37.
Exolon Company, The, Blasdell, N. Y. Fused aluminous oxide grains used as an abrasive. 332,105; Feb. 4; Serial No. 369,736; published Nov. 26, 1935. Class 4.
Fairbanks, E. and T., and Company, St. Johnsbury, Vt. Weighing machines and parts thereof. 332,176; Feb. 4; Serial No. 370,086; published Nov. 26, 1935. Class 26.
Federal Milling Company, assignor, by mesne assignments, to Federal Mill, Inc., Lockport, N. Y. Wheat-flour. 110,094; renewed May 2, 1936.
Fine Products Corporation, Augusta, Ga. Candy. 332,161; Feb. 4; Serial No. 369,916; published Nov. 26, 1935. Class 46.
Florida Fruit Canners, Inc. (See Massasoit Beverage Co., Inc., assignor.)
Fraser Macdonald Distillery Co. Limited, Glasgow, Scotland. Scotch whisky. 332,181; Feb. 4; Serial No. 370,763; published Dec. 3, 1935. Class 49.
Fraser Macdonald Distillery Co., Limited, Glasgow, Scotland. Scotch whisky. 332,180; Feb. 4; Serial No. 361,085; published Apr. 23, 1935. Class 49.
Friends of the New Germany, New York, N. Y. Newspaper. 332,210; Feb. 4; Serial No. 359,292; published Nov. 19, 1935. Class 38.
Funk & Wagnalls Company, to Funk & Wagnalls Company, New York, N. Y., successor. Dictionary. 106,693; renewed Feb. 22, 1936.
Georgian Company, The, Atlanta, Ga., assignor to American Newspapers, Inc., New York, N. Y. Newspaper. 110,646; renewed June 6, 1936.
Gettler-Montanye, Inc., Baltimore, Md. Calendar cards. 332,099; Feb. 4; Serial No. 369,962; published Nov. 19, 1935. Class 36.
Gilbert, A. C., Company, New Haven, Conn. Outfit for constructing a number of optical instruments. 332,178; Feb. 4; Serial No. 364,477; published Nov. 26, 1935. Class 26.
Ginsberg, L., Inc., Charleston and Columbia, S. C. Whiskey, rum, gin, etc. 332,226; Feb. 4; Serial No. 370,606; published Nov. 26, 1935. Class 49.
Ginsberg, L., Inc., Charleston and Columbia, S. C. Whiskey, rum, gin, etc. 332,130; Feb. 4; Serial No. 370,765; published Nov. 26, 1935. Class 49.
Gleason-Tiebout Glass Company, New York, N. Y. Glass shades, glass globes, and glass reflectors for artificial illumination. 110,788; renewed June 13, 1936.
Goldman Costume Co., New York, N. Y., assignor to Wahnetah Silk Company, Catasauqua, Pa. Silk piece goods. 109,530; renewed Apr. 11, 1936.
Goldsmith, Frank J., assignor, by mesne assignments, to Tecla Corporation, New York, N. Y. Imitation, artificial, etc., pearls, rubies, emeralds, etc. 107,782; renewed Dec. 28, 1935.
Goodman, Joseph, New York N. Y. Sanitary belts. 332,183; Feb. 4; Serial No. 370,178; published Nov. 26, 1935. Class 44.
Gordon, Benjamin, doing business as Peacock Blade Co., New York, N. Y. Razor blades. 332,184; Feb. 4; Serial No. 370,179; published Nov. 26, 1935. Class 28.
Green Bay Engraving Company, Green Bay, Wis. Photo engraved half-tone plates. 332,122; Feb. 4; Serial No. 369,056; published Nov. 26, 1935. Class 50.
Greiner, Emil, Company, The, New York, N. Y. All metal turing and scientific appliances and apparatus for general and laboratory use and parts thereof, etc. 332,197–8; Feb. 4; Serial No. 360,906–9; published Nov. 26, 1935. Class 26.
Gretsch, Fred., Mfg. Co., The, Brooklyn, N. Y. Banjos, guitars, ukuleles, etc. 332,082; Feb. 4; Serial No. 365,196; published Nov. 26, 1935. Class 26.
Gretsch, Fred., Mfg. Co., The, Brooklyn, N. Y. Banjos, guitars, ukuleles, etc. 332,215; Feb. 4; Serial No. 368,949; published Nov. 26, 1935. Class 26.
Hasco Trading Corporation, New York, N. Y. Rum. 332,272; Feb. 4. Class 49.
Hetero Manufacturing Co. (See Morgan, Marcella U.)
Hide and Leather Publishing Co., Chicago, Ill. Periodical. 332,244; Feb. 4; Serial No. 370,049; published Nov. 19, 1935. Class 38.
Hi-Ho Novelty Sales Company. (See Daniels, Constantine A.)
Hirsch, Louis, Textile Machines, Inc., New York, N. Y. Hosiery. 332,274; Feb. 4. Class 39.
Hodgson, Thomas, & Sons, Inc., Concord, N. H. Yarns. 332,278; Feb. 4. Class 42.
Holleb Liquor Distributors, Inc., Chicago, Ill. Whiskey. 332,206; Feb. 4. Class 49.
Hood Rubber Company, Watertown, Mass., assignor to Hood Rubber Company, Inc., Wilmington, Del. Rubber boots and shoes and tennis shoes. 107,756; renewed Dec. 28, 1935.
Hood Rubber Company, Watertown, Mass., assignor to Hood Rubber Company, Inc., Wilmington, Del. Rubber boots and shoes, rubber overshoes, and rubber-soled canvas boots and shoes. 107,758; renewed Dec. 28, 1935.
Hoof-Brak Corporation, Chicago, Ill. Brake material, brake linings, clutch facings. 332,087; Feb. 4; Serial No. 366,415; published Nov. 26, 1935. Class 35.
Howel, Clayton J., Chicago, Ill. Maltless beverages and syrups and extracts for making the same. 332,208; Feb. 4; Serial No. 357,632; published Nov. 26, 1935. Class 45.
Humble Oil & Refining Company, Houston, Tex. Pipe joints. 332,147; Feb. 4; Serial No. 368,574; published Nov. 26, 1935. Class 12.

International Silver Company, Meriden, Conn. Silver-plated flatware. 332,185; Feb. 4; Serial No. 370,184; published Nov. 26, 1935. Class 28.
Iowa Fiber Box Company, Keokuk, Iowa. Corrugated fiberboard. 332,112; Feb. 4; Serial No. 369,220; published Nov. 26, 1935. Class 37.
Jacobs, H. H., Manufacturing Company, Inc., Danielson, Conn. Leg straps. 332,152; Feb. 4; Serial No. 368,571; published Nov. 26, 1935. Class 31.
Jobes Milling Co., The, St. Johns, Oreg., to Crown Mills, Portland, Oreg., successor. Flour and cereals. 107,824; renewed Jan. 4, 1936.
Jorgensen, Jorgen, Dorby, Conn. Hair-tonic. 111,050; renewed June 20, 1936.
Kansas Milling Company, Wichita, Kans. Wheat-flour. 110,749; renewed June 13, 1936.
Keeno Packing Company, Southgate, Calif. Canned dog food. 332,199; Feb. 4; Serial No. 369,613; published Nov. 26, 1935. Class 46.
Klein, L., Inc., Chicago, Ill. Sweet apple cider. 332,231; Feb. 4; Serial No. 370,558; published Nov. 26, 1935. Class 45.
Knapp-Monarch Company, St. Louis, Mo. Electric toasters, electric heaters, electric stoves, etc. 332,136; Feb. 4; Serial No. 369,449; published Nov. 26, 1935. Class 21.
La Grande Distillerie H. Cazenier Fils Aîné & Cie., Société Anonyme, Paris, France. Rum. 332,194; Feb. 4; Serial No. 369,576; published Dec. 3, 1935. Class 49.
Larsen Company, The, Green Bay, Wis. Canned vegetables. 332,096; Feb. 4; Serial No. 369,806; published Nov. 26, 1935. Class 46.
Latrobe Electric Steel Company, Latrobe, Pa. Ferrous metal. 332,224; Feb. 4; Serial No. 369,466; published Nov. 26, 1935. Class 14.
Lawrence Paper Company, Lawrence, Kans. Paper and fibre boxes. 332,097; Feb. 4; Serial No. 369,967; published Nov. 26, 1935. Class 2.
Lea & Perrins, Inc., New York, N. Y. Prepared sauce for soups, fish, gravies, etc. 332,203; Feb. 4; Serial No. 369,703; published Nov. 26, 1935. Class 46.
Leas & McVitty, Inc., Philadelphia, Pa. Sole leather. 332,230; Feb. 4; Serial No. 370,470; published Nov. 26, 1935. Class 3.
Libby, McNeill & Libby, assignor to Emery Food Company, Chicago, Ill. Canned fruits, canned fish, and canned vegetables. 109,011; renewed Mar. 14, 1936.
Lowry Rodgers Co., doing business as Lowry Coffee Co., Philadelphia, Pa. Coffee. 332,246; Feb. 4; Serial No. 370,055; published Nov. 26, 1935. Class 46.
Luminator Inc., Chicago, Ill. Electric floor and table lamps. 332,081; Feb. 4; Serial No. 345,717; published Nov. 26, 1935. Class 21.
Lyle & Kinahan, Limited, Belfast, Ireland. Whiskey. 332,172; Feb. 4; Serial No. 364,186; published Nov. 26, 1935. Class 49.
Lyon, Harry, Grower & Shipper, doing business as Harry Lyon Inc., Yuma, Ariz. Fresh melons. 332,098; Feb. 4; Serial No. 367,797; published Nov. 26, 1935. Class 46.
Maier, Theodore F., St. Louis, Mo. Beer. 332,076; Feb. 4; Serial No. 369,498; published Nov. 26, 1935. Class 48.
Malina Company, Inc., New York, N. Y. Yarn. 332,084; Feb. 4; Serial No. 365,831; published Nov. 19, 1935. Class 43.
Maplewood Specialty Mills. (See Weiner, Jacob.)
Marvin & Snead, Incorporated, New York, N. Y. Whiskey, gin, brandy, etc. 332,126; Feb. 4; Serial No. 370,886; published Dec. 3, 1935. Class 49.
Marvin & Snead, Incorporated, New York, N. Y. Whiskey, gin, brandy, etc. 332,128; Feb. 4; Serial No. 370,884; published Dec. 3, 1935. Class 49.
Maryland Distillers' Products Corporation, Baltimore, Md. Whiskey. 332,211; Feb. 4; Serial No. 360,475; published Feb. 26, 1935. Class 49.
Maryland Distillers Products Corporation, Baltimore, Md. Whiskey. 332,259; Feb. 4. Class 49.
Massasoit Beverage Co., Inc., Springfield, Mass., assignor to Florida Fruit Canners, Inc., Frostproof, Fla. Beverages sold as soft drinks, syrups, and extracts for manufacturing the same. 332,104; Feb. 4; Serial No. 362,969; published Apr. 30, 1935. Class 45.
Masury, John W., & Son, Brooklyn, N. Y. Ready-made paste paints. 111,019; renewed June 20, 1936.
McClenny, Charles, Congress Junction, Ariz. Dried and cut shoots of the desert plant ephedra trifurca. 332,250; Feb. 4; Serial No. 369,869; published Nov. 26, 1935. Class 46.
McCormick, Frank, Inc., Minneapolis, Minn. Whiskey. 332,273; Feb. 4. Class 49.
McKesson & Robbins, Incorporated, Bridgeport, and Fairfield, Conn. Rum. 332,281; Feb. 4. Class 49.
McLoughlin Manufacturing Company, New York, N. Y. Sports shirts and blouses and men's underwear. 332,276; Feb. 4. Class 39.
Meer Made Products. (See Eidinger, Robert.)
Mercoid Corporation, The, Chicago, Ill. Electric controls and control systems for electrically operated coal mining devices and the like and parts thereof. 332,143; Feb. 4; Serial No. 368,043; published Nov. 26, 1935. Class 21.
Metropolitan Cigar Corporation, Chicago, Ill. Cigars. 332,165; Feb. 4; Serial No. 362,699; published Aug. 27, 1935. Class 17.
Meyer, H. H., Packing Company, The, Cincinnati, Ohio. Hams, bacon, lard, etc. 110,829; renewed June 18, 1936.
Meyer & Lange, Inc., New York, N. Y. Canned cured hams. 332,088; Feb. 4; Serial No. 366,483; published Nov. 26, 1935. Class 46.
Miami Valley Brewing Company, The, Dayton, Ohio. Beer. 332,260; Feb. 4. Class 48.
Mid-States Gummed Paper Company, Chicago, Ill. Decalcomania paper. 332,065–6; Feb. 4; Serial Nos. 366,161–2; published Nov. 26, 1935. Class 37.
Midwest Milling Co., Denver, Colo. Cereal breakfast foods. 332,217; Feb. 4; Serial No. 368,791; published Nov. 26, 1935. Class 46.
Mi Favorita Cigar Co., Inc., New York, N. Y., and Key West, Fla., assignor, by mesne assignments, to Webster Eisenlohr, Inc., New York, N. Y. Cigars and little cigars. 109,032; renewed Mar. 14, 1936.
Mitchell, C. J., & Co. Ltd., San Francisco, Calif. Whisky. 332,109; Feb. 4; Serial No. 349,640; published June 26, 1934. Class 49.
Model Craftsman Publishing Corporation, The, New York, N. Y. Magazine. 332,142; Feb. 4; Serial No. 369,412; published Nov. 26, 1935. Class 38.
Mon-Ami, Incorporated, Sandusky, Ohio. Wines. 332,213; Feb. 4; Serial No. 368,829; published Dec. 3, 1935. Class 47.
Montague, Joseph F., New York, N. Y. Booklets. 332,165–9; Feb. 4; Serial Nos. 363,714–5; published Nov. 26, 1935. Class 38.
Moore, James O., doing business as Balou' Hosiery Agency, St. Louis, Mo. Men's hosiery. 332,265; Feb. 4. Class 39.
Morgan, Marcella U., doing business as Hetero Manufacturing Co., Streator, Ill. Carpet sweepers. 332,104; Feb. 4; Serial No. 369,775; published Nov. 26, 1935. Class 22.
Naamloose Vennootschap Amsterdamsche Likeurstokerij "'T Lootsje" der Erven Lucas Bols, Amsterdam, Netherlands. Gin and liqueurs. 332,166; Feb. 4; Serial No. 368,131; published Nov. 26, 1935. Class 49.
Naamloose Vennootschap Amsterdamsche Likeurstokerij "'T Lootsje" der Erven Lucas Bols, Amsterdam, Netherlands. Kümmel liqueur. 332,167; Feb. 4; Serial No. 368,182; published Nov. 26, 1935. Class 49.
National NuGrape Co., Atlanta, Ga. Maltless beverages, and syrups, extracts, flavors, and concentrates for same. 332,223; Feb. 4; Serial No. 370,667; published Nov. 26, 1935. Class 45.
Newhall Chain Forge & Iron Co., New York, N. Y., to Newhall Chain Forge & Iron Co., Westwood, N. J. Snap-hooks, grab-hooks, automobile-tire-chain hooks, etc. 110,406–7; renewed May 23, 1936.
Niagara Falls Milling Co., Niagara and Buffalo, N. Y., to Niagara Falls Milling Co., Lockport, N. Y. Wheat-flour. 111,022; renewed June 20, 1936.
Northwest Distilleries, Inc., Seattle, Wash. Distilled and rectified alcoholic liquors. 332,187–8; Feb. 4; Serial Nos. 370,267–8; published Dec. 3, 1935. Class 49.
Oil Well Supply Company, Dallas, Tex. Slush pump liners. 332,125; Feb. 4; Serial No. 368,897; published Nov. 26, 1935. Class 23.
Ojibwa Leather Waterproofing Co. (See Strom, George F.)
Oldetyme Distillers, Inc., New York, N. Y. Whiskey. 332,220–1; Feb. 4; Serial Nos. 370,722–3; published Nov. 26, 1935. Class 49.
Ostrex Company. (See Breyer, Joseph.)
Pacific Alloy Co., Seattle, Wash. Metal alloy in ingot form. 332,193; Feb. 4; Serial No. 370,422; published Nov. 26, 1935. Class 14.
Parker, Edward N., Washington, D. C. Motion pictures. 332,186; Feb. 4; Serial No. 370,226. Class 26.
Paxton & Gallagher Co., Omaha, Nebr. Canned fruits and vegetables. 332,267; Feb. 4; Serial No. 370,015; published Nov. 26, 1935. Class 46.
Peacock Blade Co. (See Gordon, Benjamin.)
Penn-Maryland Corporation, New York, N. Y. Whiskey. 332,072; Feb. 4; Serial No. 364,786; published June 18, 1935. Class 49.
Perma-Stain Company, The, Cleveland, Ohio. Stains and paints. 332,075; Feb. 4; Serial No. 310,725; published Apr. 14, 1931. Class 16.
Phillips, Frank, New York, N. Y. Rayon piece goods. 332,093; Feb. 4; Serial No. 367,168; published Nov. 19, 1935. Class 42.
Picker-Lins Importers, Inc., New York, N. Y. Wine. 332,170; Feb. 4; Serial No. 368,946; published Nov. 26, 1935. Class 47.
Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. 332,132–4; Feb. 4; Serial Nos. 370,732–4; published Nov. 26, 1935. Class 49.
Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. 332,135; Feb. 4; Serial No. 370,731; published Nov. 26, 1935. Class 49.
Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. 332,137; Feb. 4; Serial No. 370,730; published Nov. 26, 1935. Class 49.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. 332,219; Feb. 4; Serial No. 370,726; published Nov. 26, 1935. Class 49.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. 332,253; Feb. 4; Serial No. 370,727; published Nov. 26, 1935. Class 49.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. 332,254; Feb. 4; Serial No. 370,728; published Dec. 3, 1935. Class 49.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. 332,255; Feb. 4; Serial No. 370,729; published Nov. 26, 1935. Class 49.

Pomona Fruit Growers Exchange, Pomona, Calif. Fresh citrus fruit. 332,204; Feb. 4; Serial No. 369,712; published Nov. 26, 1935. Class 45.

Poor Prune Candy Co., Milwaukee, Wis. Candy. 332,251; Feb. 4; Serial No. 369,373; published Nov. 26, 1935. Class 46.

Price Flavoring Extract Company, Chicago, Ill. Food preparation for making puddings, pie fillers, and ice cream. 332,195; Feb. 4; Serial No. 369,584; published Nov. 26, 1935. Class 46.

Rath Packing Company, The, Waterloo, Iowa. Cooked ox tongue and beef stew. 332,119; Feb. 4; Serial No. 369,102; published Nov. 26, 1935. Class 46.

Ritter, W. M., Lumber Company, Columbus, Ohio. Oak flooring. 332,256; Feb. 4; Serial No. 369,981; published Nov. 26, 1935. Class 12.

Robbins & Meyers, Inc., Springfield, Ohio. Hoists, cranes, trolleys, etc. 332,117; Feb. 4; Serial No. 369,138; published Nov. 26, 1935. Class 23.

Robin Hood Mills Limited, Calgary, Alberta, and Moose Jaw, Saskatchewan, Canada. Farina, rolled oats, and oatmeal. 108,370; renewed Feb. 1, 1936.

Rosenberger, A., Kansas City, Mo. Whiskey. 332,129; Feb. 4; Serial No. 370,841; published Dec. 3, 1935. Class 49.

Rosenberger, A., Kansas City, Mo. Whiskey. 332,279; Feb. 4. Class 49.

Royal Typewriter Company, Inc., New York, N. Y. Typewriting machines and parts thereof. 110,779; renewed June 13, 1936.

Russell, W. A., & Co., New York, N. Y. Valves. 332,092; Feb. 4; Serial No. 367,138; published Nov. 26, 1935. Class 13.

Russell's Railway and Motor Bus Guide Co., Cedar Rapids, Iowa. Periodicals. 332,089; Feb. 4; Serial No. 366,675; published Nov. 26, 1935. Class 38.

Samson-United Corporation, Rochester, N. Y. Electric heating units. 332,260; Feb. 4. Class 21.

Saticoy Lemon Association, Saticoy, Calif. Fresh lemons. 332,206; Feb. 4; Serial No. 357,150; published Nov. 26, 1935. Class 46.

Scalebuoy Company, The, Boston, Mass. Apparatus including one or more electronic discharge bulbs. 332,189; Feb. 4; Serial No. 370,274; published Nov. 26, 1935. Class 21.

Schieren, Chas. A., Company, New York, N. Y. Leather belts and leather belt-lacings. 110,690; renewed June 6, 1936.

Schieren, Chas. A., Company, New York, N. Y. Leather belting. 110,691; renewed June 6, 1936.

Scholastic Corporation, Pittsburgh, Pa. Periodical. 332,238; Feb. 4; Serial No. 370,019; published Nov. 19, 1935. Class 38.

Schonbrunn, S. A., & Co., Inc., New York, N. Y. Coffee. 332,190; Feb. 4; Serial No. 370,276; published Nov. 26, 1935. Class 46.

Sealright Co., Inc., Fulton, N. Y. Containers made wholly or partly of paper. 332,222; Feb. 4; Serial No. 370,676; published Nov. 26, 1935. Class 2.

Seeman Brothers, Inc., New York, N. Y. Apple sauce, broccoli canned, coffee essence, etc. 332,079; Feb. 4; Serial No. 341,496; published Nov. 26, 1935. Class 46.

Sherwin-Williams Co., The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. 332,103; Feb. 4; Serial No. 369,861; published Nov. 26, 1935. Class 16.

Simmons Hardware Company, St. Louis, Mo. Boilers and tubs, wash boards, ironing boards. 332,141; Feb. 4; Serial No. 369,373; published Nov. 26, 1935. Class 24.

Sitterley, James E., New York, N. Y. Quarterly periodical publication. 332,239–40; Feb. 4; Serial Nos. 370,020–1; published Nov. 19, 1935. Class 38.

Slavick, Joseph V., Washington, D. C. Heaters for heating clamps for hair waving appliances, heating clamps, etc. 332,102; Feb. 4; Serial No. 369,900; published Nov. 26, 1935. Class 44.

Smith, Landon P., Inc., Irvington, N. J. Scrapers for surfaces of glass, wood, metal, etc. 332,258; Feb. 4. Class 23.

Snow Ball Yarn Co. (See Steinberger Bros. Inc.)

Snow, Sidney. (See Deute, Arthur H.)

Soutag Chain Stores Co. Ltd., Los Angeles, Calif. Gin. 332,160; Feb. 4; Serial No. 361,220; published Nov. 26, 1935. Class 49.

Spalding Sales Corporation. (See Wright & Ditson, assignor.)

Standard Motor Products, Inc., Long Island City, N. Y. Electrical apparatus, more particularly ignition devices for automobiles. 332,212; Feb. 4; Serial No. 359,707; published Nov. 26, 1935. Class 21.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Lubricating oils. 332,257; Feb. 4; Serial No. 369,423; published Nov. 26, 1935. Class 15.

Standard Oil Development Company, Linden, N. J. Cementitious adhesive or binder for paper, cloth, and glass. 332,118; Feb. 4; Serial No. 369,113; published Nov. 26, 1935. Class 5.

Standard Register Company, The, Dayton, Ohio. Strip feeding devices for typewriters, billing machines, etc. 332,108; Feb. 4; Serial No. 360,728; published Nov. 26, 1935. Class 28.

Standard Textile Products Company, The, New York, N. Y. Chemically treated cellulose fiber in sheet form. 332,106; Feb. 4; Serial No. 356,973; published Nov. 12, 1935. Class 20.

Steinberger Bros. Inc., doing business as Snow Ball Yarn Co., New York, N. Y. Yarn. 332,123; Feb. 4; Serial No. 368,993; published Nov. 19, 1935. Class 48.

Strom, George F., doing business as Ojibwa Leather Waterproofing Co., Duluth, Minn. Liquid or paste preparation for use in waterproofing, preserving, and softening leather or leather articles. 332,214; Feb. 4; Serial No. 369,506; published Nov. 26, 1935. Class 4.

Sun-Maid Raisin Growers of California, Fresno, Calif. Raisin bread. 332,252; Feb. 4; Serial No. 368,369; published Nov. 26, 1935. Class 46.

Sure-Fit Products Company, Philadelphia, Pa. Tailored slip-covers. 332,162; Feb. 4; Serial No. 362,128; published Nov. 26, 1935. Class 23.

Tecla Corporation. (See Goldsoll, Frank J., assignor.)

Texas Gulf Sulphur Company, New York, N. Y. Cement and plastic material. 332,180; Feb. 4; Serial No. 370,128; published Nov. 26, 1935. Class 12.

Tindall, Kolbe & McDowell Co., Milwaukee, Wis. Coffee. 332,236; Feb. 4; Serial No. 369,994; published Nov. 26, 1935. Class 46.

Tree-Gold Cooperative Growers of Florida, Orlando, Fla. Fresh citrus fruits. 332,146; Feb. 4; Serial No. 368,276; published Nov. 26, 1935. Class 45.

Tremco Manufacturing Company, The, Cleveland, Ohio. Asphalt or tar emulsion materials. 332,078; Feb. 4; Serial No. 328,281; published Oct. 16, 1934. Class 12.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns. 332,150; Feb. 4; Serial No. 368,511; published Nov. 19, 1935. Class 48.

United States Electric Mfg. Corp., New York, N. Y. Fan plug. 332,261; Feb. 4. Class 21.

United States News Publishing Corporation, The, Washington, D. C. Sections of periodical publications. 332,135; Feb. 4; Serial No. 369,382; published Nov. 26, 1935. Class 38.

United States Rubber Products, Inc., New York, N. Y. Boots and shoes. 332,270; Feb. 4. Class 39.

Van Raalte Company, New York, N. Y. Women's underwear and lingerie. 332,275; Feb. 4. Class 39.

Wadhams Oil Company, assignor to Wadhams Oil Company, Milwaukee, Wis. Gasolene. 110,707; renewed June 6, 1936.

Wahnetah Silk Company. (See Goldman Costume Co., assignor.)

Walgreen Co., Chicago, Ill. Shaving cream. 332,163; Feb. 4; Serial No. 362,391; published Nov. 26, 1935. Class 4.

Warner Jenkinson Manufacturing Company, St. Louis, Mo. Beverages, colorings, and extracts and essences for flavoring same. 110,843; renewed June 13, 1936.

Wathen, John A., Distillery Co., Inc., Lebanon and Louisville, Ky. Whiskey. 332,111; Feb. 4; Serial No. 369,290; published Nov. 26, 1935. Class 49.

Weiner, Jacob, doing business as Maplewood Specialty Mills, Fall River, Mass. Wet mop. 332,164; Feb. 4; Serial No. 363,690; published Nov. 26, 1935. Class 29.

Weissenburger, Pierre, Oberzai, France. Wines. 332,069; Feb. 4; Serial No. 345,526; published Nov. 26, 1935. Class 47.

Werts Novelty Company, Incorporated, Muncie, Ind. Games of chance. 332,224–5; Feb. 4; Serial Nos. 370,642–3; published Nov. 26, 1935. Class 22.

Werts Novelty Company, Incorporated, Muncie, Ind. Games of chance. 332,226; Feb. 4; Serial No. 370,690; published Nov. 26, 1935. Class 22.

West Coast Gouley Burcham Co., Ltd., Los Angeles, Calif. Canned fruits and vegetables. 332,200; Feb. 4; Serial No. 369,639; published Nov. 26, 1935. Class 46.

Wichita Flour Mills Company, The, Wichita, Kans. Pure wheat flour. 332,085; Feb. 4; Serial No. 367,425; published Nov. 26, 1935. Class 46.

Wilbur & Williams Co., The, Boston, Mass. Paste paint. 332,115; Feb. 4; Serial No. 369,211; published Nov. 26, 1935. Class 16.

Wilson, Paul C., Richmond, Va. Directories. 332,136; Feb. 4; Serial No. 368,723; published Nov. 26, 1935. Class 38.

Wilson, Paul C., Richmond, Va. Directories. 332,137; Feb. 4; Serial No. 368,725; published Nov. 26, 1935. Class 38.

Wincharger Corporation, Sioux City, Iowa. Windmills. 332,083; Feb. 4; Serial No. 365,413; published Nov. 26, 1935. Class 22.

Wincharger Corporation, Sioux City, Iowa. Windmills. 332,084; Feb. 4; Serial No. 367,223; published Nov. 26, 1935. Class 22.

Wolf Hop Co., The, San Francisco, Calif. Hops. 332,191; Feb. 24; Serial No. 370,327; published Nov. 26, 1935. Class 1.

Wondrex Company. (See Woronoff, Paul A., assignor.)

Woronoff, Paul A., doing business as Wondrex Company, St. David's, Pa., assignor to Wondrex Company, Inc., West Collingswood, N. J. Chemically impregnated cloths for cleaning and polishing. 332,144; Feb. 4; Serial No. 368,058; published Nov. 26, 1935. Class 4.

Wright & Ditson, Boston, Mass., assignor to Spalding Sales Corporation, Jersey City, N. J., and New York, N. Y. Sporting goods. 110,110; renewed May 2, 1936.

Zekaria Bros., New York, N. Y. Lace piece goods. 332,174; Feb. 4; Serial No. 367,844; published Nov. 26, 1935. Class 42.

Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and wind-driven electric current-generating apparatus, and parts thereof. 332,074; Feb. 4; Serial No. 364,908; published Nov. 26, 1935. Class 21.

Zenith Radio Corporation, Chicago, Ill. Radio tubes and radio and television receiving sets and parts thereof. 332,090; Feb. 4; Serial No. 366,895; published Nov. 26, 1935. Class 21.

Zenith Radio Corporation, Chicago, Ill. Windmills. 332,091; Feb. 4; Serial No. 367,093; published Nov. 26, 1935. Class 22.

LIST OF REGISTRANTS OF LABELS

A. C. Tablet Company, The. (See Suffern, James B.)

Allo, Ignatius, doing business as Allo Pharmacal Co., New York, N. Y. Allo's Cremose. For a Preparation for the Treatment of Coughs, Colds, Whooping Cough, Bronchitis, Bronchial Irritations, Croup, and Hoarseness. 47,002; Feb. 4.

Crusader Oil Corporation, New York, N. Y. Crusader. For Motor Oil. 47,008; Feb. 4.

Grocers Baking Company, Incorporated, Louisville, Ky. Honey-Krust. For Bread. 47,004; Feb. 4.

Laura Hair Novelty Company. (See Thau, Charles K.)

Los Angeles Brewing Co., Los Angeles, Calif. Kentucky Turnpike. For Straight Bourbon Whisky. 47,005; Feb. 4.

Los Angeles Brewing Co., Los Angeles, Calif. Old Maryland. For Straight Rye Whisky. 47,006; Feb. 4.

Los Angeles Brewing Co., Los Angeles, Calif. Crystal Lake. For Alcohol. 47,007; Feb. 4.

McNeszer, O. H., Chicago, Ill. Mack's Superior Body and Muscle Searcher. For a Preparation for the External Treatment of Colds in Various Parts of the Body and Rheumatic Pains. 47,006; Feb. 4.

Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. White Rose Hand Lotion. For Hand Lotion. 47,009; Feb. 4.

Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Day & Night Face Powder. For Face Powder. 47,010; Feb. 4.

Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Kleen-U Pills. For Laxative Pills or Tablets. 47,011; Feb. 4.

Neumann, Morton G., doing business as Valmor Products Company, Chicago, Ill. Pressing Oil. For Pressing Oil. 47,012; Feb. 4.

Pacific Guano Company, San Francisco, Calif. Type "Last Call". For a Preparation for Killing Snails and for the Control of Slugs, Bowbugs, Grasshoppers, Earwigs, and Cutworms. 47,013; Feb. 4.

Padilla Point Oyster Company, Seattle, Wash. Oyster Stew. For Canned Oyster Stew. 47,014; Feb. 4.

Pray, Edna M., Kansas City, Mo. Luraheen. For a Preparation in Liquid Form Used in Removing Dandruff Accumulations, Restoring Color to the Hair, Keeping Hair at Shade Desired and Scalp in Good Condition. 47,015; Feb. 4.

Pray, Edna M., Kansas City, Mo. Ana-Mal Balm. For Ointment for Dogs, Cats, and all Animals, Used in Treatment of the Skin, Dry Forms of Eczema and Sarcoptic Mange. 47,016; Feb. 4.

Suffern, James B., doing business as The A. C. Tablet Company, Elmira, N. Y. Wakers. For Tablets for Drowsy Drivers. 47,017; Feb. 4.

Thau, Charles K., doing business as Laura Hair Novelty Company, New York, N. Y. Laura Bob Pins. For Bob Pins. 47,018; Feb. 4.

Valmor Products Company. (See Neumann, Morton G.)

LIST OF REGISTRANTS OF PRINTS

Bamberger, L. Richard, New York, N. Y. No Smoking Not Even Aromas. For Cigarettes. 15,567; Feb. 4.

General Mills, Inc., Minneapolis, Minn. While They Last Free! Shirley Temple Child's Mug. For Biscuit Flour. 15,568; Feb. 4.

Kolynos Company, The, New Haven, Conn. 1168E. For Dental Cream. 15,569; Feb. 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Cellulosic materials in the form of sheets, films or foils. Celluloid Corporation. 332,205; Feb. 4; Serial No. 369,732; published Nov. 26, 1935.

Hops. Wolf Hop Co. 332,191; Feb. 4; Serial No. 370,327; published Nov. 26, 1935.

Leather, Sole. Lean & McVitty, Inc. 332,230; Feb. 4; Serial No. 370,470; published Nov. 26, 1935.

CLASS 2

Boxes and crates and chicken-coops. Chicago Mill and Lumber Company. 107,904; renewed Jan. 4, 1936.

Boxes, Paper and fibre. Lawrence Paper Company. 332,097; Feb. 4; Serial No. 369,967; published Nov. 26, 1935.

Containers made wholly or partly of paper. Sealright Co. 332,222; Feb. 4; Serial No. 370,676; published Nov. 26, 1935.

CLASS 3

Luggage, Hand. S. Dresner & Son, Inc. 332,238; Feb. 4; Serial No. 370,441; published Nov. 26, 1935.

CLASS 4

Aluminous oxide grains used as an abrasive, Fused. Exolon Company. 332,105; Feb. 4; Serial No. 369,736; published Nov. 26, 1935.

Cloths for cleaning and polishing, Chemically impregnated. P. A. Woronoff. 332,144; Feb. 4; Serial No. 368,058; published Nov. 26, 1935.

Preparations for use in waterproofing, preserving, and softening leather or leather articles, Liquid or paste. G. F. Strom. 332,214; Feb. 4; Serial No. 369,506; published Nov. 26, 1935.

Shaving cream. Walgreen Co. 332,163; Feb. 4; Serial No. 362,391; published Nov. 26, 1935.

Soap. Colgate-Palmolive-Peet Company. 332,145; Feb. 4; Serial No. 368,125; published Nov. 26, 1935.

Soaps, soap chips, soap powder, etc. Colgate-Palmolive-Peet Company. 332,151; Feb. 4; Serial No. 368,561; published Nov. 26, 1935.

CLASS 5

Adhesive or binder for paper, cloth, and glass, Cementitious. Standard Oil Development Company. 332,118; Feb. 4; Serial No. 369,113; published Nov. 26, 1935.

CLASS 6

Hair-tonic. J. Jorgensen. 111,050; renewed June 20, 1936.

Insecticides. Annbacher Insecticide Co. 108,857; renewed Feb. 1, 1936.

Powder, Face. A. Bourjois & Co. 110,632; renewed June 6, 1936.

Tanning extracts. Champion Fibre Company. 111,006; renewed June 20, 1936.

Tonic in tablet form, General health. J. Breyer. 332,107; Feb. 4; Serial No. 351,684; published Aug. 7, 1934.

CLASS 12

Asphalt or tar emulsion materials. Tremco Manufacturing Company. 332,078; Feb. 4; Serial No. 328,281; published Oct. 16, 1934.

Cement and plastic material. Texas Gulf Sulphur Company. 332,180; Feb. 4; Serial No. 370,128; published Nov. 26, 1935.

Felt, Tarred. Barrett Manufacturing Company. 110,162; renewed May 9, 1936.

Flooring, Oak. W. M. Ritter Lumber Company. 332,250; Feb. 4; Serial No. 369,981; published Nov. 26, 1935.
Papers, felts, and composite fabrics for roofing, etc. Barrett Manufacturing Company. 107,956-7; renewed Jan. 4, 1936.
Pipe joints. Humble Oil & Refining Company. 332,147; Feb. 4; Serial No. 368,374; published Nov. 26, 1935.
Roofing, Prepared. Barrett Manufacturing Company. 108,331; renewed Feb. 8, 1936.

CLASS 13

Hooks, grap-hooks, automobile-tire-chain hooks, etc., Snap. Newhall Chain Forge & Iron Co. 110,406-7; renewed May 22, 1936.
Valves. W. A. Russell & Co. 332,092; Feb. 4; Serial No. 367,138; published Nov. 26, 1935.

CLASS 14

Metal alloy in ingot form. Pacific Alloy Co. 332,193; Feb. 4; Serial No. 370,422; published Nov. 26, 1935.
Metal, Ferrous. Latrobe Electric Steel Company. 332,234; Feb. 4; Serial No. 369,496; published Nov. 26, 1935.

CLASS 15

Gasolene. Wadhams Oil Company. 110,707; renewed June 9, 1936.
Oils, Lubricating. Standard Oil Company of California. 332,257; Feb. 4; Serial No. 369,423; published Nov. 26, 1935.

CLASS 16

Paint, Paste. Wilbur & Williams Co. 332,115; Feb. 4; Serial No. 369,211; published Nov. 26, 1935.
Paints, paint enamels, lacquers, etc. Sherwin-Williams Co. 332,103; Feb. 4; Serial No. 369,861; published Nov. 26, 1935.
Paints, Ready-made paste. John W. Masury & Son. 111,019; renewed June 20, 1936.
Paints, varnishes, and lacquers. American Chemical Paint Company. 332,209; Feb. 4; Serial No. 357,888; published Nov. 26, 1935.
Stains and paints. Perma-Stain Company. 332,075; Feb. 4; Serial No. 310,785; published Apr. 14, 1931.

CLASS 17

Cigars. Metropolitan Cigar Corporation. 332,165; Feb. 4; Serial No. 362,699; published Aug. 27, 1935.
Cigars and little cigars. Mi Favorita Cigar Co. 109,022; renewed Mar. 14, 1936.
Tobacco products. Bayuk Cigars Incorporated. 332,175; Feb. 4; Serial No. 367,969; published Nov. 12, 1935.

CLASS 19

Automobile accessories. Associated Merchandising Co. 332,218; Feb. 4; Serial No. 368,768; published Nov. 26, 1935.
Bicycles. Cleveland Welding Company. 332,192; Feb. 4; Serial No. 370,374; published Nov. 26, 1935.
Heaters, Automobile hot air and water. Atlas Supply Company. 332,243; Feb. 4; Serial No. 370,038; published Nov. 26, 1935.

CLASS 20

Cellulose fiber in sheet form, Chemically treated. Standard Textile Products Company. 332,106; Feb. 4; Serial No. 356,972; published Nov. 26, 1935.

CLASS 21

Apparatus including one or more electronic discharge bulbs. Scalebuoy Company. 332,189; Feb. 4; Serial No. 370,274; published Nov. 26, 1935.
Electric controls and control systems for electrically operated coal stoking devices and the like and parts thereof. Mercoid Corporation. 332,143; Feb. 4; Serial No. 368,043; published Nov. 26, 1935.
Electric floor and table lamps. Luminator Inc. 332,081; Feb. 4; Serial No. 345,717; published Nov. 26, 1935.
Electric heating units. Hanson-United Corporation. 332,260; Feb. 4.
Electric toasters, electric heaters, electric stoves, etc. Knapp-Monarch Company. 332,136; Feb. 4; Serial No. 369,443; published Nov. 26, 1935.
Electrical apparatus, more particularly ignition devices for automobiles. Standard Motor Products, Inc. 332,212; Feb. 4; Serial No. 359,707; published Nov. 26, 1935.
Fuse plug. United States Electric Mfg. Corp. 332,241; Feb. 4.
Interference eliminators for radio receivers. Consolidated Wire and Associated Corporations. 332,177-8; Feb. 4; Serial Nos. 370,090-1; published Nov. 26, 1935.
Radio and television receiving sets and wind-driven electric current-generating apparatus, and parts thereof. Zenith Radio Corporation. 332,074; Feb. 4; Serial No. 364,906; published Nov. 26, 1935.
Radio dials. Case Electric Corporation. 332,124; Feb. 4; Serial No. 368,919; published Nov. 26, 1935.
Radio tubes, and radio and television receiving sets and parts thereof. Zenith Radio Corporation. 332,090; Feb. 4; Serial No. 366,825; published Nov. 26, 1935.
Transformers, High leakage resistance. Acme Electric & Manufacturing Company. 332,171; Feb. 4; Serial No. 364,164; published Nov. 26, 1935.

CLASS 22

Games of chance. Wertz Novelty Company. 332,224-5; Feb. 4; Serial No. 370,447-8; published Nov. 26, 1935.
Games of chance. Wertz Novelty Company. 332,226; Feb. 4; Serial No. 370,599; published Nov. 26, 1935.
Sporting goods. Wright & Ditson. 110,110; renewed May 2, 1936.
Toy lariats. C. A. Daniels. 332,207; Feb. 4; Serial No. 357,501; published Nov. 26, 1935.

CLASS 23

Cars, pumps, hoists, etc. Ore. Coeur d'Alene Hardware & Foundry Co. 332,196; Feb. 4; Serial No. 369,661; published Nov. 26, 1935.
Caulking, glazing, and grease guns. Altise Manufacturing Co. 332,150; Feb. 4; Serial No. 369,392; published Nov. 26, 1935.
Hoists, cranes, trolleys, etc. Robbins & Myers, Inc. 332,117; Feb. 4; Serial No. 369,138; published Nov. 26, 1935.
Lug straps. E. H. Jacobs Manufacturing Company. 332,152; Feb. 4; Serial No. 368,571; published Nov. 26, 1935.
Pump liners, Slush. Oil Well Supply Company. 332,126; Feb. 4; Serial No. 368,897; published Nov. 26, 1935.
Razor blades. Club Razor & Blade Mfg. Corp. 332,152; Feb. 4; Serial No. 370,178; published Nov. 26, 1935.
Razor blades. S. Gordon. 332,154; Feb. 4; Serial No. 370,179; published Nov. 26, 1935.
Scrapers for surfaces of glass, wood, metal, etc. Landen P. Smith, Inc. 332,248; Feb. 4.
Strip feeding devices for typewriters, billing machines, etc. Standard Register Company. 332,108; Feb. 4; Serial No. 350,726; published Nov. 26, 1935.
Sweepers, Carpet. Bissell Carpet Sweeper Company. 332,077; Feb. 4; Serial No. 328,121; published Nov. 26, 1935.
Sweepers, Carpet. M. U. Morgan. 332,104; Feb. 4; Serial No. 369,775; published Nov. 26, 1935.
Typewriting machines and parts thereof. Royal Typewriter Company. 110,779; renewed June 13, 1936.
Windmills. Wincharger Corporation. 332,083; Feb. 4; Serial No. 365,415; published Nov. 26, 1935.
Windmills. Wincharger Corporation. 332,084; Feb. 4; Serial No. 367,222; published Nov. 26, 1935.
Windmills. Zenith Radio Corporation. 332,091; Feb. 4; Serial No. 367,093; published Nov. 26, 1935.
Woodworking machines and parts or accessories thereof. Delta Manufacturing Company. 332,179; Feb. 4; Serial No. 370,033; published Nov. 26, 1935.
Yarn carriers for knitting machines. Arcadia Hosiery Co. 332,181; Feb. 4; Serial No. 370,166; published Nov. 26, 1935.

CLASS 24

Boilers and tubs, wash boards, ironing boards. Simmons Hardware Company. 332,141; Feb. 4; Serial No. 369,378; published Nov. 26, 1935.

CLASS 25

Latches, Vehicle door. American Swiss Company. 332,240; Feb. 4.

CLASS 26

Battery testers, electric light bulb testers, volt meters and ammeters. Atlas Supply Company. 332,120; Feb. 4; Serial No. 369,075; published Nov. 26, 1935.
Electro-mechanical instrument for measuring human hearing facilities. P. W. Andrews. 332,158; Feb. 4; Serial No. 368,767; published Nov. 26, 1935.
Eyeglasses, goggles, spectacles, etc. Du Paul Central Optical Company. 332,119; Feb. 4; Serial No. 369,228; published Nov. 26, 1935.
Measuring and scientific appliances and apparatus for general and laboratory use and parts thereof, etc. Emil Greiner Company. 332,197-8; Feb. 4; Serial No. 369,605-6; published Nov. 26, 1935.
Outfit for constructing a number of optical instruments. A. C. Gilbert Company. 332,173; Feb. 4; Serial No. 364,477; published Nov. 26, 1935.
Pictures, Motion. E. N. Parker. 332,186; Feb. 4; Serial No. 370,226; published Nov. 26, 1935.
Weighing machines and parts thereof. E. and T. Fairbanks and Company. 332,176; Feb. 4; Serial No. 370,086; published Nov. 26, 1935.

CLASS 28

Flatware, Silver-plated. International Silver Company. 332,188; Feb. 4; Serial No. 370,134; published Nov. 26, 1935.
Pearls, rubies, emeralds, etc., Imitation, artificial, etc. F. J. Goldcoll. 107,782; renewed Dec. 28, 1935.

CLASS 29

Mops, Wet. J. Weiner. 332,154; Feb. 4; Serial No. 368,439; published Nov. 26, 1935.

CLASS 32

Hassocks, cushions, and pillows. Crawford Manufacturing Co. 332,140; Feb. 4; Serial No. 369,399; published Nov. 26, 1935.
Slip-covers. Sure-Fit Products Company. 332,163; Feb. 4; Serial No. 362,128; published Nov. 26, 1935.
Tables and chairs. Bloomingdale Bros., Inc. 332,115; Feb. 4; Serial No. 369,216; published Nov. 26, 1935.

CLASS 33

Glass shades, glass globes, and glass reflectors for artificial illumination. Gleason-Tiebout Glass Company. 110,755; renewed June 13, 1936.

CLASS 34

Lanterns, Oil. Embury Manufacturing Co. 332,157; Feb. 4; Serial No. 369,768; published Nov. 26, 1935.

CLASS 35

Belting, Leather. Chas. A. Schieren Company. 110,691; renewed June 6, 1936.
Belts and leather belt-lacings, Leather. Chas. A. Schieren Company. 110,690; renewed June 6, 1936.
Brake material and linings, Clutch facings. Hoof-Brak Corporation. 332,087; Feb. 4; Serial No. 366,415; published Nov. 26, 1935.

CLASS 36

Banjos, guitars, ukuleles, etc. Fred. Gretsch Mfg. Co. 332,082; Feb. 4; Serial No. 368,196; published Nov. 26, 1935.
Banjos, guitars, ukuleles, etc. Fred. Gretsch Mfg. Co. 332,215; Feb. 4; Serial No. 368,649; published Nov. 26, 1935.
Pianos. American Piano Company. 110,619; renewed June 6, 1936.

CLASS 37

Fiberboard, Corrugated. Iowa Fiber Box Company. 332,112; Feb 4; Serial No. 369,228; published Nov. 26, 1935.
Labels and rolls of gummed tape, etc., Rolls and packages and pads of. Ever Ready Label Corporation. 332,216; Feb. 4; Serial No. 368,842; published Nov. 26, 1935.
Paper, Decalcomania. Mid-States Paper Company. 332,085-6; Feb. 4; Serial Nos. 366,161-2; published Nov. 26, 1935.
Paper, Wrapping. Berlin Mills Company. 110,730-1; renewed June 13, 1924.
Pencils, Lead. Blaisdell Pencil Company. 332,116; Feb. 4; Serial No. 369,179; published Nov. 26, 1935.

CLASS 38

Articles or columns published serially in newspapers and periodicals. A. H. Deute. 332,202; Feb. 4; Serial No. 369,689; published Nov. 19, 1935.
Articles or writings, Series of. Call Publishing Company. 332,235; Feb. 4; Serial No. 369,428; published Nov. 26, 1935.
Booklets. J. F. Montague. 332,163-9; Feb. 4; Serial Nos. 363,714-15; published Nov. 26, 1935.
Calendar cards. Gettler-Montanye, Inc. 332,090; Feb. 4; Serial No. 369,962; published Nov. 19, 1935.
Dictionary. Funk & Wagnalls Company. 106,893; renewed Feb. 22, 1936.
Directories. P. C. Wilson. 332,155; Feb. 4; Serial No. 368,723; published Nov. 26, 1935.
Directories. P. C. Wilson. 332,156; Feb. 4; Serial No. 368,725; published Nov. 26, 1935.
Magazine. Model Craftsman Publishing Corporation. 332,142; Feb. 4; Serial No. 369,412; published Nov. 26, 1935.
Newspaper. Friends of the New Germany. 332,210; Feb. 4; Serial No. 369,892; published Nov. 19, 1935.
Newspaper. Georgian Company. 110,946; renewed June 6, 1936.
Newspaper editorial features. American Institute of Public Opinion. 332,241-2; Feb. 4; Serial Nos. 370,035-6; published Nov. 19, 1935.
Periodical. Hide and Leather Publishing Co. 332,244; Feb. 4; Serial No. 370,049; published Nov. 19, 1935.
Periodical. Scholastic Corporation. 332,238; Feb. 4; Serial No. 370,019; published Nov. 19, 1935.
Periodicals. Russell's Railway and Motor Bus Guide Co. 332,089; Feb. 4; Serial No. 366,675; published Nov. 26, 1935.
Publication. Esquire, Inc. 332,149; Feb. 4; Serial No. 368,444; published Nov. 26, 1935.
Publication, Quarterly periodical. J. E. Sitterley. 332,239-40; Feb. 4; Serial Nos. 370,020-1; published Nov. 19, 1935.
Section or department of a periodical. American Physician, Inc. 332,100; Feb. 4; Serial No. 369,949; published Nov. 19, 1935.
Sections of periodical publications. United States News Publishing Corporation. 332,133; Feb. 4; Serial No. 369,382; published Nov. 26, 1935.

CLASS 39

Boots and shoes. United States Rubber Products, Inc. 332,270; Feb. 4.
Boots and shoes and tennis shoes, Rubber. Hood Rubber Company. 107,756; renewed Dec. 28, 1935.
Boots and shoes, rubber overshoes, and rubber-soled canvas boots and shoes, Rubber. Hood Rubber Company. 107,758; renewed Dec. 28, 1935.
Collars and shirts, Men's. Eclipse-Nordica Company. 332,266-7; Feb. 4.
Hosiery. Louis Hirsch Textile Machines, Inc. 332,274; Feb. 4.
Hosiery, Men's. J. O. Moore. 332,205; Feb. 4.
Shirts and blouses and men's underwear, Sports. McLoughlin Manufacturing Company. 332,276; Feb. 4.
Shoes. Bates Shoe Company. 332,243; Feb. 4.
Underwear and lingerie, Women's. Van Raalte Company. 332,278; Feb. 4.

CLASS 42

Cots, Billiard. Brunswick-Balke-Collender Company. 332,246-8; Feb. 4; Serial Nos. 369,324-6; published Nov. 26, 1935.
Cloths and stuffs of wool, worsted, or hair. Bradford Dyers' Association, Limited. 107,897; renewed Jan. 4, 1936.
Curtains, Shower. R. Eldinger. 332,271; Feb. 4.
Fabrics of linen, cotton, etc. Crown Fabrics Corporation. 332,113; Feb. 4; Serial No. 369,219; published Nov. 19, 1935.
Fabrics, Pile. Collins & Aikman Corporation. 332,229; Feb. 4; Serial No. 370,459; published Nov. 19, 1935.
Lace piece goods. Zakaris Bros. 332,174; Feb. 4; Serial No. 367,844; published Nov. 26, 1935.
Piece goods. Celanese Corporation of America. 332,262; Feb. 4.
Piece goods. Celanese Corporation of America. 332,264; Feb. 4.
Pile fabrics. Collins & Aikman Corporation. 332,232; Feb. 4; Serial No. 370,460; published Nov. 19, 1935.
Rayon piece goods. F. Phillips. 332,093; Feb. 4; Serial No. 367,168; published Nov. 19, 1935.
Silk piece goods. Goldman Costume Co. 109,530; renewed Apr. 11, 1936.
Woolen and cotton piece goods. Continental Mills, Inc. 332,145; Feb. 4; Serial No. 368,390; published Nov. 19, 1935.

CLASS 43

Yarn. Malina Company. 332,094; Feb. 4; Serial No. 365,831; published Nov. 19, 1935.
Yarn. Steinberger Bros. Inc. 332,123; Feb. 4; Serial No. 366,993; published Nov. 19, 1935.
Yarns. Thomas Hodgson & Sons, Inc. 332,278; Feb. 4.
Yarns. Bernhard Ulmann Co. Inc. 332,150; Feb. 4; Serial No. 368,511; published Nov. 19, 1935.

CLASS 44

Catheters. American Anode Inc. 332,121; Feb. 4; Serial No. 369,074; published Nov. 26, 1935.
Heaters for heating clamps for hair waving appliances, heating clamps, etc. J. V. Slavick. 332,102; Feb. 4; Serial No. 369,900; published Nov. 26, 1935.
Sanitary belts. J. Goodman. 332,183; Feb. 4; Serial No. 370,178; published Nov. 26, 1935.
Surgical knives and detachable blades for surgical knives. Bard-Parker Company Inc. 332,153; Feb. 4; Serial No. 368,598; published Nov. 26, 1935.

CLASS 45

Beverages and syrups and extracts for making the same, Maltless. C. J. Howel. 332,208; Feb. 4; Serial No. 357,632; published Nov. 26, 1935.
Beverages, and syrups and flavors for making the same, Maltless. Bronx Mineral Water Co. 332,227; Feb. 4; Serial No. 370,597; published Nov. 26, 1935.
Beverages, and syrups, extracts, flavors, and concentrates for same, Maltless. National NuGrape Co. 332,223; Feb. 4; Serial No. 370,667; published Nov. 26, 1935.
Beverages, colorings, and extracts and essences for flavoring same. Warner Jenkinson Manufacturing Company. 110,843; renewed June 13, 1936.
Beverages sold as soft drinks, syrups, and extracts for manufacturing the same. Massasoit Beverage Co. 332,164; Feb. 4; Serial No. 362,969; published Apr. 30, 1935.
Cider. American Fruit Product Co. 332,277; Feb. 4.
Cider, Sweet apple. L. Klein, Inc. 332,231; Feb. 4; Serial No. 370,558; published Nov. 26, 1935.

CLASS 46

Apple sauce, broccoli canned, coffee essence, etc. Seeman Brothers, Inc. 332,079; Feb. 4; Serial No. 341,496; published Nov. 26, 1935.
Biscuits, Dog. Champion Animal Food Company. 107,878; renewed Jan. 4, 1936.
Bread, Raisin. Sun-Maid Raisin Growers of California. 332,263; Feb. 4; Serial No. 368,869; published Nov. 26, 1935.
Candy. Fine Products Corporation. 332,101; Feb. 4; Serial No. 369,916; published Nov. 26, 1935.
Candy. Poor Prune Candy Co. 332,251; Feb. 4; Serial No. 369,373; published Nov. 26, 1935.
Canned cured hams. Meyer & Lange, Inc. 332,088; Feb. 4; Serial No. 366,483; published Nov. 26, 1935.
Canned dog food. Keeno Packing Company. 332,199; Feb. 4; Serial No. 369,613; published Nov. 26, 1935.
Canned fruits and vegetables. Paxton & Gallagher Co. 332,237; Feb. 4; Serial No. 370,015; published Nov. 26, 1935.
Canned fruits and vegetables. West Coast Gouley Burcham Co. 332,200; Feb. 4; Serial No. 369,639; published Nov. 26, 1935.
Canned vegetables. Larsen Company. 332,096; Feb. 4; Serial No. 369,966; published Nov. 26, 1935.
Coffee. Lowry Rodgers Co. 332,245; Feb. 4; Serial No. 370,055; published Nov. 26, 1935.

Coffee. S. A. Schonbrunn & Co. 332,190; Feb. 4; Serial No. 370,276; published Nov. 26, 1935.
Coffee. Tindall, Kolbe & McDowell Co. 332,236; Feb. 4; Serial No. 369,984; published Nov. 26, 1935.
Ephedra trifurca, Dried and cut shoots of the desert plant. C. McClenny. 332,250; Feb. 5; Serial No. 369,369; published Nov. 26, 1935.
Farina, rolled oats, and oatmeal. Robin Hood Mills Limited. 108,870; renewed Feb. 1, 1936.
Flour, and cereals. Jobes Milling Co. 107,884; renewed Jan. 4, 1936.
Flour, Pure wheat. Wichita Flour Mills Company. 332,095; Feb. 4; Serial No. 367,425; published Nov. 26, 1935.
Flour, Wheat. Canadian Mill & Elevator Company. 332,249; Feb. 4; Serial No. 369,337; published Nov. 26, 1935.
Flour, Wheat. Federal Milling Company. 110,094; renewed May 2, 1936.
Flour, Wheat. Kansas Milling Company. 110,749; renewed June 13, 1936.
Flour, Wheat. Niagara Falls Milling Co. 111,022; renewed June 30, 1936.
Food preparation for making puddings, pie fillers, and ice cream. Price Flavoring Extract Company. 332,195; Feb. 4; Serial No. 369,584; published Nov. 26, 1935.
Foods, Cereal breakfast. Midwest Milling Co. 332,217; Feb. 4; Serial No. 368,791; published Nov. 26, 1935.
Fruit, Citrus. Cabell & Cabell. 110,800; renewed June 13, 1936.
Fruit, Fresh citrus. Pomona Fruit Growers Exchange. 332,204; Feb. 4; Serial No. 369,712; published Nov. 26, 1935.
Fruits, canned fish, and canned vegetables, Canned. Libby, McNeill & Libby. 109,011; renewed Mar. 14, 1936.
Fruits, Fresh citrus. Tree-Gold Cooperative Growers of Florida. 332,146; Feb. 4; Serial No. 368,276; published Nov. 26, 1935.
Hams, bacon, lard, etc. H. H. Meyer Packing Company. 110,829; renewed June 13, 1936.
Lemons, Fresh. Saticoy Lemon Association. 332,206; Feb. 4; Serial No. 357,150; published Nov. 26, 1935.
Melons, Fresh. Harry Lyon Grower & Shipper. 332,096; Feb. 4; Serial No. 367,797; published Nov. 26, 1935.
Oleomargarin. Geo. P. Braun Company. 107,660; renewed Dec. 14, 1935.
Ox tongue and beef stew, Cooked. Rath Packing Company. 332,119; Feb. 4; Serial No. 369,102; published Nov. 26, 1935.
Sauce for soups, fish, gravies, etc., Prepared. Lea & Perrins, Inc. 332,203; Feb. 4; Serial No. 369,703; published Nov. 26, 1935.

CLASS 47

Wine. "Picker-Lins Importers, Inc. 332,170; Feb. 4; Serial No. 363,946; published Nov. 26, 1935.
Wines. Mon-Ami, Incorporated. 332,213; Feb. 4; Serial No. 368,829; published Dec. 3, 1935.
Wines. P. Weissenburger. 332,080; Feb. 4; Serial No. 345,526; published Nov. 26, 1935.

CLASS 48

Beer. John Eichler Brewing Company. 110,885; renewed June 13, 1936.
Beer. T. F. Maier. 332,076; Feb. 4; Serial No. 369,498; published Nov. 26, 1935.
Beer. Miami Valley Brewing Company. 332,260; Feb. 4.
Beer, ale, stout, etc. Bruton Brewing Company. 332,132; Feb. 4; Serial No. 370,755; published Nov. 26, 1935.

CLASS 49

Gin. Distillers Distributing Corporation. 332,073; Feb. 4; Serial No. 364,950; published July 2, 1935.
Gin. Sontag Chain Stores Co. Ltd. 332,160; Feb. 4; Serial No. 361,226; published Nov. 26, 1935.
Gin and liqueurs. Naamloose Vennootchap Amsterdamsche Likeurstokerij ""T Lootsje" der Erven Lucas Bols. 332,166; Feb. 4; Serial No. 363,181; published Nov. 26, 1935.
Gin, Straight Old Tom. Booth's Distillery, Limited. 108,771; renewed Feb. 29, 1936.
Liqueur, Kümmel. Naamloose Vennootschap Amsterdamsche Likeurstokerij ""T Lootsje" der Erven Lucas Bols. 332,167; Feb. 4; Serial No. 363,182; published Nov. 26, 1935.
Liquors, Distilled and rectified alcoholic. Northwest Distilleries, Inc. 332,187-8; Feb. 4; Serial No. 370,367-8; published Dec. 3, 1935.
Rum. Hasco Trading Corporation. 332,272; Feb. 4.
Rum. La Grande Distillerie H. Cusenier Fils Aine & Cie. Societe Anonyme. 332,194; Feb. 4; Serial No. 369,576; published Dec. 3, 1935.
Rum. McKesson & Robbins, Incorporated. 332,261; Feb. 4.
Whiskey. Distillers Brands, Inc. 332,127; Feb. 4; Serial No. 370,968; published Dec. 3, 1935.
Whiskey. Holleb Liquor Distributors, Inc. 332,268; Feb. 4.
Whiskey. Lyle & Kinahan, Limited. 332,172; Feb. 4; Serial No. 364,186; published Nov. 26, 1935.
Whiskey. Maryland Distillers Products Corporation. 332,211; Feb. 4; Serial No. 369,475; published Feb. 26, 1935.
Whiskey. Maryland Distillers Products Corporation. 332,250; Feb. 4.
Whiskey. Frank McCormick, Inc. 332,273; Feb. 4.
Whiskey. Oldetyme Distillers, Inc. 332,220-1; Feb. 4; Serial Nos. 370,722-3; published Nov. 26, 1935.
Whiskey. Penn-Maryland Corporation. 332,072; Feb. 4; Serial No. 364,786; published June 18, 1935.
Whiskey. A. Rosenberger. 332,139; Feb. 4; Serial No. 370,841; published Dec. 3, 1935.
Whiskey. A. Rosenberger. 332,179; Feb. 4.
Whiskey. John A. Wathen Distillery Co. 332,111; Feb. 4; Serial No. 369,236; published Nov. 26, 1935.
Whiskey, gin, and rum. American Distributors, Inc. 332,201; Feb. 4; Serial No. 369,681; published Nov. 26, 1935.
Whiskey, gin, brandy, etc. Martin & Sasnd, Incorporated. 332,126; Feb. 4; Serial No. 370,885; published Dec. 3, 1935.
Whiskey, gin, brandy, etc. Marvin & Sasnd, Incorporated. 332,128; Feb. 4; Serial No. 370,884; published Dec. 3, 1935.
Whiskey, rum, gin, etc. I. Ginsberg, Inc. 332,130; Feb. 4; Serial No. 370,766; published Nov. 26, 1935.
Whiskey, rum, gin, etc. I. Ginsberg, Inc. 332,226; Feb. 4; Serial No. 370,608; published Nov. 26, 1935.
Whiskeys, brandies, gins, etc. J. S. Polefsky. 332,182-4; Feb. 4; Serial Nos. 370,732-4; published Nov. 26, 1935.
Whiskeys, brandies, gins, etc. J. S. Polefsky. 332,185; Feb. 4; Serial No. 370,731; published Nov. 26, 1935.
Whiskeys, brandies, gins, etc. J. S. Polefsky. 332,187; Feb. 4; Serial No. 370,730; published Nov. 26, 1935.
Whiskeys, brandies, gins, etc. J. S. Polefsky. 332,219; Feb. 4; Serial No. 370,726; published Nov. 26, 1935.
Whiskeys, brandies, gins, etc. J. S. Polefsky. 332,253; Feb. 4; Serial No. 370,727; published Nov. 26, 1935.
Whiskeys, brandies, gins, etc. J. S. Polefsky. 332,254; Feb. 4; Serial No. 370,728; published Dec. 3, 1935.
Whiskeys, brandies, gins, etc. J. S. Polefsky. 332,314; Feb. 4; Serial No. 370,729; published Nov. 26, 1935.
Whisky. C. J. Mitchell & Co. Ltd. 332,109; Feb. 4; Serial No. 349,540; published June 26, 1934.
Whisky, Scotch. Fraser MacDonald Distillery Co. 332,131; Feb. 4; Serial No. 370,733; published Dec. 3, 1935.
Whisky, Scotch. Fraser Macdonald Distillery Co. 332,189; Feb. 4; Serial No. 361,066; published Apr. 23, 1935.

CLASS 50

Photo engraved half-tone plates. Green Bay Engraving Company. 332,122; Feb. 4; Serial No. 369,056; published Nov. 26, 1935.
Piece goods treated by a special process to render the same water repellant or waterproof. Durst Manufacturing Company. 332,161; Feb. 4; Serial No. 361,599; published Nov. 26, 1935.

LIST OF LABELS

Allo's Cremoss. For a Preparation for the Treatment of Coughs, Colds, Whooping Cough, Bronchitis, Bronchial Irritations, Croup, and Hoarseness. I. Allo. 47,002; Feb. 4.
Ana-Mal Balm. For Ointment for Dogs, Cats, and All Animals, Used in Treatment of the Skin, Dry Forms of Eczema and Sarcoptic Mange. E. M. Pray. 47,016; Feb. 4.
Crusader. For Motor Oil. Crusader Oil Corporation. 47,003; Feb. 4.
Crystal Lake. For Alcohol. Los Angeles Brewing Co. 47,007; Feb. 4.
Day & Night Face Powder. For Face Powder. M. G. Neumann. 47,010; Feb. 4.
Honey-Krust. For Bread. Grocers Baking Company. 47,004; Feb. 4.
Kentucky Turnpike. For Straight Bourbon Whisky. Los Angeles Brewing Co. 47,005; Feb. 4.
Kleen-U Pills. For Laxative Pills or Tablets. M. G. Neumann. 47,011; Feb. 4.
Laura Bob Pins. For Bob Pins. C. K. Thun. 47,018; Feb. 4.
Larabees. For a Preparation in Liquid Form used in Removing Dandruff Accumulations, Restoring Color to the Hair, Keeping Hair at Shade Desired and Scalp in Good Condition. E. M. Pray. 47,015; Feb. 4.
Mack's Superior Body and Muscle Searchers. For a Preparation for the External Treatment of Colds in Various Parts of the Body and Rheumatic Pains. O. H. McNesser. 47,006; Feb. 4.
Old Maryland. For Straight Rye Whisky. Los Angeles Brewing Co. 47,006; Feb. 4.

Oyster Stew. For Canned Oyster Stew. Padilla Point Oyster Company. 47,014; Feb. 4.
Pressing Oil. For Pressing Oil. M. G. Neumann. 47,012; Feb. 4.
Taps "Last Call". For a Preparation for Killing Snails and for the Control of Slugs, Sowbugs, Grasshoppers, Earwigs, and Cutworms. Pacific Guano Company. 47,013; Feb. 4.
Wakers. For Tablets for Drowsy Drivers. J. B. Suffern. 47,017; Feb. 4.
White Rose Hand Lotion. For Hand Lotion. M. G. Neumann. 47,009; Feb. 4.

LIST OF PRINTS

No Smoking Not Even Aromas. For Cigarettes. L. R. Bamberger. 15,567; Feb. 4.
1168R. For Dental Cream. Kolynos Company. 15,569; Feb. 4.
While They Last Free! Shirley Temple Child's Mug. For Biscuit Flour. General Mills, Inc. 15,568; Feb. 4.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF FEBRUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ames, Adelbert, Jr., and G. H. Gibbon, assignors to Trustees of Dartmouth College, Hanover, N. H. Optical measuration method and instrument. 19,841; Feb. 4.

Bonhôte, Gérald. (See de Montmollin, G., Dannser, Bonhôte and Johner.)

Dannser, Jacob. (See de Montmollin, G., Dannser, Bonhôte and Johner.)

Dartmouth College, Trustees of. (See Ames, A., Jr., and Gliddon, assignors.)

De Montmollin, Guillaume, J. Dannser, G. Bonhôte and H. Johner, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Unsulphonated diacylated diamines and making same. 19,843; Feb. 4.

Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Mechanism for knitting full-fashioned hosiery. 19,843; Feb. 4.

Gliddon, Gordon H. (See Ames, A., Jr., and Gliddon.)

Hoover Company, The. (See Kitto, William H.)

Johner, Hans. (See de Montmollin, G., Dannser, Bonhôte and Johner.)

Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 19,844; Feb. 4.

Miller, Herbert R., assignor to Utilities Service Company, Inc., Allentown, Pa. Guy wire protector. 19,845; Feb. 4.

Ronning, Adolph, and A. G. Ronning, deceased, by J. and A. Ronning, joint executors; said A. and A. G. Ronning, assignors to Ronning Machinery Company, Minneapolis, Minn. Combination tractor grader. 19,846; Feb. 4.

Ronning, Andreas G. (See Ronning, Adolph and A. G.)

Ronning, Jacob. (See Ronning, Adolph and A. G.)

Ronning Machinery Company. (See Ronning, Adolph and A. G., assignors.)

Society of Chemical Industry in Basle. (See de Montmollin, G., Dannser, Bonhôte, and Johner, assignors.)

Springer, Ray W., Detroit, Mich. Antiqueak strip. 19,847; Feb. 4.

Textile Machine Works. (See Gastrich, Gustav, assignor.)

Utilities Service Company. (See Miller, Herbert R., assignor.)

LIST OF DESIGN PATENTEES

Aldrich, Ralph N., assignor to Standard Stations, Inc., San Francisco, Calif. Service station. 98,470; Feb. 4.

Ammen, William W., Wyndmoor, assignor to Quaker City Iron Works, Philadelphia, Pa. Tank vehicle. 98,471; Feb. 4.

Back, Robert, assignor to The Wah Company, Chicago, Ill. Mechanical lead pencil. 98,414; Feb. 4.

Bagur, Pierre R., New Orleans, La. Box. 98,472; Feb. 4.

Bancroft-Walker Co. (See McGee, Joseph, assignor.)

Basick Company, The. (See Martin, Raymond H., assignor.)

Baum, Charles, Woodmere, N. Y. Dress. 98,415; Feb. 4.

Birnbaum, Leon, New York, N. Y. Lace. 98,452; Feb. 4.

Brockmeyer, Nettie M., University City, Mo. Butter dish. 98,473; Feb. 4.

Brown & Bigelow. (See Treller, Martin R., assignor.)

Carr-Lowrey Glass Co. (See Miller, William H., assignor.)

Clark, Jeddia B., assignor to Indiana Glass Company, Dunkirk, Ind. Bowl. 98,453; Feb. 4.

Conradsen, Eleanor, Los Angeles, Calif. Manicurist kit. 98,454; Feb. 4.

Crosley, Powel, Jr., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Combined loudspeaker support and baffle. 98,416; Feb. 4.

Crosley Radio Corporation, The. (See Crosley, Powel, Jr., assignor.)

Crown Cork & Seal Company. (See McManus, Charles H., assignor.)

Daum, Charles, Forest Hills, N. Y. Tray for fruits, vegetables or the like. 98,417; Feb. 4.

De Hart, George C., Los Angeles, Calif. Trophy cup. 98,418; Feb. 4.

Deline, Irving A., Denver, Colo. Multiple candy box. 98,419; Feb. 4.

De Mascolo, Mario H., assignor to Societe Anonyme Scherick, Paris, France. Bottle. 98,455; Feb. 4.

Deskey, Donald, New York, N. Y., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Drinking tumbler. 98,420; Feb. 4.

Deskey, Donald, New York, N. Y., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Tumbler. 98,421; Feb. 4.

Deskey, Donald, New York, N. Y., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Sherbet glass. 98,422; Feb. 4.

Douglass, Forrest G., Los Angeles, Calif., assignor to Vibex Company Limited. Combined portable motor and enclosed switch. 98,423; Feb. 4.

Ekonin, Aaron, Brooklyn, N. Y. Clock dial or similar article. 98,424; Feb. 4.

Emmey, Charles, New York, N. Y. Appliqué emblem or similar article for wearing apparel. 98,425; Feb. 4.

Farmer, Edward R., St. Johnsbury, Vt. Garment hanger. 98,474; Feb. 4.

Fuerst, Brooks D., Toledo, Ohio, assignor to Glaser Crandall Company, Chicago, Ill. Bottle. 98,426; Feb. 4.

Gass, Paul H., New York, N. Y. Combined bottle and stopper. 98,427; Feb. 4.

Gibbs & Company. (See Taylor, Charles F., assignor.)

Glaser Crandall Company. (See Fuerst, Brooks D., assignor.)

Goldberg, Julius A., Chicago, Ill. Shoe or similar article. 98,428; Feb. 4.

Goldberg, Julius A., Chicago, Ill. Shoe or similar article. 98,429; Feb. 4.

Goldberg, Julius A., Chicago, Ill. Shoe or similar article. 98,430; Feb. 4.

Goldberg, Julius A., Chicago, Ill. Shoe or similar article. 98,431; Feb. 4.

Goldberg, Julius A., Chicago, Ill. Shoe or similar article. 98,432; Feb. 4.

Grand Rapids Metalcraft Corporation. (See Visser, John, assignor.)

Guth, Stern & Co. (See Osterman, Samuel, assignor.)

Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Doily. 98,456; Feb. 4.

Haynes, Charles F., Fort Worth, Tex. Electric fan. 98,457; Feb. 4.

Haywood, William R., White Plains, N. Y. Textile fabric. 98,483; Feb. 4.

Hoffmann, Wolfgang, Batavia, assignor to The Howell Company, St. Charles, Ill. Table. 98,434; Feb. 4.

Holstein, Frank F., Chicago, Ill. Lighting fixture. 98,475; Feb. 4.

Holtz, Herbert, Haverhill, Mass. Shoe. 98,435; Feb. 4.

Holtz, Herbert, Haverhill, Mass. Shoe. 98,436; Feb. 4.

Howell Company, The. (See Hoffmann, Wolfgang, assignor.)

Huber, Otto K., Reading, assignor to The Narrow Fabric Company, West Reading, Pa. Stocking. 98,476; Feb. 4.

Illinios Watch Case Company. (See Wewetzer, Albert, assignor.)

Indiana Glass Company. (See Clark, Jeddia B., assignor.)

Isaacs, Harry E., Baltimore, Md. Breeches. 98,437; Feb. 4.

Jensen, Gustav B., New York, N. Y. Radio cabinet. 98,477; Feb. 4.

Kelsey-Hayes Wheel Company. (See Sinclair, Charles W., assignor.)

Kosak, Helen B., New York, N. Y., assignor to Laird, Schober Company, Inc., Philadelphia, Pa. Shoe. 98,438; Feb. 4.

Laird, Schober Company. (See Kosak, Helen B., assignor.)

Libbey Glass Manufacturing Company, The. (See Deskey, Donald, assignor.)

Lobel, Helen, New York, N. Y. House coat. 98,478; Feb. 4.

Logan, William H., Louisville, Ky. Glider. 98,458; Feb. 4.

Marathon Electric Manufacturing Corporation. (See Wall, James J., assignor.)

Martin, Raymond H., assignor to The Basick Company, Bridgeport, Conn. Drawer pull. 98,439; Feb. 4.

Martin, Raymond H., assignor to The Basick Company, Bridgeport, Conn. Drawer pull. 98,440; Feb. 4.

Martin, Raymond H., assignor to The Basick Company, Bridgeport, Conn. Drawer pull. 98,441; Feb. 4.

Martin, Raymond H., assignor to The Basick Company, Bridgeport, Conn. Drawer pull. 98,442; Feb. 4.

Maurer, Clarence D., assignor to The Narrow Fabric Company, West Reading, Pa. Elastic fabric. 98,479; Feb. 4.

Maurer, Clarence D., assignor to The Narrow Fabric Company, West Reading, Pa. Elastic fabric. 98,480; Feb. 4.
Maurer, Clarence D., assignor to The Narrow Fabric Company, West Reading, Pa. Elastic fabric. 98,481; Feb. 4.
Maurer, Clarence D., assignor to The Narrow Fabric Company, West Reading, Pa. Elastic fabric. 98,482; Feb. 4.
Maurer, Clarence D., assignor to The Narrow Fabric Company, West Reading, Pa. Elastic fabric. 98,483; Feb. 4.
McCloud, Edward H. (See Pixley, M. A., and McCloud.)
McGee, Joseph, New York, N. Y., assignor to Bancroft-Walker Co., Waltham, Mass. Shoe. 98,443; Feb. 4.
McManus, Charles E., Spring Lake, N. J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Metal bottle. 98,444; Feb. 4.
McManus, Charles E., Spring Lake, N. J., assignor to Crown Cork & Seal Company, Baltimore, Md. Metal bottle. 98,445; Feb. 4.
Miller, William H., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 98,459; Feb. 4.
Milwaukee Lace Paper Company. (See Hamilton, Kenneth C., assignor.)
Montgomery Ward & Co. (See Prall, Bert R., assignor.)
Narrow Fabric Company, The. (See Huber, Otto E., assignor.)
Narrow Fabric Company, The. (See Maurer, Clarence D., assignor.)
Osterman, Samuel, New York, N. Y., assignor to Guth, Stern & Co., Inc. Flash lamp or similar article. 98,446; Feb. 4.
Pickop, George B., New Haven, Conn. Vibrator body. 98,480; Feb. 4.
Pixley, Milton A., and E. H. McCloud, Columbus, Ohio. Supplementary meter casing. 98,447; Feb. 4.
Prall, Bert R., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Tire. 98,448; Feb. 4.
Quaker City Iron Works. (See Ammen, William W., assignor.)
Randall, Arthur O., Miami, Fla., assignor to Randall Holding Corp., Carburetor or similar article. 98,449; Feb. 4.
Randall Holding Corp. (See Randall, Arthur O., assignor.)
Rieser Company, The. (See Wandel, Kurt, assignor.)
Silk, Louis A. & Company. (See Waterfield, James, assignor.)
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 98,461; Feb. 4.
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 98,462; Feb. 4.
Societe Anonyme Scherick. (See De Mascolo, Marie R., assignor.)
Spanel, Abraham N., Rochester, N. Y. Baby pants. 98,450; Feb. 4.
Spanel, Abraham N., Rochester, N. Y. Baby pants. 98,463; Feb. 4.
Standard Stations, Inc. (See Aldrich, Ralph N., assignor.)
Stern, Irving H., Boston, Mass. Combined dresser cabinet and bureau or the like. 98,464; Feb. 4.
Taylor, Charles F., Chicago, Ill., assignor to Gibbs & Company. Hair drying apparatus. 98,464; Feb. 4.
Travis, John M., St. Louis, Mo. Beverage dispensing device. 98,465; Feb. 4.
Trollen, Martin E., assignor to Brown & Bigelow, St. Paul, Minn. Combined bottle cap and opener. 98,456; Feb. 4.
Ulmer, William R., Pottsville, Pa. Combined cigarette holder and ash receiver. 98,465; Feb. 4.
Viber Company Limited. (See Douglass, Forrest G., assignor.)
Visser, John, assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich. Combined face panel and bezel for ash receivers. 98,466; Feb. 4.
Wahl Company, The. (See Beck, Robert, assignor.)
Wall, James J., assignor to Marathon Electric Manufacturing Corporation, Wausau, Wis. Fan bracket. 98,467; Feb. 4.
Wandel, Kurt, assignor to Rieser Company, Inc., New York, N. Y. Combined carton and towel display. 98,468; Feb. 4.
Waterfield, James, Philadelphia, Pa., assignor to Louis A. Silk & Company, Inc., New York, N. Y. Lace. 98,457; Feb. 4.
Wewetzer, Albert, assignor to Illinois Watch Case Company, Elgin, Ill. Vanity case. 98,458; Feb. 4.
Wiener, Joseph D., New York, N. Y. Lace. 98,469; Feb. 4.
Wright, Harland F., New York, N. Y. Buckle. 98,461; Feb. 4.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF FEBRUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrams, Armand J. (See Curtis, H. A., and Abrams.)
Adams, James L., Jr., Youngstown, Ohio. Metal rolling mill. 2,029,751; Feb. 4.
Agfa Ansco Corporation. (See Meiser, Georg, assignor.)
Aktiebolaget Nomy. (See Wallgren, A. G. F., and Jansson, assignors.)
Aktiebolaget-Spontan. (See Andersson, Nils F., assignor.)
Aktiebolaget Transiteria. (See Ljungström, Erik, assignor.)
Aktiebolaget Transiteria. (See Ljungström, E., and Olsson, assignors.)
Albert, Ralph K., assignor to Howell Electric Motors Company, Howell, Mich. Condenser. 2,029,580; Feb. 4.
Alexander, John W., Clarendon, Va. Fire alarm. 2,029,402; Feb. 4.
Allgemeine Elektricitats-Gesellschaft. (See Schubert, Paul, assignor.)
Allis-Chalmers Manufacturing Company. (See Peter, Charles, assignor.)
Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Method and apparatus for heating fluids. 2,029,291; Feb. 4.
Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Heating fluids and apparatus therefor. 2,029,292; Feb. 4.
Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,029,293; Feb. 4.
Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,029,294; Feb. 4.
Altorfer, Henry W., Peoria, Ill. Ironing machine cabinet. 2,029,283; Feb. 4.
Aluminum Company of America. (See Norton, A. B., and Guyot, assignors.)
Aluminum Company of America. (See Tumplin, Richard L., assignor.)
American Air Filter Company. (See Birkholz, Hans H., assignor.)
American Can Company. (See Ball, Charles O., assignor.)
American Can Company. (See Hoffman, Edmund, assignor.)
American Car and Foundry Company. (See Griffin, William T., assignor.)
American Chain Company. (See Bloecher, William H., Jr., assignor.)
American Cyanamid & Chemical Corporation. (See Jaeger, Alphons O., assignor.)
American Electric Fusion Corporation. (See von Henke, Edmund J., assignor.)
American Engineering Company. (See Bennett, Joseph S., assignor.)
American Engineering Company. (See Keene, Charles V., assignor.)
American Engineering Company. (See Link, Harry W., assignor.)
American Flange & Manufacturing Company. (See Sample, F. W., and Rose, assignors.)
American Laundry Machinery Company, The. (See Haney, Angus F., assignor.)
American Largi Corporation. (See Kolb, Viktor, assignor.)
American Magnesium Metals Corporation. (See Hanagirg, Fritz, assignor.)
American Screw Company. (See Reddy, Vincent J., assignor.)
American Smelting and Refining Company. (See Lindner, Karl A., assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Telephone and Telegraph Company. (See Green, Estill I., assignor.)
American Telephone and Telegraph Company. (See Green, E. I., and Leibe, assignors.)
American Zirconium Corporation. (See Little, William T., assignor.)
Amity Leather Products Co. (See Wehner, Heinz, assignor.)
Anderson, Howard P., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive tender. 2,029,295; Feb. 4.
Anderson, Louis A., Somerville, Mass. Holder. 2,029,317; Feb. 4.
Anderson, Lynn T., East Orange, N. J., and F. K. Low, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,029,[illegible]; Feb. 4.
Anderson, Swan F., Rockford, Ill. Combined mixing and capping machine. 2,029,[illegible]; Feb. 4.
Andersson, Nils F., Bromma, assignor to Aktiebolaget Spontan, Stockholm, Sweden. Internal combustion engine. 2,029,602; Feb. 4.
Andreas, Arno, Munster, Germany. Device for conveying finely divided material. 2,029,403; Feb. 4.
Andrews, George H., Yonkers, assignor to The Spool Cotton Company, New York, N. Y. Display device. 2,029,603; Feb. 4.
Andrews, Joseph B., Jr., Newport, Ky. Gutter attachment for ventilating windows of motor vehicles. 2,029,978; Feb. 4.
Angus, Leslie A., Owosso, Mich., assignor to Semet Solvay Engineering Corporation, New York, N. Y. Carburetted water gas process. 2,029,850; Feb. 4.
Anker-Werke Aktiengesellschaft. (See Jacob, Max, assignor.)
Apex Electrical Manufacturing Company, The. (See Frantz, Paul E., assignor.)
Appelberg, Friedrich, Bochum, assignor to Gebruder Eickhoff, Maschinenfabrik und Eisengiesserie, Bochum, Germany. Shaking conveyer. 2,029,805; Feb. 4.
Appleton Electric Company. (See Turnblom, Nils A., assignor.)
Archer Rubber Company. (See Gowdy, William F., assignor.)
Arfsten, Newton, assignor of one-fifth to K. Pohl, one-half to P. W. Buchhart, New York, and one-fifth to Franz Borchmann, Little Neck, Long Island, N. Y. Method and apparatus for producing stereoscopic effects. 2,029,500; Feb. 4.
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Fluid heater. 2,029,284; Feb. 4.
Armstrong, Edward W. (See Rapaport, N., Armstrong, and Hutchinson.)
Arvin, James A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Product and preparing same. 2,029,851; Feb. 4.
Atchison Revolving Door Co., The. (See Luke, Leo C., assignor.)
Austin, Oliver V., Hattiesburg, Miss. Fertiliser production from sewage. 2,029,648; Feb. 4.
Auto Research Corporation. (See Kocher, Edward H., assignor.)
Automatic Burner Corporation. (See Schroeder, O. C., and Perry, assignors.)
Ayres, Eugene E., Pittsburgh, Pa., assignor to Gulf Research & Development Corporation, Wilmington, Del. Reducing water flow in oil wells. 2,029,649; Feb. 4.
Bake, Louis S., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing tetra alkyl lead. 2,029,801; Feb. 4.
Baker, Robert M., Toledo, Ohio. Temperature control device for furnaces. 2,029,551; Feb. 4.
Balfe, George T., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich. Gasket and gasket material. 2,029,802; Feb. 4.
Ball, Charles O., River Forest, Ill., assignor to American Can Company, New York, N. Y. Apparatus for and method of canning. 2,029,803; Feb. 4.
Balsiger, Harold E. (See Steimer, A. F., Wise, and Balsiger.)
Banner, Abraham, New York, N. Y. Reversible handbag. 2,029,908; Feb. 4.
Bannister, William J., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Esterification process. 2,029,694; Feb. 4.
Barco Manufacturing Co. (See Bard, F. N., Charles, and Gray, assignors.)
Bard, Charles T., Norwich, Conn. Automatic ball closing fitting. 2,029,019; Feb. 4.
Bard, Francis M., Highland Park, C. L. Charles, Chicago, and T. C. Gray, Evanston, Ill., assignors to Barco Manufacturing Co., Chicago, Ill. Reverse gear. 2,029,404; Feb. 4.
Barnes, John B., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of petroleum. 2,029,752; Feb. 4.
Barney, Freeman. (See Lee, J. B., Gylleck, and Barney.)
Barney, Freeman. (See Lee, James B. and J. W., Gylleck, and Barney.)
Barnhart, George E., Pasadena, Calif. Method and machine for making tapered tubes. 2,029,552; Feb. 4.
Baroni, Guido B., Woodcliff, N. J. Dishwashing apparatus. 2,029,695; Feb. 4.
Barrett Company, The. (See Dawson, Pierre, assignor.)
Barrett Company, The. (See Gallaher, Alvan H., assignor.)
Barrett Company, The. (MacCubbin, A. A., and Zaverthal, Jr., assignors.)
Bartley, John G. (See Hunter, G. J., and Bartley.)
Bartnett, Arnold G., Oakmont, and E. L. Hadlow, Wynnewood, Pa., assignors to J. Edwards & Co., Philadelphia, Pa. Shoe fitting insert. 2,029,[illegible]; Feb. 4.
Bateman, Arthur T. (See Hoobler, S. J., Bateman, and Irvine.)

Bayer, Joseph, Ludwigshafen-on-the-Rhine, A. Haltmeier, Cologne, and K. Hencky, Leverkusen, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Carrying out exothermic catalytic gas reactions. 2,029,604; Feb. 4.

Bassoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 2,029,304; Feb. 4.

Bassoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 2,029,305; Feb. 4.

Beadle, Lynn C., assignor of one-half to K. B. Segall, Detroit, Mich. Float control. 2,029,405; Feb. 4.

Beardmore, Herbert F., Oklahoma City, Okla., assignor of one-half to Indian Territory Illuminating Oil Company, Bartlesville, Okla. Apparatus for flowing wells. 2,029,457; Feb. 4.

Beardsley, Wilson H., Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y. Refining of South Texas lubricating oil. 2,029,605; Feb. 4.

Bearings Company of America. (See Schubert, Frank, assignor.)

Beaver Manufacturing Company. (See Hartmann, Poul D., assignor.)

Beck, Adolf. (See Schmidt, W., and Beck.)

Beckwith, Charles J., Brooklyn, assignor to Johns-Manville Corporation, New York, N. Y. Reenforced insulating roof slab. 2,029,352; Feb. 4.

Beckwith, Lawton B. (See Bray, U. B., and Beckwith.)

Beckwith, Lawton B. (See Bray, U. B., Beckwith, and Scott.)

Bell, Cornelia M. (See Schmitt, R. M., and Bell.)

Bell Telephone Laboratories, Incorporated. (See Anderson, L. T., and Low, assignors.)

Bell Telephone Laboratories, Incorporated. (See Bode, Hendrik W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bowne, Langford J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Field, Joseph C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Johnson, L. H., and Low, assignors.)

Bell Telephone Laboratories, Incorporated. (See Mallina, Rudolph F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Stokely, Ray L., assignor.)

Bendix Brake Company. (See Dodge, Adiel Y., assignor.)

Bennett, Geoffrey R., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Composite structure. 2,029,906; Feb. 4.

Bennett, John M., Detroit, Mich. Key holder. 2,029,696; Feb. 4.

Bennett, Joseph S., Merion, assignor to American Engineering Company, Philadelphia, Pa. Furnace. 2,029,285; Feb. 4.

Bennett, Stanley Q., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,029,907; Feb. 4.

Bent, Quincy, Friedensville, and E. F. Kenney, Bethlehem, Pa., assignors to Bethlehem Steel Company. Process and apparatus for rail handling and treatment. 2,029,286; Feb. 4.

Berg, Herman, assignor to The Kelly Reamer Company, Cleveland, Ohio. Boring tool. 2,029,458; Feb. 4.

Berggren, Charles W., Brooklyn, N. Y. Pump and compressor. 2,029,554; Feb. 4.

Bergman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company. Tool for lapping valve seats. 2,029,753; Feb. 4.

Bergqvist, Abe. (See Seving, F. W., Bergqvist, and Olsson.)

Berndt, Edward C. (See Creighton, H. M., and Berndt.)

Bernheim, Roger, Besons, France, assignor to Le Film Ozaphane Société Anonyme. Photographic film. 2,029,979; Feb. 4.

Bertele, Ludwig, Dresden, assignor to the firm Carl Zeiss, Jena, Germany. Objective. 2,029,806; Feb. 4.

Besag, Ernst, Baden-Baden, Germany. Releasing arrangement for electric switches. 2,029,980; Feb. 4.

Best, John H. & Sons, Inc. (See Best, Leon H., assignor.)

Best, Leon H., assignor to John H. Best & Sons, Inc., Galva, Ill. Lighter. 2,029,697; Feb. 4.

Bethlehem Shipbuilding Corporation, Ltd. (See Frear, Hugo P., assignor.)

Bethlehem Steel Company. (See Bent, Q., and Kenney, assignors.)

Betz, William, Detroit, Mich. Drill jig. 2,029,650; Feb. 4.

Beust, Cecil J. (See Mathews, G. W., and Beust.)

Bickford, Herbert A., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Machine for attaching articles to other objects. 2,029,859; Feb. 4.

Biersdorf, Herman E., et al. (See Minott, David L., assignor.)

Biggers, Boyd. (See Howard, J. R., and Biggers.)

Bilhuber, E., Inc. (See Schmidt, Karl F., assignor.)

Binks Manufacturing Company. (See Brameen, S., Wahlin, and Gustafson, assignors.)

Binks Manufacturing Company. (See Gustafson, Eric, assignor.)

Birkbolz, Hans E., assignor to America Air Filter Company, Inc., Louisville, Ky. Air or gas filter unit. 2,029,406; Feb. 4.

Birky, Walter. (See Hathaway, R. F., and Birky.)

Black, Willy, Hanover, assignor to F. Kruchenberg and C. Rudefeld, Hanover, Germany. Transmission gear. 2,029,981; Feb. 4.

Bleecker, William H., Jr., Mount Lebanon, Pa., assignor, by mesne assignments, to American Chain Company, Inc. Display sign. 2,029,908; Feb. 4.

Bliss, Lyman A., assignor to The Linde Air Products Company, New York, N. Y. Liquid trapping device. 2,029,852; Feb. 4.

Blumberg, Harry E., assignor to M. W. Kellogg Company, New York, N. Y. Heat treating welded containers. 2,029,807; Feb. 4.

Blume, George F., Philadelphia, Pa. Roll for clothes wringers. 2,029,459; Feb. 4.

Blumental, Benjamin, Youngstown, Ohio. Display stand. 2,029,407; Feb. 4.

Blumenthal, Sidney, & Co. (See Ferguson, D., and Schell, assignors.)

Bode, Hendrik W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 2,029,696; Feb. 4.

Bohn Aluminum and Brass Corporation. (See Boshkoff, R. J., Bateman, and Irvine, assignors.)

Boller, Peter, Machine Works. (See Boller, William N., assignor.)

Boller, William N., Oak Park, assignor to Peter Boller Machine Works, Chicago, Ill. Mechanism for brakes and clutches. 2,029,287; Feb. 4.

Bonney-Floyd Company, The. (See Gregg, A. W., and Frank, assignors.)

Borchmann, Franz, et al. (See Arfsten, Newton, assignor.)

Borg-Warner Corporation. (See Reed, Harold V., assignor.)

Born, Russell. (See Rosenbloom, L., and Born.)

Boruff, Clair S. (See Boswell, A. M., and Boruff.)

Bossart, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical amplifier. 2,029,854; Feb. 4.

Boston Wire Stitcher Company. (See Bickford, Herbert A., assignor.)

Bowles, Edward L., Wellesley Farms, Mass. Electric meter. 2,029,355; Feb. 4.

Bowne, Langford J., Howard Beach, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alarm system. 2,029,699; Feb. 4.

Boykow, Johann M., Berlin-Lichterfelde-West, assignor to Deutsche Luftfahrt-und Handels-Aktien-Gesellschaft, Berlin, Germany. Inclination responsive device for aircraft. 2,029,760; Feb. 4.

Brady, Thomas, West Caldwell, N. J. Drink vending machine. 2,029,440; Feb. 4.

Brameen, Svend, F. Wahlin, and E. Gustafsson, assignors to Binks Manufacturing Company, Chicago, Ill. Powder-spraying appliance. 2,029,408; Feb. 4.

Brand, Louis C., Ottawa, Ill. Arch support shoe. 2,029,409; Feb. 4.

Braund, John J., Washington, D. C. Embossing apparatus. 2,029,651; Feb. 4.

Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Petroleum resin. 2,029,288; Feb. 4.

Bray, Ulric B., Palos Verdes Estates, L. B. Beckwith, San Pedro, and F. S. Scott, assignors to Union Oil Company of California, Los Angeles, Calif. Asphalt-asbestos mastic and producing same. 2,029,289; Feb. 4.

Bray, Ulric B., Palos Verdes Estates, and L. B. Beckwith, San Pedro, assignors to Union Oil Company of California, Los Angeles, Calif. Asphalts and producing same. 2,029,290; Feb. 4.

Bredtschneider, Kurt, Dortmund, Germany. High pressure joint for pressure vessels. 2,029,608; Feb. 4.

Brenner, Frederick W., Philadelphia, Pa. Can punch. 2,029,607; Feb. 4.

Briede & Rogovsky, Inc. (See Templin, William, assignor.)

Brill, J. G., Company, The. (See Martin, Marvin G., assignor.)

Brown Company. (See Schur, Milton G., assignor.)

Brown, Elmo L., Asheville, N. C. Carburetor. 2,029,536; Feb. 4.

Brown, Frank. (See Ellis, G. H., and Brown.)

Brown-Lipe Gear Company, et al. (See Tower, Elmer V. J., assignor.)

Bruce, E. L., Company. (See Bruce, Frank E., assignor.)

Bruce, Frank E., assignor to E. L. Bruce Company, Memphis, Tenn. Wood floor. 2,029,808; Feb. 4.

Brune, Rudolf. (See Hagenbücker, A., and Brune.)

Brush, Chester E., Chicago, Ill., assignor to E. H. Scott. Remote control for radio receivers. 2,029,467; Feb. 4.

Bruynes, Johannes. (See de Boer, J. H., Bruynes, and Teves.)

Buchbert, P. William, et al. (See Arfsten, Newton, assignor.)

Buchman, Samuel, Pittsburgh, Pa. Pillow. 2,029,[illegible]; Feb. 4.

Buckley, Albert O., Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car truck side frame and bolster construction. 2,029,587; Feb. 4.

Buckley, James W., Weatherford, Tex. Electric [illegible]. 2,029,867; Feb. 4.

Budd, David B., Anchorville, Mich., and F. C. Beebe, Toledo, Ohio. Garden roller manufacture. 2,029,518; Feb. 4.

Buffalo Electro-Chemical Company. (See Clark, J. A., and Smolenz, assignors.)

Buffalo-Springfield Roller Co., The. (See Greiner, Carl F., assignor.)

Bull, William B., Pelham Manor, N. Y. Moving picture and sound cabinet. 2,029,306; Feb. 4.

Burch Corporation, The. (See Moss, Lester T., assignor.)

Burditt, Arthur K., Roselle Park, N. J. Soap pulverizer and dispenser. 2,029,701; Feb. 4.

Burke, Earl L., Warren, assignor to Republic Steel Corporation, Youngstown, Ohio. Packaging. 2,029,983; Feb. 4.

Burns, Erwin, Los Angeles, and H. P. Wickersham, Huntington Park, Calif. Well tool. 2,029,609; Feb. 4.

Boswell, Arthur M., and C. S. Boruff, Urbana, Ill. Digestion of industrial wastes. 2,029,762; Feb. 4.

Buttfield, Alfred C., North Plainfield, and E. W. Muller, Bewaren, N. J., assignors to The Vulcan Detinning Company. Baling press. 2,029,984; Feb. 4.

Byrnes, Clarence P. (See James, Joseph H., assignor.)

California Spray-Chemical Corporation. (See Parker, William B., assignor.)

Campanella, Vito, New York, N. Y. Carburetor. 2,029,553; Feb. 4.

Campbell, Harry B., Baltimore, Md., and A. Sargent, Bronxville, assignors to Campbell Metal Window Corporation, New York, N. Y. Window ventilator. 2,029,610; Feb. 4.

Campbell, Lee R., Hazel Park, Mich. Method and apparatus for manufacturing products by subjecting a material to relatively high temperatures. 2,029,807; Feb. 4.

Campbell Metal Window Corporation. (See Campbell, H. B., and Sargent, assignors.)

Cannity, Ernest, assignor to The James Hunter Machine Company, North Adams, Mass. Automatic variable speed drive for textile machines. 2,029,554; Feb. 4.

Capps, Emmit B. (See Capps, Joseph W., assignor.)

Capps, Joseph W., Portales, New Mexico, assignor of one-half to Emmit Sidney Capps, Pecos, Tex. Cultivator attachment for tractors. 2,029,682; Feb. 4.

Capps, Washington T., Baltimore, Md., assignor to The Standard Stoker Company, Incorporated. Stoker. 2,029,519; Feb. 4.

Carbaugh, Conrad A., Fulton County, Pa. Hanger for eaves troughs. 2,029,462; Feb. 4.

Carey, William J., Cleveland Heights, Ohio. Pump or motor. 2,029,520; Feb. 4.

Carlsen, Iver G., Rosebank, N. Y. Igniting device. 2,029,356; Feb. 4.

Carothers, Wallace H., Fairville, Pa., A. M. Collins, and J. E. Kirby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical products and processes for producing same. 2,029,410; Feb. 4.

Cassell, Joseph L., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Automatic radio receiving apparatus. 2,029,909; Feb. 4.

Causey, Daniel W., Norfolk, Va. Shade protector. 2,029,308; Feb. 4.

Celanese Corporation of America. (See Ellis, G. H., and Brown, assignors.)

Central United National Bank, as trustee. (See Wheelwarger, Albert E., assignor.)

Chadeloid Chemical Company. (See Ellis, Carleton, assignor.)

Challenge Machinery Company, The. (See Lee, J. H., Gylleck, and Barney, assignors.)

Challenge Machinery Company, The. (See Lee, James H. and J. W., Gylleck, and Barney, assignors.)

Chalmers, George W., Summit, Ill., assignor to International Patents Development Company, Wilmington, Del. Can feeding apparatus. 2,029,580; Feb. 4.

Chambers, Cornelius, Shirley, Birmingham, England. Apparatus for washing drinking vessels. 2,029,355; Feb. 4.

Charles, Carl L. (See Bard, F. N., Charles, and Over.)

Chazan, Saul H., Rochester, N. Y. Display device. 2,029,663; Feb. 4.

Chemical Construction Corporation. (See Christensen, Axel, assignor.)

Chewning, Walter L., Cynwyd, assignor to United Engineers & Constructors Inc., Philadelphia, Pa. Disk filter. 2,029,611; Feb. 4.

Chicago Metallic Manufacturing Company. (See Langel, Adrian L., assignor.)

Chicago Pump Company. (See Durdin, Augustus C., Jr., assignor.)

Childs, Henry R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Thread fluid treating device. 2,029,910; Feb. 4.

Christensen, Axel, Rye, N. Y., assignor to Chemical Construction Corporation. Regenerating absorbent liquids. 2,029,411; Feb. 4.

Chrysler, William A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Fluid flow control device. 2,029,397; Feb. 4.

Clapp, James K., Auburndale, assignor to General Radio Company, Cambridge, Mass. Electromechanical vibrator. 2,029,358; Feb. 4.

Clark, George J. J. (See Fred, E., and Clark.)

Clark, Harold W., assignor to The McCaskey Register Company, Alliance, Ohio. Receipt control [illegible]. 2,029,784; Feb. 4.

Clark, James A., Poughkeepsie, N. Y., and H. G. Smolenz, Upper Darby, Pa., assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Bleaching. 2,029,986; Feb. 4.

Clark, John A., assignor to Manton-Gaulin Manufacturing Company, Inc., St. Johnsbury, Vt. Packing for homogenizers. 2,029,463; Feb. 4.

Claude, André, Nanterre, France. Electric lighting apparatus. 2,029,986; Feb. 4.

Cleveland Automatic Machine Company, The. (See Ruppel, Harry W., assignor.)

Cleveland Heater Company, The. (See Craver, Albert F., assignor.)

Cohen, Isidor, Brooklyn, N. Y. Refrigerator door construction. 2,029,755; Feb. 4.

Colbert, William H., Breckenridge, Pa., assignor to Liberty Mirror Works. Rear view mirror. 2,029,911; Feb. 4.

Coleman, Alfred E., Corvallis, Oreg. Finger ring. 2,029,464; Feb. 4.

Collette, Antoinette D., Winnetka, Ill. Table covering. 2,029,856; Feb. 4.

Collins & Aikman Corporation. (See Hiers, Glen S., assignor.)

Collins & Aikman Corporation. (See Kaufman, Frank M., assignor.)

Collins, Arnold M. (See Carothers, W. H., Collins, and Kirby.)

Collins, Arthur E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for shirring rubber articles. 2,029,859; Feb. 4.

Colomb, Henri, Tavannes, Switzerland. Watch movement for fancy watches. 2,029,559; Feb. 4.

Commercial Solvents Corporation. (See Bannister, William J., assignor.)

Compagnie Generale de Telegraphie Sans Fil. (See Lucas, René, assignor.)

Comprex Oscillator Corp. (See Kleine, Arnold, assignor.)

Concrete Engineering Company. (See Ochiltree, Ned A., assignor.)

Connolly, William F., Farley, and W. F. Yeoman, Monticello, Iowa. Jar lifter. 2,029,809; Feb. 4.

Connolly, William F., Farley, and W. F. Yeoman, Monticello, Iowa. Jar holder. 2,029,810; Feb. 4.

Conradty, C. (See Conradty, Ottmar, assignor.)

Conradty, Ottmar, assignor to C. Conradty, Nuremberg, Germany. Trolley system. 2,029,857; Feb. 4.

Cooke, Horace B. (See Sperr, Frederick W., Jr., assignor.)

Cooling & Air Conditioning Corporation, The. (See Kayes, Robert E., assignor.)

Copland, Charles J., North Kansas City, Mo., assignor to International Patents Development Company, Wilmington, Del. Crystallization of dextrose. 2,029,860; Feb. 4.

Corbalogesellschaft m. b. H. (See Philipp, Robert B., assignor.)

Cosser, Frank, Finsbury Park, London, England. Sphygmomanometer bandage. 2,029,912; Feb. 4.

Couch, Glenn F., Rochester, assignor to The Symington Company, New York, N. Y. Journal box. 2,029,521; Feb. 4.

Couch, Hayden G., Grant, Fla. Dredge. 2,029,858; Feb. 4.

Coulson, Charles H., Hanover, Pa. Heel forming machine. 2,029,854; Feb. 4.

Coulter, Andrew C. L., Honolulu, Territory of Hawaii. Apparatus for straining sugar cane juice. 2,029,655; Feb. 4.

Cox, Gerald J., and M. L. Dodds, Pittsburgh, Pa., assignors, by mesne assignments, to Niacet Chemicals Corporation, New York, N. Y. Manufacture of esters of levulinic acid. 2,029,413; Feb. 4.

Cornell, Frank, Plainfield, N. J. Oil burner. 2,029,860; Feb. 4.

Craver, Albert F., Lakewood, assignor to The Cleveland Heater Company, Cleveland, Ohio. Electric water heater. 2,029,967; Feb. 4.

Creighton, Harry M., East Norwalk, and R. C. Berndt, Norwalk, assignors to The R. U. V. Engineering Corporation, South Norwalk, Conn. Active ray treating device. 2,029,612; Feb. 4.

Crompton & Knowles Loom Works. (See Vose, Lewis S., assignor.)

Cross, Wallace R., Detroit, Mich. Machine for salvaging carbons. 2,029,522; Feb. 4.

Crown Cork & Seal Company. (See Huntley, G. J., and Bartley, assignors.)

Crumrine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Camera latch. 2,029,913; Feb. 4.

Cunningham, Lewis L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Modulating electric valve. 2,029,465; Feb. 4.

Curtis, Harry A., Knoxville, Tenn., and A. J. Abrams, Colbert County, near Sheffield, assignors to Tennessee Valley Authority, Wilson Dam, Ala. Preparing phosphate charging stock. 2,029,809; Feb. 4.

Curtis, Leslie F., assignor to United American Bosch Corporation, Springfield, Mass. Tone compensated volume control. 2,029,[illegible]; Feb. 4.

Cutler-Hammer, Inc. (See Laabs, Eric H., assignor.)

Dabgin, William, New York, N. Y. Adjustable hand for flashlights. 2,029,861; Feb. 4.

Daemicke Company, The. (See Daemicke, Roland P., assignor.)

Bayer, Joseph, Ludwigshafen-on-the-Rhine, A. Haltzmeier, Cologne, and K. Hencky, Leverkusen, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Carrying out exothermic catalytic gas reactions. 2,029,604; Feb. 4.

Bassoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 2,029,304; Feb. 4.

Bassoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 2,029,305; Feb. 4.

Beadle, Lynn C., assignor of one-half to K. B. Segall, Detroit, Mich. Float control. 2,029,405; Feb. 4.

Beardmore, Herbert P., Oklahoma City, Okla., assignor of one-half to Indian Territory Illuminating Oil Company, Bartlesville, Okla. Apparatus for flowing wells. 2,029,457; Feb. 4.

Beardsley, Wilson H., Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y. Refining of South Texas lubricating oil. 2,029,605; Feb. 4.

Bearings Company of America. (See Schubert, Frank, assignor.)

Beaver Manufacturing Company. (See Hartmann, Povl D., assignor.)

Beck, Adolf. (See Schmidt, W., and Beck.)

Beckwith, Charles J., Brooklyn, assignor to Johns-Manville Corporation, New York, N. Y. Reenforced insulating roof slab. 2,029,352; Feb. 4.

Beckwith, Lawton B. (See Bray, U. B., and Beckwith.)

Beckwith, Lawton B. (See Bray, U. B., Beckwith, and Scott.)

Bell, Cornelia M. (See Schmitt, R. M., and Bell.)

Bell Telephone Laboratories, Incorporated. (See Anderson, L. T., and Low, assignors.)

Bell Telephone Laboratories, Incorporated. (See Bode, Hendrik W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bowne, Langford J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Field, Joseph C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Johnson, L. H., and Low, assignors.)

Bell Telephone Laboratories, Incorporated. (See Mallina, Rudolph F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Stokely, Ray L., assignor.)

Bendix Brake Company. (See Dodge, Adiel Y., assignor.)

Bennett, Geoffrey R., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Composite structure. 2,029,906; Feb. 4.

Bennett, John M., Detroit, Mich. Key holder. 2,029,696; Feb. 4.

Bennett, Joseph S., Merion assignor to American Engineering Company, Philadelphia, Pa. Furnace. 2,029,285; Feb. 4.

Bennett, Stanley Q., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,029,907; Feb. 4.

Bent, Quincy, Friedensville, and E. F. Kenney, Bethlehem, Pa., assignors to Bethlehem Steel Company. Process and apparatus for rail handling and treatment. 2,029,286; Feb. 4.

Berg, Herman, assignor to The Kelly Reamer Company, Cleveland, Ohio. Boring tool. 2,029,458; Feb. 4.

Berggren, Charles W., Brooklyn, N. Y. Pump and compressor. 2,029,554; Feb. 4.

Bergman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company. Tool for lapping valve seats. 2,029,753; Feb. 4.

Bergqvist, Abe. (See Seving, F. W., Bergqvist, and Olsson.)

Berndt, Edward C. (See Creighton, H. M., and Berndt.)

Bernheim, Roger, Bezons, France, assignor to Le Film Ozaphane Société Anonyme. Phonographic film. 2,029,979; Feb. 4.

Bertele, Ludwig, Dresden, assignor to the firm Carl Zeiss, Jena, Germany. Objective. 2,029,806; Feb. 4.

Besag, Ernst, Baden-Baden, Germany. Releasing arrangement for electric switches. 2,029,980; Feb. 4.

Best, John H. & Sons, Inc. (See Best, Leon H., assignor.)

Best, Leon H., assignor to John H. Best & Sons, Inc., Galva. Ill. Lighter. 2,029,697; Feb. 4.

Bethlehem Shipbuilding Corporation, Ltd. (See Frear, Hugo P., assignor.)

Bethlehem Steel Company. (See Bent, Q., and Kenney, assignors.)

Betz, William, Detroit, Mich. Drill jig. 2,029,650; Feb. 4.

Beust, Cecil J. (See Mathews, G. W., and Beust.)

Bickford, Herbert A., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Machine for attaching articles to other objects. 2,029,859; Feb. 4.

Biersdorf, Herman R., et al. (See Minott, Daniel L., assignor.)

Biggers, Boyd. (See Howard, J. R., and Biggers.)

Bilhuber, E., Inc. (See Schmidt, Karl F., assignor.)

Binks Manufacturing Company. (See Bramsen, S., Wahlin, and Gustafsson, assignors.)

Binks Manufacturing Company. (See Gustafsson, Eric, assignor.)

Birkbolz, Hans R., assignor to America Air Filter Company, Inc., Louisville, Ky. Air or gas filter unit. 2,029,406; Feb. 4.

Bixby, Walter. (See Hathaway, R. F., and Bixby.)

Black, Willy, Hanover, assignor to F. Kruckenberg and C. Brederfeld, Hanover, Germany. Transmission gear. 2,029,961; Feb. 4.

Bleecker, William H., Jr., Mount Lebanon, Pa., assignor, by mesne assignments, to American Chain Company, Inc. Display sign. 2,029,908; Feb. 4.

Bliss, Lyman A., assignor to The Linde Air Products Company, New York, N. Y. Liquid trapping device. 1,029,852; Feb. 4.

Blumberg, Harry S., assignor to M. W. Kellogg Company, New York, N. Y. Heat treating welded containers. 2,029,807; Feb. 4.

Blume, George F., Philadelphia, Pa. Roll for clothes wringers. 2,029,459; Feb. 4.

Blumental, Benjamin, Youngstown, Ohio. Display stand. 2,029,407; Feb. 4.

Blumenthal, Sidney, & Co. (See Ferguson, D., and Schell, assignors.)

Bode, Hendrik W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 2,029,686; Feb. 4.

Bohn Aluminum and Brass Corporation. (See Bashore, R. J., Bateman, and Irvine, assignors.)

Boller, Peter, Machine Works. (See Boller, William N., assignor.)

Boller, William N., Oak Park, assignor to Peter Boller Machine Works, Chicago, Ill. Mechanism for brake and clutches. 2,029,287; Feb. 4.

Bonney-Floyd Company, The. (See Green, A. W., and Frank, assignors.)

Borchmann, Franz, et al. (See Arfsten, Newton, assignor.)

Borg-Warner Corporation. (See Reed, Harold V., assignor.)

Born, Russell. (See Rosenbloom, I., and Born.)

Boruff, Clair S. (See Buswell, A. M., and Boruff.)

Boscart, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical amplifier. 2,029,354; Feb. 4.

Boston Wire Stitcher Company. (See Bickford, Herbert A., assignor.)

Bowles, Edward L., Wellesley Farms, Mass. Electric meter. 2,029,355; Feb. 4.

Bowne, Langford J., Howard Busch, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alarm system. 2,029,699; Feb. 4.

Boykow, Johann M., Berlin-Lichterfelde-West, assignor to Deutsche Luftfahrt-und Handels-Aktien-Gesellschaft, Berlin, Germany. Inclination responsive device for aircraft. 2,029,700; Feb. 4.

Brady, Thomas, West Caldwell, N. J. Drink vending machine. 2,029,460; Feb. 4.

Bramsen, Svend, F. Wahlin, and E. Gustafsson, assignors to Binks Manufacturing Company, Chicago, Ill. Powder-spraying appliance. 2,029,408; Feb. 4.

Brand, Louis C., Ottawa, Ill. Arch support shoe. 2,029,409; Feb. 4.

Braund, John J., Washington, D. C. Embossing apparatus. 2,029,651; Feb. 4.

Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Petroleum resin. 2,029,288; Feb. 4.

Bray, Ulric B., Palos Verdes Estates, L. B. Beckwith, San Pedro, and P. S. Scott, assignors to Union Oil Company of California, Los Angeles, Calif. Asphalt-asbestos mastic and producing same. 2,029,289; Feb. 4.

Bray, Ulric B., Palos Verdes Estates, and L. B. Beckwith, San Pedro, assignors to Union Oil Company of California, Los Angeles, Calif. Asphalts and producing same. 2,029,290; Feb. 4.

Bredtschneider, Kurt, Dortmund, Germany. High pressure joint for pressure vessels. 2,029,600; Feb. 4.

Brenner, Frederick W., Philadelphia, Pa. Can punch. 2,029,807; Feb. 4.

Briede & Rogevsky, Inc. (See Tompkin, William, assignor.)

Brill, J. G., Company, The. (See Martin, Marvin G., assignor.)

Brown Company. (See Scherr, Milton O., assignor.)

Brown, Elmo L., Asheville, N. C. Carburetor. 2,029,596; Feb. 4.

Brown, Frank. (See Ellis, G. H., and Brown.)

Brown-Lipe Gear Company, et al. (See Tower, Elmer V. J., assignor.)

Bruce, E. L., Company. (See Bruce, Frank E., assignor.)

Bruce, Frank E., assignor to E. L. Bruce Company, Memphis, Tenn. Wood floor. 2,029,808; Feb. 4.

Brune, Rudolf. (See Hagenbücker, A., and Brune.)

Brush, Chester E., Chicago, Ill., assignor to E. H. Scott. Remote control for radio receivers. 2,029,461; Feb. 4.

Bruynes, Johannes. (See de Boer, J. H., Bruynes, and Tevet.)

Buchbert, F. William, et al. (See Arfsten, Newton, assignor.)

Buchman, Samuel, Pittsburgh, Pa. Pillow. 2,029,698; Feb. 4.

Buckius, Albert O., Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car truck side frame and bolster construction. 2,029,962; Feb. 4.

Buckley, James W., Westhampton, Tex. Electric trap. 2,029,597; Feb. 4.

Budd, David B., Anchorville, Mich., and F. C. Sparks, Toledo, Ohio. Garden roller manufacture. 2,029,518; Feb. 4.

Buffalo Electro-Chemical Company. (See Clark, J. A., and Smolens, assignors.)

Buffalo-Springfield Roller Co., The. (See Greisser, Carl F., assignor.)

Bull, William R., Pelham Manor, N. Y. Moving picture and sound cabinet. 2,029,806; Feb. 4.

Burch Corporation, The. (See Horn, Lester T., assignee.)

Burditt, Arthur K., Roselle Park, N. J. Soap pulverizer and dispenser. 2,029,701; Feb. 4.

Burke, Earl L., Warren, assignor to Republic Steel Corporation, Youngstown, Ohio. Packaging. 2,029,643; Feb. 4.

Burns, Erwin, Los Angeles, and H. P. Winterburn, Huntington Park, Calif. Well tool. 2,029,609; Feb. 4.

Buswell, Arthur M., and C. S. Boruff, Urbana, Ill. Digestion of industrial wastes. 2,029,762; Feb. 4.

Battfield, Alfred C., North Plainfield, and R. W. Muller, Sewaren, N. J., assignors to The Vulcan Detinning Company. Baling press. 2,029,984; Feb. 4.

Byrnes, Clarence P. (See James, Joseph H., assignor.)

California Spray-Chemical Corporation. (See Parker, William B., assignor.)

Campanella, Vito, New York, N. Y. Carburetor. 2,029,868; Feb. 4.

Campbell, Harry R., Baltimore, Md., and A. Sargent, Bronxville, assignors to Campbell Metal Window Corporation, New York, N. Y. Window ventilator. 2,029,610; Feb. 4.

Campbell, Lee R., Hazel Park, Mich. Method and apparatus for manufacturing products by subjecting a material to relatively high temperatures. 2,029,977; Feb. 4.

Campbell Metal Window Corporation. (See Campbell, H. R., and Sargent, assignees.)

Cannity, Ernest, assignor to The James Hunter Machine Company, North Adams, Mass. Automatic variable speed drive for textile machines. 2,029,554; Feb. 4.

Cappa, Emmit B. (See Cappa, Joseph W., assignor.)

Cappa, Joseph W., Portales, New Mexico, assignor of one-half to Emmit Sidney Cappa, Texas, Tex. Cultivator attachment for tractors. 2,029,852; Feb. 4.

Cappa, Washington T., Baltimore, Md., assignor to The Standard Stoker Company, Incorporated. Stoker. 2,029,519; Feb. 4.

Carbaugh, Conrad A., Fulton County, Pa. Hanger for eaves troughs. 2,029,462; Feb. 4.

Carey, William J., Cleveland Heights, Ohio. Pump or motor. 2,029,550; Feb. 4.

Carlsen, Iver G., Rosebank, N. Y. Igniting device. 2,029,854; Feb. 4.

Carothers, Wallace H., Fairville, Pa., A. M. Collins, and J. E. Kirby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical products and processes for producing same. 2,029,419; Feb. 4.

Cassell, Joseph L., assignor, by mesne assignments, to Wired Radio, Inc., New York, N. Y. Automatic radio receiving apparatus. 2,029,906; Feb. 4.

Causey, Daniel W., Norfolk, Va. Shade protector. 2,029,308; Feb. 4.

Celanese Corporation of America. (See Ellis, G. H., and Brown, assignors.)

Central United National Bank, as trustee. (See Wheelbarger, Albert S., assignor.)

Chadeloid Chemical Company. (See Ellis, Carleton, assignor.)

Challenge Machinery Company, The. (See Lee, J. E., Gylleck, and Barney, assignors.)

Challenge Machinery Company, The. (See Lee, James E. and J. W., Gylleck, and Barney, assignors.)

Chalmers, George W., Summit, Ill., assignor to International Patents Development Company, Wilmington, Del. Can feeding apparatus. 2,029,568; Feb. 4.

Chambers, Cornelius, Shirley, Birmingham, England. Apparatus for washing drinking vessels. 2,029,853; Feb. 4.

Charles, Carl L. (See Bard, F. N., Charles, and Gray.)

Chasan, Saul H., Rochester, N. Y. Display device. 2,029,653; Feb. 4.

Chemical Construction Corporation. (See Christensen, Axel, assignor.)

Chewning, Walter L., Cynwyd, assignor to United Engineers & Constructors Inc., Philadelphia, Pa. Disk filter. 2,029,611; Feb. 4.

Chicago Metallic Manufacturing Company. (See Langel, Adrian L., assignor.)

Chicago Pump Company. (See Durdin, Augustus C., Jr., assignor.)

Childs, Henry R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Thread guide treating device. 2,029,910; Feb. 4.

Christensen, Axel, Rye, N. Y., assignor to Chemical Construction Corporation. Regenerating absorbent liquids. 2,029,411; Feb. 4.

Chryst, William A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Fluid flow control device. 2,029,307; Feb. 4.

Clapp, James E., Auburndale, assignor to General Radio Company, Cambridge, Mass. Electromechanical vibrator. 2,029,359; Feb. 4.

Clark, George J. J. (See Field, B., and Clark.)

Clark, Harold W., assignor to The McCaskey Register Company, Alliance, Ohio. Receipt control. 2,029,784; Feb. 4.

Clark, James A., Poughkeepsie, N. Y., and H. G. Smolens, Upper Darby, Pa., assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Bleaching. 2,029,985; Feb. 4.

Clark, John A., assignor to Manton-Gaulin Manufacturing Company, Inc., St. Johnsbury, Vt. Packing for homogenizers. 2,029,463; Feb. 4.

Claude, André, Nanterre, France. Electric lighting apparatus. 2,029,986; Feb. 4.

Cleveland Automatic Machine Company, The. (See Ruppel, Harry W., assignor.)

Cleveland Heater Company, The. (See Craver, Albert F., assignor.)

Cohen, Leidor, Brooklyn, N. Y. Refrigerator door construction. 2,029,755; Feb. 4.

Colbert, William H., Brackenridge, Pa., assignor to Liberty Mirror Works. Rear view mirror. 2,029,911; Feb. 4.

Coleman, Alfred E., Corvallis, Oreg. Finger ring. 2,029,464; Feb. 4.

Collette, Antoinette D., Winnetka, Ill. Table covering. 2,029,856; Feb. 4.

Collins & Aikman Corporation. (See Hiers, Glen S., assignor.)

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Collins, Arnold M. (See Carothers, W. H., Collins, and Kirby.)

Collins, Arthur E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for shirring rubber articles. 2,029,859; Feb. 4.

Colomb, Henri, Tavannes, Switzerland. Watch movement for fancy watches. 2,029,559; Feb. 4.

Commercial Solvents Corporation. (See Bannister, William J., assignor.)

Compagnie Generale de Telegraphie Sans Fil. (See Lucas, René, assignor.)

Compton Oscillator Corp. (See Kleins, Arnold, assignor.)

Concrete Engineering Company. (See Ochiltree, Ned A., assignor.)

Connolly, William F., Farley, and W. F. Yeoman, Monticello, Iowa. Jar lifter. 2,029,809; Feb. 4.

Connolly, William F., Farley, and W. F. Yeoman, Monticello, Iowa. Jar holder. 2,029,810; Feb. 4.

Conradty, C. (See Conradty, Ottmar, assignor.)

Conradty, Ottmar, assignor to C. Conradty, Nuremberg, Germany. Trolley system. 2,029,837; Feb. 4.

Cooke, Horace B. (See Sperr, Frederick W., Jr., assignor.)

Cooling & Air Conditioning Corporation, The. (See Keyes, Robert R., assignor.)

Copland, Charles J., North Kansas City, Mo., assignor to International Patents Development Company, Wilmington, Del. Crystallization of dextrose. 2,029,560; Feb. 4.

Corbellogesellschaft m. b. H. (See Philipp, Robert R., assignor.)

Cosser, Frank, Finsbury Park, London, England. Sphygmomanometer bandage. 2,029,912; Feb. 4.

Couch, Glenn F., Rochester, assignor to The Symington Company, New York, N. Y. Journal box. 2,029,521; Feb. 4.

Couch, Royden O., Grant, Fla. Dredge. 2,029,853; Feb. 4.

Coulson, Charles H., Hanover, Pa. Heel forming machine. 2,029,654; Feb. 4.

Coulter, Andrew C. L., Maalaha, Territory of Hawaii. Apparatus for straining sugar cane juice. 2,029,655; Feb. 4.

Cox, Gerald J., and M. L. Dodds, Pittsburgh, Pa., assignors, by mesne assignments, to Niacet Chemicals Corporation, New York, N. Y. Manufacture of esters of levulinic acid. 2,029,412; Feb. 4.

Connell, Frank, Plainfield, N. J. Oil burner. 2,029,889; Feb. 4.

Craver, Albert F., Lakewood, assignor to The Cleveland Heater Company, Cleveland, Ohio. Electric water heater. 2,029,967; Feb. 4.

Creighton, Harry M., East Norwalk, and H. C. Berndt, Norwalk, assignors to The R. U. V. Engineering Corporation, South Norwalk, Conn. Active ray treating device. 2,029,612; Feb. 4.

Crompton & Knowles Loom Works. (See Voss, Lewis S., assignor.)

Croes, Wallace R., Detroit, Mich. Machine for salvaging carbons. 2,029,532; Feb. 4.

Crown Cork & Seal Company. (See Huntley, G. J., and Bartley, assignors.)

Crumrine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Camera latch. 2,029,913; Feb. 4.

Cunningham, Lewis L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Modulating electric valve. 2,029,445; Feb. 4.

Curtis, Harry A., Knoxville, Tenn., and A. J. Abrams, Colbert County, near Sheffield, assignors to Tennessee Valley Authority, Wilson Dam, Ala. Preparing phosphate charging stock. 2,029,509; Feb. 4.

Curtis, Leslie F., assignor to United American Bosch Corporation, Springfield, Mass. Tone compensated volume control. 2,029,522; Feb. 4.

Cutler-Hammer, Inc. (See Lasko, Eric H., assignor.)

Dabgin, William, New York, N. Y. Adjustable head for flashlights. 2,029,561; Feb. 4.

Daeuniche Company, The. (See Daeuniche, Roland P., assignor.)

Daemicke, Roland P., assignor to The Daemicke Company, Chicago, Ill. Refrigerator display case. 2,029,860; Feb. 4.

Dallas, Samuel B., Baltimore, Md. Swaging and alignment die. 2,029,704; Feb. 4.

Dalton, Anna, executrix. (See Hessian, Dennis C.)

Damm, Max, Newark, N. J. Traveling bag. 2,030,466; Feb. 4.

Dardelet Threadlock Corporation. (See Thomson, Robert, assignor.)

Davis, Augustine, Jr., Cincinnati, Ohio. Vehicle body. 2,029,756; Feb. 4.

Davis, Cy H., Fenwick, Ontario, Canada. Mechanical pencil. 2,030,025; Feb. 4.

Davis, Elmer M., assignor to Swift and Company, Chicago, Ill. Cover retaining means. 2,029,811; Feb. 4.

Davis, Willie H., Angola, assignor of one-half to A. Lacoste, New Roads, La. Band buckle. 2,029,418; Feb. 4.

Davison, Robert L., assignor to John B. Pierce Foundation, New York, N. Y. Combined partition-fixture unit. 2,030,024; Feb. 4.

Dawson, Charles W. (See Richardson, T. A., and Dawson.)

Dawson, Harry, Everett, Wash. Barrel truck. 2,029,656; Feb. 4.

Day, George G., North Holston, Va., assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Distillation of ammonia from aqueous ammoniacal brines. 2,029,467; Feb. 4.

Day, Roland B., Palos Verdes Estates, Calif., assignor to Universal Oil Products Company, Chicago, Ill. Improving hydrocarbon liquids. 2,029,757; Feb. 4.

Day, Roland B., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,029,758; Feb. 4.

Dazey Churn & Manufacturing Co. (See Dazey, Harry L., assignor.)

Dazey, Harry L., assignor to Dazey Churn & Manufacturing Co., St. Louis, Mo. Can opener. 2,029,812; Feb. 4.

Dean, Dion K., Rahway, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Heat recovery system. 2,029,880; Feb. 4.

De Boer, Jan H., J. Bruynes, and M. C. Teves, Eindhoven, Netherlands, assignors to Radio Corporation of America. Photo-electric tube and making same. 2,029,414; Feb. 4.

De Caigny, Hector. (See Gould, E. A., and De Caigny.)

Deibler, Lillian E., Chevy Chase, Md. Motor vehicle service indicator. 2,029,468; Feb. 4.

De Laval Separator Company, The. (See Field, Eugene T., assignor.)

De Mey, René, Brussels, Belgium. Guiding vane for fans or the like. 2,029,813; Feb. 4.

Denning, Paul S., Joliet, Ill., assignor to F. B. Schundler & Co., Inc. Making expanded vermiculite. 2,029,524; Feb. 4.

Dennis, Oliver C., Wilmetta, Ill. Picture display device. 2,029,415; Feb. 4.

Derby, Ira H., and H. R. Horner, assignors to Peter C. Reilly, Indianapolis, Ind. Apparatus for the treatment of carbonaceous material. 2,029,759; Feb. 4.

Derby, Ira H., and H. R. Horner, assignors to Peter C. Reilly, Indianapolis, Ind. Apparatus for treating carbonaceous material. 2,029,760; Feb. 4.

Derby, Ira H., and H. R. Horner, assignors to Peter C. Reilly, Indianapolis, Ind. Forming charges. 2,029,761; Feb. 4.

Derby, Ira H., and H. R. Horner, assignors to Peter C. Reilly, Indianapolis, Ind. treating carbonaceous material. 2,029,762; Feb. 4.

Derby, Ira H., and H. R. Horner, Indianapolis, Ind., assignors to Peter C. Reilly, Indianapolis, Ind. Apparatus for treating carbonaceous material. 2,029,763; Feb. 4.

Detroit Gasket & Mfg. Co. (See Balfe, George T., assignor.)

Detroit Trust Company, executor estate of Otis E. Richard, deceased. (See Kahn, Clifford H., assignor.)

Deutsche Luftfahrt-und Handels-Aktien-Gesellschaft. (See Boykow, Johann M., assignor.)

Dewey, Josiah A., Oakland, Calif., assignor of one-half to A. H. Upton, and one-half to I. M. Upton, Stinson Beach, Calif. Folding bed. 2,029,705; Feb. 4.

De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Method and apparatus for making leathery forms. 2,029,706; Feb. 4.

Diller, Alvin L. (See L'Hollier, L. H., and Diller.)

Diller, Alvin L., Belmont, and L. H. L'Hollier, Waltham, assignors to Hood Rubber Company, Inc., Watertown, Mass. Producing surfaces of comminuted material. 2,029,861; Feb. 4.

Dillon, Lyle, assignor to Union Oil Company of California, Los Angeles, Calif. Electric dehydrater. 2,029,962; Feb. 4.

Dodds, Mary L. (See Cox, G. V., and Dodds.)

Dodelin, Fred A., Glen Ridge, assignor to Pyrene Manufacturing Company, Newark, N. J. Supporting bracket for fire extinguishers. 2,029,707; Feb. 4.

Dodge, Adiel Y., South Bend, assignor to Bendix Brake Company, South Bend, Ind. Electrical disk brake. 2,029,862; Feb. 4.

Doe, Flora M., administratrix. (See Doe, William B.)

Doe, William B., Jacksonville, Fla., F. M. Doe, administratrix of the estate of said W. B. Doe, deceased, assignor to The Hydro-Humus Corporation of America, Jacksonville, Fla. Method and material for improving the growth of plants. 2,029,968; Feb. 4.

Doppers, Rudolph, Los Angeles, Calif. Resonator for stringed musical instruments. 2,029,488; Feb. 4.

Douglas, James K., and G. L. Heiden, assignors to The Oilgear Company, Milwaukee, Wis. Hydraulic pump. 2,029,708; Feb. 4.

Dow Chemical Company, The. (See Lowry, H. D., and Reynolds, assignors.)

Downie, Robert E., Beaver Falls, Pa. Mechanical hammer. 2,029,963; Feb. 4.

Draper, Charles H., Cleveland Heights, and W. C. Greene, Cleveland, assignors to The Draper Manufacturing Company, Cleveland, Ohio. Buzz ring construction. 2,029,764; Feb. 4.

Draper Manufacturing Company, The. (See Draper, C. H., and Greene, assignors.)

Dreher, Stanley C., Cincinnati, Ohio. Revolving door. 2,029,914; Feb. 4.

Drewsen, Pierre, Sandusky, Ohio, assignor to The Barrett Company. Felt and making same. 2,029,510; Feb. 4.

Driggers, William S., Bostwick, assignor of one-half to J. Hancock, Palatka, Fla. Flycatcher. 2,029,969; Feb. 4.

Duby, John F., Boston, Mass. Plumb gauge. 2,029,581; Feb. 4.

Dunn, Frank R., Cleveland, Ohio. Brick. 2,029,814; Feb. 4.

Du Pont, E. I., de Nemours & Company. (See Arvin, James A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Bain, Louis A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Carruthers, W. H., Collins, and Kirby, assignors.)

Du Pont, E. I., de Nemours & Company. (See Engelmann, Max, assignor.)

Du Pont, E. I., de Nemours and Company. (See Macallum, Alexander D., assignor.)

Du Pont, E. I., de Nemours & Company. (See Perkins, Melvin A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Rittmeister, Wilhelm, assignor.)

Du Pont, E. I., de Nemours & Company Incorporated, The. (See Gilbert, Harvey N., assignor.)

Du Pont Cellophane Company. (See Hawkins, J. F., and Underwood, assignors.)

Durdin, Augustus C., Jr., assignor to Chicago Pump Company, Chicago, Ill. Pumping apparatus. 2,029,709; Feb. 4.

Durdin, Augustus C., Jr., Niles Center, assignor to Chicago Pump Company, Chicago, Ill. Screw feed centrifugal pump. 2,029,708; Feb. 4.

Durgin, Edgar E., assignor to New Jersey Optical Company, Newark, N. J. Nose pad connection for eyeglass frames. 2,029,479; Feb. 4.

Du Sang, Virgil L., Kokomo, Ind. Wheel balancing weight. 2,029,561; Feb. 4.

Dwight & Lloyd Metallurgical Company. (Lloyd, E. L., and Hyde, assignors.)

Earle, Ralph H., Wauwatosa, assignor to Line Material Company, South Milwaukee, Wis. Protective device. 2,029,562; Feb. 4.

Earle, Richard W., Los Angeles, Calif. Chronoscope. 2,029,563; Feb. 4.

Eastman Kodak Company. (See Childs, Henry E., assignor.)

Eastman Kodak Company. (See Crumrine, Chester W., assignor.)

Eastman Kodak Company. (See Fourst, Carl C., assignor.)

Eastman Kodak Company. (See Hall, David C., assignor.)

Eastman Kodak Company. (See Luce, Richard W., assignor.)

Eastman Kodak Company. (See Martin, Louis D., assignor.)

Eastman Kodak Company. (See McNally, James G., assignor.)

Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)

Eastman Kodak Company. (See Van Dyke, R. H., Sand, and Gray, assignors.)

Easy Washing Machine Corporation. (See Nelson, John C., assignor.)

Eclipse Aviation Corporation. (See Nowodzinski, Edward R., assignor.)

Edlin, George E., and H. H. Stewart, assignors to The New Zealand Edlin Stewart Engine Company, Limited, Auckland, New Zealand. Internal combustion engine. 2,029,909; Feb. 4.

Edström, Erik, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,029,611; Feb. 4.

Edwards, J. & Co. (See Bertschi, A. G., and Heller, assignors.)

Eichel, John V., Jr., assignor to H. S. Getty & Co., Inc., Philadelphia, Pa. Pasteproof lock. 2,029,991; Feb. 4.

Eisenhauer, Wynn E., McAfee, Nova Scotia, Canada. Mechanical lead pencil. 2,030,127; Feb. 4.

Electric Game Company, The. (See Proudian, Howard M., assignor.)

Electric Storage Battery Company, The. (See Lord, Edward L., assignor.)

Electrolux Corporation. (See Edström, Erik, assignor.)

Elgnard, Laurits, Kew Gardens, N. Y., assignor to Semet-Solvay Engineering Corporation, New York, N. Y. Gas valve. 2,029,564; Feb. 4.

Ellis, Nathaniel M., New York, N. Y. Insulating material. 2,029,811; Feb. 4.

Elmington, James M., San Francisco, Calif. Dishwashing machine. 2,029,565; Feb. 4.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Transparent tissue and making same. 2,029,525; Feb. 4.

Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Finish removing process. 2,029,992; Feb. 4.

Ellis-Foster Company. (See Ellis, Carleton, assignor.)

Ellis, George H., and F. Brown, Spondon, near Derby, England, assignors to Celanese Corporation of America. Dyestuffs and their application. 2,029,812; Feb. 4.

Ellis, George H., and F. Brown, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production and application of new dyestuffs. 2,029,813; Feb. 4.

Ellis, Stuart, Fredericksburg, Va. Grave-level cemetery vase. 2,029,314; Feb. 4.

Emmens, Hendrik. (See van Geel, W. C., and Emmens.)

Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tri-fluoro-methyl-phenyl-azo diamine pyridines and making the same. 2,029,215; Feb. 4.

Engineering and Research Corporation, The. (See Kelly, Frederick G., Jr., assignor.)

Erlt, Carl, Tulsa, Okla. Adjustable oil well crank arm counterweight. 2,029,998; Feb. 4.

Ewing, Willard E., Libertyville, assignor to McWilliams Dredging Company, Chicago, Ill. Dredging apparatus. 2,029,816; Feb. 4.

Ewing, Willard E., Libertyville, assignor to McWilliams Dredging Company, Chicago, Ill. Cutter for hydraulic dredges. 2,029,816; Feb. 4.

Fabel, George S., Trenton, N. J., assignor to Southern Asbestos Company, Charlotte, N. C. Wicking. 2,029,994; Feb. 4.

Fast, John E., & Company. (See Kegebein, Louis, assignor.)

Fawell, Joseph E., Pittsburgh, Pa., Feeder and catcher apparatus for rolling mills. 2,029,915; Feb. 4.

Federal Tobacco Corporation. (See Loewenthal, Bert, assignor.)

Fegles, Donald B., Minneapolis, Minn. Roof covering. 2,029,817; Feb. 4.

Ferguson, Duncan, New Haven, Conn., and H. H. Schell, Garden City, assignors to Sidney Blumenthal & Co., Inc., New York, N. Y. Printed fabric and making same. 2,029,768; Feb. 4.

Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Door opening apparatus. 2,029,528; Feb. 4.

Field, Bernard, Brookline, and G. J. J. Clark, Whitman, Mass. Gas burner. 2,029,471; Feb. 4.

Field, Eugene T., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Bowl-manipulating crane for centrifugal machines. 2,029,709; Feb. 4.

Field, Joseph C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective signaling system. 2,029,716; Feb. 4.

Filippone, E., & Co. Inc. (See Tanzi, Guido, assignor.)

Fischer, August H., Welsey, S. Dak. Watch attachment. 2,029,416; Feb. 4.

Fischer, Fritz, Berlin-Charlottenburg, F. Strecker, Berlin-Siemensstadt, and H. Neugebauer, Berlin-Lichterfelde, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Apparatus for taking or projecting lenticulated films. 2,029,614; Feb. 4.

Fisher, Harmon F., assignor to Union Oil Company of California, Los Angeles, Calif. Electrical dehydrator. 2,029,527; Feb. 4.

Fleming, Burritt G., Columbus, Ohio. Door operating mechanism. 2,029,818; Feb. 4.

Flowers, Henry F., Findlay, Ohio. Dump vehicle. 2,029,995; Feb. 4.

Foley, Louis D., Louisville, Ky. Spring for vehicles. 2,029,472; Feb. 4.

Food Machinery Corporation. (See Sheldon, Henry A., assignor.)

Förster, Arthur, Gerlitz, Germany. Neck protector for use with hairdresser's wrappers or the like. 2,029,417; Feb. 4.

Fort Orange Paper Company. (See Metzger, Henry L., assignor.)

Foster Wheeler Corporation. (See Dean, Dion K., assignor.)

Foster Wheeler Corporation. (See Frisch, Martin, assignor.)

Fox, Charles E., Bakersfield, Calif. Supercharging device for oil pumps. 2,029,473; Feb. 4.

Frank, Raymond H. (See Gregg, A. W., and Frank.)

Frantz Manufacturing Co. (See Ferris, William D., assignor.)

Frantz, Fred E., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Door check. 2,029,711; Feb. 4.

Fraser, Eugene S., et al. (See Moore, Guy S., assignor.)

Frear, Hazn P., New York, N. Y., assignor to Bethlehem Shipbuilding Corporation, Ltd. Ship construction. 2,029,712; Feb. 4.

Free Use of the Public, Dedicated to The. (See Shedd, C. K., and Collins.)

Frey, Charles N. (See Kirby, G. W., and Frey.)

Frey, Frederick E. (See Guyer, J. A., Frey, and Huppke.)

Frey, Frederick E., W. F. Huppke, and J. A. Guyer, Bartlesville, assignors to Phillips Petroleum Company, Bartlesville, Okla. Converting hydrocarbon fluids into fuel gas. 2,029,057; Feb. 4.

Friedland, Max, New York, N. Y. Reflex shutter. 2,029,418; Feb. 4.

Friedman, Sidney C. (See Masse, M. K., and Friedman.)

Friermood, Charles L., assignor to C. K. Hellinger, receiver for the Ridgley Trimmer Company, Springfield, Ohio. Paper trimmer. 2,029,916; Feb. 4.

Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Pulverization. 2,029,917; Feb. 4.

Fuel Development Corporation. (See Kimball, Leo B., assignor.)

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera construction. 2,029,918; Feb. 4.

Fuller, Frederic B., assignor to Package Machinery Company, Springfield, Mass. Web registering device. 2,029,919; Feb. 4.

Furman, Samuel, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass. Printing machine. 2,029,996; Feb. 4.

Gaddy, Leona L., Panama City, Fla. Condiment holder. 2,029,997; Feb. 4.

Gale, Rowland A. (See Wallerstein, L., Gale, and Hawley, Jr.)

Gale, Rowland A. (See Wallerstein, L., Hawley, and Gale.)

Gallaher, Alvan H., Plainfield, N. J., assignor to The Barrett Company, New York, N. Y. Coking hydrocarbon material and coke oven for practicing said process. 2,029,865; Feb. 4.

Gard, Earle W., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Fractional distillation. 2,029,529; Feb. 4.

Gebhard, Louis A., Washington, D. C. System of amplification of alternating current. 2,029,314; Feb. 4.

Gebrueder Eichhoff, Maschinenfabrik und Eisengiesserei. (See Engelberg, Friedrich, assignor.)

Geisler, Walter. (See Oswald, P., and Geisler.)

Gelbman, Louis, Yonkers, N. Y. Concrete block machine. 2,029,865; Feb. 4.

General Aniline Works, Inc. (See Hagenbücker, A., and Brune, assignors.)

General Aniline Works, Inc. (See Lauka, L., and Haller, assignors.)

General Aniline Works, Inc. (See Petrus-Blumberger, José S., assignor.)

General Aniline Works, Inc. (See Schindhelm, H., and Schultis, assignors.)

General Aniline Works, Inc. (See Wizinger, Robert, assignor.)

General Cable Corporation. (See Schatzel, Rudolph A., assignor.)

General Chemical Company. (See Ingraham, Harold O. C., assignor.)

General Chemical Company. (See Joseph, Henry, assignor.)

General Electric Company. (See Newman, Delbert F., assignor.)

General Electric Company. (See Vare, Ethan W., assignor.)

General Motors Corporation. (See Chryst, William A., assignor.)

General Motors Corporation. (See Geyer, Harvey D., assignor.)

General Motors Corporation. (See Williams, James F., assignor.)

General Outdoor Advertising Co. (See Rosner, Max, assignor.)

General Radio Company. (See Clapp, James K., assignor.)

Genecche, Wilhelm. (See Petersen, A. E., and Genecche.)

Germint Limited. (See MacLennan, Duncan T. S., assignor.)

Getty, H. S., & Co. Inc. (See Eichel, John V., Jr., assignor.)

Geyer, Harvey D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Solid lubricating material. 2,029,866; Feb. 4.

Geyer, Harvey D. Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Composite rubber piston. 2,029,867; Feb. 4.

Gilbert, Harvey N., Niagara Falls, N. Y., assignor to The E. I. du Pont de Nemours & Company Incorporated, Wilmington, Del. Metal recovery. 2,029,998; Feb. 4.

Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Two-stage valve. 2,029,615; Feb. 4.

Gillette Safety Razor Company. (See Lewando, Felix J., assignor.)

Gilowitz, Benjamin, Bronx, N. Y., assignor of one-fourth to William Joseph, New York, N. Y. Fire escape. 2,029,419; Feb. 4.

Githens, Otto W., Indianapolis, Ind., assignor to Universal Camera Corporation, New York, N. Y. Photographic camera. 2,029,474; Feb. 4.

Githens, Otto W., assignor to Universal Camera Corporation, New York, N. Y. Photographic camera. 2,029,475; Feb. 4.

Githens, Otto W., assignor to Universal Camera Corp., New York, N. Y. Photographic camera. 2,029,476; Feb. 4.

Goldblatt, Joseph, New York, N. Y. Mounting for the crystal of a wrist watch casing. 2,029,760; Feb. 4.

Gold Dust Corperation. (See Heckel, J. T., and Walker, assignors.)

Golding, Edwin I., assignor to I. W. Hirshfield, New York, N. Y. Garment manufacture. 2,030,026; Feb. 4.

Goldthwaite, George E., South Easton, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Method and apparatus for conditioning air. 2,029,568; Feb. 4.

Gooch, Stapleton D. (See Kerschbaum, F. P., Wargaman, and Gooch.)

Goodman Manufacturing Company. (See Pratt, Charles A., assignor.)

Goodrich, B. F., Company, The. (See Collins, Arthur E., assignor.)

Goodrich, B. F., Company, The. (See Heidenbrand, Carl H., assignor.)

Goodrich, B. F., Company, The. (See Merrill, A. B., and Stewart, assignors.)

Goodrich, B. F. Company, The. (See Semon, Waldo L., assignor.)

Gordon, Cecil E., Pocatello, Idaho. Battery stabilizer. 2,029,658; Feb. 4.

Gould, Edward A., and H. De Caigny, Duluth, Minn. Tank filling pipe closure. 2,029,477; Feb. 4.

Gowdy, William F., assignor to Archer Rubber Company, Milford, assignor to Archer Rubber Company, Milford, Mass. Wearing apparel. 2,029,564; Feb. 4.

Grant, John, Los Angeles, Calif. Roller cutter reamer. 2,029,770; Feb. 4.

Gray, Harry Le B. (See Van Dyke, R. H., Staud, and Gray.)

Gray, John D., Chicago, Ill. Display device. 2,029,771; Feb. 4.

Gray, Thomas C. (See Bard, F. N., Charles, and Gray.)

Green, Estill I., East Orange, N. J., assignor to American Telephone and Telegraph Company. Concentric conductor transmission system. 2,029,630; Feb. 4.

Green, Estill I., East Orange, and F. A. Leibe, Dunellen, N. J., assignors to American Telephone and Telegraph Company. Concentric conductor transmission system. 2,029,421; Feb. 4.

Greenwood, Henry B., assignor to F. X. Hooper Company, Inc., Glenarm, Md. Shaft adjusting means. 2,030,027; Feb. 4.

Greenwood, Henry B., assignor to F. X. Hooper Company, Inc., Glenarm, Md. Shaft adjusting means. 2,030,028; Feb. 4.

Gregg, Alfred W. and R. H. Frank, assignors to The Bonney-Floyd Company, Columbus, Ohio. Differentially heat-treated cast steel wheel. 2,029,819; Feb. 4.

Greiner, Carl F., Springfield, assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio. Road roller. 2,029,649; Feb. 4.

Griesbaber, Fritz, Rieben, near Basel, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Printing preparation and process. 2,029,899; Feb. 4.

Griffin, William T., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Window construction. 2,029,772; Feb. 4.

Greene, William F., and W. R. Meyer, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Chuck. 2,030,029; Feb. 4.

Grosser, Walter C. (See Draper, C. H., and Grosser.)

Guild, Herbert C., Mamaroneck, N. Y. Condenser. 2,029,422; Feb. 4.

Gulf Research & Development Corporation. (See Ayres, Eugene E., assignor.)

Gustafsson, Eric. (See Bramsen, S., Wahlin, and Gustafsson.)

Gustafsson, Eric, assignor to Binks Manufacturing Company, Chicago, Ill. Air nozzle for flat spraying appliances. 2,029,423; Feb. 4.

Gutman, Maurice R., Lynbrook, N. Y. Drain tile connector. 2,029,930; Feb. 4.

Guyer, James A. (See Frey, F. R., Huppke, and Guyer.)

Guyer, James A., F. R. Frey, and W. F. Huppke, assignors to Phillips Petroleum Company, Bartlesville, Okla. Gas making apparatus. 2,029,817; Feb. 4.

Guyot, Marius. (See Morton, A. S., and Guyot.)

Gylleck, Olaf T. (See Lee, J. B., Gylleck, and Barney.)

Gylleck, Olaf T. (See Lee, James B. and J. W., Gylleck, and Barney.)

Haberl, Paul A., Denver, Colo. Demountable wheel. 2,030,306; Feb. 4.

Hach, Clarence A., Long Island, assignor to Western Electric Company, Incorporated, New York, N. Y. Floor. 2,029,713; Feb. 4.

Hadden, Gavin, New York, and C. A. Holden, New Rochelle, N. Y.; said Holden assignor to said Hadden. Inclosure for a number of indoor cuspi. 2,030,079; Feb. 4.

Hagenbücker, Alfred, and E. Bruns, Frankfort-on-the-Main-Hoechst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Thioindigo dyestuff preparations and preparing them. 2,029,714; Feb. 4.

Hagenbook, Thurloe M., assignor, by mesne assignments, to International Door Company, Evansville, Ind. Revolving door speed control. 2,029,518; Feb. 4.

Hagland, Gustaf, Stockholm, assignor to Patentaktiebolaget Grondal-Ramen, Stockholm, Sweden. Preparing alkali sulphite or alkali bisulphite solutions from waste liquors obtained in the digestion of cellulose with alkali sulphur compounds. 2,029,616; Feb. 4.

Hagland, Ture E., Stockholm, Sweden. Containing products containing spinels. 2,029,773; Feb. 4.

Haines, Marcus W., Long Beach, assignor to Technicraft Engineering Corp., Los Angeles, Calif. Perforating deep wells. 2,029,478; Feb. 4.

Hall-Welter Co. (See Welter, Herman C., assignee.)

Haller, Oskar. (See Lasch, L., and Haller.)

Halliburton, Erle P., Los Angeles, Calif. Monolithic cementitious pipe. 2,029,909; Feb. 4.

Halmi, Steve, New York, N. Y. Automatic lock for dumbwaiters. 2,029,867; Feb. 4.

Halpern, Michael, New York, W. E. Logan, White Plains, Robert E. Marley and W. Ulrich, Beacon, N. Y., assignors to The Texas Company, New York, N. Y. Pyrolysis of hydrocarbon gases. 2,030,030; Feb. 4.

Haltmeier, Alfred. (See Bayer, J., Haltmeier, and Henchy.)

Hammes, James H., Vincennes, Ind. Multifocal ophthalmic lens and blank therefor. 2,029,479; Feb. 4.

Hammon, James H., Vincennes, Ind. Multifocal ophthalmic lens and blank therefor. 2,029,480; Feb. 4.

Hancock, R. J. (See Driggers, William S., assignor.)

Hanits, Hans. (See Oberhoffken, A., and Hanits.)

Hanks, Frederick W., Cleveland, Ohio. Motor disk. 2,029,819; Feb. 4.

Hanney, Angus F., Norwood, assignor to The American Laundry Machinery Company, Norwood, Ohio. Control mechanism for garment pressing machines. 2,029,715; Feb. 4.

Hansgirg, Fritz, Badenthein, Carinthia, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Apparatus for producing substantially pure magnesium. 2,029,221; Feb. 4.

Harbert, Victor H., assignor to Illinois Railway Equipment Company, Chicago, Ill. Draft key retainer locking means. 2,029,963; Feb. 4.

Hardy, Sydney T. C., Gladesville, Sydney, Australia, assignor to Sun Newspapers Limited, Sydney, New South Wales, Australia. Rotary printing press. 2,029,686; Feb. 4.

Harrington, Roland P., Washington, D. C. Trolling cradle. 2,030,060; Feb. 4.

Harris, Leonard B., Bayside, assignor to International Oil-Gas Corporation, New York, N. Y. Oil gas generating apparatus. 2,029,774; Feb. 4.

Harrison, Benjamin P., Glenns Ferry, Idaho, assignor to The Standard Stoker Company, Incorporated. Multiple underfeed stoker. 2,029,196; Feb. 4.

Harrison, Frank, Braintree, England. Cone for use in wireless loudspeakers, telephones, and the like. 2,030,001; Feb. 4.

Hardhaw Chemical Company, The. (See Pirat, P. E., assignor.)

Hartmann, Povl D., New York, N. Y., assignor to Bauer Manufacturing Company, Newark, N. J. Electric filter. 2,029,716; Feb. 4.

Harvey, Lloyd E., Logan, assignor of one-half to J. S. Keith, Gloucster, Ohio. Tie for extension trackways. 2,029,830; Feb. 4.

Haskins, Joseph F., Wilmington, Del., and William F. Underwood, Waynesboro, Va., assignors to Du Pont Cellophane Company, Inc., New York, N. Y. Esterification of cellulosic materials. 2,029,431; Feb. 4.

Hasbauer, Adolf, East Orange, N. J. Cathode for thermionic valves. 2,029,482; Feb. 4.

Hathaway, Edgar F., Wellesley, and W. Kirby, Dorchester, Mass. Circuit controller. 2,029,821; Feb. 4.

Hawley, Thomas. (See Wallerstein, L., Hawley, and Galek.)

Hawley, Thomas G., Jr. (See Wallerstein, L., Gale, and Hawley, Jr.)

Hebermehl, Reinhard. (See Rosenthal, L., and Hebermehl.)

Heckel, John T., and R. S. Walker, Indianapolis, Ind., assignors to Gold Dust Corporation, New York, N. Y. Method of and machine for sealing inpreme material. 2,029,812; Feb. 4.

Hedgcock, William C., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Bolster. 2,029,833; Feb. 4.

Heiden, George L. (See Douglas, J. K., and Heiden.)

Heinze Development Company. (See Heinze, John O., assignor.)

Heinze, John O., Detroit, Mich., assignor, by mesne assignments, to Heinze Development Company. Heating unit. 2,029,717; Feb. 4.

Heidenbrand, Carl H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cushioning structure. 2,029,170; Feb. 4.

Henchy, Karl. (See Bayer, J., Haltmeier, and Henchy.)

Herbert, Elizabeth A., executrix. (See Herbert, James A., assignor.)

Herbert, James A., deceased, Cleveland, Ohio, E. A. Herbert, executrix, assignor of one-fourth to Gilbert Morgan, Cleveland, Ohio. Safety appliance for flanged wheels. 2,029,928; Feb. 4.

Herbert, James A., deceased, Cleveland, Ohio, E. A. Herbert, executrix, assignor of one-fourth to G. Morgan, Cleveland, Ohio. Safety appliance for trucks of railway cars. 2,029,924; Feb. 4.

Hering, Edward, Beverly, assignor to United States Pipe and Foundry Company, Burlington, N. J. Reading structure. 2,029,900; Feb. 4.

Hermann, Arnold, Sharpsburg, Pa. Cement. 2,030,032; Feb. 4.

Herser, Arno E., Upper Darby, Pa. Helmet. 2,029,884; Feb. 4.

Hessian, Dennis C., deceased, Detroit, Mich., A. Dultra, executrix. Air brake mechanism. 2,030,049; Feb. 4.

Hickler, Walter E., Weston, assignor to Hood Rubber Company, Inc., Watertown, Mass. Article of footwear and producing same. 2,029,571; Feb. 4.

Hiers, Glen S., Cynwyd, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Sponge rubber and making the same. 2,029,617; Feb. 4.

Hildreth, Louis E. (See LaPointe, William P., assignor.)

Hill, Charles A., assignor to Mueller Brass Co., Port Huron, Mich. Pipe. 2,029,424; Feb. 4.

Hirshfield, Ira W. (See Golding, Edwin I., assignor.)

Hobson, Stanley H., and F. I. Hoffman, assignor to Geo. D. Roper Corporation, Rockford, Ill. Broiler drawer. 2,029,712; Feb. 4.

Hoffman, Edmund, Brooklyn, assignor to American Gas Company, New York, N. Y. Spool and protector therefor. 2,029,829; Feb. 4.

Hoffman Specialty Company. (See Simpson, William K., assignor.)

Hofmann, Alfred, Needle Works, Inc. (See Hofmann, Alfred, assignor.)

Hofmann, Alfred, Palisade, assignor to Alfred Hofmann Needle Works, Inc., Union City, N. J. Roller attachment. 2,029,572; Feb. 4.

Holden, Charles A. (See Hadden, G., and Holden.)

Holland, James J., Parkersburg, Pa. Water syringe. 2,029,483; Feb. 4.

Hollman, Peter I. (See Hobson, S. H., and Hoffman.)

Holske, Clifford F., Williston Park, N. Y. Refrigeration. 2,029,870; Feb. 4.

Hood Rubber Company. (See Diller, A. L., and L'Hollier, assignors.)

Hood Rubber Company. (See Hickler, Walter E., assignor.)

Hood Rubber Company. (See L'Hollier, L. H., and Diller, assignors.)

Hooper, F. X., Company. (See Greenwood, Henry B., assignor.)

Hopf, Heinrich, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of alcohols. 2,029,613; Feb. 4.

Horner, Harold E. (See Darby, I. H., and Horner.)

Horni, Paul P., Newark, N. J. Fire alarm box door. 2,029,878; Feb. 4.

Horstmann, Frederick W., Maplewood, N. J. Fur trimming machine. 2,029,775; Feb. 4.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Fluid meter. 2,030,003; Feb. 4.

Hostetler, Charles W., Flushing, N. Y. Display device. 2,029,719; Feb. 4.

Houch, William S., Kokomo, Ind. Making embossing dies. 2,029,567; Feb. 4.

Houston, Junious W., Toledo, Ohio. Electromagnetic pump. 2,029,874; Feb. 4.

Howard, John E., and B. Biggers, Concord, N. C. Fishing rod. 2,029,484; Feb. 4.

Howell Electric Motors Company. (See Albert, Ralph E., assignor.)

Hudson Sharp Machine Company. (See Schmeler, Frederick C., assignor.)

Huffine, Robert L. (See Bartlett, A. G., and Huffine.)

Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose organic ester compositions containing a propionyl ester of glycerol. 2,029,925; Feb. 4.

Hullinger, Charles E., receiver. (See Fehrenbach, Charles L., assignor.)

Hunter, James, Machine Company, The. (See Cassidy, Ernest, assignor.)

Hunter, William L., assignor to Northern Equipment Company, Erie, Pa. Feed water regulator. 2,029,831; Feb. 4.

Huntley, George J., and J. S. Huntley, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Filling and closing machine. 2,029,528; Feb. 4.

Huppke, Walter F. (See Frey, F. R., Huppke, and Guyer, assignor.)

Huppke, Walter F. (See Guyer, J. A., Frey, and Huppke.)

Hurt, Samuel H., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,029,936; Feb. 4.

Hutchison, George E., Beckley, W. Va. Dispensing apparatus. 2,030,004; Feb. 4.

Hutchinson, Oliver G. (See Rapoport, N., Armstrong, and Hutchinson.)

Hyde, Reed W. (See Lloyd, R. I., and Hyde.)

Hydro-Human Corporation of America, The. (See Doe, William B., assignor.)

Ryser, George T. and G. S. Smith, Sale-Cynwyd, Pa. Shipping container. 2,030,040; Feb. 4.

I. G. Farbenindustrie Aktiengesellschaft. (See Bayer, J., Haltmeier, and Henchy, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Hopf, Heinrich, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Kircher, C., Mueller, and Succesenguth, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Ostwald, P., and Geisler, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Rosenthal, L., and Hebermehl, assignors.)

Ice Cream Cone Machine Corporation. (See Tatosian, Harry G., assignor.)

Ignell, Carl, Chicago, Ill. Audible electric signal. 2,029,720; Feb. 4.

Illinois Railway Equipment Company. (See Herbert, Victor H., assignor.)

Imperial Chemical Industries Limited. (See Sexton, Wilfred A., assignor.)

Imperial Chemical Industries Limited. (See Wormald, Alec, assignor.)

Indahl, Maurits C., Rydal, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Typographic mold. 2,029,529; Feb. 4.

Indian Territory Illuminating Oil Company. (See Beardmore, Herbert F., assignor.)

Ingersoll Milling Machine Company. (See Oberhoffken, A., and Hanits, assignors.)

Ingraham, Harold O. C., Greenwich, Conn., assignor to General Chemical Company, New York, N. Y. Method and apparatus for the production of sulphur dioxide. 2,030,021; Feb. 4.

Innes, George, Davenport, assignor to Innes Manufacturing Company, Bettendorf, Iowa. Baling apparatus. 2,030,031; Feb. 4.

Innes Manufacturing Company. (See Innes, George, assignor.)

International Door Company. (See Hagenbook, Thurloe M., assignor.)

International Oil-Gas Corporation. (See Harris, Leonard B., assignor.)

International Patents Development Company. (See Chalmers, George W., assignor.)

International Patents Development Company. (See Copland, Charles J., assignor.)

Intertype Corporation. (See Sperry, Arthur G., assignor.)

Ireland, Thomas H., Rockville Centre, N. Y. Water heater. 2,029,927; Feb. 4.

Irvine, Andrew. (See Roshirt, R. J., Bateman, and Irvine.)

Irwin Auger Bit Company, The. (See Swain, Howland M., assignor.)

Isaacson, Arthur M., Flushing, assignor to Western Electric Company, Incorporated, New York, N. Y. Floor. 2,029,721; Feb. 4.

Jacob, Max, assignor to the firm Auter-Werke Aktiengesellschaft, Bielefeld, Germany. Cash register. 2,029,776; Feb. 4.

Jaeck, Wolfgang, Basel, and A. Schürch, Rieben, near Basel, assignors to firm Society of Chemical Industry in Basle, Basel, Switzerland. Printing acetate artificial silk. 2,029,583; Feb. 4.

Jaeger, Alphons O., Greentree, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, New York, N. Y. Synthetic tanning material. 2,029,322; Feb. 4.

Jaeger, Alphons O., Mount Lebanon, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation. Contact sulphuric acid process. 2,029,530; Feb. 4.

Jaeger, Alphons O., Mount Lebanon, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation. Contact sulphuric acid process. 2,029,531; Feb. 4.

James, Cleveland A., Philadelphia, Pa., assignor to W. P. Montgomery, Atlantic City, N. J., and J. M. Zerbey, Philadelphia, Pa. Reflector. 2,029,575; Feb. 4.

James, Joseph H., Pittsburgh, Pa., assignor to Clarence P. Byrnes, trustee. Purification of oxidation products. 2,029,619; Feb. 4.

Janson, Carl G. (See Wallgren, A. G. F., and Janson.)

Jeffrey Manufacturing Company, The. (See Strawn, Orval E., assignor.)

Jersey, Vernon, assignor to S. M. A. Corporation, Cleveland, Ohio. Refining fats and oils. 2,029,722; Feb. 4.

Johns-Manville Corporation. (See Beckwith, Charles J., assignor.)

Johns-Manville Corporation. (See Parkinson, John S., assignor.)

Johnson, Arthur P., Wylde Green, Birmingham, England. Chronascope apparatus. 2,029,871; Feb. 4.

Johnson, Edward T. (See Tufts, N., and Johnson.)

Johnson, Henry C., Los Angeles, Calif. Waffle cooker. 2,029,020; Feb. 4.

Johnson, Lewis H., Madison, N. J., and F. K. Low, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,029,723; Feb. 4.

Johnson, Oscar R., Easton, Kans. Field tiller. 2,029,872; Feb. 4.

Johnston, Clarence A., Pecos, N. Mex. Dispensing container. 2,029,690; Feb. 4.

Johnston Pump Company. (See Miller, De Mont G., assignor.)

Jones, David, Iraan, Tex., assignor of one-half to F. M. King. Sand separator. 2,029,323; Feb. 4.

Jones, David, assignor of one-fourth to P. B. Scott, one-fourth to R. G. Thomson, and one-fourth to C. Rivers, Ottawa, Ontario, Canada. Sash lock and holder. 2,029,500; Feb. 4.

Jones, George O., Ludowici, Ga. Transmission. 2,029,661; Feb. 4.

Jonsson, Augustinus H., Stockholm, Sweden. Apparatus for preparation of malt. 2,029,574; Feb. 4.

Joseph, Henry, Rosedale, assignor to General Chemical Company, New York, N. Y. Making a catalyst. 2,029,576; Feb. 4.

Joseph, William. (See Gilowitz, Benjamin, assignor.)

Kablisch, Gustav. (See Reiners, W., and Kablisch.)

Kain, Clifford H., San Carlos, Calif., assignor of one-third to C. C. Richard, Bloomfield Hills, and one-third to Detroit Trust Company, Detroit, Mich. Hydraulically controlled duplicating machine. 2,030,022; Feb. 4.

Kammerdiner, James A. (See McCullough, Ira J., assignor.)

Kaplan, Benjamin J., Brookline, Mass. Decorative patent leather and making the same. 2,029,577; Feb. 4.

Karcher, Arthur A., Fostoria, Ohio. Adjustable lamp support. 2,029,582; Feb. 4.

Kasarjian, Armen A., Jackson Heights, N. Y. Spark plug. 2,029,570; Feb. 4.

Kaufman, Frank M., Merion, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Pile fabric and making the same. 2,029,621; Feb. 4.

Kautter, Wolfgang. (See Rosenstein, H. O., Kautter, and Rothe.)

Kaylor, Raymond, near Los Angeles, and R. H. Kenney, Los Angeles, Calif. Combination clip board and light. 2,029,425; Feb. 4.

Keith, James H. (See Harvey, Lloyd R., assignor.)

Kellogg, Helen L. (See Kellogg, John L., assignor.)

Kellogg, John L., assignor to H. L. Kellogg, Chicago, Ill. Container and cooling means therefor. 2,030,005; Feb. 4.

Kellogg, M. W., Company. (See Blumberg, Harry S., assignor.)

Kelly, Bryant S., Lubec City, Ga. Turpentine gum cup cover. 2,029,571; Feb. 4.

Kelly, Frederick G. Jr., assignor to The Engineering and Research Corporation, New Haven, Conn. Electric timing apparatus. 2,029,622; Feb. 4.

Kelly, Paul, English Lookout, La. Propeller puller. 2,030,006; Feb. 4.

Kelly Reamer Company, The. (See Berg, Herman, assignor.)

Kenney, Edward F. (See Bent, Q., and Kenney.)

Kenney, Ray E. (See Kaylor, R., and Kenney.)

Kennison, Frank, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for use in applying pressure to shoe bottoms. 2,029,624; Feb. 4.

Kernen, Frank H., Louisville, Ky. Display tray. 2,029,662; Feb. 4.

Kerschbaum, Friedrich P., Frankfort-on-the-Main, Germany, W. H. Waggaman, Baltimore, Md., and S. D. Gooch, Pembroke, Fla., assignors, by mesne assignments, to Pembroke Chemical Corporation. Recovery of phosphorus from dilute gases. 2,029,643; Feb. 4.

Keeling, Elmer G., Bloomfield, Mo. Gear shifting mechanism. 2,029,486; Feb. 4.

Keyes, Robert E., Dedham, Mass., assignor to The Cooling & Air Conditioning Corporation, New York, N. Y. Air conditioning system employing refrigeration. 2,030,032; Feb. 4.

Kidde, Walter & Company. (See Mapes, Daniel, assignor.)

Kimball, Leo B., New Haven, Conn., assignor to Fuel Development Corporation. Obtaining the optimum position of ignition contacts in internal combustion engines. 2,029,874; Feb. 4.

King, F. E. (See Jones, David, assignor.)

Kingdon, Ralph H., Maywood, assignor to Sears, Roebuck and Co., Chicago, Ill. Rubbing device. 2,029,426; Feb. 4.

Kingsbury, Edward J., Keene, N. H. Feed mechanism for machine tool units. 2,030,007; Feb. 4.

Kinnaird, William E., assignor to Universal Oil Products Company, Chicago, Ill. Valve. 2,029,777; Feb. 4.

Kinney, Fay D., Southbridge, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and apparatus for operating on the sole edges of rubber-soled shoes. 2,029,553; Feb. 4.

Kinney, Justus R., Boston, Mass. Broom. 2,029,436; Feb. 4.

Kirby, George W., New York, and C. H. Frey, Scarsdale, assignors to Standard Brands Incorporated, New York, N. Y. Manufacture of yeast. 2,029,572; Feb. 4.

Kirby, James E. (See Carothers, W. H., Collins, and Kirby.)

Kircher, Carl, and F. Mueller, Ludwigshafen-on-the-Rhine, and H. Suosseguth, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Working up of natural and industrial salt mixtures. 2,029,623; Feb. 4.

Kispert, Joseph J., Hamden, assignor to I. Newman & Sons, Inc., New Haven, Conn. Clasp and hook stay. 2,029,576; Feb. 4.

Klau, David W., New York, N. Y. Spool and winder therefor. 2,029,427; Feb. 4.

Klein, Franklin S., Malverne, N. Y. Wall block coupling. 2,029,576; Feb. 4.

Kleine, Arnold, Flushing, assignor to Compagnie Oscillator Corp., New York, N. Y. Illuminated sanitary electrode. 2,029,467; Feb. 4.

Knapp, Andrew H., and H. Smith, assignors to Knapp-Monarch Company, Belleville, Ill. Stove construction. 2,029,578; Feb. 4.

Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,029,534; Feb. 4.

Knapp-Monarch Company. (See Knapp, A. H., and Smith, assignors.)

Knapp-Monarch Company. (See Kochner, William B., assignor.)

Knapp-Monarch Company. (See Smith, Howard, assignor.)

Knapp-Monarch Company. (See Smith, John M., assignor.)

Knight, Donald H., assignor to Refrigeration Research Corporation, Brooklyn, N. Y. Air conditioning method and apparatus. 2,029,425; Feb. 4.

Knudsen, Charles O., Brooklyn, N. Y. Air conditioner and water heating system. 2,029,574; Feb. 4.

Knudsen, Peder M., Katonah, N. Y. Identification device. 2,029,577; Feb. 4.

Koch, Earl L., Chicago, Ill., assignor, by mesne assignments, to Earl L. Koch Holding Corporation, New York, N. Y. Negative resistance crystal controlled oscillator. 2,029,466; Feb. 4.

Koch, Earl L., Holding Corporation. (See Koch, Earl L., assignor.)

Kocher, Edward H., Boonton, N. J., assignor to Avco Research Corporation. Compression tubing coupling. 2,029,326; Feb. 4.

Kochner, William B., assignor to Knapp-Monarch Company, St. Louis, Mo. Toaster base assembly. 2,029,575; Feb. 4.

Kohl, Charles E., Harvey, Ill., assignor to Western-Austin Company. Transport truck. 2,029,480; Feb. 4.

Kolb, Viktor, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Apparatus for burning low-grade fuels, especially refuse. 2,029,576; Feb. 4.

Koons, Charles V., assignor to American Engineering Company, Philadelphia, Pa. Steering mechanism. 2,029,378; Feb. 4.

Koons, Sydney R., Cleveland, Ohio. Attachable handle for paper cups. 2,029,430; Feb. 4.

Kooperative Forbundet Forening u. p. a. (See Boving, F. W., Barsqvist, and Gimson, assignors.)

Koptnski, Louis, Cicero, assignor to John E. Post & Company, Chicago, Ill. Tubular condenser. 2,029,490; Feb. 4.

Kraemmer, Henry E., Hempstead, N. Y. Aircraft. 2,029,719; Feb. 4.

Krantz, Hubert F., West Palm Beach, assignor to Recording Card Table Company, Inc., West Palm Beach, Fla. Recording safety game board. 1,029,725; Feb. 4.

Kroll, Wilhelm, Luxembourg. Nitrided steel and its production. 2,029,724; Feb. 4.

Kruchenberg, Franz, et al. (See Black, Willy, assignor.)

Kublanow, Joseph, Pittsburgh, Pa. Reinforced wall structure. 2,029,578; Feb. 4.

Kuhner, Max H., assignor to Riley Stoker Corporation, Worcester, Mass. Method and apparatus for burning sewage sludge. 2,029,729; Feb. 4.

Laabs, Eric H., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for printing presses. 2,029,726; Feb. 4.

La Costa, Arnaud. (See David, Willie H., assignor.)

Landis Tool Company. (See Stoiber, A. P., Wise, and Baleiger, assignors.)

Lane, Wilfred G., assignor to The Technicraft Engineering Corporation, Los Angeles, Calif. Controlling deep well gunsire for perforating casings. 2,029,490; Feb. 4.

Lane, Wilfred G., assignor to The Technicraft Engineering Corporation, Los Angeles, Calif. Gun-type formation tester. 2,029,491; Feb. 4.

Lanzel, Adrian L., Chicago, Ill., assignor to Chicago Metallic Manufacturing Company. Punching apparatus. 2,030,030; Feb. 4.

Lanston Monotype Machine Company. (See Isbell, Maurice C., assignor.)

La Pointe, William R., Los Angeles, Calif., assignor to Louis E. Hildreth, Columbus, Ohio. Bumper. 2,029,634; Feb. 4.

Laska, Leopold, and O. Haller, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Symmetrical di-(arylamino)-hydroxyterphenes and preparing them. 2,029,727; Feb. 4.

Lassiter, Lemuel L., Greensboro, N. C. Baking a loaf of bread. 2,029,464; Feb. 4.

Lautscher, Josef, Wandsbek-Hinsberg, Germany. Silencer. 2,030,040; Feb. 4.

Lawton, Robert E., assignor to Weber Costello Co., Chicago Heights, Ill. Map cabinet. 2,029,586; Feb. 4.

Leahy, Francis T., Jr., Brookline, Mass. Automatic sensing control for radio communication apparatus. 2,029,779; Feb. 4.

Le Blond, R. K., Machine Tool Company, The. (See Groton, W. F., and Meyer, assignors.)

Le Boeuf, Arthur W., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Machine for winding electrical coils. 2,029,577; Feb. 4.

Leberle, Hubert, Ludwigshafen-on-the-Rhine, Germany. Red pigments. 2,030,049; Feb. 4.

Lee, James E., O. T. Gyllock, and F. Barney, assignors to The Challenge Machinery Company, Grand Haven, Mich. Paper slitting and slotting machine. 2,029,624; Feb. 4.

Lee, James E., J. W. Lee, O. T. Gyllock, and F. Barney, assignors to The Challenge Machinery Company, Grand Haven, Mich. Wax-coated paper cutter. 2,029,625; Feb. 4.

Lee, James W. (See Lee, James E. and J. W., Gyllock, and Barney.)

Le Film Graphana, Societé Anonyme. (See Berrabeim, Roger, assignor.)

Leibe, Frank A. (See Green, E. L., and Leibe.)

Lembke, Halford, Seattle, Wash. Combination power tool. 2,029,626; Feb. 4.

Lewando, Felix J., South Boston, assignor to Gillette Safety Razor Company, Boston, Mass. Protected blade for safety razors. 2,029,625; Feb. 4.

Lewis, Charles H. (See Urbain, Oliver M., assignor.)

Lewis, Charles H. (See Urbain, O. M., and Stenzel, assignors.)

Lewis, Robert J., Baltimore, Md. Portable container. 2,029,481; Feb. 4.

L'Hollier, Leslie H. (See Diller, A. L., and L'Hollier.)

L'Hollier, Leslie H., Waltham, and A. L. Diller, Belmont, assignors to Hood Rubber Company, Inc., Watertown, Mass. Making ornamented rubber articles. 2,029,579; Feb. 4.

Liberty Mirror Works. (See Colbert, William H., assignor.)

Liechty, Hermann, Bern, Switzerland. Articulated truck vehicle. 2,030,010; Feb. 4.

Lierley, Clarence B., Los Angeles, Calif. Scrubbing mit. 2,029,626; Feb. 4.

Liesen & Co. (See Truelsen, Heinrich C., assignor.)

Linde Air Products Company, The. (See Bliss, Lyman A., assignor.)

Lindley, George W., Philadelphia, Pa. Knitting machine. 2,029,879; Feb. 4.

Lindley, George W., Philadelphia, Pa. Elastic fabric. 2,029,880; Feb. 4.

Lindner, Karl A., Roselle Park, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Metallurgical furnace of the suspended arch type. 2,029,492; Feb. 4.

Line Material Company. (See Earle, Ralph H., assignor.)

Line Material Company. (See Schultz, W. O., and Steinmayer, assignors.)

Link, Harry W., assignor, by mesne assignments, to American Engineering Company, Philadelphia, Pa. Fluid control device. 2,029,468; Feb. 4.

Lippincott, Walter M., Lynbrook, N. Y., assignor to Potter, Pierce & Schneider, Washington, D. C. Automatic lubricating mechanism. 2,029,827; Feb. 4.

Little, William T., Westfield, N. J., assignor, by mesne assignments, to American Zirconium Corporation, Baltimore, Md. Producing titanium dioxide. 2,029,581; Feb. 4.

Ljungström, Erik Lidman-Brevik, assignor to Aktiebolaget Transiteria, Stockholm, Sweden. Condenser. 2,029,328; Feb. 4.

Ljungström, Erik Lidman-Brevik, assignor to Aktiebolaget ignora to Aktiebolaget Transiteria, Stockholm, Sweden. Device for opening cans. 2,029,329; Feb. 4.

Lloyd, Richard L., Great Neck, N. Y., and R. W. Hyde, Summit, N. J., assignors to Dwight & Lloyd Metallurgical Company, New York, N. Y. Manufacture of basic refractory material. 2,029,637; Feb. 4.

Loewenthal, Bert, New York, N. Y., assignor to Federal Tobacco Corporation. Treatment of tobacco. 2,029,494; Feb. 4.

Logan, William B. (See Halpern, M., Logan, Manley, and Ullrich.)

Lord, Edward L., Glenside, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Controlling the charge and discharge of a storage battery. 2,029,628; Feb. 4.

Low, Frank E. (See Anderson, L. T., and Low.)

Low, Frank E. (See Johnson, L. H., and Low.)

Lowe, Frank A., San Francisco, Calif. Surgical instrument. 2,029,496; Feb. 4.

Lowry, Robert D., and F. L. Reynolds, assignors to The Dow Chemical Company, Midland, Mich. Rolling magnesium alloys. 2,029,729; Feb. 4.

Lubin, David J. H., San Francisco, Calif. Apparatus for preparing blood films for the methods of differential counts. 2,029,498; Feb. 4.

Lubosher, Benjamin B., Harrow, England. Cinematographic apparatus. 2,029,782; Feb. 4.

Lucas, Kurt, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Deformable plate for variable condensers. 2,029,587; Feb. 4.

Lucas, René, assignor to Compagnie Generale de Telegraphie Sans Fil, Paris, France. Piezo-electric quartz crystal. 2,029,729; Feb. 4.

Lucy, Richard W., Elizabeth, N. J., assignor to Eastman Kodak Company, Rochester, N. Y. Calibrating unit. 2,029,929; Feb. 4.

Lucidol Corporation. (See Vincent Hooft, Francisous, assignor.)

Lutz, Leo C., assignor to The Atchison Revolving Door Co., Independence, Kans. Wind shield. 2,029,643; Feb. 4.

Lyman, Kenneth R., Lake Forest, Ill. Automatic clutch. 2,029,538; Feb. 4.

M and M Company, The. (See McLean, John C., assignor.)

Macallum, Alexander D., Niagara Falls, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Decomposition of solutions. 2,029,824; Feb. 4.

MacCubbin, Alexander A., Montclair, and J. Haverstalk, Jr., Harrington, N. J., assignors to The Barrett Company, New York, N. Y. Distillation of tar. 2,029,683; Feb. 4.

MacLennan, Duncan T. S., Balham, London, assignor to Germint Limited, London, England. Electrically-operated cigarette lighter. 2,030,011; Feb. 4.

Magnesium Development Corporation. (See Schmidt, W., and Beck, assignors.)

Magnesium Development Corporation. (See Wagner, Karl F., assignor.)

Maiser, Georg, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Flashlight. 2,029,578; Feb. 4.

Maier, Christian, Tubingen, Germany. Machine for continuously inserting bottoms and lids in finished vessel walls of paper, cardboard, and the like. 2,029,827; Feb. 4.

Mainert, Ludwig A., Detroit, Mich. Brake mechanism. 2,029,884; Feb. 4.

Mahina, Rudolph F., Little Rock, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Combined recorder and reproducer. 2,029,720; Feb. 4.

Mallory, Marion, Detroit, Mich., assignor to Mallory Research Company, Toledo, Ohio. Ignition timer and coil. 2,030,012; Feb. 4.

Mallory Research Company. (See Mallory, Marion, assignee.)

Manley, Robert E. (See Halpern, M., Logan, Manley, and Ullrich.)

Mann, Leon, Mount Vernon, N. Y. Box dismembering machine. 2,029,585; Feb. 4.

Manning, Sanford E., assignor to The R. S. M. Company, Inc., Houston, Tex. Apparatus for and method of cementing wells. 2,029,380; Feb. 4.

Manton-Gaulin Manufacturing Company. (See Clark, John A., assignor.)

Manufacture de Machines du Haut-Rhin S. A. (See Sautier, Emile, assignor.)

Marcy, Daniel, Upper Montclair, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y. System and apparatus for release of fluids. 2,029,629; Feb. 4.

Märklin Apparatebau Gesellschaft mit beschrankter tung. (See Markwart, Walter, assignor.)

Markowicz, Frank, Detroit, Mich. Scriber indicator. 2,029,823; Feb. 4.

Markwart, Walter, Chemnitz Niederwiesa, assignor to Märklin Apparatebau Gesellschaft mit beschrankter Haftung, Chemnitz, Germany. Carburetor. 2,029,666; Feb. 4.

Marshall, Charles O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Computing weighing scale. 2,030,013; Feb. 4.

Marshall, Charles X., Chicago, Ill. Lawn canopy. 2,029,830; Feb. 4.

Martin, Louis D., assignor to Eastman Kodak Company, Rochester, N. Y. Cam follower for a strip advancing mechanism. 2,029,930; Feb. 4.

Martin, Marvin G., assignor to The J. G. Brill Company, Philadelphia, Pa. Metal door. 2,029,492; Feb. 4.

Martinson, Carl J., Wayzata, Minn. Double glazing window sash and doors. 2,029,541; Feb. 4.

Mathews, George W., and C. J. Beast, Orlando, Fla. Method and apparatus for preserving food products. 2,030,014; Feb. 4.

Mathieson Alkali Works, Inc., The. (See Day, George G., assignor.)

Matt, George J., Brooklyn, assignor to Roberts Numbering Machine Company, Brooklyn, N. Y. Numbering head wheel and making same. 2,029,887; Feb. 4.

Maurer, Theodore H., Richmond Hill, N. Y. Self-feeding pencil. 2,029,781; Feb. 4.

Maus, Louis, Baldwin, N. Y. Strap fastener. 2,029,830; Feb. 4.

Maxwell, Charles J., Dallas, Tex. Program clock. 2,029,667; Feb. 4.

Mayer, Moses K., and S. C. Friedman, Springfield, Mass. Fuel feeding apparatus. 2,029,780; Feb. 4.

McCarthy, Lionel F., Durrweston Mews, England. Suction nozzle or vacuum cleaning apparatus. 2,029,668; Feb. 4.

McCarthy, Zollie H., Manhasset, assignor to Western Electric Company, Incorporated, New York, N. Y. Floor. 2,029,732; Feb. 4.

McCaskey Register Company, The. (See Clark, Harold W., assignor.)

McConnell, Elliott B., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Treatment of cracked petroleum distillates. 2,030,033; Feb. 4.

McCullough, Ira J., Huntington Park, assignor to James A. Kammerdiner, Los Angeles, Calif. Jarring tool. 2,029,579; Feb. 4.

McCurdy, John E., Virginia, Minn. Apparatus for forming and surveying earth cores. 2,030,015; Feb. 4.

McGraw Electric Company. (See Schaaf, Frank W., assignor.)

McIntosh, William F., Charlestown, Mass. Electrical receptacle plug. 2,030,016; Feb. 4.

McLean, John C., assignor to The M and M Company, Cleveland, Ohio. Receiving and transferring device. 2,029,751; Feb. 4.

McMichael, Samuel, Round Hill, assignor, by mesne assignments, of one-fifth to Rachel C. Smith, Berryville, Va. Water pipe. 2,029,620; Feb. 4.

McNally, James G., assignor to Eastman Kodak Company, Rochester, N. Y. Laminated glass and making the same. 2,029,951; Feb. 4.

McNeil, William M., assignor to United States Gypsum Company, Chicago, Ill. Bag filling machine. 2,029,735; Feb. 4.

McWilliams Dredging Company. (See Ewing, Williard R., assignor.)

Mead, Samuel M., Amesbury, Mass. Motor brush assembly. 2,029,782; Feb. 4.

Meininghaus, Ulrich, Mulheim-Ruhr, Germany. Apparatus for regulating turbomachines. 2,029,331; Feb. 4.

Mettsler, Charles R., assignor of one-half to O. H. Pieper and one-half to A. F. Pieper, Rochester, N. Y. Dental syringe. 2,029,734; Feb. 4.

Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Coking of hydrocarbon oils. 2,029,783; Feb. 4.

Mennie, Robert S., Montclair, N. J. Ball lubricator. 2,029,828; Feb. 4.

Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)

Mergenthaler Linotype Company. (See Stouges, Anthony J., assignor.)

Mergenthaler Linotype Company. (See Wunsch, Paul, assignor.)

Merkt, Gustav A., Worcester, assignor to Morgan Construction Company, Worcester, Mass. Combustion conditioning system for soaking pits. 2,029,580; Feb. 4.

Merriam, Jesse R., assignor to Waukesha Motor Company, Waukesha, Wis. Intake valve deflector. 2,029,581; Feb. 4.

Merrill, Allan B., and G. H. Stewart, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Endless belt. 2,029,381; Feb. 4.

Merrill, David R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Producing high molecular weight compounds from petroleum oil. 2,029,382; Feb. 4.

Messier, George L. R. J., deceased, late of Paris, France, by Y. L. Messier, born Bonnamy, administratrix, Paris, France. System for ensuring fluid-tightness for horizontal hydraulic cylinders. 2,029,829; Feb. 4.

Messier, Yvonne L., administratrix. (See Messier, George L. R. J.)

Metallgesellschaft Aktiengesellschaft. (See Petersen, A. E., and Gensecke, assignors.)

Metropolitan Engineering Company. (See Murray, Thomas E., assignor.)

Metzger, Henry L., Castleton-on-Hudson, assignor to Fort Orange Paper Company, Castleton-on-Hudson, N. Y. Box. 2,029,588; Feb. 4.

Meyer, Fred C., Paterson, and G. M. Moffitt, East Paterson, assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Pothead. 2,029,332; Feb. 4.

Meyer, Walter R. (See Groene, W. F., and Meyer.)

Mihalyi, Joseph, Rochester, assignor to Eastman Kodak Company, Rochester, N. Y. Range finder for cameras. 2,029,932; Feb. 4.

Mille, Raymond, Auberviliers, France. Automatic smoke preventer. 2,030,017; Feb. 4.

Miller, DeMont G., San Marino, assignor to Johnston Pump Company, Los Angeles, Calif. Turbine well pump. 2,029,338; Feb. 4.

Miller, George J. (See Paulson, George, assignor.)

Millmoe, Michael J., assignor to F. B. Redington Company, Chicago, Ill. Razor blade packaging machine. 2,029,933; Feb. 4.

Millmoe, Michael J., assignor to F. B. Redington Co., Chicago, Ill. Gum wrapping machine. 2,029,934; Feb. 4.

Millmoe, Michael J., assignor to F. B. Redington Co., Chicago, Ill. Carton feeding mechanism. 2,029,935; Feb. 4.

Minneapolis-Honeywell Regulator Company. (See Cunningham, Lewis L., assignor.)

Minneapolis-Honeywell Regulator Company. (See Gille, Willis H., assignor.)

Minneapolis-Honeywell Regulator Company. (See Taylor, Daniel G., assignor.)

Minott, Daniel L., assignor of one-half to E. F. Tuggle, and one-half to H. R. Blatzdorf, Portland, Oreg. Automotive body and frame. 2,029,735; Feb. 4.

Mitchell, Earle A. (See Moody, C. F., and Mitchell.)

Mitchell, John K., Bryn Mawr, Pa. Game table. 2,029,433; Feb. 4.

Mitchell, John K., Bryn Mawr, Pa. Table construction. 2,029,434; Feb. 4.

Moffitt, George R. (See Meyer, F. C., and Moffitt.)

Moldenhauer, Gustav C., Manitowoc, Wis. Folding dip or minnow net bow. 2,029,582; Feb. 4.

Molk, Solomon, Lynn, Mass. Securing heels to shoes. 2,029,497; Feb. 4.

Montgomery, W. P., et al. (See James, Cleveland A., assignor.)

Moody, Charles F., Yonkers, and E. A. Mitchell, Hastings-on-the-Hudson, assignors to Phelps Dodge Copper Products Corporation, New York, N. Y. Apparatus for producing sheathed articles. 2,029,435; Feb. 4.

Moore, Guy S., Salem, assignor of fifty-one per cent to E. B. Fraser, Lynn, and twenty-four per cent to F. H. Rowe, Gloucester, Mass. Centrifugal electrical mercury switch. 2,029,632; Feb. 4.

Moran, William R. J., Rutherford Springs, Texas. Fly screen. 2,029,229; Feb. 4.

Morf, Ernest, La Chaux-de-Fonds, Switzerland. Watertight watchcase. 2,029,784; Feb. 4.

Morgan Construction Company. (See Merkt, Gustav A., assignor.)

Morgan, Gilbert. (See Herbert, James A., assignor.)

Morgan, John E., Jr., Inglewood, and D. A. Murphy, Torrance, Calif., assignors to The National Superior Company, Toledo, Ohio. Swivel. 2,029,681; Feb. 4.

Morganstern, Charles R., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Ironing machine. 2,029,883; Feb. 4.

Morin, Henry L., Holyoke, Mass. Safety feeding device for wringers. 2,029,936; Feb. 4.

Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oil. 2,029,766; Feb. 4.

Morrison, Montford, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc. X-ray system for reducing steepness of wave front. 2,029,636; Feb. 4.

Morsbach, Kurt, Berlin-Zehlendorf, Germany. Motion picture camera. 2,029,736; Feb. 4.

Morton, Avery A., Watertown, and J. R. Stevens, Cambridge, Mass. Preparation of cyanuric of the triphenylmethane series and related substances. 2,029,588; Feb. 4.

Mouilbau, Jules, assignor to Société du Caoutchouc Manufacturé, Paris, France. Apparel belt. 2,030,010; Feb. 4.

Mueller Brass Co. (See Hill, Charles A., assignor.)

Mueller, Erwin H., Grosse Pointe Park, Mich. Attaching means for handles. 2,029,737; Feb. 4.

Mueller, Fritz. (See Kircher, C., Mueller, and Steenguth.)

Muggleton, Gerald D. (See Wells, Sidney D., assignor.)

Muhleisen, Karl, assignor to Schutte & Koerting Company, Philadelphia, Pa. Flow indicator. 2,029,632; Feb. 4.

Muller, Raymond W. (See Buttfield, A. C., and Muller.)

Murphy, Dewsery A. (See Morgan, J. E., Jr., and Murphy.)

Murphy, Dewsery A. (See Timbs, R., and Murphy.)

Murphy, Dewsery A. (See Morgan, J. E., Jr., and Murphy.)

Murray, John F., executor et al. (See Murray, Thomas E.)

Murray, Joseph R., executor et al. (See Murray, Thomas E.)

Murray, Thomas E., deceased, by J. F., J. R., and T. E. Murray, Jr., executors, Brooklyn, N. Y., assignors to Metropolitan Engineering Company. Heat conducting tube. 2,029,437; Feb. 4.

Murray, Thomas E., Jr., executor et al. (See Murray, Thomas E.)

Myddleton, William W., Hanworth, assignor to Robinson Bindley Processes Limited, Sutton, England. Catalyst. 2,029,786; Feb. 4.

Nagel-Chase Mfg. Co., The. (See Schultz, Edward, assignor.)

Nall, Bismer L., Wheaton, Ill. Liquid dispensing device. 2,029,334; Feb. 4.

National Malleable and Steel Castings Company. (See Buchtien, Albert O., assignor.)

National Superior Company, The. (See Morgan, J. E., Jr., and Murphy, assignors.)

National Superior Company, The. (See Timbs, R., and Murphy, assignors.)

Nelson, Axel. (See Petersen, Charles, assignor.)

Nelson, James C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Combined washing and drying machine. 2,029,937; Feb. 4.

Nestler, Albert, Actien Gesellschaft. (See Stahl, Wilhelm, assignor.)

Neugebauer, Hans. (See Fischer, F., Strecker, and Neugebauer.)

New England Box Company, The. (See Tufts, N., and Johnson, assignors.)

New Jersey Optical Company. (See Durgin, Edgar R., assignor.)

Newman, David F., Rockville Centre, N. Y., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection apparatus. 2,029,938; Feb. 4.

Newman, Delbert F., Schenectady, N. Y., assignor to General Electric Company. Condenser for refrigerating machines. 2,029,590; Feb. 4.

Newman, Delbert F., Schenectady, N. Y., assignor to General Electric Company. Condenser for refrigerating machines. 2,029,591; Feb. 4.

Newman, L., & Sons, Inc. (See Klispert, Joseph J., assignor.)

Newson, Joseph N., St. Louis, Mo. Hollowtile floor. 2,030,024; Feb. 4.

Newton, Herbert E., Brookline, Mass. Lawn mower. 2,029,194; Feb. 4.

New Zealand Dillin-Stewart Engine Company Limited, The. (See Dillin, G. S., and Stewart, assignors.)

Niacet Chemicals Corporation. (See Carr, O. J., and Dodds, assignors.)

Niccolai, Eugenio, Rome, Italy. Hydrostatic valve, more particularly for siphon discharge apparatus. 2,029,939; Feb. 4.

Nisbert, Joseph R., New York, N. Y. Condensation product and process. 2,029,592; Feb. 4.

Nisetema Hundred Corporation. (See Morgenstern, Charles E., assignor.)

Nordstrom, Sven J., Piedmont, assignor to Marco Nordstrom Valve Company, San Francisco, Calif. Plug valve. 1,029,438; Feb. 4.

Northam Warren Corporation. (See Reichle, Hans, assignor.)

Northern Equipment Company. (See Hunter, William L., assignor.)

Norton, Allen B., and M. Guyot, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Metal mold. 2,029,490; Feb. 4.

Nowosielski, Edward B., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Spark plug. 2,029,660; Feb. 4.

Obenchain, John A., Tampa, Fla. Sash lock. 2,029,583; Feb. 4.

Oberhoffken, Alexander, and H. Haaltz, assignors to Ingersoll Milling Machine Company, Rockford, Ill. Control mechanism for machine tools. 2,029,330; Feb. 4.

O'Brien, Willis H., Los Angeles, Calif., assignor to Radio Corporation of America. Composite picture. 2,029,500; Feb. 4.

Ochiltree, Ned A., Peoria, Ill., assignor to Concrete Engineering Company, Omaha, Nebr. Fence post. 2,029,439; Feb. 4.

Ohler, Albert A., Detroit, Mich. Foot protecting device for skaters. 2,029,787; Feb. 4.

Oliger Company, The. (See Douglas, J. K., and Holden, assignors.)

Okonite-Callender Cable Company, The. (See Meyer, F. C., and Moffitt, assignors.)

Olmsted, Russell C., Cliffside, N. J. Roadway construction. 2,029,892; Feb. 4.

Olson, Mark, Detroit, Mich. Hydraulic heat regulator. 2,029,440; Feb. 4.

Olson, Karl B. (See Seving, F. W., Berggvist, and Olson.)

Olson, Olof A. (See Ljungstrom, B., and Olson.)

Oswald, Philipp, Hofheim, and W. Geisler, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of alkali nitrate. 2,029,738; Feb. 4.

Ostling, William, Los Angeles, Calif., assignor to The Pyrate Corporation of Nevada. Tank washing apparatus. 2,029,788; Feb. 4.

Package Machinery Company. (See Fuller, Frederic B., assignor.)

Packard Motor Car Company, The. (See Knapp, Archer L., assignor.)

Page, Alexander G., assignor to Union Oil Company of California, Los Angeles, Calif. Method and apparatus for distillation of oil. 2,029,501; Feb. 4.

Pilsson, Bror, Malmo, Sweden. Fire extinguishing apparatus. 2,029,896; Feb. 4.

Parker, William B., Placerville, assignor to California Spray-Chemical Corporation, Berkeley, Calif. Nozzle. 2,029,357; Feb. 4.

Parker, William B., Placerville, assignor to California Spray-Chemical Corporation, Berkeley, Calif. Impinging nozzle. 2,029,358; Feb. 4.

Parkhurst, George L., assignor to Standard Oil Company, Chicago, Ill. Solvent fractionation. 2,029,089; Feb. 4.

Parkinson, John S., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Acoustical structure. 2,029,441; Feb. 4.

Parks, Roland D., Houghton Village, Mich. Tieldable support. 2,029,789; Feb. 4.

Patentaktiebolaget Grondal-Ramen. (See Haglund, Gustaf, assignor.)

Paulson, George, assignor of one-third to G. J. Miller, Erie, Pa. Automatic control system for automobile lights. 2,029,502; Feb. 4.

Pavek, Edward, Minneapolis, Minn. Metal fence post. 2,029,739; Feb. 4.

Pembroke Chemical Corporation. (See Kerschbaum, F. P., Wargaman, and Gooch, assignors.)

Peperkorn, Richarch, Kassel-Wilhelmshoe, Germany, assignor to The Superheater Company, New York, N. Y. Superheater. 2,029,894; Feb. 4.

Perkins, Julius L., West Springfield, Mass. Machine tool. 2,029,335; Feb. 4.

Perkins, Melvin A., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic tellurium compounds and preparing the same. 2,030,036; Feb. 4.

Perry, Stanley. (See Schroeder, O. C., and Perry.)

Peter, Charles, West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pneumatic drive system. 2,029,684; Feb. 4.

Petersen, Alfred H., Frankfort-on-the-Main, Germany, and W. Gensecke, Gross-Steinheim, near Frankfort-on-the-Main, Germany, assignors to Metallgesellschaft Aktiengesellschaft, Frankfort-on-the-Main, Germany. Concentrating rubber latices. 2,029,681; Feb. 4.

Petersen, Charles, Iron Mountain, Mich., assignor of forty per cent to Axel Nelson, Florence, Wis. Automatic change pitch propeller. 2,029,503; Feb. 4.

Petrus-Blumberger, Josef B., Delft, Netherlands, assignor to General Aniline Works, Inc., New York, N. Y. Anodyestuffs. 2,029,586; Feb. 4.

Peyton, William C., New York, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive tender. 2,029,891; Feb. 4.

Phelps Dodge Copper Products Corporation. (See Moody, C. F., and Mitchell, assignors.)

Philipp, Robert H., assignor to Corballogesellschaft m. b. H., Reutlingen, Germany. Ringing device for ball games. 2,029,790; Feb. 4.

Phillips Petroleum Company. (See Frey, F. H., Huppke, and Guyer, assignors.)

Phillips Petroleum Company. (See Guyer, J. A., Frey, and Huppke, assignors.)

Pieper, Alphonse F., et al. (See Mettsler, Charles R., assignor.)

Pieper, Henri, Brussels, Belgium. Brake system. 2,029,670; Feb. 4.

Pieper, Oscar H., et al. (See Mettsler, Charles R., assignor.)

Pieper, Oscar H., Rochester, N. Y. Connecter for X-ray tubes. 2,029,584; Feb. 4.

Pierce, John B., Foundation. (See Davison, Robert L., assignor.)

Pierson, William D., assignor to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn. Belt driven wire spooler. 2,029,832; Feb. 4.

Placia, William, Altoona, Pa. Micrometer. 2,029,940; Feb. 4.

Pine, Paul R., assignor to The Harshaw Chemical Company, Elyria, Ohio. Depositing metals electrolytically. 2,029,336; Feb. 4.

Pine, Paul R., assignor to The Harshaw Chemical Company, Elyria, Ohio. Electrodeposition. 2,029,337; Feb. 4.

Pipenhagen, Charles A. (See Tyler, Herbert B., assignor.)

Pirich, George, Minneapolis, Minn. Weeder and seeder. 2,029,333; Feb. 4.

Plachino, Giuseppe, West New York, N. J. Hair clipper blade. 2,029,791; Feb. 4.

Plachino, Giuseppe, West New York, N. J. Hair cutting comb. 2,029,792; Feb. 4.

Pohl, Karl, et al. (See Arfsten, Newton, assignor.)

Pokorney, Henry, Rome, N. Y. Internal combustion engine "Diesel". 2,029,941; Feb. 4.

Polin, Herbert S., assignor to Polin, Inc., New York, N. Y. Remote control system. 2,029,542; Feb. 4.

Polin, Inc. (See Polin, Herbert S., assignor.)

Porteous, William, Fresno, Calif. Trailer. 2,029,540; Feb. 4.

Potter, Pierce & Scheffler. (See Lippincott, Walter M., assignor.)

Pratt, Charles A., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 2,029,795; Feb. 4.

Prentice, George H., Berlin, Conn. Fastener unit. 2,029,585; Feb. 4.

Prentice, James M., assignor to The Electric Game Company, Holyoke, Mass. Electrically operated game apparatus. 2,029,534; Feb. 4.

Prince, Marius D., Los Angeles, Calif. Separating device. 2,029,671; Feb. 4.

Procter & Gamble Company, The. (See Reed, Robert M., assignor.)

Proctor & Schwartz, Incorporated. (See Schwartz, Walter M., assignor.)

Pyrate Corporation of Nevada, The. (See Ostling, William, assignor.)

Pyrate Corporation of Nevada, The. (See Richard, Clare, assignor.)

Pyrene Manufacturing Company. (See Dodelin, Fred A., assignor.)

Quaker State Oil Refining Company. (See Talbot, Frank A., assignor.)

R. K. M. Company, The. (See Manning, Sanford E., assignor.)

R. U. V. Engineering Corporation, The. (See Creighton, H. M., and Berndt, assignors.)

Rabinowitz, Julius, New York, N. Y. Composite strip. 2,029,442; Feb. 4.

Radio Corporation of America. (See deBoer, J. H., Bruynes, and Teves, assignors.)

Radio Corporation of America. (See O'Brien, Willis H., assignor.)

Radio Corporation of America. Ringel, Abraham, assignor.)

Radio Corporation of America. (See Smith, Theodore A., assignor.)

Radio Corporation of America. (See van Geel, W. C., and Emmens, assignors.)

Ragatz, Edward G., assignor to Union Oil Company of California, Los Angeles, Calif. Producing oxidized asphalts. 2,029,504; Feb. 4.

Ralson, Alfred H. Sandviken, Sweden. Flat plate for laterally joining two or more metallic strips. 2,029,635; Feb. 4.

Rankin, Henry L., Tampa, Fla. Oil-level gauge. 2,029,572; Feb. 4.

Rapaport, Nahan, and R. W. Armstrong, Belfast, Northern Ireland, and O. G. Hutchinson, Brighton, England. Sewing machine. 2,029,943; Feb. 4.

Rawson, Emanuel, North Bergen, N. J., assignor to The Superheater Company, New York, N. Y. Balanced automatic valve. 2,029,595; Feb. 4.

Recording Card Table Company. (See Krantz, Hubert F., assignor.)

Redington, F. B., Co. (See Millmoe, Michael J., assignor.)

Reed, Harold V., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,029,339; Feb. 4.

Reed, Robert M., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Soap stabilizer. 2,029,506; Feb. 4.

Refrigeration Research Corporation. (See Knight, Donald B., assignor.)

Reichle, Hans Braux, assignor to Northam Warren Corporation, New York, N. Y. Applicator. 2,029,835; Feb. 4.

Reilly, Peter C. (See Derby, I. H., and Horner, assignors.)

Reiners, Wilhelm, and G. Kahlisch, Gladbach, assignors to W. Schlafhorst & Co., Gladbach, Rheydt, Germany. Yarn and thread tensioning mechanism for cop winding and like textile machines. 2,029,943; Feb. 4.

Reiss, Winold, New York, N. Y. Creating and displaying decorative effects with light. 2,029,543; Feb. 4.

Rendoff, Philip R., Toledo, Ohio. Cement block. 2,029,586; Feb. 4.

Republic Steel Corporation. (See Burke, Bart L., assignor.)

Rettstadt, Hugo, Aldan, Pa. Tool handle fastening. 2,029,794; Feb. 4.

Reynolds, Fred L. (See Lowry, R. D., and Reynolds.)

Richard, Clare, Los Angeles, Calif., assignor to The Pyrate Corporation of Nevada. Apparatus for cleaning tanks and the like. 2,029,795; Feb. 4.

Richard, Clement C., et al. (See Kain, Clifford H., assignor.)

Richardson, Thomas A., Verona, and C. W. Dawson, Oakmont, assignors to Woodings-Verona Tool Works, Verona, Pa. Head shaping machine. 2,029,336; Feb. 4.

Richard, Eric M., assignor to The Western Union Telegraph Company, New York, N. Y. Selective signaling device. 2,029,636; Feb. 4.

Ricks, Fred, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Counter-shaping machine. 2,029,544; Feb. 4.

Ridgely Trimmer Company, The. (See Friermood, Charles L., assignor.)

Riley Stoker Corporation. (See Kuhner, Max H., assignor.)

Ringel, Abraham, Merchantville, N. J., assignor to Radio Corporation of America. Recording and reproduction of electrical impulses. 2,029,889; Feb. 4.

Ripper, Kurt, Vienna, Austria. Molding composition and molded articles made therefrom. 2,029,836; Feb. 4.

Ripper, Kurt, Vienna, Austria. Making condensation products. 2,029,893; Feb. 4.

Ripper, Kurt, Vienna, Austria. Molding composition. 2,029,894; Feb. 4.

Rittmeister, Wilhelm, Dessau, Anhalt, Germany, assignor, by mesne assignments, to E. I. du Pont de Nemours & Co., Wilmington, Del. Procedure for the hydrogenizing and/or splitting of coal tars, mineral oils, and the like. 2,029,895; Feb. 4.

Rivera, Charles, et al. (See Jones, David, assignor.)

Riverside Sheet Metal Works, Inc. (See Summerhays, Harold F., assignor.)

Roberts Numbering Machine Company. (See Matt, George J., assignor.)

Robertson, H. H., Company. (See Sargent, Edward B., assignor.)

Robinson Bindley Processes Limited. (See Myddleton, William W., assignor.)

Robinson, Jack, Wood River, Ill., assignor to Standard Oil Company, Chicago, Ill. Countercurrent contactor. 2,029,691; Feb. 4.

Rockwell, Edward A., New York, N. Y. Combined free-wheeling and power brake unit. 2,029,637; Feb. 4.

Roddy, Vincent J., assignor to American Screw Company, Providence, R. I. Recess forming punch and holder. 2,029,944; Feb. 4.

Rode, Fredrich J., Toledo, Ohio. Hydraulic cushion. 2,029,587; Feb. 4.

Rodgers, Earle V., Kenilworth, N. J. Waterproofed plastic paper and producing the same. 2,029,390; Feb. 4.

Roosenstein, Hans O., W. Kautter and H. Rothe, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron discharge tube. 2,029,291; Feb. 4.

Roper, Geo. D., Corporation. (See Hobson, S. H., and Holtman, assignors.)

Rosenbloom, Israel, and R. Born, Pittsburgh, assignors to Ruffsdale Distilling Company, Braddock, Pa. Bottle closure. 2,029,896; Feb. 4.

Rosenthal, Leo, Leverkusen-Wiesdorf, and R. Hebermehl, Cologne-Deutz, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Film-forming compositions. 2,029,585; Feb. 4.

Rosbirt, Randolph J., A. T. Bateman, and A. Irvine, Detroit, assignors to Bohn Aluminum and Brass Corporation, Detroit, Mich. Permanent molding apparatus. 2,029,673; Feb. 4.

Rosner, Max, assignor to General Outdoor Advertising Co., Inc., Chicago, Ill. Earth anchor. 2,029,749; Feb. 4.

Ross, Lester T., assignor to The Burch Corporation, Crestline, Ohio. Snow plow. 2,029,545; Feb. 4.

Ross, Robert D. (See Sample, F. W., and Ross.)

Rossman, Allen M., Chicago, Ill., assignor to Rossman Engineering Company, Metal clad switching unit. 2,029,589; Feb. 4.

Rossman Engineering Company. (See Rossman, Allen M., assignor.)

Rothe, Horst. (See Roosenstein, H. O., Kautter, and Rothe.)

Rowe, Fred H., et al. (See Moore, Guy S., assignor.)

Roy, Damase J., North Attleboro, Mass. Window ventilator. 2,029,548; Feb. 4.

Royal, Thomas M., Philadelphia, Pa. Manufacture of bags. 2,029,940; Feb. 4.

Rubinstein, Milton M., Jersey City, N. J. Denture valve construction. 2,029,945; Feb. 4.

Ruffsdale Distilling Company. (See Rosenbloom, I., and Born, assignors.)

Ruppel, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company. Automatic lathe. 2,029,638; Feb. 4.

Ruske, Albert F. W., San Francisco, Calif. Roller skate. 2,029,893; Feb. 4.

Russell Manufacturing Company, The, et al. (See Tower, Elmer V. J., assignor.)

S. M. A. Corporation. (See Jersey, Vernon, assignor.)

Salomon, François M. M. E., Paris, France. Vibration dampener. 2,029,796; Feb. 4.

Sample, Fleck W., and R. D. Ross, assignors to American Flange & Manufacturing Company, Chicago, Ill. Pipe mechanism for mounting bushings. 2,029,541; Feb. 4.

Sanders, Omer T., Nashville, Tenn. Combination calendar and coin container. 2,029,443; Feb. 4.

Sargent, Allston. (See Campbell, H. B., and Sargent.)

Sargent & Company. (See Voight, Henry G., assignor.)

Sargent, Edward B., Mount Lebanon, assignor, by mesne assignments, to H. H. Robertson Company, Pittsburgh, Pa. Floor outlet fixture housing. 2,029,892; Feb. 4.

Sautier, Emile, Ensisheim, assignor to Manufacture de Machines du Haut-Rhin, S. A., Mulhouse-Bourtzwiller, Haut-Rhin, France. Apparatus for the manufacture of cups from which cartridge cases can be cold drawn. 2,029,797; Feb. 4.

Scharf, Frank W., Sioux City, Iowa, assignor to McGraw Electric Company, Chicago, Ill. Rotary motor or pump. 2,029,580; Feb. 4.

Schattel, Rudolph A., Rome, assignor to General Cable Corporation, New York, N. Y. Insulated conductor. 2,029,546; Feb. 4.

Schell, Herbert H. (See Ferguson, D., and Schell.)

Schellin, John C., Wooster, Ohio. Hose coupling thread terminals indicator. 2,029,799; Feb. 4.

Schilling, Ludwig, Poughkeepsie, N. Y. Electric iron. 2,029,807; Feb. 4.

Schindelbeck, Hans, and C. W. Schultis, Frankfort-on-the-Main, Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuffs. 2,029,591; Feb. 4.

Schlveley, Raymond F., Houston, Tex. Magazine loader. 2,029,444; Feb. 4.

Schlachter, Henry, Beatrice, Nebr. Windmill. 2,029,681; Feb. 4.

Schlafhorst, W., & Co. (See Reiners, W., and Kahlisch, assignors.)

Schlamp, Philip M., Miami, Fla. Window shade. 2,029,675; Feb. 4.

Schlesinger, Kurt, Berlin, Germany. Brake rim. 2,029,689; Feb. 4.

Schlesinger, Kurt, Berlin, Germany. Aerial arrangement for short wave television purposes. 2,029,640; Feb. 4.

Schlicher, Arthur G., Allentown, Pa. Folding sanitary roof or curtain. 2,029,676; Feb. 4.

Schmid, John V., Philadelphia, Pa. Blow-off valve. 2,029,827; Feb. 4.

Schmid, Max, Riehen, near Basel, assignor to Society of Chemical Industry in Basle, Switzerland. Making photographic emulsions. 2,029,942; Feb. 4.

Schmidt, Karl F., Ludwigshafen-on-the-Rhine, Germany, assignor to M. Nilhaber, Inc., Jersey City, N. J. Producing tetrazoles of the camphor group and products thereof. 2,029,789; Feb. 4.

Schmidt, Walther, and A. Beck, Bitterfeld, Germany, assignors, by mesne assignments, to Magnesium Development Corporation. Purifying magnesium. 2,029,891; Feb. 4.

Schmitt, Ruth M., New York, and C. M. Bell, New Rochelle, N. Y. Facial mask and making the same. 2,029,947; Feb. 4.

Schneider, Henry J., Quincy, Mass. Steam generator. 2,029,588; Feb. 4.

Schroeder, Oscar C., and S. Perry, said Perry, assignor to Automatic Burner Corporation, Chicago, Ill. Oil burner. 2,029,741; Feb. 4.

Schubert, Frank, Detroit, Mich., assignor to Bearings Company of America, Lancaster, Pa. Bearing. 2,029,445; Feb. 4.

Schubert, Paul, Berlin, assignor to Allgemeine Elektricitäts-Gesellschaft, Berlin, Germany. Driving gear for counting mechanisms. 2,029,677; Feb. 4.

Schütz, Anthony G., Los Angeles, Calif. Sound-producing device. 2,029,641; Feb. 4.

Schueler, Frederick C., assignor to Hudson Sharp Machine Company, Green Bay, Wis. Paper conveyor. 2,029,446; Feb. 4.

Schultis, Carl T. (See Schindelbeck, H., and Schultis.)

Schultz, Alfred, assignor to Standard Brands Incorporated, New York, N. Y. Manufacture of yeast. 2,029,893; Feb. 4.

Schultz Arthur P. (See Teller, J., and Schultz.)

Schultz, Edward, assignor to The Hand-Cheep Mfg. Co., Chicago, Ill. Smoking stand. 2,029,942; Feb. 4.

Schultz, William G., South Milwaukee, and A. G. Stollmayer, Milwaukee, assignors to Lisr Material Company, South Milwaukee, Wis. Drop-out fuse. 2,029,806; Feb. 4.

Schundler, F. E., & Co. (See Denning, Paul E., assignor.)

Schur, Milton O., assignor to Brown Company, Berlin, N. H. Production of nitrocellulose. 2,029,547; Feb. 4.

Schürch, Arthur. (See Jaeck, W., and Schürch.)

Schutte & Koerting Company. (See Mahlmann, Karl, assignor.)

Schwartz, Walter M., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Flatiron. 2,029,948; Feb. 4.

Scott, Charles E., Bluffton, Ind. Lawn edger. 2,029,949; Feb. 4.

Scott, E. H. (See Brush, Chester E., assignor.)

Scott, Frederick S. (See Bray, U. E., Beckwith, and Scott.)

Scott, Paul E., et al. (See Jones, David, assignor.)

Scovill Manufacturing Co. (See Aspender, Donald L., assignor.)

Scringeour, William, Washington, D. C. Making hollow forged valves. 2,029,507; Feb. 4.

Scringeour, William, Washington, D. C. Making hollow articles. 2,029,508; Feb. 4.

Scroggs, Joseph W., Norman, Okla. Door operating mechanism. 2,029,679; Feb. 4.

Sears, Roebuck and Co. (See Kingston, Ralph H., assignor.)

Sedgley, Reginald F., and M. Warner, Philadelphia, Pa. Machine gun. 2,029,539; Feb. 4.

Segall, Karl B. (See Bendix, Lynn C., assignor.)

Semet-Solvay Engineering Corporation. (See Angus, Leslie A., assignor.)

Semet-Solvay Engineering Corporation. (See Bignard, Lauritz, assignor.)

Semon, Waldo L., Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making secondary aromatic amines. 2,029,843; Feb. 4.

Sessions, Frank L., Lakewood, Ohio. Apparatus for electric welding. 2,029,594; Feb. 4.

Sevring, Franz W., A. Bergqvist, and K. H. Olsson, assignors to Kooperativa Forbundet Forening u. p. a., Stockholm, Sweden. Insulation. 2,029,679; Feb. 4.

Sexton, Wilfred A., Huddersfield, England, assignor to Imperial Chemical Industries Limited. Arylamides of 2,3-hydroxynaphthoic acids. 2,029,509; Feb. 4.

Shedd, Claude K., and E. V. Collins, Ames, Iowa, Dedicated to the Free Use of the Public. Attachment for lister planters. 2,029,680; Feb. 4.

Sheldon, Henry A., Buffalo, N. Y., assignor to Food Machinery Corporation, San Jose, Calif. Green corn cutter. 2,029,844; Feb. 4.

Shoe Form Co. (See De Witt, William J., assignor.)

Sidebotham, Melvin H., West Newton, Mass., assignor to Specialty Automatic Machine Company, Medford, Mass. Box blank folding mechanism. 2,029,894; Feb. 4.

Siemens & Halske, Aktiengesellschaft. (See Fischer, F., Strecker, and Neugebauer, assignors.)

Siemens & Halske, Aktiengesellschaft. (See Thal, Wilhelm, assignor.)

Siverts, William C., Quincy, Mass. Balanced gear pump or motor. 2,029,742; Feb. 4.

Simpson, William K., assignor to Hoffman Specialty Company, Waterbury, Conn. Thermostatic relief valve. 2,029,950; Feb. 4.

Sinclair, Ida M., Cuyahoga Falls, Ohio. Flower holder. 2,029,643; Feb. 4.

Sinclair Refining Company. (See Beardsley, Wilson H., assignor.)

Smith, Arthur G., Myrtle, assignor of one-third to E. J. Smith and one-third to C. W. Smith, Myrtle, Ohio. Polish compact. 2,029,951; Feb. 4.

Smith, C. Willard, et al. (See Smith, Arthur G., assignor.)

Smith, E. Jenet, et al. (See Smith, Arthur G., assignor.)

Smith, Gordon B. (See Hynes, G. T., and Smith.)

Smith, Howard. (See Knapp, A. S., and Smith.)

Smith, Howard, assignor to Knapp-Monarch Company, Belleville, Ill. Thermostat construction. 2,029,596; Feb. 4.

Smith, John E., assignor to Knapp-Monarch Company, Belleville, Ill. Automatic coffee maker. 2,029,806; Feb. 4.

Smith, Rachel C. (See McMichael, Samuel, assignor.)

Smith, Theodore A., Ridgewood, N. J., assignor to Radio Corporation of America. Television system. 2,029,285; Feb. 4.

Smolens, Harry G. (See Clark, J. A., and Smolens.)

Société du Caoutchouc Manufacturé. (See Moreltan, Jules, assignor.)

Society of Chemical Industry in Basle. (See Griesbaber, Fritz, assignor.)

Society of Chemical Industry in Basle. (See Jaeck, W., and Schürch, assignors.)

Society of Chemical Industry in Basle. (See Schmid, Max, assignor.)

Society of Chemical Industry in Basle. (See Sutter, Theodor, assignor.)

Soderberg, Carl F., Swarthmore, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine rotor construction. 2,029,631; Feb. 4.

Sorenson, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for communication systems. 2,029,296; Feb. 4.

Southern Asbestos Company. (See Tubel, George S., assignor.)

Specialty Automatic Machine Company. (See Sidebotham, Melvin H., assignor.)

Speke, Frank C. (See Budd, D. B., and Speke.)

Spender, Donald L., assignor to Scovill Manufacturing Co., Waterbury, Conn. Liquid dispenser. 2,029,743; Feb. 4.

Sperr, Frederick W., Jr., Vineland, N. J., assignor of one-fourth to H. E. Cooke, Greenwich, Conn. Mulch and using the same. 2,029,548; Feb. 4.

Sperry, Arthur G., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Wiper for slug trimming knives. 2,030,036; Feb. 4.

Spool Cotton Company, The. (See Andrews, George H., assignor.)

Squires, Martin O., San Francisco, Calif. Dental manikin. 2,029,682; Feb. 4.

Stahl, Wilhelm, Lahr, Baden, assignor to firm Albert Nestler Actien Gesellschaft, Lahr, Baden, Germany. Ruler attachment. 2,029,899; Feb. 4.

Standard Brands Incorporated. (See Kirby, G. W., and Frey, assignors.)

Standard Brands Incorporated. (See Schultz, Alfred, assignor.)

Standard Car Truck Company. (See Webb, Edwin W., assignor.)

Standard Oil Company, The. (See McConnell, Elliott B., assignor.)

Standard Oil Company. (See Parkhurst, George L., assignor.)

Standard Oil Company. (See Robinson, Jack, assignor.)

Standard Oil Company. (See Wilson, Robert E., assignor.)

Standard Stoker Company, The. (See Anderson, Howard P., assignor.)

Standard Stoker Company, The. (See Capps, Washington T., assignor.)

Standard Stoker Company, The. (See Harrison, Benjamin F., assignor.)

Standard Stoker Company, The. (See Peyton, William C., assignor.)

Standard Stoker Company. (See Surdykowski, Charles J., assignor.)

Standard Stoker Company. (See Surdykowski (Surdy), Charles J., assignor.)

Standard Stoker Company, The. (See Turner, E. A., and Surdy, assignors.)

Staud, Cyril J. (See Van Dyke, R. H., Staud, and Gray.)

Stedefeld, Curt, et al. (See Black, Willy, assignor.)

Steel, Gladstone M., Chillicothe, Ohio. Animated mechanical toy. 2,029,744; Feb. 4.

Steiner, Ames P., H. P. Wise and H. B. Balsiger, assignors to Landis Tool Company, Waynesboro, Pa. Hydraulic ball race grinder. 2,029,510; Feb. 4.

Steiner, Ames P., H. P. Wise and H. B. Balsiger, Waynesboro, assignors to Landis Tool Company, Waynesboro, Pa. Hydraulic ball race grinder. 2,029,511; Feb. 4.

Steinmayer, Alwin G. (See Schultz, W. O., and Steinmayer.)

Stemen, William R. (See Urbain, O. M., and Stemen.)

Sterling, Robert J., assignor to United States Gypsum Company, Chicago, Ill. Plaster board reenforcement. 2,029,849; Feb. 4.

Stevens, Joseph E. (See Morton, A. A., and Stevens.)

Stewart, George H. (See Merrill, A. B., and Stewart.)

Stewart, Hester H. (See Billin, G. S., and Stewart.)

Stiner, Edgar R., Sharps Chapel, Tenn. Retractable step for vehicles and the like. 2,029,745; Feb. 4.

Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,029,583; Feb. 4.

Stoeger, Anthony J., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 2,029,952; Feb. 4.

Strau-Steel Corporation. (See Waugh, Hugh L., assignor.)

Strawn, Orval R., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Material handling mechanism. 2,029,513; Feb. 4.

Strecker, Felix. (See Fischer, F., Strecker, and Neugebauer.)

Sturtevant, B. F., Company. (See Goldthwaite, George R., assignor.)

Submarine Signal Company. (See Turner, Edwin E., assignor.)

Suess, Herbert M. (See Waechtler, K. O., and Suess.)

Suessenguth, Hermann. (See Kircher, C., Mueller, and Suessenguth.)

Summerhays, Harold F., assignor to Riverside Sheet Metal Works, Inc., Riverside, Calif. Orchard heater. 2,029,540; Feb. 4.

Sun Newspapers Limited. (See Hardy, Sydney T. C., assignor.)

Sun Oil Company. (See Thayer, Clarence H., assignor.)

Superheater Company, The. (See Armacost, Wilbur H., assignor.)

Superheater Company, The. (See Feparstorn, Heinrich, assignor.)

Superheater Company, The. (See Rowson, Emanuel, assignor.)

Surdy, Charles J., (judicial change of name). (See Surdykowski, Charles J.)
Surdy, Charles J. (See Turner, R. A., and Surdy.)
Surdykowski, Charles J., Tuckahoe, N. Y., said Surdykowski, now by judicial change of name, C. J. Surdy, assignor to Standard Stoker Company, Inc. Locomotive tender. 2,029,298; Feb. 4.
Surdykowski, Charles J., Tuckahoe, N. Y., now by judicial change of name, C. J. Surdy, assignor to Standard Stoker Company, Inc. Locomotive tender. 2,029,397; Feb. 4.
Sutlief, John R., Lapine, Oreg. Wire reel. 2,029,953; Feb. 4.
Sutter, Theodor, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of synthetic resins of the aminealdehyde type. 2,029,954; Feb. 4.
Swain, Howland M., assignor to The Irwin Auger Bit Company, Wilmington, Ohio. Auger bit. 2,029,447; Feb. 4.
Swift and Company. (See Davis, Elmer M., assignor.)
Sykes, William E. (See Try, Walter H., assignor.)
Sykes, William E., Buffalo, N. Y. Gear generating machine. 2,029,398; Feb. 4.
Symington Company, The. (See Couch, Glenn F., assignor.)
Talbot, Frank A., Baltimore, Md., assignor to Quaker State Oil Refining Co. Combined filling closure and gauge rod. 2,029,845; Feb. 4.
Tassi, Guido, Brooklyn, N. Y., assignor, by mesne assignments, to B. Filippone & Co. Inc., Passaic, N. J. Making dough forms and product. 2,029,684; Feb. 4.
Tatosian, Harry G., Bridgeport, Conn., assignor, by mesne assignments, to Ice Cream Cone Machine Corporation, New York, N. Y. Cake baking iron. 2,029,448; Feb. 4.
Tatum, John J., Baltimore, Md. Car spring mounting. 2,029,644; Feb. 4.
Taylor, Albert H., Washington, D. C., and L. C. Young, Hyattsville, Md. Oscillator. 2,029,346; Feb. 4.
Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,029,513; Feb. 4.
Taylor, Henry R., Okemah, Okla. Guard cap. 2,029,955; Feb. 4.
Technicraft Engineering Corp. (See Haines, Marcus W., assignor.)
Technicraft Engineering Corporation, The. (See Lane, Wilfred G., assignor.)
Technicraft Engineering Corporation, The. (See Wells, Walter T., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Lucas, Kurt, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rosenstein, H. O., Kautter, and Rothe, assignors.)
Teletype Corporation. (See Walden, Lester M., assignor.)
Teller, Jacob, New Rochelle, and A. P. Schuls, assignors to Teller Stove Designing Corporation, New York, N. Y. Cooking range construction. 2,029,449; Feb. 4.
Teller Stove Designing Corporation. (See Teller, J., and Schuls, assignors.)
Templin, Richard L., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Preparing metal stock and apparatus therefor. 2,029,800; Feb. 4.
Templin, William, Glen Ellyn, assignor to Briede & Rogovsky, Inc., Chicago, Ill. Advertising window illumination. 2,029,841; Feb. 4.
Tennessee Valley Authority. (See Curtiss, H. A., and Abrams, assignors.)
Teves, Martin C. (See de Boer, J. H., Bruynes, and Teves.)
Texas Company, The. (See Halpern, M., Logan, Manley, and Ullrich, assignors.)
Texas Company, The. (See White, George D., assignor.)
Textile Machine Works. (See Waechtler, K., and Suess, assignors.)
Thal, Wilhelm, Nowawes, near Potsdam, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Supervision of the dielectric losses of a conductor. 2,029,685; Feb. 4.
Thau, Philip F., New York, N. Y. Bicycle with horse riding action. 2,029,842; Feb. 4.
Thayer, Clarence H., Wallingford, assignor to Sun Oil Company, Philadelphia, Pa. Method and apparatus for firing oil stills. 2,029,956; Feb. 4.
Thomas, Michael, Los Angeles, Calif. Toe holder. 2,029,597; Feb. 4.
Thomson, Robert, Arlington, N. J., assignor to Dardelet Threadlock Corporation, New York, N. Y. Thread cutting tool. 2,029,514; Feb. 4.
Thomson, Robert G., et al. (See Jones, David, assignor.)
Timbs, Edward, Los Angeles, and D. A. Murphy, Torrance, Calif., assignors to The National Superior Company, Toledo, Ohio. Swivel. 2,029,598; Feb. 4.
Toledo Pipe Threading Machine Company, The. (See Vosper, William W., assignor.)
Toledo Scale Manufacturing Company. (See Bennett, Geoffrey R., assignor.)
Toledo Scale Manufacturing Company. (See Bennett, Stanley G., assignor.)
Toledo Scale Manufacturing Company. (See Hurt, Samuel N., assignor.)
Toledo Scale Manufacturing Company. (See Marshall, Charles O., assignor.)
Toledo Scale Manufacturing Company. (See Waltz, Foster V., assignor.)
Toledo Scale Manufacturing Company. (See Weckerly, Mark A., assignor.)
Toppin, Francis V., Lyndhurst, N. J. Perpetual calendar ruler. 2,029,845; Feb. 4.
Tornblom, Nils A., Chicago, Ill., assignor to Appleton Electric Company. Actuating enclosed electric switches. 2,029,599; Feb. 4.
Tower, Elmer V. J., North Syracuse, N. Y., assignor, by mesne assignments, of one-half to The Russell Manufacturing Company, Middletown, Conn., and one-half to Brown-Lipe Gear Company, Toledo, Ohio. Clutch transmitting disk. 2,029,515; Feb. 4.
Tower, Elmer V. J., North Syracuse, N. Y., assignor of one-half to The Russell Manufacturing Company, Middletown, Conn., and one-half to Brown-Lipe Gear Company, Toledo, Ohio. Transmitting element. 2,029,516; Feb. 4.
Trachtenberg, Jakow, Berlin-Charlottenburg, Germany. Electrical multiple typewriter. 2,029,957; Feb. 4.
Trans-Lux Daylight Picture Screen Corporation. (See Newman, David F., assignor.)
Trico Products Corporation. (See Herten, Erwin C., assignor.)
Truelsen, Heinrich C., assignor to the firm Lieben & Co., Crefeld, Germany. Heat exchanger. 2,029,445; Feb. 4.
Try, Walter H., Stalybridge, England, assignor to William E. Sykes, Buffalo, N. Y. Gear cutter. 2,029,396; Feb. 4.
Tufts, Nathan, and E. T. Johnson, assignors to The New England Box Company, Greenfield, Mass. Nesting box with stacking irons. 2,029,746; Feb. 4.
Tuggle, Robert F., et al. (See Minott, Daniel L., assignor.)
Turner, Edwin A., New York, and C. J. Surdy, Tuckahoe, N. Y., assignors to The Standard Coke Company, Incorporated. Distributor member for stokers. 2,029,317; Feb. 4.
Turner, Edwin R., Jr., West Roxbury, assignor to Submarine Signal Company, Boston, Mass. Distance finding. 2,029,347; Feb. 4.
Tyler, Herbert R., Berwyn, assignor of one-half to C. A. Pipenhagen, Chicago, Ill. Steriliser. 2,029,844; Feb. 4.
Tyler, W. S. Company, The. (See Wettlaufer, William L., assignor.)
Ubertype Aktiengesellschaft. (See Wenczler, Lajos, assignor.)
Ullrich, Walter. (See Halpern, M., Logan, Manley, and Ullrich.)
Underwood, William F. (See Hastins, J. F., and Underwood.)
Union Oil Company of California. (See Bray, Ulric B., assignor.)
Union Oil Company of California. (See Bray, U. B., and Beckwith, assignors.)
Union Oil Company of California. (See Bray, U. B., Beckwith, and Scott, assignors.)
Union Oil Company of California. (See Dillon, Lyle, assignor.)
Union Oil Company of California. (See Fisher, Harmon F., assignor.)
Union Oil Company of California. (See Gard, Earle N., assignor.)
Union Oil Company of California. (See Merrill, David R., assignor.)
Union Oil Company of California. (See Page, Alexander S., assignor.)
Union Oil Company of California. (See Ragatz, Edward S., assignor.)
Union Salt Company, The. (See Venning, F. J., and Teig, assignors.)
Union Switch & Signal Company, The. (See Bossart, Paul N., assignor.)
Union Switch & Signal Company, The. (See Sorensen, Andrew J., assignor.)
United American Bosch Corporation. (See Curtis, Leslie F., assignor.)
United Engineers & Constructors Inc. (See Chewning, Walter L., assignor.)
United Shoe Machinery Corporation. (See Bassoul, Lewis J., assignor.)
United Shoe Machinery Corporation. (See Kennison, Frank, assignor.)
United Shoe Machinery Corporation. (See Kinney, Fay D., assignor.)
United Shoe Machinery Corporation. (See Rice, Fred, assignor.)
United States Envelope Company. (See Furman, Samuel, assignor.)
United States Gypsum Company. (See McNeil, William M., assignor.)
United States Gypsum Company. (See Sterling, Robert J., assignor.)
United States Pipe and Foundry Company. (See Hering, Edward, assignor.)
Universal Camera Corporation. (See Githens, Otto W., assignor.)
Universal Oil Products Company. (See Alther, Joseph S., assignor.)
Universal Oil Products Company. (See Barnes, John S., assignor.)
Universal Oil Products Company. (See Day, Roland B., assignor.)
Universal Oil Products Company. (See Kinsloe, William E., assignor.)

Universal Oil Products Company. (See Mekler, Lev A., assignor.)
Universal Oil Products Company. (See Merrell, Jacque C., assignor.)
Universal Oil Products Company. (See Weber, Harold C., assignor.)
Universal Winding Company. (See LeBoeuf, Arthur W., assignor.)
Upton, Archie H., et al. (See Dewey, Josiah A., assignor.)
Upton, Ida M., et al. (See Dewey, Josiah A., assignor.)
Urbain, Oliver M., Columbus, assignor to C. H. Lewis, Harpster, Ohio. Purification of organically polluted waters. 2,029,958; Feb. 4.
Urbain, Oliver M., Columbus, assignor to C. H. Lewis, Harpster, Ohio. Water purification. 2,029,959; Feb. 4.
Urbain, Oliver M., Columbus, assignor to C. H. Lewis, Harpster, Ohio. Water purification. 2,029,960; Feb. 4.
Urbain, Oliver M., Columbus, assignor to C. H. Lewis, Harpster, Ohio. Water purification. 2,029,961; Feb. 4.
Urbain, Oliver M., and W. R. Stemen, Columbus, assignors to C. H. Lewis, Harpster, Ohio. Purification of potable and polluted waters. 2,029,962; Feb. 4.
Urbain, Oliver M., and W. R. Stemen, Columbus, assignors to C. H. Lewis, Harpster, Ohio. Purification of potable and polluted waters. 2,029,963; Feb. 4.
Urbain, Oliver M., and W. R. Stemen, Columbus, assignors to C. H. Lewis, Harpster, Ohio. Purification of potable and polluted waters. 2,029,964; Feb. 4.
Urbain, Oliver M., and W. R. Stemen, Columbus, assignors to C. H. Lewis, Harpster, Ohio. Reagent for water purification and producing same. 2,029,965; Feb. 4.
VanDenburg, John W., White Plains, N. Y. Headlight system. 2,029,849; Feb. 4.
Van Dyke, Russel H., C. J. Staud, and H. Le B. Gray, assignors to Eastman Kodak Company, Rochester, N. Y. Fibrous esterification of cellulose. 2,029,900; Feb. 4.
Van Geel, Willem C., and H. Emmens, Eindhoven, Netherlands, assignors to Radio Corporation of America. Electrolytic condenser. 2,029,451; Feb. 4.
Vars, Ethan W., Erie, Pa., assignor to General Electric Company. Gasket for refrigerator cabinets and the like. 2,029,845; Feb. 4.
Venning, Frank J., Cleveland Heights, and F. J. Teig, Euclid, assignors to The Union Salt Company, Cleveland, Ohio. Dispensing receptacle. 2,029,747; Feb. 4.
Victor, Joseph N., Allentown, Pa. Combination mesh and screen latch. 2,029,452; Feb. 4.
Victor, Joseph N., Allentown, Pa. Device for securing articles of hardware to wooden members. 2,029,453; Feb. 4.
Visser't Hooft, Franciscus, assignor to Lucidol Corporation, Buffalo, N. Y. Treatment of commercial dicalcium phosphate. 2,029,967; Feb. 4.
Voight, Henry G., assignor to Sargent & Company, New Haven, Conn. Exit doorlock. 2,029,901; Feb. 4.
Von Henke, Edmund J., assignor to American Electric Fusion Corporation, Chicago, Ill. Coupling. 2,029,846; Feb. 4.
Voss, Lewis S., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle changing loom. 2,029,801; Feb. 4.
Vosper, William W., assignor to The Toledo Pipe Threading Machine Company, Toledo, Ohio. Threading and facing tool. 2,029,847; Feb. 4.
Vulcan Detinning Company, The. (See Buttfield, A. C., and Muller, assignors.)
Waechtler, Kurt O., and H. M. Suess, Berlin, N. J., assignors to Textile Machine Works, Wyomissing, Pa. Yieldable safety lock. 2,030,037; Feb. 4.
Waggaman, William H. (See Kerschbaum, F. P., Waggaman, and Gooch.)
Wagner, Karl F., Stuttgart, Germany, assignor, by mesne assignments, to Magnesium Development Corporation, Newark, N. J. Automatic control mechanism. 2,029,349; Feb. 4.
Wahlin, Fritz. (See Bramsen, S., Wahlin, and Gustafson.)
Walden, Lester M., assignor to Teletype Corporation, Chicago, Ill. Rail shift mechanism for linecasting and composing machines. 2,029,400; Feb. 4.
Walker, Ralph S. (See Heckel, J. T., and Walker.)
Wallerstein Company. (See Wallerstein, L., Hawley, and Gale, assignors.)
Wallerstein Company Inc. (See Wallerstein, L., Gale, and Hawley, Jr., assignors.)
Wallerstein, Leo, T. Hawley, and R. A. Gale, assignors to Wallerstein Company, Inc., New York, N. Y. Treating silk and silk products. 2,029,850; Feb. 4.
Wallerstein, Leo, R. A. Gale, and T. G. Hawley, Jr., New York, N. Y., assignors to Wallerstein Company Inc. Manufacture of textiles. 2,029,968; Feb. 4.
Wallerstein, Leo, R. A. Gale, and T. G. Hawley, Jr., New York, N. Y., assignors to Wallerstein Company Inc. Silk yarn prepared from natural silk in the gum. 2,029,969; Feb. 4.
Wallerstein, Leo, R. A. Gale, and T. G. Hawley, Jr., New York, N. Y., assignors to Wallerstein Company Inc. Yarn. 2,029,970; Feb. 4.
Wallerstein, Leo, R. A. Gale, and T. G. Hawley, Jr., New York, N. Y., assignors to Wallerstein Company Inc. Mixed cellulose acetate-natural silk fabrics. 2,029,971; Feb. 4.
Wallerstein, Leo, R. A. Gale, and T. G. Hawley, Jr., New York, N. Y., assignors to Wallerstein Company Inc. Making a knitted fabric. 2,029,972; Feb. 4.
Wallgren, August G. F., and C. G. Janson, assignors to Aktiebolaget Nomy, Stockholm, Sweden. Bearing. 2,029,600; Feb. 4.
Walton, George W., London, England. Method of and apparatus for obtaining optical effects by electrical means. 2,029,401; Feb. 4.
Waltz, Foster V., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,029,902; Feb. 4.
Waterbury Farrel Foundry & Machine Company, The. (See Pierson, William D., assignor.)
Waugh, Hugh L., Ferndale, assignor to Stran-Steel Corporation, Detroit, Mich. Structural element. 2,029,645; Feb. 4.
Waukesha Motor Company. (See Merriam, Jesse R., assignor.)
Webb, Edwin W., assignor to Standard Car Truck Company, Chicago, Ill. Running gear for railway cars. 2,029,749; Feb. 4.
Webber, Owen T., London, England. Sink and draining board, particularly for domestic use. 2,029,802; Feb. 4.
Weber Costello Co. (See Lawton, Robert B., assignor.)
Weber, Harold C., Milton, Mass., assignor to Universal Oil Products Company, Chicago, Ill. Storage of gasoline. 2,029,748; Feb. 4.
Weckerly, Mark A., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,029,903; Feb. 4.
Wehner, Heinz, assignor to Amity Leather Products Co., West Bend, Wis. Center expanding pocket. 2,029,686; Feb. 4.
Wells, Sidney D., Combined Locks, assignor of one-half to G. D. Muggleton, Appleton, Wis. Paper pulp making process. 2,029,972; Feb. 4.
Wells, Walter T., Glendale, assignor to The Technicraft Engineering Corporation, Los Angeles, Calif. Perforating well casings. 2,029,454; Feb. 4.
Welter, Herman C., assignor to Hall-Welter Co., Inc., Rochester, N. Y. Inking mechanism for check writers. 2,029,646; Feb. 4.
Wenczler, Lajos, Augsburg, Germany, assignor to Ubertype Aktiengesellschaft, Kubli House, Glarus, Switzerland. Controlling device. 2,030,038; Feb. 4.
Western-Austin Company. (See Kohl, Charles E., assignor.)
Western-Austin Company. (See Wilson, Fred D., assignor.)
Western Electric Company. (See Hach, Clarence A., assignor.)
Western Electric Company. (See Isaacson, Arthur M., assignor.)
Western Electric Company. (See McCarthy, Rollin H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Soderberg, Carl R., assignor.)
Westinghouse X-Ray Company. (See Morrison, Montford, assignor.)
Western Union Telegraph Company, The. (See Rickard, Eric M., assignor.)
Wettlaufer, William L., Buffalo, N. Y., assignor to The W. S. Tyler Company, Cleveland, Ohio. Vibrating screen. 2,029,848; Feb. 4.
Wheelbarger, Albert S., Dayton, assignor, by mesne assignments to Central United National Bank, Cleveland, Ohio, as trustee. Locking mechanism. 2,029,805; Feb. 4.
Whitaker, Willard F., Batavia, Iowa. Hog ring clinching tool. 2,029,974; Feb. 4.
White, George D., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Conversion of hydrocarbon oils. 2,029,601; Feb. 4.
Whitehouse, Francis R. B., Edgbaston, Birmingham, England. Walking toy. 2,029,849; Feb. 4.
Wickersham, Harry P. (See Burns, E., and Wickersham.)
Williams, James F., Niagara Falls, Ontario, Canada, assignor to General Motors Corporation, Detroit, Mich. Cutting and abrading machine and process. 2,030,023; Feb. 4.
Williams, Percy N., Tucson, Ariz. Orthodontic appliance. 2,029,904; Feb. 4.
Williamson, Frank E., Reigate, England. Device for catching crown corks and like bottle-closures. 2,029,804; Feb. 4.
Wilson, Fred D., Harvey, Ill., assignor to Western-Austin Company. Grade finding mechanism. 2,029,455; Feb. 4.
Wilson, Robert E., assignor to Standard Oil Company, Chicago, Ill. Continuous process for countercurrent contacting of two liquids. 2,029,687; Feb. 4.
Wilson, Robert E., assignor to Standard Oil Company, Chicago, Ill. Process and apparatus for contacting two materials. 2,029,688; Feb. 4.
Wilson, Robert E., assignor to Standard Oil Company, Chicago, Ill. Process and apparatus for contacting two liquids. 2,029,690; Feb. 4.
Winchester, Hubert D., Monkseaton, England. Holder for threads, cords, lines, wires, fly-casts, and the like. 2,029,975; Feb. 4.
Wine, Edgar P. (See Steiner, A. P., Wine, and Balsiger.)
Winterich, John W., Cleveland, Ohio. Wainscoting construction. 2,029,549; Feb. 4.
Wired Radio, Inc. (See Cassell, Joseph L., assignor.)

Weinlager, Robert, Bonn-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Ethylene azo dyestuffs and their manufacture. 2,029,647; Feb. 4.
Woodings-Verona Tool Works. (See Richardson, T. A., and Dawson, assignors.)
Wormald, Alec, Blackley, England, assignor to Imperial Chemical Industries Limited. Dyeing process. 2,029,351; Feb. 4.
Wunsch, Paul, Leipzig, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Pump stop mechanism for typographical line casting machines. 2,029,976; Feb. 4.
Wurser, Martin. (See Sedgley, R. F., and Wurser.)
Yelp, Frank J. (See Venning, F. J., and Yelp.)
Yeomans, William F. (See Connolly, W. F., and Yeomans.)
Young, Leo C. (See Taylor, A. H., and Young.)
Young, Ruth, Enid, Okla. Sign. 2,029,799; Feb. 4.
Zavertnik, Joseph, Jr. (See MacCubbin, A. A., and Zavertnik, assignors.)
Zeiss, Carl. (See Bertele, Ludwig, assignor.)
Zerbey, John M., et al. (See James, Cleveland A., assignor.)
Zim Manufacturing Company. (See Beckman, Herbert A., assignor.)
Zindel, Ernst, Dessau, Germany. Firearm equipment for aircraft. 2,029,092; Feb. 4.
Zuber, Robert E., Birmingham, Ala. Tripping mechanism. 2,029,456; Feb. 4.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF FEBRUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Diamines and making same, Unsulphonated diacylated. G. de Montmollin, J. Dannaser, G. Bonhôte and H. Johner. 19,842; Feb. 4.
Grader, Combination tractor. A. and A. G. Rossing. 19,846; Feb. 4.
Guy wire protector. H. E. Miller. 19,845; Feb. 4.
Hosiery, Mechanism for knitting full-fashioned. G. Gastrich. 19,843; Feb. 4.
Optical mensuration method and instrument, Clinical. A. Ames, Jr., and G. H. Gliddon. 19,841; Feb. 4.
Strip, Antisqueak. E. W. Springer. 19,847; Feb. 4.
Suction cleaner. W. H. Kitto. 19,844; Feb. 4.

LIST OF DESIGN INVENTIONS

Appliqué emblem or similar article for wearing apparel. C. Emmey, 98,428; Feb. 4.
Beverage dispensing device. J. M. Travis. 98,435; Feb. 4.
Bottle. M. R. De Mascolo. 98,455; Feb. 4.
Bottle. B. D. Fuerst. 98,426; Feb. 4.
Bottle. W. H. Miller. 98,450; Feb. 4.
Bottle and stopper, Combined. P. H. Gans. 98,427; Feb. 4.
Bottle cap and opener, Combined. M. E. Trelles. 98,436; Feb. 4.
Bottle, Metal. C. E. McMaster. 98,444–5; Feb. 4.
Bowl. J. B. Clark. 98,453; Feb. 4.
Box. P. E. Bagur. 98,472; Feb. 4.
Box, Multiple candy. L. A. Deline. 98,419; Feb. 4.
Breeches. H. S. Isaacs. 98,437; Feb. 4.
Buckle. H. F. Wright. 98,451; Feb. 4.
Carburetor or similar article. A. O. Randall. 98,449; Feb. 4.
Carton and towel display, Combined. E. Wandel. 98,468; Feb. 4.
Casing, Supplementary meter. M. A. Pixley and E. H. McCloud. 98,447; Feb. 4.
Cigarette holder and ash receiver, Combined. W. B. Ulmer. 98,465; Feb. 4.
Clock dial or similar article. A. Mikosza. 98,434; Feb. 4.
Coat, House. H. Lobel. 98,475; Feb. 4.
Cup, Trophy. G. C. De Hart. 98,418; Feb. 4.
Dish, Butter. N. M. Brockmeyer. 98,473; Feb. 4.
Doily. K. C. Hamilton. 98,454; Feb. 4.
Drawer pull. R. H. Martin. 98,439–43; Feb. 4.
Drum. C. Baum. 98,415; Feb. 4.
Dresser cabinet and bureau or the like, Combined. I. H. Stern. 98,424; Feb. 4.
Elastic fabric. C. D. Maurer. 98,479–83; Feb. 4.
Fan bracket. J. J. Wall. 98,467; Feb. 4.
Fan, Electric. C. F. Haynes. 98,457; Feb. 4.
Glass, Sherbet. D. Deskey. 98,422; Feb 4.
Glider. W. H. Logan. 98,458; Feb. 4.
Hair drying apparatus. C. F. Taylor. 98,464; Feb. 4.
Hanger, Garment. E. B. Farmer. 98,474; Feb. 4.
Kit, Manicurist. E. Comradeau. 98,454; Feb. 4.
Lace. L. Birnbaum. 98,452; Feb. 4.
Lace. J. Waterfield. 98,467; Feb. 4.
Lace. J. D. Wiener. 98,469; Feb. 4.
Lamp or similar article, Flash. S. Osterman. 98,446; Feb. 4.
Lighting fixture. F. F. Holstein. 98,475; Feb. 4.
Loudspeaker support and baffle, Combined. P. Crosley, Jr. 98,416; Feb. 4.
Motor and enclosed switch, Combined portable. F. G. Douglass. 98,423; Feb. 4.
Panel and bezel for ash receivers, Combined face. J. Vimer. 98,466; Feb. 4.
Pants, Baby. A. N. Spanel. 98,450; Feb. 4.
Pants, Baby. A. N. Spanel. 98,463; Feb. 4.
Pencil, Mechanical lead. E. Back. 98,414; Feb. 4.
Radio cabinet. G. B. Jensen. 98,477; Feb. 4.
Service station. E. N. Aldrich. 98,470; Feb. 4.
Shoe. H. Holtz. 98,435–6; Feb. 4.
Shoe. H. B. Komar. 98,438; Feb. 4.
Shoe. J. McGee. 98,443; Feb. 4.
Shoe or similar article. J. A. Goldberg. 98,428–32; Feb. 4.
Stocking. O. E. Huber. 98,476; Feb. 4.
Table. W. Hoffmann. 98,434; Feb. 4.
Tank vehicle. W. W. Ammen. 98,471; Feb. 4.
Textile fabric. W. B. Haywood. 98,438; Feb 4.
Tire. B. E. Prall. 98,448; Feb. 4.
Tray for fruits, vegetables, or the like. C. Daum. 98,417; Feb. 4.
Tumbler. D. Deskey. 98,421; Feb. 4.
Tumbler, Drinking. D. Deskey. 98,420; Feb. 4.
Vanity case. A. Wewetzer. 98,433; Feb. 4.
Vibrator body. G. B. Pickop. 98,460; Feb. 4.
Wheel. C. W. Sinclair. 98,481–2; Feb. 4.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF FEBRUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid process, Contact sulphuric. A. O. Jaeger. 2,029,530–1; Feb. 4.
Acoustical structure. J. S. Parkinson. 2,029,441; Feb. 4.
Active ray treating device. H. M. Creighton and E. C. Berndt. 2,029,612; Feb. 4.
Adjustable lamp support. A. A. Karcher. 2,029,532; Feb. 4.
Air conditioner and water heating system. C. D. Knudsen. 2,029,574; Feb. 4.
Air conditioning method and apparatus. D. B. Knight 2,029,428; Feb. 4.
Air conditioning system employing refrigeration. R. E. Keyes. 2,030,032; Feb. 4.
Aircraft. H. B. Krammer. 2,029,778; Feb. 4.
Air, Method and apparatus for conditioning. G. R. Goldthwaite. 2,029,368; Feb. 4.
Alarm system. L. J. Bowne. 2,029,699; Feb. 4.
Alcohols, Production of. H. Hopff. 2,029,618; Feb. 4.
Alkali nitrate, Production of. P. Oswald and W. Geisler. 2,029,738; Feb. 4.
Alkali sulphite or alkali bisulphite solutions from waste liquors obtained in the digestion of cellulose with alkali sulphur compounds, Preparing. G. Haglund. 2,029,616; Feb. 4.
Amines, Making secondary aromatic. W. L. Benon. 2,029,642; Feb. 4.
Ammonia from aqueous ammoniacal brines, Distillation of. G. G. Day. 2,029,467; Feb. 4.
Amplification of alternating current, System of. L. A. Gebhard. 2,029,316; Feb. 4.
Anchor, Earth. M. Rosner. 2,029,740; Feb. 4.
Apparel, Wearing. W. F. Gowdy. 2,005,564; Feb. 4.
Applicator. H. Reichle. 2,029,835; Feb. 4.
Articles, Making hollow. W. Scrimgeour. 2,029,508; Feb. 4.
Arylamides of 2,3-hydroxynaphthole acids. W. A. Sexton. 2,029,509; Feb. 4.
Asphalt-asbestos mastic and producing same. U. B. Bray, L. B. Beckwith, and F. S. Scott. 2,029,289; Feb. 4.
Asphalts and producing same. U. B. Bray and L. B. Beckwith. 2,029,290; Feb. 4.
Asphalts, Producing oxidized. E. G. Ragatz. 2,029,504; Feb. 4.
Audible electric signal. C. Ignell. 2,029,720; Feb. 4.
Audion arrangement for short wave television purposes. K. Schlesinger. 2,029,640; Feb. 4.
Auger bit. H. M. Swain. 2,029,447; Feb. 4.
Automatic clutch. K. B. Lyman. 2,029,538; Feb. 4.
Automotive body and frame. D. L. Minott. 2,029,735; Feb. 4.
Azodyestuffs. J. S. Petrus-Blumberger. 2,029,555; Feb. 4.
Azodyestuffs. H. Schindhelm and C. T. Schultis. 2,029,591; Feb. 4.
Bag: *See*—
Traveling bag.
Bag filling machine. W. M. McNeil. 2,029,733; Feb. 4.
Bags, Manufacture of. T. M. Royal. 2,029,340; Feb. 4.
Balanced automatic valve. E. Rawson. 2,029,505; Feb. 4.
Baling apparatus. G. Innes. 2,030,031; Feb. 4.
Baling press. A. C. Buttfield and H. W. Muller. 2,029,964; Feb. 4.
Bandage, Sphygmomanometer. F. Cossor. 2,029,012; Feb. 4.
Battery, Controlling the charge and discharge of a storage. E. L. Lord. 2,029,628; Feb. 4.
Battery stabilizer. C. E. Gordon. 2,029,658; Feb. 4.
Bearing. J. O. Heinze. 2,029,717; Feb. 4.
Bearing. F. Schubert. 2,029,445; Feb. 4.
Bearing. A. G. F. Wallgren and C. G. Janson. 2,029,600; Feb 4.
Bed, Folding. J. A. Dewey. 2,029,705; Feb. 4.
Belt, Apparel. J. Moulibau. 2,020,018; Feb. 4.
Belt, Endless. A. B. Merrill and G. H. Stewart. 2,029,381; Feb. 4.
Bicycle with horse riding action. P. F. Thau. 2,029,842; Feb. 4.
Bit: *See*—
Auger bit.
Blade for safety razors, Protected. F. J. Lewando. 2,029,825; Feb. 4.
Bleaching. J. A. Clark and H. G. Smolens. 2,029,985; Feb. 4.
Block: *See*—
Cement block.
Blow-off valve. J. V. Schmid. 2,029,837; Feb. 4.
Board: *See*—
Game board.
Bolster. W. C. Hedgcock. 2,029,822; Feb. 4.
Boring tool. H. Berg. 2,029,458; Feb. 4.
Bottle closure. I. Rosenbloom and R. Bern. 2,029,896; Feb. 4.
Box: *See*—
Journal box.
Box. H. L. Metzger. 2,029,888; Feb. 4.
Box blank folding mechanism. M. H. Hilsbothan. 2,029,394; Feb. 4.
Box dismembering machine. L. Mann. 2,029,885; Feb. 4.
Bracket for fire extinguishers, Supporting. F. A. Dodds. 2,029,707; Feb. 4.
Brake: *See*—
Electrical disk brake.
Brake mechanism. L. A. Majneri. 2,029,884; Feb. 4.
Brake mechanism, Air. D. C. Hensian. 2,030,049; Feb. 4.
Brake system. H. Pieper. 2,029,670; Feb. 4.
Brake unit, Combined freewheeling and power. E. A. Rockwell. 2,029,487; Feb. 4.
Brakes and clutches, Mechanism for. W. M. Boller. 2,029,287; Feb. 4.
Braun tube. K. Schlesinger. 2,029,639; Feb. 4.
Brick. F. B. Dunn. 2,029,814; Feb. 4.
Broiler drawer. S. H. Hobson and P. I. Hollman. 2,029,719; Feb. 4.
Broom. J. R. Kinney. 2,029,486; Feb. 4.
Brush assembly, Motor. S. N. Mead. 2,029,782; Feb. 4.
Buckle, Band. W. H. Davis. 2,029,413; Feb. 4.
Bumper. W. B. La Pointe. 2,029,824; Feb. 4.
Bung ring construction. C. H. Draper and W. C. Greene. 2,029,764; Feb. 4.
Burner: *See*—
Gas burner.
Oil burner.
Cabinet, Ironing machine. H. W. Altorfer. 2,029,293; Feb. 4.
Cabinet, Map. R. B. Lawton. 2,029,536; Feb. 4.
Cabinet, Moving picture and sound. W. R. Bell. 2,029,806; Feb. 4.
Calendar and coin container, Combination. O. T. Sanden. 2,029,443; Feb. 4.
Cam follower for a strip advancing mechanism. L. D. Martin. 2,029,950; Feb. 4.
Camera construction. C. C. Pierce. 2,029,818; Feb. 4.
Camera latch. C. W. Crumrine. 2,029,913; Feb. 4.
Camera, Motion picture. K. Morenoch. 2,029,726; Feb. 4.
Camera, Photographic. O. W. Gitchens. 2,030,474-6; Feb. 4.
Can feeding apparatus. O. W. Chalmers. 2,029,583; Feb. 4.
Canning, Apparatus for and method of. C. O. Bell. 2,029,303; Feb. 4.
Canopy, Lawn. C. K. Marshall. 2,029,886; Feb. 4.
Cap, Guard. H. R. Taylor. 2,029,955; Feb. 4.
Carbonaceous material, Apparatus for the treatment of. I. H. Derby and H. R. Horner. 2,029,759; Feb. 4.
Carbonaceous material, Apparatus for treating. I. H. Derby and H. R. Horner. 2,029,760; Feb. 4.
Carbonaceous material, Apparatus for treating. I. H. Derby and H. R. Horner. 2,029,763; Feb. 4.
Carbonaceous material, Treating. I. H. Derby and H. R. Horner. 2,029,762; Feb. 4.
Carburetor. E. L. Brown. 2,029,556; Feb. 4.
Carburetor. V. Campanella. 2,029,858; Feb. 4.
Carburetor. W. Markwart. 2,029,666; Feb. 4.
Carton feeding mechanism. M. J. Milmoe. 2,029,965; Feb. 4.
Case: *See*—
Refrigerator display case.
Cash register. M. Jacob. 2,029,776; Feb. 4.
Casings, Perforating well. W. T. Wells. 2,029,454; Feb. 4.
Catadioptric unit. R. W. Lace. 2,029,929; Feb. 4.
Catalyst. W. W. Myddleton. 2,029,786; Feb. 4.
Catalyst, Making a. H. Joseph. 2,029,576; Feb. 4.
Cathode for thermionic valves. A. Haslauer. 2,029,462; Feb. 4.
Cellulose, Fibrous esterification of. E. H. Van Dyke, C. J. Staud and H. Le B. Gray. 2,029,900; Feb. 4.
Cellulose organic ester compositions containing a propionyl ester of glycerol. D. C. Hull. 2,029,823; Feb. 4.
Cellulosic materials, Esterification of. J. F. Haskins and W. F. Underwood. 2,029,481; Feb. 4.
Cement. A. Hermann. 2,030,002; Feb. 4.
Cement block. P. E. Bendel. 2,029,586; Feb. 4.
Charges, Forming. I. H. Derby and H. R. Horner. 2,029,761; Feb. 4.
Chemical products and producing same. W. H. Carothers, A. M. Collins and J. E. Kirby. 2,029,410; Feb. 4.
Chronoscope. R. W. Earle. 2,029,863; Feb. 4.
Chuck. W. F. Greene and W. R. Meyer. 2,030,030; Feb. 4.

Cinematograph apparatus. A. P. Johnson. 2,029,871; Feb. 4.
Cinematograph apparatus. R. E. Lebouleux. 2,029,706; Feb. 4.
Circuit controller. H. F. Hathaway and W. Bixby. 2,029,821; Feb. 4.
Clasp and hook stay. J. J. Klaport. 2,029,876; Feb. 4.
Cleaner: *See*—
Suction cleaner.
Vacuum cleaner.
Clip board and light, Combination. R. Kaylor and R. B. Kenney. 2,029,425; Feb. 4.
Clock, Program. C. J. Maxwell. 2,029,667; Feb. 4.
Closure and gauge rod, Combined filling. F. A. Talbot. 2,029,345; Feb. 4.
Clutch: *See*—
Automatic clutch.
Clutch plate. H. V. Reed. 2,029,830; Feb. 4.
Clutch transmitting disk. R. V. J. Tower. 2,029,515; Feb. 4.
Coal, tars, mineral oils, and the like, Procedure for the hydrogenizing and/or splitting of. W. Rittmeister. 2,029,895; Feb. 4.
Coffee maker, Automatic. J. E. Smith. 2,029,906; Feb. 4.
Comb, Hair cutting. G. Pischino. 2,029,792; Feb. 4.
Combustion conditioning system for soaking pits. G. A. Merkt. 2,029,580; Feb. 4.
Communication systems, Apparatus for. A. J. Serrasva. 2,029,396; Feb. 4.
Compact, Pellet. A. G. Smith. 2,029,951; Feb. 4.
Composite structure. G. R. Bennett. 2,029,906; Feb. 4.
Compounds from petroleum oil, Producing high molecular weight. D. E. Merrill. 2,029,332; Feb. 4.
Compression tubing coupling. S. H. Kocher. 2,029,525; Feb. 4.
Concrete block machine. L. Gelbman. 2,029,365; Feb. 4.
Condensation product and process. J. B. Niederl. 2,029,559; Feb. 4.
Condensation products, Making. K. Ripper. 2,029,893; Feb. 4.
Condenser: *See*—
Electrolytic condenser.
Tubular condenser.
Condenser. R. K. Albert. 2,029,550; Feb. 4.
Condenser. H. C. Guild. 2,029,423; Feb. 4.
Condenser for refrigerating machines. D. F. Newman. 2,029,890–1; Feb. 4.
Condiment holder. L. I. Gaddy. 2,029,907; Feb. 4.
Conductor, Insulated. R. A. Schatzel. 2,029,546; Feb. 4.
Conductor, Supervision of the dielectric losses of a. W. Thal. 2,029,665; Feb. 4.
Conductor transmission system, Concentric. E. I. Green. 2,029,420; Feb. 4.
Conductor transmission system, Concentric. E. I. Green and F. A. Leibe. 2,029,421; Feb. 4.
Cone for use in wireless loudspeakers, telephones, and the like. F. Harrison. 2,030,001; Feb. 4.
Connecter: *See*—
Tile connecter.
Connecter for X-ray tubes. O. H. Pieper. 2,029,584; Feb. 4.
Container: *See*—
Dispensing container.
Shipping container.
Portable container.
Container. E. Ljungström. 2,029,320; Feb. 4.
Container and cooling means therefor. J. L. Kellogg. 2,030,005; Feb. 4.
Containers, Heat treating welded. H. S. Blumberg. 2,029,807; Feb. 4.
Control mechanism, Automatic. K. F. Wagner. 2,029,340; Feb. 4.
Control mechanism for garment pressing machines. A. F. Hanney. 2,029,715; Feb. 4.
Control mechanism for machine tools. A. Oberhoffken and H. Hanitz. 2,029,535; Feb. 4.
Control system for automobile lights, Automatic. G. Paulson. 2,029,502; Feb. 4.
Controller for printing presses. R. H. Leahe. 2,029,726; Feb. 4.
Controlling device. L. Wenceslao. 2,029,036; Feb. 4.
Conveyer, Shaking. F. Appelberg. 2,029,805; Feb. 4.
Cooker, Waffle. H. C. Johnson. 2,030,020; Feb. 4.
Countercurrent contacting of two liquids, Continuous process for. R. H. Wilson. 2,029,687; Feb. 4.
Countercurrent contactor. J. Robinson. 2,029,691; Feb. 4.
Counter-shaping machine. F. Ricks. 2,029,544; Feb. 4.
Coupling: *See*—
Compression tubing coupling.
Wall block coupling.
Coupling. R. J. van Hinke. 2,029,848; Feb. 4.
Cover: *See*—
Turpentine gum cup cover.
Cover retaining means. E. M. Davis. 2,029,811; Feb. 4.
Cradle, Trolling. R. F. Harrington. 2,030,000; Feb. 4.
Crane for centrifugal machines, Bowl-manipulating. H. T. Field. 2,029,709; Feb. 4.
Crank arm counterweight, Adjustable oil well. C. Berit. 2,029,993; Feb. 4.
Cultivator attachment for tractors. J. W. Capps. 2,029,652; Feb. 4.
Cups from which cartridge cases can be cold drawn, Apparatus for the manufacture of. R. Sautier. 2,029,797; Feb. 4.
Cushion, Hydraulic. F. J. Rode. 2,029,597; Feb. 4.
Cushioning structure. C. H. Heidenbrand. 2,029,870; Feb. 4.
Cutter: *See*—
Gear cutter.
V-slot paper cutter.
Green corn cutter.
Cutter for hydraulic dredges. W. R. Ewing. 2,029,816; Feb. 4.
Cutting and abrading machine and process. J. F. Williams. 2,030,023; Feb. 4.
Decorative effects with light, Creating and displaying. W. Reiss. 2,029,843; Feb. 4.
Dehydrator, Electric. L. Dillon. 2,029,362; Feb. 4.
Dehydrator, Electrical. H. F. Fisher. 2,029,527; Feb. 4.
Demountable wheel. F. A. Haberl. 2,029,966; Feb. 4.
Dental manikin. M. O. Squires. 2,029,683; Feb. 4.
Device for catching crown corks and like bottle-closures. F. E. Williamson. 2,029,804; Feb. 4.
Device for opening cans. E. Ljungström and O. A. Olmon. 2,029,329; Feb. 4.
Device for securing articles of hardware to wooden members. J. N. Victor. 2,029,453; Feb. 4.
Dextrose, Crystallisation of. C. J. Copland. 2,029,560; Feb. 4.
Di-(arylamino)- hydroxybenzenes and preparing them, Symmetrical. L. Laska and O. Haller. 2,029,727; Feb. 4.
Dicalcium phosphate, Treatment of commercial. F. Visser't Hooft. 2,029,967; Feb. 4.
Die: *See*—
Swaging and alignment die.
Die mechanism for mounting bushings. F. W. Sample and R. D. Ross. 2,029,341; Feb. 4.
Dies, Making embossing. W. S. Hough. 2,029,587; Feb. 4.
Dishwashing apparatus. G. E. Barozzi. 2,029,695; Feb. 4.
Dishwashing machine. J. E. Elkington. 2,029,583; Feb. 4.
Disk filter. W. L. Chewning. 2,029,611; Feb. 4.
Dispenser: *See*—
Liquid dispenser.
Dispensing apparatus. G. E. Hutchinson. 2,030,004; Feb. 4.
Dispensing container. C. A. Johnston. 2,029,660; Feb. 4.
Dispensing receptacle. F. J. Venning and F. J. Yetp. 2,029,747; Feb. 4.
Display device. G. H. Andrews. 2,029,603; Feb. 4.
Display device. S. H. Chasan. 2,029,653; Feb. 4.
Display device. J. D. Gray. 2,029,771; Feb. 4.
Display device. C. W. Hostock. 2,029,719; Feb. 4.
Display sign. W. H. Bleecker, Jr. 2,029,908; Feb. 4.
Display stand. B. Blumental. 2,029,407; Feb. 4.
Distance finding. E. E. Turner, Jr. 2,029,347; Feb. 4.
Distillation, Fractional. E. W. Gard. 2,029,528; Feb. 4.
Distributor member for stokers. E. A. Turner and C. J. Surdy. 2,029,517; Feb. 4.
Door check. P. E. Frantz. 2,029,711; Feb. 4.
Door construction, Refrigerator. I. Cohen. 2,029,755; Feb. 4.
Door, Fire alarm box. P. P. Horni. 2,029,373; Feb. 4.
Door, Metal. M. G. Martin. 2,029,482; Feb. 4.
Door opening apparatus. W. D. Ferris. 2,029,526; Feb. 4.
Door operating mechanism. B. G. Fleming. 2,029,818; Feb. 4.
Door operating mechanism. J. W. Scroggs. 2,029,678; Feb. 4.
Door, Revolving. S. C. Dreher. 2,029,914; Feb. 4.
Door speed control, Revolving. T. M. Hagenbook. 2,029,318; Feb. 4.
Dough forms and product, Making. G. Tansi. 2,029,664; Feb. 4.
Draft key retainer locking means. V. H. Harbert. 2,029,968; Feb. 4.
Dredge. R. O. Couch. 2,029,858; Feb. 4.
Dredging apparatus. W. R. Ewing. 2,029,815; Feb. 4.
Drill jig. W. Betz. 2,029,650; Feb. 4.
Drink vending machine. T. Brady. 2,029,460; Feb. 4.
Drive for textile machines, Automatic variable speed. E. Cannity. 2,029,854; Feb. 4.
Drive system, Pneumatic. C. Peter. 2,029,634; Feb. 4.
Duplicating machine, Hydraulically controlled. C. H. Kain. 2,030,022; Feb. 4.
Dyeing process. A. Wormald. 2,029,851; Feb. 4.
Dyestuff preparations and preparing them, Thioindigo. A. Hagenbocker and R. Brune. 2,029,714; Feb. 4.
Dyestuffs and their application. G. H. Ellis and F. Brown. 2,029,312; Feb. 4.
Dyestuffs and their manufacture, Ethylene azo. E. Wisinger. 2,029,647; Feb. 4.
Dyestuffs of the triphenylmethane series and related substances, Preparation of. A. A. Morton and J. R. Stevens. 2,029,530; Feb. 4.
Dyestuffs, Production and application of new. G. H. Ellis and F. Brown. 2,029,313; Feb. 4.
Earth cores, Apparatus for forming and surveying. J. R. McCardy. 2,030,015; Feb. 4.
Edger, Lawn. C. S. Scott. 2,029,949; Feb. 4.
Eggs, Poaching. A. L. Langel. 2,029,535; Feb. 4.
Elastic fabric. G. W. Lindley. 2,029,880; Feb. 4.
Electric fitting. P. D. Hartmann. 2,029,716; Feb. 4.
Electric meter. E. L. Bowles. 2,029,855; Feb. 4.
Electric timing apparatus. F. C. Kelly, Jr. 2,029,622; Feb. 4.
Electrical amplifier. P. N. Bennett. 2,029,854; Feb. 4.
Electrical disk brake. A. Y. Dodge. 2,029,862; Feb. 4.
Electrical impulses, Recording and reproduction of. A. Ringel. 2,029,339; Feb. 4.
Electrical receptacle plug. W. F. McIntosh. 2,030,018; Feb. 4.

Electrode, Illuminated cautery. A. Kleine. 2,029,487; Feb. 4.
Electrodeposition. P. R. Pine. 2,029,287; Feb. 4.
Electrolytic condenser. W. C. van Geel and H. Emmens. 2,029,451; Feb. 4.
Electromagnetic pump. J. W. Houston. 2,029,374; Feb. 4.
Electron discharge tube. H. O. Roosenstein, W. Kautter, and H. Rothe. 2,029,391; Feb. 4.
Embossing apparatus. J. J. Braund. 2,029,651; Feb. 4.
Engine: *See*—
Internal combustion engine.
Engine "Diesel". Internal combustion. H. Pokorney. 2,029,941; Feb. 4.
Esterification process. W. J. Bannister. 2,029,694; Feb. 4.
Esters of levulinic acid, Manufacture of. G. J. Cox and M. L. Dodds. 2,029,412; Feb. 4.
Exit doorlock. H. G. Voight. 2,029,901; Feb. 4.
Fabric: *See*—
Elastic fabric.
Fabric, Making a knitted. L. Wallerstein, B. A. Gale, and T. G. Hawley, Jr. 2,029,972; Feb. 4.
Fabric and making same, Printed. D. Ferguson and H. H. Schell. 2,029,768; Feb. 4.
Fastener: *See*—
Strap fastener.
Fastener unit. G. E. Prentice. 2,029,585; Feb. 4.
Fastening, Tool handle. H. Bettstadt. 2,029,784; Feb. 4.
Fats and oils, Refining. V. Jersey. 2,029,723; Feb. 4.
Feed mechanism for machine tool units. H. J. Kingsbury. 2,030,007; Feb. 4.
Feed water regulator. W. L. Hunter. 2,029,231; Feb. 4.
Feeder and catcher apparatus for rolling mills. J. E. Fawell. 2,029,915; Feb. 4.
Felt and making same. P. Drewsen. 2,029,310; Feb. 4.
Fence post. N. A. Ochiltree. 2,029,423; Feb. 4.
Fertilizer production from sewage. O. V. Austin. 2,029,648; Feb. 4.
Field tiller. O. B. Johnson. 2,029,872; Feb. 4.
File, Receipt control. H. W. Clark. 2,029,754; Feb. 4.
Filling and capping machine, Combined. E. F. Anderson. 2,029,299; Feb. 4.
Filling and closing machine. G. J. Huntley and J. S. Bartley. 2,029,528; Feb. 4.
Film-forming composition. L. Rosenthal and R. Hebermehl. 2,029,588; Feb. 4.
Film, Phonographic. R. Bernheim. 2,029,979; Feb. 4.
Films, Apparatus for taking or projecting lenticulated. F. Fischer, F. Strecker, and H. Netzebauer. 2,029,614; Feb. 4.
Films for the making of differential counts, Apparatus for preparing blood. D. J. B. Lubin. 2,029,496; Feb. 4.
Filter: *See*—
Desk filter.
Filter unit, Air or gas. H. E. Birkholz. 2,029,466; Feb. 4.
Finger ring. A. K. Coleman. 2,029,464; Feb. 4.
Finish removing process. C. Ellis. 2,029,892; Feb. 4.
Fire alarm. J. W. Alexander. 2,029,402; Feb. 4.
Firearm equipment for aircraft. R. Zindel. 2,029,692; Feb. 4.
Fire escape. B. Gilowitz. 2,029,419; Feb. 4.
Fire extinguishing apparatus. B. Pålsson. 2,029,836; Feb. 4.
Fish plate for laterally joining two or more metallic strips. A. B. Ralson. 2,029,635; Feb. 4.
Fishing rod. J. R. Howard and B. Biggers. 2,029,484; Feb. 4.
Fitting, Automatic ball closing. C. T. Bard. 2,030,019; Feb. 4.
Fixture housing, Floor outlet. E. B. Sargent. 2,029,398; Feb. 4.
Flashlight. O. Maiser. 2,029,578; Feb. 4.
Flashlights, Adjustable head for. W. Dabgin. 2,029,561; Feb. 4.
Flatiron. W. M. Schwartz. 2,029,948; Feb. 4.
Flinging device for ball games. R. B. Philipp. 2,029,790; Feb. 4.
Float control. L. C. Beadle. 2,029,405; Feb. 4.
Floor. C. A. Hach. 2,029,713; Feb. 4.
Floor. A. M. Isaacson. 2,029,721; Feb. 4.
Floor. R. H. McCarthy. 2,029,782; Feb. 4.
Floor, Wood. F. M. Bruce. 2,029,806; Feb. 4.
Flow indicator. K. Muhleisen. 2,029,688; Feb. 4.
Flower holder. I. M. Sinclair. 2,029,642; Feb. 4.
Fluid control device. H. W. Link. 2,029,498; Feb. 4.
Fluid flow control device. W. A. Chryst. 2,029,307; Feb. 4.
Fluid heater. W. H. Armacost. 2,029,284; Feb. 4.
Fluid motor. E. C. Horton. 2,030,003; Feb. 4.
Fluid-tightness for horizontal hydraulic cylinders, System for ensuring. G. L. E. J. Messier. 2,029,829; Feb. 4.
Fluids and apparatus therefor, Heating. J. G. Alther. 2,029,292; Feb. 4.
Fluids, Heating of. J. G. Alther. 2,029,293–4; Feb. 4.
Fluids into fuel gas, Converting hydrocarbon. F. E. Frey, W. P. Huppke, and J. A. Guyer. 2,029,657; Feb. 4.
Fluids, Method and apparatus for heating. J. G. Alther. 2,029,291; Feb. 4.
Fluids, System and apparatus for release of. D. Mapes. 2,029,639; Feb. 4.
Fly catcher. W. S. Driggers. 2,029,930; Feb. 4.
Fly screen. W. B. J. Moren. 2,029,839; Feb. 4.
Folding dip or minnow net bow. G. C. Meidenhauer. 2,029,582; Feb. 4.
Food products, Method and apparatus for preserving. S. W. Mathews and C. J. Benet. 2,030,014; Feb. 4.
Foot protecting device for skaters. A. A. Ohler. 2,029,787; Feb. 4.
Footwear and producing same, Article of. W. R. Hicks. 2,029,371; Feb. 4.
Formation tester, Gas-type. W. G. Lane. 2,029,461; Feb. 4.
Forms, Method and apparatus for making hosiery. W. J. De Witt. 2,029,706; Feb. 4.
Frame and holster construction, Car truck side. A. O. Buckius. 2,029,962; Feb. 4.
Fuel feeding apparatus. M. E. Mauer and S. C. Friedman. 2,029,780; Feb. 4.
Fuels, especially refuse, Apparatus for burning low-grade. V. Kolb. 2,029,576; Feb. 4.
Fur treating machine. F. W. Herstmann. 2,029,773; Feb. 4.
Furnace. J. S. Bennett. 2,029,285; Feb. 4.
Furnace of the suspended arch type, Metallurgical. E. A. Lindner. 2,029,492; Feb. 4.
Fuse, Drop-out. W. O. Schultz and A. O. Steinmeyer. 2,029,505; Feb. 4.
Game apparatus, Electrically operated. J. M. Prentiss. 2,029,834; Feb. 4.
Game board, Recording safety. H. F. Krantz. 2,029,988; Feb. 4.
Game table. J. K. Mitchell. 2,029,433; Feb. 4.
Garment manufacture. E. J. Golding. 2,030,026; Feb. 4.
Gas burner. B. Field and C. J. J. Clark. 2,029,611; Feb. 4.
Gas making apparatus. J. A. Guyer, F. E. Frey, and W. P. Huppke. 2,029,817; Feb. 4.
Gas process, Carburetted water. L. A. Angus. 2,030,000; Feb. 4.
Gas reactions, Carrying out exothermic catalytic. J. Bayer, A. Haltmeier, and K. Henecke. 2,029,904; Feb. 4.
Gases, Pyrolysis of hydrocarbon. M. Halpern, W. E. Logan, R. E. Manley, and W. Ullrich. 2,030,030; Feb. 4.
Gasket and gasket material. G. T. Balfe. 2,029,961; Feb. 4.
Gasket for refrigerator cabinets and the like. E. W. Vass. 2,029,845; Feb. 4.
Gasoline, Storage of. H. C. Weber. 2,029,743; Feb. 4.
Gauge: *See*—
Oil level gauge.
Plumb gauge.
Gear: *See*—
Reverse gear.
Transmission gear.
Gear cutter. W. H. Try. 2,029,309; Feb. 4.
Gear for counting mechanisms, Driving. P. Schubert. 2,029,677; Feb. 4.
Gear for railway cars, Running. E. W. Webb. 2,029,749; Feb. 4.
Gear generating machine. W. E. Sykes. 2,029,896; Feb. 4.
Gear shifting mechanism. E. G. Keating. 2,029,468; Feb. 4.
Generator: *See*—
Steam generator.
Glass and making the same, Laminated. J. G. McNally. 2,029,931; Feb. 4.
Grade finding mechanism. F. D. Wilson. 2,029,495; Feb. 4.
Green corn cutter. H. A. Sheldon. 2,029,244; Feb. 4.
Grinder, Hydraulic ball race. A. P. Steiner, E. P. Wise, and H. E. Baldiger. 2,029,810–11; Feb. 4.
Gum wrapping machine. M. J. Milmoe. 2,029,964; Feb. 4.
Gunfire for perforating casings, Controlling deep well. W. G. Lane. 2,029,490; Feb. 4.
Gun, Machine. E. F. Hodgley and M. Warner. 2,029,980; Feb. 4.
Gutter attachment for ventilating windows of motor vehicles. J. B. Andrews, Jr. 2,029,978; Feb. 4.
Hair clipper blade. G. Pfeiffer. 2,029,791; Feb. 4.
Hammer, Mechanical. E. E. Dorris. 2,029,093; Feb. 4.
Handbag, Reversible. A. Banner. 2,029,906; Feb. 4.
Handle for paper cups, Attachable. E. E. Koons. 2,029,459; Feb. 4.
Handles, Attaching means for. E. H. Mosher. 2,029,797; Feb. 4.
Hanger for eaves troughs. C. A. Carbaugh. 2,029,468; Feb. 4.
Head shaping machine. T. A. Richardson and C. W. Dawson. 2,029,898; Feb. 4.
Head wheel and making same, Numbering. G. J. Mott. 2,029,887; Feb. 4.
Headlight system. J. W. Van Denburg. 2,029,843; Feb. 4.
Heat conducting tube. T. E. Murray. 2,029,457; Feb. 4.
Heat exchanger. H. C. Truslow. 2,029,450; Feb. 4.
Heat recovery system. D. K. Dean. 2,029,880; Feb. 4.
Heat-treated cast steel wheel, Differentially. A. W. Gruy and R. H. Frank. 2,029,819; Feb. 4.
Heater: *See*—
Fluid heater.
Water heater.
Orchard heater.
Heel forming machine. C. H. Cousens. 2,029,954; Feb. 4.
Heels to shoes, Securing. E. Molk. 2,029,497; Feb. 4.
Helmet. A. E. Herner. 2,029,580; Feb. 4.
Hog ring clinching tool. W. F. Whitaker. 2,029,976; Feb. 4.
Holder: *See*—
Condiment holder.
Key holder.
Flower holder.
Tie holder.
Jar holder.
Holder. L. A. Anderson. 2,029,977; Feb. 4.

Holder for threads, cords, lines, wires, fly-casts and the like. H. D. Winchester. 2,029,975; Feb. 4.
Hose coupling thread terminus indicator. J. C. Schellin. 2,029,708; Feb. 4.
Hot gas valve. L. Bignard. 2,029,891; Feb. 4.
Hydraulic heat regulator. M. Olson. 2,029,449; Feb. 4.
Hydraulic press. J. K. Douglas and G. L. Heiden. 2,029,708; Feb. 4.
Hydrocarbon material and coke oven for practicing said process, Process of coking. A. H. Gallaher. 2,029,865; Feb. 4.
Identification device. P. M. Knudsen. 2,029,877; Feb. 4.
Igniting device. I. G. Carlson. 2,029,356; Feb. 4.
Ignition contacts in internal combustion engines, Obtaining the optimum position of. L. B. Kimball. 2,029,874; Feb. 4.
Ignition timer and coil. M. Mallory. 2,030,012; Feb. 4.
Inclination responsive device for aircraft. J. M. Boykow. 2,029,700; Feb. 4.
Inclosure for a number of indoor courts. G. Hadden and C. A. Holden. 2,030,029; Feb. 4.
Index, Shoe fitting. A. G. Bartschi and R. L. Huffine. 2,029,558; Feb. 4.
Indicator: *See*—
Flow indicator.
Vehicle service indicator.
Scriber indicator.
Industrial wastes, Digestion of. A. M. Buswell and C. S. Boruff. 2,029,702; Feb. 4.
Inking mechanism for check writers. H. C. Welter. 2,029,646; Feb. 4.
Insulating material. N. M. Elias. 2,029,511; Feb. 4.
Insulation. F. W. Seving, A. Bergqvist, and E. R. Olsson. 2,029,679; Feb. 4.
Internal combustion engine. N. F. Andersson. 2,029,602; Feb. 4.
Internal combustion engine. G. S. Ellis and H. H. Stewart. 2,029,900; Feb. 4.
Iron, Cake baking. H. G. Tatesian. 2,029,448; Feb. 4.
Iron, Electric. L. Schilling. 2,029,597; Feb. 4.
Ironing machine. C. R. Morgenstern. 2,029,382; Feb. 4.
Jar holder. W. F. Connelly and W. F. Yeoman. 2,029,810; Feb. 4.
Jar lifter. W. F. Connelly and W. F. Yeoman. 2,029,809; Feb. 4.
Jarring tool. I. J. McCullough. 2,029,579; Feb. 4.
Joint for pressure vessels, High pressure. K. Bredtschneider. 2,029,606; Feb. 4.
Journal box. G. F. Couch. 2,029,521; Feb. 4.
Key holder. J. M. Bennett. 2,029,696; Feb. 4.
Knitting machine. G. W. Lindley. 2,029,879; Feb. 4.
Latch: *See*—
Sash and screen latch.
Camera latch.
Lathe, Automatic. H. W. Ruppel. 2,029,638; Feb. 4.
Layers of material, Method of and machine for uniting. J. T. Heckel and R. S. Walker. 2,029,922; Feb. 4.
Lead, Preparing tetra alkyl. L. S. Bake. 2,029,801; Feb. 4.
Leather and making the same, Decorative patent. H. J. Kaplan. 2,029,877; Feb. 4.
Lifter: *See*—
Jar lifter.
Lighter. L. H. Best. 2,029,697; Feb. 4.
Lighter, Electrically-operated cigarette. D. T. S. MacLennan. 2,030,011; Feb. 4.
Lighting apparatus, Electric. A. Claude. 2,029,986; Feb. 4.
Liquid dispenser. D. L. Spender. 2,029,743; Feb. 4.
Liquid dispensing device. E. L. Nail. 2,029,884; Feb. 4.
Liquid trapping device. L. A. Bliss. 2,029,852; Feb. 4.
Liquids, Hydrocarbon. R. B. Day. 2,029,757; Feb. 4.
Liquids, Process and apparatus for contacting two. R. R. Wilson. 2,029,690; Feb. 4.
Liquids, Regenerating absorbent. A. Christensen. 2,029,411; Feb. 4.
Lister planters, Attachment for. C. K. Rhodd and R. V. Colling. 2,029,680; Feb. 4.
Loaf of bread, Baking a. L. L. Lasseter. 2,029,864; Feb. 4.
Lock: *See*—
Pairproof lock.
Yieldable safety lock.
Sash lock.
Lock and holder, Sash. D. Jones. 2,029,599; Feb. 4.
Lock for dumbwaiters, Automatic. S. Halasi. 2,029,587; Feb. 4.
Locking mechanism. A. S. Wheelbarger. 2,029,806; Feb. 4.
Locomotive tender. H. F. Anderson. 2,029,596; Feb. 4.
Locomotive tender. W. C. Peyton. 2,029,227; Feb. 4.
Locomotive tender. C. J. Surdykowski. 2,029,596; Feb. 4.
Locomotive tender. C. J. Surdykowski. 2,029,597; Feb. 4.
Loom: *See*—
Shuttle changing loom.
Lubricating machine, Automatic. W. M. Lipplecott. 2,029,327; Feb. 4.
Lubricating material, Solid. H. D. Geyer. 2,029,396; Feb. 4.
Lubricator: *See*—
Rail lubricator.
Machine for attaching articles to other objects. H. A. Bickford. 2,029,353; Feb. 4.
Machine for continuously inserting bottoms and lids in finished vessel walls of paper, cardboard, and the like. C. Majer. 2,029,227; Feb. 4.
Machine for salvaging carbons. W. R. Cross. 2,029,822; Feb. 4.
Machine for winding electrical coils. A. W. Le Boeuf. 2,029,577; Feb. 4.
Machine tool. J. L. Perkins. 2,029,385; Feb. 4.
Magazine loader. R. F. Schiveley. 2,029,444; Feb. 4.
Magnesium alloys, Rolling. R. D. Lowry and F. L. Reynolds. 2,029,728; Feb. 4.
Magnesium, Apparatus for producing substantially pure. F. Hansgirg. 2,029,921; Feb. 4.
Magnesium, Purifying. W. Schmidt and A. Beck. 2,029,896; Feb. 4.
Malt, Apparatus for preparation of. A. E. Jonsson. 2,029,873; Feb. 4.
Mask and making the same, Facial. R. M. Schmitt and C. M. Ball. 2,029,947; Feb. 4.
Material, Device for conveying finely divided. A. Andreas. 2,029,403; Feb. 4.
Material handling mechanism. O. R. Strawa. 2,029,512; Feb. 4.
Materials, Process and apparatus for contacting two. R. R. Wilson. 2,029,689; Feb. 4.
Mercury switch, Centrifugal electrical. G. E. Moore. 2,029,632; Feb. 4.
Metal fence post. E. Pavek. 2,029,739; Feb. 4.
Metal mold. A. E. Norton and M. Guyot. 2,029,499; Feb. 4.
Metal recovery. H. N. Gilbert. 2,029,908; Feb. 4.
Metal rolling mill. J. L. Adams, Jr. 2,029,751; Feb. 4.
Metal stock and apparatus therefor, Preparing. E. L. Templin. 2,029,500; Feb. 4.
Metals electrolytically, Depositing. P. R. Pine. 2,029,286; Feb. 4.
Meter: *See*—
Electric meter.
Meter disk. F. W. Hanks. 2,029,819; Feb. 4.
Micrometer. W. Pincin. 2,029,940; Feb. 4.
Mill: *See*—
Metal rolling mill.
Mining machine. C. A. Pratt. 2,029,788; Feb. 4.
Mirror, Rear view. W. H. Colbert. 2,029,911; Feb. 4.
Mit, Scrubbing. C. E. Lierley. 2,029,626; Feb. 4.
Modulating electric valve. L. L. Cunningham. 2,029,466; Feb. 4.
Mold: *See*—
Metal mold.
Typographic mold.
Molding apparatus, Permanent. H. J. Roehirt, A. T. Bateman, and A. Irvine. 2,029,673; Feb. 4.
Molding composition. K. Ripper. 2,029,894; Feb. 4.
Molding composition and molded articles made therefrom. K. Ripper. 2,029,836; Feb. 4.
Monolithic cementitious pipe. E. P. Halliburton. 2,029,369; Feb. 4.
Motor: *See*—
Fluid motor.
Motor or pump, Rotary. F. W. Scharf. 2,029,890; Feb. 4.
Mounting, Car spring. J. J. Tatum. 2,029,644; Feb. 4.
Mounting for the crystal of a wrist watch casing. J. Goldblatt. 2,029,769; Feb. 4.
Mower, Lawn. H. B. Newton. 2,029,498; Feb. 4.
Mulch and method of using the same. F. W. Sperr, Jr. 2,029,348; Feb. 4.
Nesting box with stacking irons. N. Tufts and E. T. Johnson. 2,029,746; Feb. 4.
Nitrocellulose, Production of. M. O. Schur. 2,029,547; Feb. 4.
Nose pad connection for eyeglass frames. E. R. Durgin. 2,029,470; Feb. 4.
Nozzle. W. B. Parker. 2,029,337; Feb. 4.
Nozzle for flat-spraying appliances, Air. E. Gustafsson. 2,029,423; Feb. 4.
Nozzle, Inspirating. W. B. Parker. 2,029,338; Feb. 4.
Nozzle of vacuum cleaning apparatus, Suction. L. F. McCardle. 2,029,666; Feb. 4.
Objective. L. Bertele. 2,029,806; Feb. 4.
Oil burner. F. Cossoll. 2,029,859; Feb. 4.
Oil burner. O. C. Schroeder and S. Perry. 2,029,741; Feb. 4.
Oil gas generating apparatus. L. B. Harris. 2,029,774; Feb. 4.
Oil level gauge. H. L. Rankin. 2,029,672; Feb. 4.
Oil, Method and apparatus for distillation of. A. G. Page. 2,029,501; Feb. 4.
Oil, Reducing of South Texas lubricating. W. H. Beardsley. 2,029,905; Feb. 4.
Oil, Treatment of hydrocarbon. J. C. Morrell. 2,029,785; Feb. 4.
Oil, Coking of hydrocarbon. L. A. Mekler. 2,029,788; Feb. 4.
Oils, Conversion of hydrocarbon. G. D. White. 2,029,501; Feb. 4.
Oils, Treatment of hydrocarbon. R. B. Day. 2,029,758; Feb. 4.
Opener, Can. H. L. Dasey. 2,029,812; Feb. 4.
Ophthalmic lens and blank therefor, Multifocal. J. H. Hammon. 2,029,479–80; Feb. 4.
Optical effects by electrical means, Method of and apparatus for obtaining. G. W. Walton. 2,029,401; Feb. 4.
Orchard heater. H. F. Summerhays. 2,029,548; Feb. 4.
Orthodontic appliance. P. N. Williams. 2,029,904; Feb. 4.
Oscillator. A. H. Taylor and L. C. Young. 2,029,346; Feb. 4.
Oscillator, Negative resistance crystal controlled. E. L. Koch. 2,029,483; Feb. 4.
Oxidation products, Purification of. J. H. James. 2,029,619; Feb. 4.

Packaging. E. I. Burke. 2,029,963; Feb. 4.
Packing for homogenizers. J. A. Clark. 2,029,463; Feb. 4.
Paneiproof lock. J. V. Eichel, Jr. 2,029,991; Feb. 4.
Paper and producing the same, Waterproofed plastic. R. V. Rodgers. 2,029,590; Feb. 4.
Paper conversion. F. C. Schueler. 2,029,446; Feb. 4.
Paper pulp making process. S. D. Wells. 2,029,973; Feb. 4.
Paper slitting and slotting machine. J. R. Lee, O. T. Gylleck, and F. Barney. 2,029,624; Feb. 4.
Partition-fixture unit, Combined. R. L. Davison. 2,030,024; Feb. 4.
Pencil, Mechanical. C. H. Davis. 2,030,025; Feb. 4.
Pencil, Mechanical lead. W. E. Eisenhauer. 2,029,767; Feb. 4.
Pencil, Self-feeding. T. H. Maurer. 2,029,731; Feb. 4.
Petroleum distillates, Treatment of cracked. E. B. McConnell. 2,030,033; Feb. 4.
Petroleum resin. U. B. Bray. 2,029,238; Feb. 4.
Petroleum, Treatment of. J. B. Barnes. 2,029,752; Feb. 4.
Phosphate charging stock, Preparing. H. A. Curtis and A. J. Abrams. 2,029,309; Feb. 4.
Phosphorus from dilute gases, Recovery of. F. P. Kerschbaum, W. H. Waggaman, and S. D. Geoch. 2,029,683; Feb. 4.
Photo-electric tube and making same. J. H. de Boer, J. Bruynes, and M. C. Teves. 2,029,414; Feb. 4.
Photographic emulsions, Making. M. Schmid. 2,029,946; Feb. 4.
Picture, Composite. W. H. O'Brien. 2,029,500; Feb. 4.
Picture display device. O. C. Dennis. 2,029,415; Feb. 4.
Pile fabric and making the same. F. M. Kaufman. 2,029,621; Feb. 4.
Pillow. S. Buchman. 2,029,608; Feb. 4.
Pipe: *See*—
Monolithic cementitious Water pipe.
pipe.
Pipe. C. A. Hill. 2,029,424; Feb. 4.
Pipe closure, Tank filling. E. A. Gould and H. de Caigny. 2,029,477; Feb. 4.
Piston, Composite rubber. H. D. Geyer. 2,029,267; Feb. 4.
Pitch propeller, Automatic change. C. Peterson. 2,029,503; Feb. 4.
Plants, Method and material for improving the growth of. W. B. Doe. 2,029,968; Feb. 4.
Plasterboard reenforcement. R. J. Sterling. 2,029,840; Feb. 4.
Plate for variable condensers, Variable. K. Lucas. 2,029,537; Feb. 4.
Plow, Helicoidal. J. N. Newsom. 2,030,034; Feb. 4.
Plow, Snow. L. T. Ross. 2,029,545; Feb. 4.
Plug: *See*—
Electrical receptacle plug. Spark plug.
Plug valve. S. J. Nordstrom. 2,029,433; Feb. 4.
Plumb gauge. J. F. Duby. 2,029,364; Feb. 4.
Pocket, Center expanding. H. Wehner. 2,029,686; Feb. 4.
Portable container. R. J. Lewis. 2,029,431; Feb. 4.
Post: *See*—
Fence post. Metal fence post.
Pothead. F. C. Meyer and G. E. Moffit. 2,029,832; Feb. 4.
Powder-spraying appliance. S. Bramsen, F. Wahlin, and E. Gustafsson. 2,029,408; Feb. 4.
Power tool, Combination. H. Lambke. 2,029,326; Feb. 4.
Press: *See*—
Baling press. Rotary printing press.
Hydraulic press.
Pressure to shoe bottoms, Apparatus for use in applying. F. Kennison. 2,029,324; Feb. 4.
Printing machine. S. Furman. 2,029,996; Feb. 4.
Printing preparation and process. F. Grieshaber. 2,029,990; Feb. 4.
Product and preparing same. J. A. Arvin. 2,029,851; Feb. 4.
Products by subjecting a material to relatively high temperatures, Method and apparatus for manufacturing. L. R. Campbell. 2,029,307; Feb. 4.
Products containing spinels, Obtaining. T. B. Hagland. 2,029,773; Feb. 4.
Projection apparatus. D. F. Newman. 2,029,038; Feb. 4.
Propeller puller. P. Kelly. 2,030,006; Feb. 4.
Protective device. R. H. Earle. 2,029,562; Feb. 4.
Protector: *See*—
Guywire protector. Shade protector.
Protector for use with hairdresser's wrappers or the like, Neck. A. Förster. 2,029,417; Feb. 4.
Puller: *See*—
Propeller puller.
Pulverization. M. Frisch. 2,029,917; Feb. 4.
Pump: *See*—
Electromagnetic pump. Turbine well pump.
Screw feed centrifugal pump.
Pump and compressor. C. W. Berggren. 2,029,554; Feb. 4.
Pump or motor. W. J. Carey. 2,029,520; Feb. 4.
Pump or motor, Balanced gear. W. C. Sieverts. 2,029,742; Feb. 4.
Pump stop mechanism for typographical line casting machines. P. Wunsch. 2,029,976; Feb. 4.
Pumping apparatus. A. C. Durdin, Jr. 2,029,705; Feb. 4.
Punch and holder, Recess forming. V. J. Roddy. 2,029,944; Feb. 4.
Punch, Can. F. W. Brenner. 2,029,507; Feb. 4.
Pyridines and making the same, Tri-fluoro-methyl-phenyl-azo-diamino. M. Bugnimann. 2,029,115; Feb. 4.
Quartz crystal, Piezoelectric. R. Lucas. 2,029,729; Feb. 4.
Radio receiving apparatus, Aeronautic. S. L. Cassel. 2,029,909; Feb. 4.
Rail handling and treatment, Process and apparatus for. O. Bent and E. F. Kenney. 2,029,286; Feb. 4.
Rail lubricator. R. B. Mennie. 2,029,826; Feb. 4.
Rail shift mechanism for linecasting and composing machine. L. M. Walden. 2,029,400; Feb. 4.
Range construction, Cooking. J. Teller and A. P. Schuh. 2,029,449; Feb. 4.
Range finder for cameras. J. Mihalyi. 2,029,932; Feb. 4.
Razor blade packaging machine. M. J. Mifsud. 2,029,983; Feb. 4.
Reagent for water purification and producing same. O. M. Urbain and W. R. Stemen. 2,029,966; Feb. 4.
Receiving and transferring device. J. C. McLean. 2,029,781; Feb. 4.
Receptacle: *See*—
Dispensing receptacle.
Recorder and reproducer, Combined. E. F. Mallin. 2,029,730; Feb. 4.
Red pigments. E. Lederle. 2,030,008; Feb. 4.
Reflector. C. A. James. 2,029,275; Feb. 4.
Reel: *See*—
Wire reel.
Refractory material, Manufacture of basic. R. L. Lloyd and R. W. Hyde. 2,029,627; Feb. 4.
Refrigeration. C. F. Holmes. 2,029,570; Feb. 4.
Refrigerator display case. R. P. Desmicht. 2,029,899; Feb. 4.
Regulator: *See*—
Feed water regulator. Hydraulic heat regulator.
Releasing arrangement for electric switches. H. Berg. 2,029,980; Feb. 4.
Remote control for radio receivers. C. E. Brush. 2,029,811; Feb. 4.
Remote control system. H. S. Polin. 2,029,542; Feb. 4.
Resins of amine-aldehyde type, Manufacture of synthetic. T. Sutter. 2,029,964; Feb. 4.
Resonator for stringed musical instruments. R. Deppen. 2,029,480; Feb. 4.
Reverse gear. F. N. Bard, C. L. Charles, and T. C. Coy. 2,029,404; Feb. 4.
Ring: *See*—
Finger ring.
Road roller. C. F. Greiner. 2,029,659; Feb. 4.
Roadway construction. R. C. Olmsted. 2,029,892; Feb. 4.
Rod: *See*—
Fishing rod.
Roll for clothes wringers. G. F. Blume. 2,029,459; Feb. 4.
Roller: *See*—
Road roller.
Roller attachment. A. Hofmann. 2,029,372; Feb. 4.
Roller cutter reamer. J. Grant. 2,029,770; Feb. 4.
Roller manufacture, Garden. D. B. Budd and F. C. Spahr. 2,029,518; Feb. 4.
Roof covering. D. B. Fegles. 2,029,517; Feb. 4.
Roof or curtain, Folding flexible. A. G. Schlicher. 2,029,676; Feb. 4.
Roof slab, Reenforced insulating. C. J. Beckwith. 2,029,353; Feb. 4.
Roofing structure. E. Herieg. 2,029,969; Feb. 4.
Rotary printing press. E. T. C. Hardy. 2,029,565; Feb. 4.
Rubber and making the same, Sponge. G. S. Hiers. 2,029,617; Feb. 4.
Rubber articles, Apparatus for shirring. A. E. Collins. 2,029,350; Feb. 4.
Rubber articles, Making ornamented. L. H. L'Hollier and A. L. Diller. 2,029,379; Feb. 4.
Rubber latices, Concentrating. A. E. Peterson and V. Geneseche. 2,029,831; Feb. 4.
Rubbing device. E. H. Kingdon. 2,029,426; Feb. 4.
Ruler attachment. W. Stahl. 2,029,899; Feb. 4.
Ruler, Perpetual calendar. F. V. Topple. 2,029,843; Feb. 4.
Safety appliance for flanged wheels. J. A. Herbert. 2,029,922; Feb. 4.
Safety appliance for trucks of railway cars. J. A. Herbert. 2,029,924; Feb. 4.
Salt mixtures, Working up of natural and industrial. C. Kircher, F. Mueller, and H. Succowgruth. 2,029,631; Feb. 4.
Sand separator. D. Jones. 2,029,828; Feb. 4.
Sash and doors, Double glazing window. C. J. Martinson. 2,029,541; Feb. 4.
Sash and screen latch, Combination. J. H. Vinton. 2,029,452; Feb. 4.
Sash lock. J. A. Obenchain. 2,029,583; Feb. 4.
Scale, Computing weighing. C. O. Marshall. 2,030,051; Feb. 4.
Scale, Weighing. S. O. Bennett. 2,029,907; Feb. 4.
Scale, Weighing. S. N. Hurt. 2,029,926; Feb. 4.
Scale, Weighing. P. V. Waltz. 2,029,902; Feb. 4.
Scale, Weighing. M. A. Wechsrly. 2,029,903; Feb. 4.
Screen: *See*—
Fly screen. Vibrating screen.
Screw feed centrifugal pump. A. C. Durdin, Jr. 2,029,704; Feb. 4.
Scriber indicator. F. Markowicz. 2,029,685; Feb. 4.

Separating device. M. D. Prince. 2,029,671; Feb. 4.
Separator: *See*—
Sand separator.
Sewage sludge, Method and apparatus for burning. M. H. Kuhner. 2,029,725; Feb. 4.
Sewing machine. N. Rapeport and R. W. Armstrong. 2,029,942; Feb. 4.
Shade protector. D. W. Cussey. 2,029,906; Feb. 4.
Shade, Window. P. M. Schlamp. 2,029,670; Feb. 4.
Shaft adjusting means. H. B. Greenwood. 2,030,027-8; Feb. 4.
Sheathed articles, Apparatus for producing. C. F. Moody and E. A. Mitchell. 2,029,435; Feb. 4.
Ship construction. H. P. Frear. 2,029,712; Feb. 4.
Shipping container. G. T. Hynes and G. S. Smith. 2,030,040; Feb. 4.
Shoe, Arch support. L. C. Brand. 2,029,409; Feb. 4.
Shutter, Reflex. M. Friedland. 2,029,418; Feb. 4.
Shuttle changing loom. L. S. Voss. 2,029,901; Feb. 4.
Sign: *See*—
Display sign.
Sign. R. Young. 2,029,750; Feb. 4.
Signal: *See*—
Audible electric signal.
Signaling device, Selective. R. M. Rickard. 2,029,636; Feb. 4.
Signaling system. L. H. Johnson and F. K. Low. 2,029,723; Feb. 4.
Signaling system, Selective. J. C. Field. 2,029,710; Feb. 4.
Silencer. J. Laubscher. 2,030,003; Feb. 4.
Silk and silk products, Treating. L. Wallerstein, T. Hawley, and E. A. Gale. 2,029,250; Feb. 4.
Silk fabrics, Mixed cellulose acetate-natural. L. Wallerstein, R. A. Gale, and T. G. Hawley, Jr. 2,029,971; Feb. 4.
Silk, Printing acetate artificial. W. Jacob and A. Schürch. 2,029,568; Feb. 4.
Sink and draining board, particularly for domestic use. O. T. Webber. 2,029,902; Feb. 4.
Skate, Roller. A. F. W. Ruske. 2,029,892; Feb. 4.
Slot closer. L. C. Lake. 2,029,882; Feb. 4.
Slug casting machine. A. J. Stouges. 2,029,962; Feb. 4.
Smoke preventer, Automatic. E. Mills. 2,030,017; Feb. 4.
Smoking stand. E. Schultz. 2,029,542; Feb. 4.
Soap pulveriser and dispenser. A. K. Burditt. 2,029,701; Feb. 4.
Soap stabiliser. E. M. Read. 2,029,506; Feb. 4.
Sole edges of rubber-soled shoes, Method of and apparatus for operating on the. F. D. Kinney. 2,029,883; Feb. 4.
Solutions, Dehydration of. A. B. Macallum. 2,029,829; Feb. 4.
Solvent fractionation. G. L. Parkhurst. 1,029,629; Feb. 4.
Sound producing device. A. G. Schock. 2,029,641; Feb. 4.
Spark plug. A. A. Kazarjian. 2,029,570; Feb. 4.
Spark plug. E. B. Nowosielski. 2,029,660; Feb. 4.
Spool and protector therefor. E. Hoffman. 2,029,320; Feb. 4.
Spool and winder therefor. D. W. Klau. 2,029,427; Feb. 4.
Spring for vehicles. L. D. Foley. 2,029,472; Feb. 4.
Stand: *See*—
Display stand. Smoking stand.
Steam generator. H. J. Schneider. 2,029,888; Feb. 4.
Steel and its production, Nitrided. W. Krell. 2,029,734; Feb. 4.
Steering mechanism. C. V. Koons. 2,029,878; Feb. 4.
Step for vehicles and the like, Retractable. E. E. Stiner. 2,029,745; Feb. 4.
Stereoscopic effects, Method and apparatus for producing. N. Arfsten. 2,029,300; Feb. 4.
Steriliser. H. E. Tyler. 2,029,844; Feb. 4.
Stills, Method and apparatus for firing oil. C. H. Thayer. 2,029,956; Feb. 4.
Stoker. W. T. Capps. 2,029,519; Feb. 4.
Stoker, Multiple underfeed. E. F. Harrison. 2,029,296; Feb. 4.
Stove construction. A. S. Knapp and H. Smith. 2,029,573; Feb. 4.
Strap fastener. L. Mann. 2,029,330; Feb. 4.
Strip, Composite. J. Rabinowitz. 2,029,442; Feb. 4.
Structural element. H. L. Waugh. 2,029,645; Feb. 4.
Sugar cane juice, Apparatus for straining. A. C. I. Coulter. 2,029,655; Feb. 4.
Sulphur dioxide, Method and apparatus for the production of. H. O. C. Ingraham. 2,030,021; Feb. 4.
Superchanging device for oil pumps. C. E. Fox. 2,029,478; Feb. 4.
Superheater. H. Peperkorn. 2,029,884; Feb. 4.
Support: *See*—
Adjustable lamp support. Yieldable support.
Surfaces of comminuted material, Producing. A. L. Diller and L. H. L'Hollier. 2,029,381; Feb. 4.
Surgical instrument. F. A. Love. 2,029,485; Feb. 4.
Swaging and alignment die. S. E. Dallas. 2,029,704; Feb. 4.
Switch: *See*—
Mercury switch.
Switches, Actuating enclosed electric. N. A. Torabinen. 2,029,509; Feb. 4.
Switching unit, Metal clad. A. M. Bowman. 2,029,589; Feb. 4.
Swivel. J. E. Morgan, Jr., and D. A. Murphy. 2,029,681; Feb. 4.
Swivel. D. Timbs and D. A. Murphy. 2,029,596; Feb. 4.
Syringe, Dental. C. E. Meitzler. 2,029,734; Feb. 4.
Syringe, Water. J. J. Holland. 2,029,483; Feb. 4.
Table: *See*—
Game table.
Table construction. J. K. Mitchell. 2,029,434; Feb. 4.
Table covering. A. D. Collette. 2,029,856; Feb. 4.
Tank washing apparatus. W. Ostling. 2,029,788; Feb. 4.
Tanks and the like, Apparatus for cleaning. C. Richard. 2,029,795; Feb. 4.
Tanning material, Synthetic. A. O. Jaeger. 2,029,822; Feb. 4.
Tar, Distillation of. A. A. MacCubbin and J. Eavertaik, Jr. 2,029,583; Feb. 4.
Telephone system. L. T. Anderson and F. K. Low. 2,029,692; Feb. 4.
Telephone system. R. L. Stokely. 2,029,683; Feb. 4.
Television system. T. A. Smith. 2,029,396; Feb. 4.
Tellurium compounds and preparing the same, Organic. M. A. Perkins. 2,030,035; Feb. 4.
Temperature control device for furnaces. E. M. Baker. 2,029,551; Feb. 4.
Temperature control system. D. G. Taylor. 2,029,518; Feb. 4.
Tetranales of the camphor group and products therefrom, Producing. K. F. Schmidt. 2,029,799; Feb. 4.
Textiles, Manufacture of. L. Wallerstein, R. A. Gale, and T. G. Hawley, Jr. 2,029,968; Feb. 4.
Thermostat construction. H. Smith. 2,029,595; Feb. 4.
Thermostatic relief valve. W. K. Simpson. 2,029,950; Feb. 4.
Thread cutting tool. E. Thomson. 2,029,514; Feb. 4.
Thread fluid treating device. H. R. Childs. 2,029,910; Feb. 4.
Threading and facing tool. W. W. Vosper. 2,029,847; Feb. 4.
Tie for extension trackways. L. E. Harvey. 2,029,820; Feb. 4.
Tie holder. M. Thomas. 2,029,597; Feb. 4.
Tile connector, Drain. M. R. Gutman. 2,029,920; Feb. 4.
Tissue and making same, Transparent. C. Hills. 2,029,525; Feb. 4.
Titanium dioxide, Producing. W. T. Little. 2,029,881; Feb. 4.
Toaster base assembly. W. B. Kochner. 2,029,575; Feb. 4.
Tobacco, Treatment of. B. Loewenthal. 2,029,494; Feb. 4.
Tool: *See*—
Boring tool. Power tool.
Hog ring clinching tool. Thread cutting tool.
Jarring tool. Threading and facing tool.
Machine tool. Well tool.
Tool for lapping valve seats. H. A. Berkman. 2,029,753; Feb. 4.
Toy, Animated mechanical. G. M. Steel. 2,029,744; Feb. 4.
Toy, Walking. F. E. B. Whitehouse. 2,029,849; Feb. 4.
Trailer. W. Porteous. 2,029,540; Feb. 4.
Transmission. G. O. Jones. 2,029,661; Feb. 4.
Transmission gear. W. Black. 2,029,961; Feb. 4.
Transmitting element. B. V. J. Tower. 2,029,516; Feb. 4.
Traveling bag. M. Damm. 2,029,466; Feb. 4.
Tray, Display. F. H. Kernen. 2,029,862; Feb. 4.
Trimmer, Paper. C. L. Friermood. 2,029,910; Feb. 4.
Trimming machine. L. J. Bassoul. 2,029,804-5; Feb. 4.
Tripping mechanism. R. B. Zuber. 2,029,456; Feb. 4.
Trolley system. O. Conradty. 2,029,887; Feb. 4.
Truck, Barrel. H. Dawson. 2,029,656; Feb. 4.
Truck, Transport. C. E. Kohl. 2,029,489; Feb. 4.
Truss, Eccentric. J. W. Buckley. 2,029,557; Feb. 4.
Tube: *See*—
Brass tube. Heat conducting tube.
Electron discharge tube.
Tubes, Method and machine for making tapered. G. E. Barnhart. 2,029,552; Feb. 4.
Tubular condenser. L. Kopinski. 2,029,490; Feb. 4.
Tuning control for radio communication apparatus, Automatic. F. T. Leahy, Jr. 2,029,779; Feb. 4.
Turbine rotor construction. C. E. Soderberg. 2,029,881; Feb. 4.
Turbine well pump. De M. G. Miller. 2,029,833; Feb. 4.
Turbomachines, Apparatus for regulating. U. Meininghaus. 2,029,331; Feb. 4.
Turpentine gum cup cover. B. S. Kelly. 2,029,571; Feb. 4.
Two-stage valve. W. H. Gills. 2,029,615; Feb. 4.
Typewriter, Electrical multiple. J. Trachtenberg. 2,029,529; Feb. 4.
Typewriter, Electrical multiple. J. Trachtenberg. 2,029,967; Feb. 4.
Typographic mold. M. C. Indahl. 2,029,529; Feb. 4.
V-slot paper cutter. J. R. and J. W. Lee, O. T. Gylleck, and F. Barney. 2,029,625; Feb. 4.
Vacuum cleaner. E. Edström. 2,029,613; Feb. 4.
Valve: *See*—
Balanced automatic valve. Plug valve.
Blow-off valve. Thermostatic relief valve.
Hot gas valve. Two-stage valve.
Modulating electric valve.
Valve. W. R. Kinnaird. 2,029,777; Feb. 4.

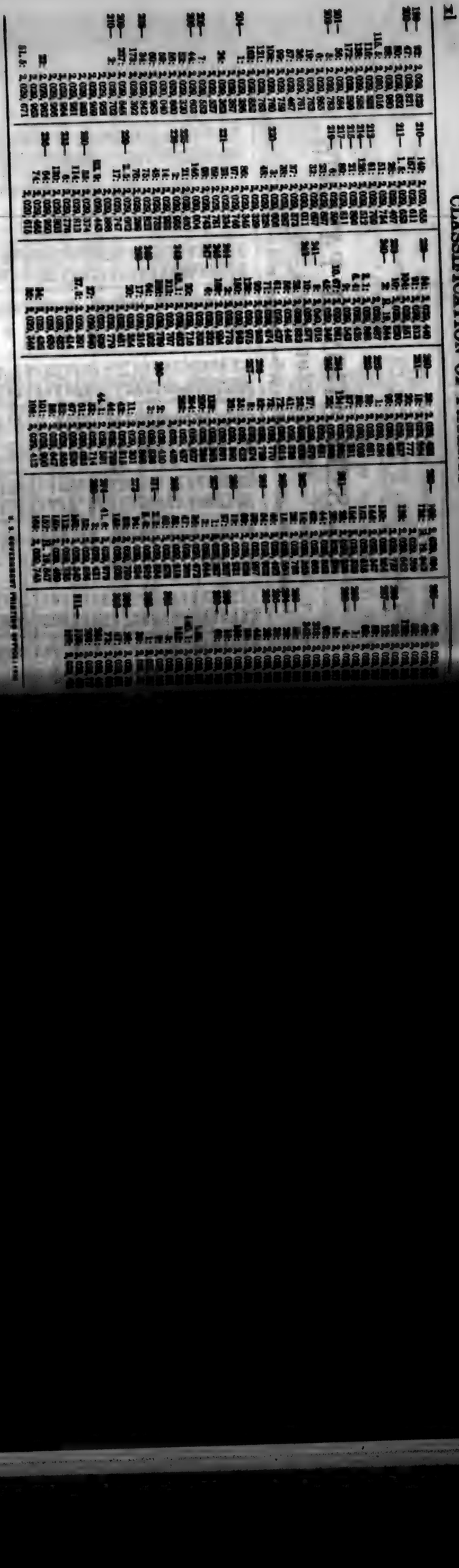
Valve construction, Denture. M. M. Rubinstein. 2,029,945; Feb. 4.
Valve deflector, Intake. J. R. Merriam. 2,029,581; Feb. 4.
Valve, more particularly for siphon discharge apparatus, Hydrostatic. R. Niccolai. 2,029,989; Feb. 4.
Valves, Making hollow forged. W. Scrimgeour. 2,029,507; Feb. 4.
Vane for fans or the like, Guiding. R. De Mey. 2,029,513; Feb. 4.
Vase, Ground-level cementery. S. Ellis. 2,029,314; Feb. 4.
Vehicle, Articulated track. H. Liechty. 2,030,010; Feb. 4.
Vehicle body. A. Davis, Jr. 2,029,756; Feb. 4.
Vehicle, Dump. H. F. Flowers. 2,029,995; Feb. 4.
Vehicle, Motor. A. L. Knapp. 2,029,534; Feb. 4.
Vehicle service indicator, Motor. L. R. Deibler. 2,029,468; Feb. 4.
Ventilator: *See*—
Window ventilator.
Vermiculite, Making expanded. P. S. Denning. 2,029,524; Feb. 4.
Vessels, Apparatus for washing drinking. C. Chambers. 2,029,855; Feb. 4.
Vibrating screen. W. L. Wettlaufer. 2,029,848; Feb. 4.
Vibration dampener. F. M. M. B. Salomon. 2,029,790; Feb. 4.
Vibrator, Electromechanical. J. K. Clapp. 2,029,358; Feb. 4.
Volume control, Tone compensated. L. F. Curtis. 2,029,523; Feb. 4.
Wainscoting construction. J. W. Winterich. 2,029,549; Feb. 4.
Wall block coupling. F. S. Klein. 2,029,876; Feb. 4.
Wall structure, Reenforced. J. Kublanow. 2,029,878; Feb. 4.
Washing and drying machine, Combined. J. C. Nelson. 2,029,937; Feb. 4.
Watch attachment. A. H. Fischer. 2,029,416; Feb. 4.
Watchcase, Watertight. E. Morf. 2,029,784; Feb. 4.
Watch movement for fancy watches. H. Colomb. 2,029,559; Feb. 4.
Water flow in oil wells, Reducing. R. R. Ayres. 2,029,649; Feb. 4.
Water heater. T. H. Ireland. 2,029,827; Feb. 4.
Water heater, Electric. A. F. Craver. 2,029,987; Feb. 4.
Water pipe. S. McMichael. 2,029,630; Feb. 4.
Water purification. O. M. Urbain. 2,029,959–61; Feb. 4.
Waters, Purification of organically polluted. O. M. Urbain. 2,029,958; Feb. 4.
Waters, Purification of potable and polluted. O. M. Urbain and W. R. Stemen. 2,029,962–4; Feb. 4.
Wave transmission network. H. W. Bode. 2,029,[illegible]; Feb. 4.
Web registering device. F. B. Fuller. 2,029,918; Feb. 4.
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Weight, Wheel balancing. V. L. De Sang. 2,029,581; Feb. 4.
Welding, Apparatus for electric. F. L. Sessions. 2,029,594; Feb. 4.
Well tool. M. Burns and H. P. Wickersham. 2,029,[illegible]; Feb. 4.
Wells, Apparatus for and method of cementing. S. R. Manning. 2,029,890; Feb. 4.
Wells, Apparatus for sewing. H. F. Beardmore. 2,029,457; Feb. 4.
Wells, Perforating deep. M. W. Haimes. 2,029,[illegible]; Feb. 4.
Wheel: *See*—
Demountable wheel.
Heat-treated cast steel wheel.
Wicking. G. S. Fabel. 2,029,994; Feb. 4.
Windmill. H. Schlachter. 2,029,674; Feb. 4.
Window construction. W. T. Griffin. 2,029,772; Feb. 4.
Window illumination, Advertising. W. Tompkin. 2,029,941; Feb. 4.
Window ventilator. H. R. Campbell and A. Sargent. 2,029,610; Feb. 4.
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Wire reel. J. R. Sutliff. 2,029,953; Feb. 4.
Wire spooler, Belt driven. W. D. Pierson. 2,029,883; Feb. 4.
Wringers, Safety feeding device for. H. L. Mote. 2,029,936; Feb. 4.
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Yarn. L. Wallerstein, E. A. Gale, and T. G. Hawley, Jr. 2,029,970; Feb. 4.
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CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 4, 1936

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Patents Nos. 2,050,041 to 2,090,332

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Notices of Cancellation

U. S. PATENT OFFICE, Washington, Jan. 16, 1936.

A. G. Morse Co., its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Lovell and Covel Company, Cambridge, Mass., to effect the cancellation of trade-mark registration of A. G. Morse Co., 210–220 N. Halstead Street, Chicago, Ill., No. 183,675, dated January 4, 1921, and the notice of such proceeding sent by registered mail to said A. G. Morse Co., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said A. G. Morse Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

U. S. PATENT OFFICE, Washington, Jan. 24, 1936.

Mexican American Habanero Corporation, its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by C. F. Hernandez, S. en C., 3a Calle de Cuahutemotzin, Number 92, Mexico, D. F., to effect the cancellation of trade-mark registration of Mexican American Habanero Corporation, 23 East 40th Street, New York, N. Y., No. 319,866, dated December 4, 1934, and the notice of such proceeding sent by registered mail to the said Mexican American Habanero Corporation at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Mexican American Habanero Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

Adjudicated Patents

(C. C. A. Ohio.) Sloper patent, No. 1,372,567, for method of manufacturing the covers of pneumatic tires, claims 1 to 4 *Held* invalid, claims 2, 3, and 4 *Held* not infringed. *Firestone Tire & Rubber Co. v. U. S. Rubber Co.*, 79 F.(2d) 548.

(C. C. A. Ohio.) Hopkinson patent, No. 1,374,505, for method of making motor-vehicle tires, claims 2, 9, and 15 *Held* not infringed, claims 16, 18, 23, and 27 *Held* invalid. *Id.*

(C. C. A. Ohio.) Gammeter patent, No. 1,420,719, for method and apparatus for making or manipulating tires, claims 1, 2, 18, and 19 *Held* not infringed, claim 17 *Held* invalid. *Id.*

(C. C. A. Ohio.) Sloper patent, No. 1,437,033, for apparatus for making the covers of pneumatic tires, claims 1, 2, 3, 4, 6, 7, 8, and 14 *Held* not infringed, claims 1 to 4 *Held* invalid. *Id.*

(C. C. A. Ohio.) Abbott patent, No. 1,507,563, for method and apparatus for manufacturing tire casings, claims 11, 23, and 31 *Held* valid and infringed. *Id.*

(C. C. A. Ohio.) Lough patent, No. 1,607,266, for rubberized fabric and its method of manufacture, claim 3 *Held* invalid. *Id.*

(C. C. A. Ohio.) Hopkinson reissue patent, No. 17,618, for manufacture of tire casings, claims 13, 14, 15, 16, 17, 18, 19, 21, 24, and 25 *Held* invalid. *Id.*

Notice Regarding Payment of Fees

All fees must be paid in advance. Payment of money required for Office fees must be made in specie, Treasury notes, national-bank notes, post-office money orders, or certified checks. Money orders and checks must be made payable to the "Commissioner of Patents." Money sent by mail to the Patent Office will be at the risk of the sender. (See Rule 194.)

Certified checks, bank drafts, express and foreign money orders must be immediately negotiable in this country and for the full amount of the fee required by the Patent Office. No allowance can be made by this Office for any charge for their collection or exchange. Postage stamps will not be accepted. Failure to comply with the above instructions will cause delay.

Condition of Applications Under Examination at Close of Business January 25, 1926

(Total number of applications awaiting action, exclusive Trade-Mark Division, 28,326; Trade-Mark Division, 1,287. Oldest new case, September 28, 1925; oldest amended, September 28, 1925. The dates given are 1925 except where † indicates 1924.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Bottle and Closure; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Nov. 25	Nov. 26	271
6760	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Poultry, Tobacco, Vehicle-parks; Butchering; Bee Culture.	Oct. 10	Oct. 17	732
6522	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatments; Electric Furnaces	Oct. 26	Oct. 26	612
7063	4. DONNELLY, A. R. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Stone Savers; Pneumatic Dispatch; Fluid Pressure Brakes.	Nov. 2	Oct. 29	287
2020	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Baskets, Buttons, Etc.	Nov. 3	Nov. 4	670
6260 C	6. LEWERS, A. M., Carbon Chemistry	Oct. 19	Oct. 26	1,167
5725	7. JARBOE, C. G., Optics; Photography	Nov. 23	Nov. 23	262
2320	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Oct. 23	Oct. 26	1,167
6654	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Dec. 17	Jan. 19	1,155
6512	10. HUNTER, O. P., Land Vehicles—Animal Draft Appliances; Bodies and Tops; Vehicle Fenders	Nov. 25	Dec. 4	1,155
6827 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Buttons, Eyelets, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Oct. 25	Oct. 26	1,155
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Stokers; Step Mechanisms	Oct. 29	Oct. 29	515
6960	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Nov. 25	Nov. 26	1,167
6907	14. BRUMBAUGH, N. J., Ferriers; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Oct. 26	Oct. 26	1,167
6567	15. WORRELL, I. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 15	Nov. 15	1,167
6513	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 23	Oct. 26	1,167
6761	17. ARMSTRONG, H., Communication; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 6	Nov. 6	1,167
6515	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 26	Oct. 26	1,167
6665	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Nov. 1	Oct. 29	1,167
6513	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Unlocking	Nov. 2	Nov. 1	1,167
7728	21. THOMPSON, T. J., Textiles; Cloth Finishing	Nov. 1	Nov. 7	1,167
6734	22. RINGLE, D., Ammunition; Firearms, Ordnance, and Explosive Devices; Air Guns, Composite, and Target; Bows and Bolts; Ships; Marine Propulsion.	Oct. 26	Oct. 26	1,167
7324	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Sept. 28	Sept. 28	1,167
6323	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Nov. 1	Nov. 6	1,167
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Commitutors.	Oct. 26	Oct. 26	1,167
6926	26. ADAMS, W. M., Electricity, Generation; Motive Power	Nov. 26	Nov. 26	1,167
5703	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Oct. 21	Nov. 2	1,167
6628	28. BENSON, A. E., Internal-Combustion Engines	Nov. 16	Nov. 16	1,167
6963	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Nov. 16	Nov. 16	1,167
6974	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Manufacturing Furnaces; Illumination; Thermostats and Humidostats.	Oct. 26	Oct. 26	1,167
6719	31. DUNCOMBE, C. S. (Act.), Gas Heating and Illuminating; Mineral Oils	Oct. 26	Oct. 26	1,167
6696	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Nov. 26	Nov. 26	1,167
6668	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roads; Roads and Pavements.	Nov. 4	Oct. 21	1,167
6668	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Oct. 26	Oct. 26	1,167
7000	35. REYNOLDS, R. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Oct. 26	Oct. 26	1,167
7002	36. McFADYEN, A. D., Measuring Instruments; Fare Measuring; Automatic Weighers	Nov. 20	Nov. 21	1,167
6926 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Oct. 26	Oct. 26	1,167
7310	38. KRAFFT, C. P., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Walls; Plastic Compositions.	Oct. 26	Oct. 26	1,167
7272	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 26	Nov. 26	1,167
7020	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Oct. 26	Oct. 26	1,167
6952	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Nov. 15	Nov. 20	1,167
7302	42. CUTTING, H. O., Electric Signalling	Nov. 7	Oct. 29	1,167
6260 D	43. KLINGE, R. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Soap and Starch.	Nov. 5	Nov. 5	1,167
6957 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Oct. 21	Oct. 21	1,167
7057	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanisms; Engine Cooling.	Dec. 5	Dec. 4	1,167
6513	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Cooling Improvements.	Oct. 26	Oct. 26	1,167
7030	47. BARKER, H., Clutches; Brakes	Nov. 26	Nov. 26	1,167
5721	48. ROEPKE, C. B., Electricity, General Applications; Igniters	Oct. 26	Oct. 26	1,167
7726	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Drier; Liquid Purification	Nov. 19	Nov. 20	1,167
6701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Oct. 21	Oct. 22	1,167
6626	51. BACKUS, C. D., Radiant Energy	Nov. 19	Nov. 20	1,167
7700	52. KNOTTS, M. K., Supports; Checks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Headings; Laminated Packing.	Oct. 26	Oct. 26	1,167
6957	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Oct. 26	Oct. 26	1,167
6974	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Oct. 26	Oct. 26	1,167
6957	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Nov. 4	Nov. 4	1,167
6726	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Oct. 26	Oct. 26	1,167
5626	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Knocking Devices.	Nov. 26	Dec. 8	1,167
6960	58. DOWELL, E. F., Abrading; Bottles and Jars	Oct. 26	Oct. 26	1,167
6709	59. RICHARD, V. L., Chemistry; Fertilizers	Nov. 1	Nov. 2	1,167
6960	60. GLASS, E. L., Electricity, Heating, and Welding; Batteries; Resistance and Electrolytic Primary Mover Dynamo Plants.	Nov. 25	Nov. 26	1,167
6724	61. PARKS, C. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Roll Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Oct. 26	Oct. 26	1,167
7270	62. COCHRAN, W. W., Games; Geometrical Instruments	Nov. 9	Nov. 12	1,167
6668	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Oct. 19	Oct. 7	1,167
6703	64. MASH, F. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Nov. 7	Nov. 7	1,167
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 12	Oct. 22	1,167
2000 B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND	Trade-Marks: Dec. 23	Jan. 19	1,161
		Labels and Prints: Dec. 28	Jan. 20	220
2001	DESIGNS, H. H. KALUFF (Act.)	Dec. 28	Jan. 21	540

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Dougherty

No. 3,317. Decided November 16, 1925

1. PATENTABILITY—GAS WATER HEATER.

Claims for a gas water heater *Held* unpatentable over the prior art.

2. PATENTABILITY—AGGREGATION.

Certain claims for a gas water heater, reciting a plurality of interchangeable burners of different maximum capacity, *Held* properly rejected on ground of aggregation.

APPEAL from the Patent Office. Affirmed.

Mr. Arthur B. Paige for Dougherty.

Mr. R. F. Whitehead and *Mr. Howard B. Miller* for the Commissioner of Patents.

BLAND, *J.*:

The claimed invention in this appeal from a decision of the Board of Appeals of the United States Patent Office, relates to a gas water heater. The Board of Appeals affirmed the Primary Examiner's rejection of all the claims, of which claims 11 and 16 were regarded as illustrative by the Board and will be so regarded by us. They follow:

11. A gas water heater including a fixed frame portion comprising a casing inclosing a water container in heating relation with a combustion chamber and a flue outlet tube from said chamber; said casing having permanently connected therewith cold water inlet and hot water outlet conduits and a gas supply conduit; a plurality of interchangeable gas burners which are of respectively different maximum capacities and readily removable and replaceable in cooperative relation to said gas supply conduit; and changeable baffle means fitted to said flue tube and adjustable for changing the effective length of the passageway for products of combustion through said flue tube for cooperative relation to said different burners; whereby said heater is selectively convertible for widely different capacities of gas combustion and water heating effect without disturbance of said fixed frame portion or the water and gas conduits connected therewith.

16. A gas water heater, selectively convertible for widely different capacities of gas combustion and water heating effect, without disturbance of the water connections for said heater; comprising a gas burner and a water container with a flue tube, of invariable length, fixed in said container, with its axis in vertical position, for products of combustion from said burner in heating relation to water in said container; and variable means for changing the effective length of the passageway for products of combustion through said flue tube in accordance with the rate of combustion and heating effect desired.

Appellant's application discloses a gas water heater of the usual type containing a combustion chamber, water container, gas pipe, gas burner, intake and outlet pipes, and a flue. Appellant's alleged invention is claimed to be useful in small private residences where the cost of hot water must be limited in accordance with the income of the occupant and where it is desirable to have a single water heater available, the capacity of which can be decreased or increased at will. To this end applicant provides

"a plurality of interchangeable gas burners which are of respectively different maximum capacities and readily removable and replaceable in cooperative relation to said gas supply conduit",

and in addition to the interchangeable burners the applicant provides changeable baffle means

"fitted to said flue tube and adjustable for changing the effective length of the passageway for products of combustion through said flue tube for cooperative relation to said different burners".

By permitting the exchange of a large burner for a small one, and by substituting, in the flue, baffles of different pitches, which substitution lengthens the flue passage, applicant states that his device may be thus regulated or controlled so as to increase or decrease the supply of hot water and the amount of gas consumed.

Some of the claims at bar provide for baffling means to be constructed in a certain manner, while other claims merely call for baffling means in the flue adjustable for changing the length of the passageway.

The claims were rejected on the following references: Elmendorf, 600,910, Mar. 22, 1898; Way, 799,130, Sept. 12, 1905; Roth, 1,272,118, July 9, 1918; Burke, 1,540,585, June 2, 1925; Morley, 1,859,745, May 24, 1932.

The patent to Elmendorf is for a heating device and particularly one to be used in connection with stove pipes. Products of combustion pass and radiate their heat through the pipe to the air outside. This patent shows baffles of different pitch which operate to increase the length of the passage and regulate the flow of the heat therein.

Way shows a radiator with sectional baffles inserted in a stovepipe. The sectional baffles are positioned around a central rod.

Roth shows a boiler in which there is a spiral baffle member made up of sections having a central sleeve member which may be mounted upon a supporting shaft. The various sections when put together constitute a spiral baffle. The baffles may be arranged so as to permit a relatively unimpeded flow of fluid along the same.

Burke styles his patent a "Heat Saver and Heat Increasing Action for Boiler Flues" and discloses a water heater with flues which contain helical or spiral baffles which can be removed by an implement.

Morley's patent relates to a flue structure for heating apparatus and shows a water heating tank, a burner, and a flue in which is a tube which supports a spiral blade surrounding it.

The Examiner rejected the claims on three grounds: Lack of invention over the references, old combination, and aggregation.

After the Examiner's ruling, a new claim 11 was submitted which differed somewhat in its terms from the original claim 11.

We do not regard it necessary to apply the references to appellant's structure any more than is above set out, and we agree with both tribunals below that appellant's disclosure shows nothing inventive over the disclosures of the prior art.

Concerning the rejection of the claims on the ground of aggregation, the Board said:

The claims are rejected on three grounds—lack of invention over the references, old combination and aggregation.

The claims, as they appear in the Examiner's statement, do not seem to us to be aggregations as there is no defi-

nite inclusion of any part which may not, under some circumstances, cooperate with the other parts claimed to produce a unitary result. This is not true, however, of new claim 11 also claims 12–15 which depend upon it. These claims include a plurality of interchangeable gas burners only one of which would obviously be used for the production of hot water under a given set of conditions. The other burners might be miles away in the storehouse of the service company. While claim 11 includes a changeable baffle, this expression is broad enough to cover a baffle having removable sections all of which might be used under certain circumstances.

In contending for the patentability of claim 11 and the claims which depend upon it, appellant has cited certain decisions of this Board which on their face seem to be directed to quite an analogous set of circumstances. In any combination claimed we think it essential that all recited elements shall be capable of cooperation to produce some unitary result.

It will be noticed that the Examiner gave as one ground of rejection that the claims call for an old combination. In the Board's decision it is pointed out that Morley discloses a gas heating device which contains all the elements of appellant's corresponding device. The Board then points out that Morley does not disclose interchangeability of burners or baffles. The Board, therefore, does not affirmatively approve of the Examiner's rejection on this ground. It does not, however, expressly reverse the Examiner on this ground of rejection. Whether the claims call for an old combination is, in view of our conclusion as to the other two grounds of rejection, wholly immaterial.

[1-2] We think it is clear that all the claims were properly rejected upon the ground of lack of invention over the prior art cited, and the claims calling for interchangeability of burners and baffles were properly rejected on the ground of aggregation. *John H. Thropp's Sons Company* v. *Sieberling*, 294 U. S. 320, 327 O. G. 441.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE CARTER AND MERRIAM

No. 3,540. Decided November 25, 1935

PATENTABILITY—METHOD OF ROASTING ORES.

Claims for a method of roasting ores *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Forbes Sibley, Mr. Benjamin Swosedler and *Mr. Joseph A. Ryan* for Carter and Merriam.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming the Examiner's rejection of three method claims, numbered respectively 7, 8, and 9, in appellants' application relating to roasting ores. Four claims for an apparatus stand allowed.

Claims 8 and 9 read:

8. In the method of roasting ores involving the roasting in gaseous suspension of finely divided sulfide ore and the production of sulfur dioxide gases at temperatures not substantially less than 1600° F. and containing entrained dust particles and condensable sulfuric acid, the improvement which comprises reducing the temperature of the exit gases of the roasting operation to not substantially less than the dew point of the contained sulfuric acid and not substantially more than 700° F. by heat interchange with a cooling medium maintained at a temperature not substantially less than the dew point of the sulfuric acid, whereby condensation of sulfuric acid is avoided and whereby the temperature and volume of the gases are materially reduced to permit subsequent removal of dust from the gases by means of a metallic dust separator.

9. In the method of roasting ores involving the roasting in gaseous suspension of finely divided sulphide ore and the production of sulphur dioxide gases at temperatures not substantially less than 1600° F. and containing entrained dust particles and condensable sulphuric acid, the improvement which comprises reducing the temperature of the exit gases of the roasting operation to not substantially less than the dew point of the contained sulfuric acid by heat interchange with a cooling fluid maintained at not less than about the dew point of the sulphuric acid, whereby condensation of sulphuric acid is avoided, and then separating entrained dust from the gases.

Certain limitations contained in claim 8 are lacking in claim 7. Claim 7 also recites a reduction of the temperature of the exit gases "to not substantially more than 1000° F.," differing in that respect from the "700° F." recited in claim 8.

The appealed claims were held "not allowable over" patent, No. 1,563,616, issued December 1, 1925, to one Fassotte.

Appellants' general object is the production from sulfide ores, particularly pyrites or fool's gold, of sulfur dioxide gases for use in the manufacture of sulfuric acid. To this end they designed an apparatus for "suspension roasting of finely divided sulfide ores, such as flotation concentrates."

Suspension roasting of pyrites of the kind so described was old in the art, as illustrated by a patent to Cordy et al., No. 1,758,188, referred to in appellants' specification.

Appellants' specification relates, in substance, that in the roasting process the gases produced contain appreciable quantities of dust which must be removed from the gas stream before the gases can be utilized; that to effect such removal "various constructions and arrangements" of dust chambers in the gas line have been prepared, the prior art teaching being that usually such dust chambers, whatever their construction, are arranged immediately following the outlet of the roasting chamber; that the temperature of the gases at the time of leaving the roasting chamber are not substantially less than 1600° F. and commonly are in the neighborhood of 1800° F., and that the dust chambers of the prior art, because of the high temperatures and consequent large volume of expanded gases, have necessarily been of large size and constructed of refractory material.

The specific teaching upon which appellants' appealed claims rest is that of reducing the temperatures of the "exit gases" to the degrees defined in the claims. This reduction of temperatures, it is said, results in such a reduction in the volume of gases as to make possible the removal of the dust by means of a metallic dust separator of relatively small size instead of having the large sized chambers constructed of refractory material such as were used in the prior art.

To state it in another way, appellants claim a process whereby the temperature of the gases is reduced from the point of 1800° F., at which they emerge from the roasting chamber, to from 700° F. to 1000° F. as they enter the dust collector.

The means provided by appellants for reducing the temperatures of the gases consists of what is designated a "waste heat boiler," interposed between the roasting unit and the dust chamber.

The sole question to be determined, as the issue comes before us, is whether the Fassotte patent, which is in the same field of art as the application of appellants, discloses or teaches reduction of temperatures of the gases in such manner as fairly to anticipate appellants' method claims.

Appellants' apparatus differs in many respects from the apparatus of Fassotte, and there are features in the Fassotte process which appellants do not teach. For example, Fassotte teaches and claims the introduction of preheated air into the roasting unit of his device, a feature not referred to in the application of appellants.

Fassotte discloses, interposed between his roasting unit and his dust collecting chamber, a "heat exchanger" in which there are two elements designated as "economizers." The air which he preheats is passed through these economizers by means of pipes and the preheating is accomplished by heat being extracted from the gases as they pass through the economizer units. So preheated, the air is carried into the roasting chamber.

It is argued before us on behalf of appellants that Fassotte does not reduce the normal temperature of the gases (1600° F. to 1800° F.) in the system as a whole, and that in his device they enter the dust collecting chamber at practically the same temperature at which they leave the roasting unit.

To support this argument appellants apparently make the assumption that Fassotte's device requires, at first, a normal heating in the roasting chamber of 1800° F.; that in the economizers there are extracted, for illustration, 500° F. which is returned to the roasting chamber, thus increasing the temperature of the gases to 2300° F. as they exit from said chamber, and that upon passing into the economizers 500° F. continues to be extracted and returned, so that when the gases pass on into the dust chamber they are still at a temperature of 1800° F.

We are unable to deduce any such teaching from the Fassotte patent. There is nothing therein to indicate that he, at any time, obtains any higher roasting temperature than was normal in the prior art. So far as we can determine, he teaches nothing more, upon this particular feature, than the obtaining of at least a part of the required total volume of heat by extracting heat from the gases with which to preheat air that is passing to the roasting chamber.

Certainly, there is nothing to indicate that any of the heat so extracted is returned to the gases after they leave the heat exchanger and before they enter the dust chamber. In the very nature of things, therefore, the gases entering the dust chambe must be lower in temperature than when leaving the roasting chamber, just as they are, except perhaps in the matter of degree, in the process of appellants.

It is noted that Fassotte provides valves in connection with his heat exchanger by means of which the amount of preheated air flowing from it into the roasting chamber is regulated, and the natural presumption would seem to be that by means of these the temperature in the roasting chamber is kept at whatever point may be desired.

Fassotte teaches nothing as to the amount of heat which is extracted in his heat exchanger, and, so far as we can discern, he may very well extract as much as do appellants.

In any event, we can see no difference in principle between the two methods, and it is our view that the naming of specific degrees by appellants does not lend patentability over the reference.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

BLODGETT AND HANSON v. RICHTER

No. 3,541. Decided November 27, 1935

INTERFERENCE—PRIORITY—PATENTABILITY OF COUNTS NOT DETERMINED.

Where the application of R., the senior party, discloses the use of "sodium sulphide" in a method for treatment of cellulosic materials, and the counts of the interference, which are taken from a patent to B. and H., the junior party, recite "a reactive compound of sulphur" *Held* that the disclosure of R. literally and fully supports the counts, that the question raised by the interference is solely one of priority, that the court is not called upon to determine the matter of patentability of the counts to R. and that, no testimony having been taken, priority was properly awarded to R.

APPEAL from the Patent Office. Affirmed.

Messrs. Roberts, Cushman & Woodberry, Mr. Herman T. Gammons and *Mr. Harold R. Savage* for Blodgett and Hanson.

Messrs. Wright, Brown, Quinby & May and *Mr. Nathaniel P. Wharton* for Richter.

GARRETT, *J.*:

On December 4, 1925, Richter filed an application for patent in the United States Patent Office entitled, "For Cyclic Process of Treating Alkaline Pulps," which was duly prosecuted until a number of claims reached the stage of allowance. It is said in the brief for appellants that this stage was reached April 11, 1930. Richter, however, it is further said in the brief, did not pay the final fee and take the patent, but, on September 26, 1930, filed a "renewal application" in which additional claims were inserted with the statement that they were intended to dominate claims of another patent not here involved. These statements of the brief are acquiesced in by appellee, so far as we can determine, and we accept them as correct, although not fully detailed in the record.

Appellants, Blodgett and Hanson, on June 3, 1926, filed application entitled, "For Method for the Preparation of Strong, Bleached Sulfate Pulp." This culminated in Patent No. 1,881,486, issued November 10, 1931.

On November 27, 1931, Richter copied two of the claims of the foregoing patent into his pending ap-

plication and these became the two counts of the involved interference which was declared January 30, 1932.

Count 1, which is typical, reads:

1. A method for the treatment of cellulosic materials which comprises reducing the same to the condition of pulp, by cooking with an aqueous solution containing an alkaline sulphide, removing resulting solution from the remaining pulp, and treating the latter with an aqueous alkaline solution of a reactive compound of sulpher.

After the preliminary statements of the parties had been opened, Blodgett and Hanson moved to dissolve on the ground that Richter was not entitled to make the claims. This motion was denied by the Examiner of Interferences February 9, 1933, and times set for the taking of testimony.

Neither party offered testimony. In due course the Examiner of Interferences rendered decision awarding priority to Richter. This decision was affirmed by the Board of Appeals, and appeal to this court followed.

The specific feature about which the controversy may be said to revolve is expressed in the last clause of count 1, supra, reciting the treatment of pulp "with an aqueous alkaline solution of a reactive compound of sulphur."

No actual reduction to practice was shown with respect to either application. So both are dependent upon the constructive reduction to practice incident to filing application.

It is conceded that, as found by the tribunals of the Patent Office, the specification of Richter's original application filed December 4, 1925, discloses and definitely teaches the availability for use with an aqueous alkaline solution of one reactive compound of sulphur, namely, sodium sulphide, but it insisted that he discloses *only one* such reactive compound, while appellants disclose the utility of members of a class of such compounds.

It is accordingly argued on behalf of appellants that Richter's disclosure is not sufficient to support claims as broad as the counts, and the brief asks:

• • • an adjudication and determination of the patent law generally with reference to the respective priority rights; of one who discloses the use of a single chemical reagent for the conduct of a chemical process, and *nothing more;* and one who discovers, defines and discloses that novel and unique class of reagent materials which are suitable for the conduct of said chemical process. [Italics quoted].

We are cited to a line of *ex parte* cases decided by this and other courts wherein there was application of the principle that, in cases involving chemicals and chemical compounds and cases involving the properties of materials, claims broad enough to cover a class of reagents or properties are not allowable upon a disclosure of only a single reagent or property. *Vide In re Longmuir*, 20 C. C. P. A. (Patents) 733, 62 F.(2d) 93, 427 O. G. 780 and *In re Welker*, 21 C. C. P. A. (Patents) 1121, 70 F.(2d) 1008, 447 O. G. 761, with their citations.

It is urged that to sustain the award of priority to appellee in this case would amount to overruling and abandoning the doctrine relative to chemical equivalents followed in the foregoing cases.

We are unable to concur in the soundness of such contention. After all, the question here is solely one of priority and we are not called upon to determine the matter of patentability to Richter.

When the counts are looked to in the effort to ascertain their breadth, it is observed that they do not require a construction which necessarily embraces a class of reactive compounds of sulphur. The expression is "a reactive compound of sulphur." [Italics ours.]

The Board of Appeals, it seems to us, covered the material issues of the controversy quite fully and succinctly in the following language:

It seems to us that both parties, while operating on a somewhat different theory, are striving for the same end and in case of sodium sulphide, at least, propose the use of the same purifying agent. Under the circumstances, the question of priority arises. The counts which are drawn in generic form will read on the Richter disclosure. In our opinion the right of Richter to have a patent granted with claims of the scope which he now has involved is a matter of patentability which is not material to appellants' right to a patent and hence cannot be properly raised under Rule 139 nor on appeal from a decision on priority. It seems to us that it is like any other possible bar to the grant of a patent to a prior party, which in no way affects the right of the junior party to a patent if he cannot prove priority.

The qualms raised with respect to Richter's renewal application also in our opinion falls in the same class. It is not seen how appellant's right to a patent or the validity of claims in a patent already granted can be in any way affected because of the existence of some bar to the allowance of claims to another party who may in fact be prior to the patentee and whose activities thus anticipate the generic claim involved. We know of no reason why a renewal applicant cannot present claims in a renewal application which are supported by his original disclosure, in the absence of elements of estoppel and, even if estopped, it is not seen how it can inure to the benefit of the patentee except under such special circumstances as make the estoppel especially available to him. The issue counts were copied from the Blodgett and Hanson patent within a very few days of its issue. There was clearly no such delay as would estop Richter from making the claims.

It is not meant to intimate that the counts expressed as claims in appellants' patent are not so supported by the disclosure there, as that there is any question of their validity as to a class of compounds, nor is it meant to suggest what the rights of appellee may be under his disclosure upon any question except the single one of priority. All other questions, we think, must be determined in some proceeding other than the one now at bar.

Literally and fairly appellee's disclosure supports the counts for "a reactive compound of sulphur." He was the first to reduce to practice by filing application, and we are unable to see wherein the tribunals of the Patent Office erred in granting him the award of priority.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,205,678, H. Stendel, Folding paper box; 1,428,272, same, Foldable carton; 1,940,426, O. E. Andrews, Bread band, D. C. Mass., Doc. E 3212, *O. E. Andrews Co. v. Packard Paper Box Co. et al.* Consent decree for injunction Oct. 25, 1935.

1,262,869, E. E. Smith, Incubator, D. C. Mass., Doc. E 4119, *E. E. Smith v. M. Axelrod.* Dismissed without prejudice April 24, 1935. Doc. E 4120, *E. E. Smith v. E. D. Green.* Decree as above April 29, 1935. Same, D. C., N. D. Ind. (Indianapolis), Doc. 1645, *E. E. Smith v. D. C. Layton.* Decree as above July 31, 1935. Doc. 1966, *E. E. Smith v. Booster Co. Co-Operative Co.* Dismissed July 25, 1935. Same, D. C. M. D. Pa., Doc. 1148, *E. E. Smith v. G. E. Wolfert.* Dismissed Dec. 16, 1935.

1,277,713, L. Goldstone, Boot or shoe counter reinforce, filed Dec. 17, 1935, D. C., E. D. N. Y., Doc. E 7842, *A. G. Stevenson v. Rubin Bros. Footwear, Inc.* Doc. E 7843, *A. G. Stevenson v. C. W. Strubbeck, Inc.* Doc. E 7844, *A. G. Stevenson v. H. Jacobs & Sons, Inc.* Doc. E 7845, *A. G. Stevenson v. I. Miller & Sons, Inc.* Same, filed Dec. 24, 1935, D. C., S. D. N. Y., Doc. E 82/54, *A. G. Stevenson v. H. Zuckerman Shoe Mfg. Co., Inc.*

1,307,734, A. V. Gullberg, Lubricating means, filed Dec. 12, 1935, D. C., E. D. Ohio, E. Div., Doc. 1167, *Stewart-Warner Corp. v. W. L. Ostendorf.*

1,315,731, A. B. Law, Vulcanizer, filed Dec. 21, 1935, D. C., W. D. Mo. (Kansas City), Doc. 2787, *The Shaler Co. v. W. P. Peterson.*

1,361,142, D. D. Daniel, Attachment for motion picture machines; 1,918,417, Feeney & Gedey, Fire preventing apparatus for motion picture projecting machine; 1,658,594, same, Dowser closing mechanism for motion picture projecting machine; 1,736,574, same, Dowser unit for motion picture projecting machine; 1,725,556, T. T. Allen et al., Dowser control mechanism for motion picture projecting machines, filed Dec. 2, 1935, D. C. Pa., Doc. 9181, *Sentry Safety Control Corp. v. N. F. Rahe et al.*

1,377,022, E. E. Nelson, Lubricating device, filed Dec. 17, 1935, D. C., N. D. Iowa (Sioux City), Doc. E 428-7, *Stewart-Warner Corp. et al. v. H. C. Caldwell (Red Triangle Products) et al.*

1,396,507, J. H. Gravell, Method of and composition for cleaning metals; 1,438,065, same, Composition for and method of preventing metal from rusting; 1,474,188, W. H. Allen, Polish for enameled surface, filed Dec. 18, 1935, D. C., E. D. Pa., Doc. 9211, *American Chemical Paint Co. v. J. G. Brill Co.*

1,411,166, F. B. Currier, Spade, D. C. Mass., Doc. E 3979, *F. E. Currier v. F. E. Lyman.* Dismissed without prejudice July 24, 1934.

1,423,272. (See 1,205,678.) 1,428,065. (See 1,298,507.)

1,432,674. (See Re. 16,977.)

1,460,716, B. F. Greer, Book form savings bank, filed Dec. 11, 1935, D. C., N. D. Calif. (San Francisco), Doc. E 3967-S, *E. F. Greer v. E. L. Erickson et al.*

1,467,881, W. S. Barnickel, Process for treating petroleum emulsions, filed Nov. 20, 1935, D. C., E. D. Tex. (Tyler), Doc. E 945, *The Tretolite Co. v. Welch-Sandler Oil Co.*

1,474,132. (See 1,303,507.)

1,484,066, B. Heinrichs, Machine for making lamp wrappers, D. C. Mass., Doc. E 4066, *The Hawkins Container Co. v. Russell Box Co.* Consent decree dismissing bill without prejudice July 12, 1935.

1,581,286, J. Strand, Sales and display card, filed Dec. 14, 1935, D. C. Mass., Doc. E 4267, *Stromsky Products Corp. v. E. H. Tate Mop & Cordage Co.*

1,613,417. (See 1,361,142.)

1,620,643, 1,807,402, H. Gillian, Glove, filed Nov. 1, 1935, D. C., S. D. Ind. (Indianapolis), Doc. E 1792, *H. Gillian v. The Glove Corp.*

1,658,594. (See 1,361,142.)

1,689,417, F. W. Tells, Vehicle loading device, D. C. Ohio (Columbus), Doc. E 1068, *Motor Motor Car Co. v. The A. J. Miller Co.* Patent held not infringed, bill dismissed Oct. 1, 1935.

1,698,886, H. W. Hunter, Hat blocking machine, filed Dec. 18, 1935, D. C. Conn. (New Haven), Doc. E 2508, *H. W. Hunter v. J. W. Green & Sons, Inc.*

1,720,271, W. B. Harris, Harness cord for looms, D. C. Mass., Doc. E 4090, *W. B. Harris v. L. B. Tebo et al.* Consent decree for injunction April 15, 1935.

1,725,556. (See 1,361,142.) 1,725,574. (See 1,361,142.)

1,743,875, A. E. Bland, Electrical starter for racing dogs, D. C., S. D. Ind. (Indianapolis), Doc. E 1687, *Starter Boost, Inc. v. A. Brown et al.* Dismissed without prejudice Oct. 10, 1935.

1,764,794. (See Re. 18,464.)

1,771,166, M. E. Davis, Process for applying paints or cements to skived articles, D. C., N. D. Ohio, W. Div., Doc. E 1354, *H. H. Meyers et al. v. The Buckeye Refiner Producing Co.* Claims relied upon held invalid Nov. 29, 1935. Bill dismissed Dec. 17, 1935.

1,807,402. (See 1,620,643.)

1,831,715, D. R. Knowlton, Flow head with adjustable flow bean, C. C. A., 3d Cir., Doc. 5849, *Phillips Petroleum Co. v. Kerotest Mfg. Co.* Patent held valid and infringed Dec. 17, 1935.

1,833,849, A. W. Mellowes, Air cooling and water freezing evaporator for mechanical refrigerating apparatus, filed Dec. 13, 1935, D. C., E. D. Wis. (Milwaukee), Doc. 4812, *E. E. Tower, Jr. v. Lappin Electric Co. et al.*

1,833,272. (See 2,018,185.) 1,840,425. (See 1,205,678.)

1,841,845, J. F. Doran, Hat ironing machine, D. C. Conn. (New Haven), Doc. E 2174, *J. C. Doran v. The Imperial Dyeing & Cleaning Co.* Discontinued Dec. 14, 1935.

1,860,358, E. J. Barcalo, Pillow or cushion, appeal filed Dec. 18, 1935, C. C. A., 2d Cir., Doc. 14490, *Six-Way Corp. v. McCurdy & Co., Inc.*

1,904,662, R. B. Benjamin, Socket for vacuum tubes; 1,904,670, W. C. MacFadden Socket for tubes, filed Nov. 30, 1935, D. C., E. D. Pa., Doc. 9179, *H. H. Eby, Inc. v. Raymond Rosen & Co.*

1,904,670. (See 1,904,662.)

1,911,885, L. F. Defenbaugh, Indicator for adjustable flow beans; 1,911,905; Knowlton & Defenbaugh, Flow head with adjustable flow bean, C. C. A., 3d Cir., Doc. 5850, *Phillips Petroleum Co. v. Kerotest Mfg. Co.* Patents held valid and infringed Dec. 17, 1935.

1,911,905. (See 1,911,885.)

1,928,404, H. J. Wood, et al, Method and apparatus for retreading tires, D. C., N. D. Calif. (San Francisco), Doc. E 3672-L, *Super Mold Corp. v. H. Chastean (Bear Tire Service).* Dismissed without prejudice Dec. 11, 1935.

1,930,987, J. T. Simmons, Method and apparatus for testing the productivity of formations encountered in wells, D. C., E. D. Tex. (Tyler), Doc. E 693, *E. P. Halliburton et al. v. Johnston Formation Testing Corp. et al.* Injunction Sept. 5, 1935.

1,943,588, H. J. Dinstbir, Roof structure, filed Dec. 13, 1935, D. C., W. D. Pa., Doc. E 3160, *H. J. Dinstbir v. Hudson Motor Co.*

1,945,250, E. S. Curley, Method of and apparatus for picking cotton, D. C. Mass., Doc. E 4001, *Saco-Lowell Shops v. Nashua Mfg. Co.* Decree after order pro confesso for plaintiff for an injunction Jan. 4, 1935.

1,961,747, W. M. Ewart, Carburetor, filed Nov. 19, 1935, D. C., S. D. Ind. (Indianapolis), Doc. E 1800, *Carter Carburetor Corp. v. Langsenkamp-Linkert Carburetor Co., Inc.*

1,974,084, T. C. Patten, Tubing bottom, D. C., E. D. Tex. (Tyler), Doc. E 924, *T. C. Patten v. Lobus Rotary Tool Works.* Decree for plaintiff Oct. 18, 1935.

2,001,690, A. F. Reilly, Vanity case, filed Dec. 18, 1935, D. C., E. D. N. Y., Doc. E 7847, *Evans Case Co. v. Columbia Stamping Products Co., Inc.*

2,002,792, G. D. Hart, Ornamented leather and method of making same, D. C. Mass., Doc. E 4229, *Ornamented Leather, Inc., v. Amdur Leather Co., Inc.* Consent decree dismissing bill without prejudice Oct. 3, 1935.

2,006,005, M. Zaiger, Windshield heater, filed Dec. 5, 1935, D. C. Mass., Doc. E 4263, *M. Zaiger v. Butts & Ordway Co.*

2,013,126, G. F. Cordman, Table top; 1,835,272, Burlin & Cordman, Table, filed Nov. 8, 1935, D. C., Mass., Doc. E 4255, *Cordman Mfg. Co. v. Hampden Specialty Products.*

Re. 16,577, R. V. Crowell, Gas-emergency control for flowing oil or gas wells, filed Dec. 13, 1935, D. C., N. D. Okla. (Tulsa), Doc. E 1063, *The Guiberson Corp.* v. *Robinson Packer Co.*

Re. 18,464 (of 1,764,794), Johnson & Leach, Fuel oil burner, D. C. Mass., Doc. E 2735, *Lynn Products Co.* v. *Penn Oil Burner Co.* Consent decree dismissing bill without prejudice Jan. 28, 1936.

Des. 54,682. Des. 86,746, C. J. Root, Bottle, T. M. 240,934, NuGrape Co. of America, Soft drinks, extracts, concentrates, etc., D. C., E. D. Tex. (Tyler), Doc. E 917, *National NuGrape Co.* v. *S. H. Reed (East Texas Bottling Co.).* Injunction Sept. 15, 1935.

Des. 86,746. (See Des. 54,682.)

Des. 91,181, N. Sloane, Lady's handbag, D. C., S. D. N. Y., Doc. E 77/111, *Sloane Bags, Inc.*, v. *Princess Handbag, Inc., et al.* Consent order of discontinuance (notice Dec. 12, 1935).

Des. 92,865, Morrill & Webster, Shoe or article of analogous nature, D. C. Mass., Doc. E 4126, *Morrill & Webster, Inc.*, v. *Bancroft Walker Co.* Dismissed June 18, 1935.

T. M. 240,934. (See Des. 54,682.)

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,863,362, E. A. Geiselman, Regulator system, decided January 14, 1936, claim 2.

Pat. 1,913,049, G. S. Dunham, Process for the conversion of hydrocarbons, decided January 24, 1936, claims 2 and 5.

Pat. 1,927,734, C. G. Boone, Pump, decided December 21, 1935, claims 2 and 5.

Pat. 1,963,546, H. A. Depew, Process for making pigments, decided January 28, 1936, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 14.

Pat. 1,969,206, W. P. Carr and R. W. Tracy, Material discharge gun, decided January 21, 1936, claims 1, 2, 3, 4, 5, 6, 21, and 22.

Pat. 1,974,065, Mathias Frankl, Process and apparatus for the separation of gaseous mixtures, decided January 21, 1936, claims 1, 2, and 5.

Pat. 2,011,189, O. M. Anderson, Oven rack, decided January 28, 1936, claims 1, 2, 3, and 4.

Changes in Classification

Order No. 3,341, January 23, 1936, directs:

In *class 33, Force Measuring* (Division 33), establish the following subclasses and definitions:

1.4 Gravitational determination
1.5 Torsion balances.
1.6 Deflection tensiometers.

1.4. Apparatus and methods for determining the force of gravity by direct measurement or by comparison or for determining acceleration caused by gravity.

Note.—For apparatus for demonstrating gravitational force but wherein no measurement is taken, see class 35, EDUCATION, subclass 19.

1.5. Torsion balances wherein masses mounted upon a beam transmit a force to a wire supporting the beam to produce a torque in said wire proportional to the gravitational force. These are frequently called Eötvös type balances.

1.6. Devices for measuring the tension in a belt, web, fiber or like member by measuring the deflection produced in the member by a known force or the force necessary to produce a definite deflection.

The patents contained in these subclasses have been taken for the most part from class 265, Force Measuring, subclass 1.

In *class 35, Education* (Division 33), add to the class definition the following note:

Note.—For apparatus which makes a force measurement and is not limited by use to mere teaching or demonstrating, see class 265, FORCE MEASURING.

Changes in Classification

Order No. 3,342, January 23, 1936, directs:

In *class 308, Machine Elements—Bearings and Guides* (Division 45), abolish the following subclass, with its definition:

Rotary
Plain
Radial
Lubricating
124 With mud guards.

The patents formerly contained in this subclass have been placed for the most part in class 308, subclasses 36.1–36.4, established in this order, and in various subclasses in class 285, Packed Shaft or Rod Joints.

In *class 308, Machine Elements—Bearings and Guides* (Division 45), establish the following subclasses and definitions:

Rotary
Plain
Combined with seals
36.1
36.2 Mechanically actuated.
36.3 Fluid or fluid-actuated.
36.4 Centrifugal.

36.1. Rotary bearings in combination with means for preventing matter from entering into, passing through, or escaping from the bearing. Either a bearing and sealing means are integral (the bearing constructed to act as a seal or the seal constructed to act as a bearing) or the bearing is modified to receive or otherwise cooperate with a sealing means.

Note.—If, however, the device is no more than a plain, stuffing-box sleeve or the like, serving to some extent as a bearing, which may or may not be conventionally recessed for the seal involved, it should be classified in class 285, PACKED SHAFT OR ROD JOINTS, with the sealing means per se.

Note.—Of the lubricating and the sealing subclasses, the sealing subclasses are dominant. Of the plain bearing and seal subclasses and the antifriction bearing and seal subclass (class 308, subclass 187), the plain bearing subclasses are dominant. Combined bearings and seals peculiarly adapted for use in antifriction bearing units are put in class 308, subclass 187. All others, irrespective of whether an antifriction or its equivalent plain bearing is claimed, are put in the plain bearing and seal subclasses.

36.2. The sealing means is actuated by a nut, resilient means, or the like.

36.3. The seal comprises oil, water, air, steam, or the like, or the sealing means is actuated by a fluid. Includes centrifugal means to pump the sealing fluid.

Note.—Hydraulic screws acting as seals are placed in this class, subclass 36.3.

36.4. Seals functioning by utilization of centrifugal force.

Note.—Centrifugal means to pump a sealing fluid are placed in this class, subclass 36.3.

The patents contained in these subclasses have been taken for the most part from class 308, Machine Elements, Bearings and Guides, subclass 124, abolished in this order, and from various subclasses in class 285, Packed Shafts or Rod Joints.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 11, 1936

[VOL. 463. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 369,248. SAFE-O COMPANY, Pittsfield, Mass. Filed Sept. 12, 1935.

SAFE-O

For Granular Anti-Slip Material Consisting Particularly of Sand Put Up in Packages for Sprinkling on the Ground.

Claims use since Aug. 17, 1935.

Ser. No. 369,290. SKINOW FUR COMPANY, Chicago, Ill. Filed Sept. 13, 1935.



The words "The Stamp of Quality" are disclaimed apart from the mark.

For Fur Skins.

Claims use since Aug. 1, 1933.

Ser. No. 372,519. JULIUS LOEWITH, INC., New York, N. Y. Filed Dec. 11, 1935.



For Uncolored (Natural) Raffia and Colored Raffia.

Claims use since March, 1926.

Ser. No. 372,539. ACCOS LEATHER COMPANIES, INC., Boston, Mass. Filed Dec. 12, 1935.

VOBUK

For Leather.

Claims use since October, 1933.

Ser. No. 372,696. VAN-DYE-WAY CORPORATION, Paterson, N. J. Filed Dec. 16, 1935.



For Furs and Fur Skins, Dressed and Dyed.

Claims use since June, 1921.

Ser. No. 372,714. WOOD & HYDE COMPANY, Gloversville, N. Y. Filed Dec. 17, 1935.

MONOTAN

For Leather.

Claims use since June, 1934.

CLASS 2

Receptacles

Ser. No. 357,862. KENSINGTON, INCORPORATED, New Kensington, Pa. Filed Nov. 3, 1934.



For Ornamental Bowls, Dishes, Jars, Boxes, Trays, and Similar Receptacles for Fruit, Candy, Nuts, Bonbons, and the Like, Vases, Pitchers, Sugar Bowls, Punch Bowls, Ice Buckets, Wine Buckets, Serving Dishes and Trays, and Sandwich Trays, All of Base Metal.

Claims use since Oct. 1, 1934.

Ser. No. 370,882. KENSINGTON, INCORPORATED, New Kensington, Pa. Filed Oct. 20, 1935.

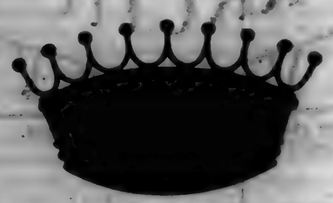
Matchmaster

For Base Metal Match Containers, Filled or Empty.
Claims use since Sept. 20, 1935.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 371,690. NAT LEWIS PURSES, INC., New York, N. Y. Filed Nov. 18, 1935.



LEWIS

The name "Lewis" is disclaimed apart from the mark.
For Purses.
Claims use since August, 1935.

CLASS 4

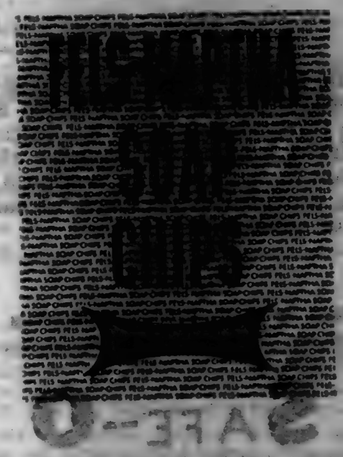
Abrasive, Detergent, and Polishing Materials

Ser. No. 371,688. FORTY SECOND STREET SALES CO., Chicago, Ill. Filed Nov. 18, 1935.

42nd Street

For Soaps, Toilet Soaps, Shaving Soap, and Shaving Creams.
Claims use since June 6, 1935.

Ser. No. 372,326. FELS & COMPANY, Philadelphia, Pa. Filed Dec. 6, 1935.



Applicant is the owner of registration Nos. 55,478 and 56,841, both granted under the 10-year proviso. All wording except "Fels-Naphtha" is disclaimed apart from the mark.
For Soap.
Claims use since July 11, 1933.

Ser. No. 372,372. JAMES J. LAX, New York, N. Y. Filed Dec. 7, 1935.

KALAX

For Cleaners for General Household and Industrial Use and Soap Powders.
Claims use since Nov. 20, 1934.

CLASS 5

Adhesives

Ser. No. 371,139. THE ARASOL MANUFACTURING COMPANY New York, N. Y. Filed Nov. 4, 1935.

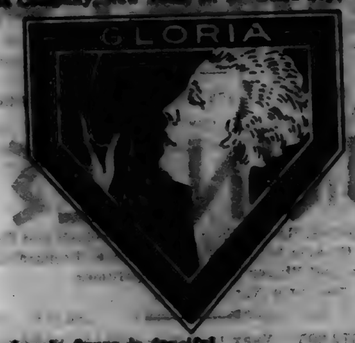
ARAFLEX

For Glue.
Claims use since May 8, 1927.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

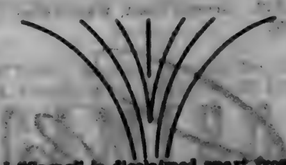
Ser. No. 366,906. ALFONSO OSSO, doing business as The Gloria Company, New York, N. Y. Filed Sept. 26, 1930.



The female figure is fanciful.
For Perfumes, Toilet Waters, Face Powders, Rouge, Lipsticks, Hand Lotions, Lemon and Nail Paint, Deodorants, Astringents, Bay Rum, Nail Polish, and Preparation for Removing Cuticle.
Claims use since August, 1921.

Ser. No. 361,752. JEAN JORDEAU, INC., South Orange, N. J. Filed Feb. 28, 1935.

ZiP
Spray



The word "Spray" is disclaimed apart from the mark.
For Deodorants.
Claims use since Mar. 7, 1934.

Ser. No. 366,126. CENTRAL LABORATORIES, INC., St. Petersburg, Fla. Filed June 14, 1935.



The drawing is lined for red and silver.
For Astringent.
Claims use since Apr. 1, 1935.

Ser. No. 367,974. FLOUSH, INC., doing business as Ash-Mo Manufacturing Company, Memphis, Tenn. Filed Aug. 3, 1935.

ASH-MO

For Toilet and Medicinal Preparations—Namely, Petroleum Jelly, Brilliantine, Hair Tonic, Hair Oil, Hair Dressing, Preparation for Straightening Hair, Wave Set, Shampoo, Talcum Powder, Face Powder, Cold Cream, Lemon Cream, Cleansing Cream, Vanishing Cream, Perfume, Almond Lotion, Penetrating Salve, Aspirin, Face Ointment, Face Lotions, Healing Ointment, Medicinal Mineral Oil, Inhaling Salve, Turpentine for Medicinal Purposes, Epsom Salts, Castor Oil.
Claims use since Sept. 1, 1928.

Ser. No. 370,717. LOU F. MARKS, doing business as Chatterbox Products Company, Pittsburgh, Pa. Filed Oct. 22, 1935.

Chatterbox

For Astringents, Skin Toners, Texture Creams, Cold Creams, Creams for the Treatment of Acne and Pores, Cuticle Oil, Softener, and Remover, Non-evaporating Nail Polish Remover, Oily Nail Polish Remover, Cleansing Creams, Brilliantine, Nail Creams, Hair Tonics, and Lotions.
Claims use since Sept. 15, 1935.

Ser. No. 371,501. PUREX CORPORATION LTD., Los Angeles, Calif. Filed Nov. 13, 1935.

PUREX

For Drain Opener.
Claims use since May, 1933.

Ser. No. 371,742. TAKAMINE LABORATORY, INC., Clifton, N. J. Filed Nov. 19, 1935.



The drawing is lined for red. No claim is made to the representation of a carton.
For Preparation for the Treatment of Whooping Cough and Other Irritating Coughs, Vitamin Tablets, and a Preparation for the Relief of Rheumatism, Arthritis and Related Indications.
Claims use since January 13, 1933, on a preparation for the treatment of whooping cough and other irritating

coughs; since February 2, 1933, on vitamin tablets; and since October 8, 1934, on a preparation for the relief of rheumatism, arthritis, and related indications.

Ser. No. 371,852. COLLIRIUM INCORPORATED, Woodmere, N. Y. Filed Nov. 22, 1935.

UXEEF

For Effervescent Salts, Including Vichy, Seltzer, Lithia Citrate, Magnesia Citrate, Tooth Powders, Pastes, and Washes, Foot Powders, Eye Washes, Rose Water and Glycerine, Sedlitz Powders, Cathartic Pills, Charcoal Tablets.
Claims use since Oct. 1, 1933.

Ser. No. 372,167. JAMES H. CUMMINGS, doing business as The Drew Pharmacal Co., Buffalo, N. Y. Filed Dec. 2, 1935.

ZILATONE

For Preparation Containing Cholagogue and Digestive Ferments.
Claims use since JAN. 15, 1927.

Ser. No. 372,179. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Dec. 2, 1935.

DIHEXYLIN

For Antiseptic and Germicide.
Claims use since Nov. 2, 1935.

Ser. No. 372,206. WM. A. LANGE, doing business as Dermosed Laboratory, New York, N. Y. Filed Dec. 3, 1935.

Naphodyl

For Sedative, Hypnotic Preparation Used in the Treatment of Nervous Disorders.
Claims use since Nov. 8, 1935.

Ser. No. 372,217. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Dec. 3, 1935.

PAREDRINE

For Vasoconstrictors.
Claims use since Apr. 17, 1935.

Ser. No. 372,239. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass. Filed Dec. 4, 1935.

LDA—4

For Chemicals Used as Dispersing Agents in the Preparation of Dispersions of Pigments, Colors, Calcareous, and Aluminous Substances.
Claims use since Nov. 20, 1935.

Ser. No. 372,242. HANSON-VAN WINKLE-MUNNING COMPANY, Matawan, N. J. Filed Dec. 4, 1935.

MAZIC

For Electroplating Bath Ingredients.
Claims use since Nov. 8, 1935.

Ser. No. 372,286. SAVAGE, INC., Chicago, Ill. Filed Dec. 5, 1935.

JUNGLE

For Lipstick, Rouge, Face Powder, Eyelash and Eyebrow Mascara, Creams for the Hand and Face, Preparations for Skin, Hair and Finger Nails, and Perfumes.
Claims use since Nov. 1, 1934.

Ser. No. 372,293. TERY INC., New York, N. Y. Filed Dec. 5, 1935.

JOIE de VIVRE

For Perfumes.
Claims use since Aug. 12, 1936.

Ser. No. 372,302. ABBOTT LABORATORIES, North Chicago, Ill. Filed Dec. 6, 1935.

PENTOTHAL

For Pharmaceutical Product Having Hypnotic, Sedative, and Anesthetic Properties.
Claims use since Nov. 15, 1935.

Ser. No. 372,322. GEORGES GOMA, Washington, D. C. Filed Dec. 6, 1935.

Cremalda

For Cosmetics—Namely, Face Cream.
Claims use since Nov. 25, 1935.

Ser. No. 372,423. SEYMOUR PAUEL, doing business as Consolidated Chemical Works, Chicago, Ill. Filed Dec. 9, 1935.

DOG-TEX

For Chemical Compound Used as a Deodorant and for Removing Stains from Rugs and Carpets.
Claims use since Oct. 22, 1935.

Ser. No. 372,442. TABLE ROCK LABORATORIES, INC., Greenville, S. C. Filed Dec. 9, 1935.

SULBEGAMA

For Preparation in Capsule Form for the Treatment of Rheumatism, Gout, Arthritis, and Similar Diseases.
Claims use since Oct. 26, 1935.

Ser. No. 372,449. THE M. WERK COMPANY, St. Bernard, Ohio. Filed Dec. 9, 1935.

ALBA

For Stearic Acid.
Claims use since Feb. 26, 1919.

Ser. No. 372,459. DAVID CURTIS, doing business as De-Cu Products Co. of New York, New York, N. Y. Filed Dec. 10, 1935.

ASPIRCAINE

For Anesthetic Product.
Claims use since Mar. 30, 1934.

Ser. No. 372,481. CAMILLO R. MOSSO, New York, N. Y. Filed Dec. 10, 1935.

"ARSCOLLOID"

For Medicinal Preparation Used in the Treatment of Stomatitis, Gengivitis, Paradentitis, Laryngitis, Tonsillitis, and Diseases in General of the Nose, Throat, and Ear, and as an Antiseptic for Cuts and Wounds and in Post-Operative Procedure, and as a Gargle and Mouth Wash.
Claims use since Dec. 3, 1935.

Ser. No. 372,494. WOOD LABORATORIES, INC., Chicago, Ill. Filed Dec. 10, 1935.

BRACERS

For Medical Tablets.
Claims use since Oct. 1, 1935.

Ser. No. 372,497. CARROLL DUNHAM SMITH PHARMACAL COMPANY, Orange, N. J. Filed Dec. 10, 1935.

CAMIROL

For Medicinal Preparations for the Treatment of Respiratory Disorders.
Claims use since September, 1934.

Ser. No. 372,707. THE AMERICAN GYPSUM COMPANY, Port Clinton, Ohio. Filed Dec. 16, 1935.



The drawing is lined for red.
For Insecticides.
Claims use since Nov. 30, 1935.

Ser. No. 372,766. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed Dec. 18, 1935.

FURASOL

For Fur Dyes.
Claims use since Dec. 8, 1936.

Ser. No. 372,791. HASKELL SMITH, St. Louis, Mo. Filed Dec. 18, 1935.



Clover Leaf

For Preparation for the Treatment of the Hair and Scalp.
Claims use since Dec. 5, 1933.

Ser. No. 372,892. PORTLAND GAS & COKE COMPANY, Portland, Oreg. Filed Dec. 20, 1935.

Microsulfur

For Precipitated Sulphur.
Claims use since Oct. 25, 1935.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 372,250. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Dec. 7, 1935.

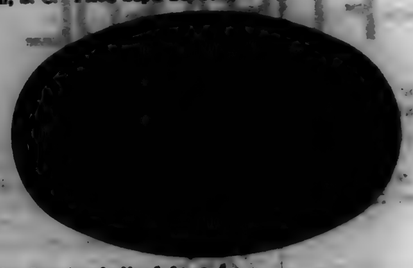


For Ash Trays and Cigarette Cases.
Claims use since 1933.

CLASS 10

Fertilizers

Ser. No. 369,798. LOGAN-ROBINSON FERTILIZER CO., Charleston, S. C. Filed Sept. 24, 1935.



The drawing is lined for red.
For Complete Fertilizers and Fertilizer Materials.
Claims use since Dec. 1, 1923.

CLASS 11

Inks and Inking Materials

Ser. No. 370,233. GENERAL OFFICE SUPPLY COMPANY, Newark, N. J. Filed Oct. 9, 1935.

GOSCO

For Carbon Paper and Typewriter Ribbons.
Claims use since Apr. 1, 1926.

Ser. No. 371,474. A. C. RANSOM CORPORATION, New York, N. Y. Filed Nov. 12, 1935.

"NEW-VO"

For Printing and Lithographing Inks.
Claims use since July, 1935.

CLASS 12

Construction Materials

Ser. No. 360,288. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Jan. 14, 1935.



The drawing is lined for red.
For Asphalt Roofing, Saturated Fibrous House Liner, Felt for Construction Purposes, Sheathing, and Building Paper.
Claims use since 1918.

Ser. No. 368,812. JAMES H. JACOBSON, doing business as The J-Bar Company, Chicago, Ill. Filed July 8, 1935.

J-BAR

The word "Bar" is disclaimed apart from the mark.
For Dowels and Devices Including Dowels Used in Concrete Highway and Similar Constructions.
Claims use since June 25, 1935.

Ser. No. 372,450. QUIGLEY COMPANY, Inc., New York, N. Y. Filed Dec. 9, 1935.

INSULAG

For Refractory Cement.
Claims use since Nov. 13, 1935.

Ser. No. 372,451. QUIGLEY COMPANY, Inc., New York, N. Y. Filed Dec. 9, 1935.

INSULINE

For Refractory Cement.
Claims use since Nov. 21, 1935.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 366,232. HASTINGS & COMPANY, Philadelphia, Pa. Filed June 18, 1935.



The word "Brand" apart from the mark is disclaimed.
For Gold Leaf, Silver Leaf, and Palladium Leaf.
Claims use since 1905.

Ser. No. 371,669. THE NEWPORT ROLLING MILL COMPANY, INC., Newport, Ky. Filed Nov. 16, 1935.

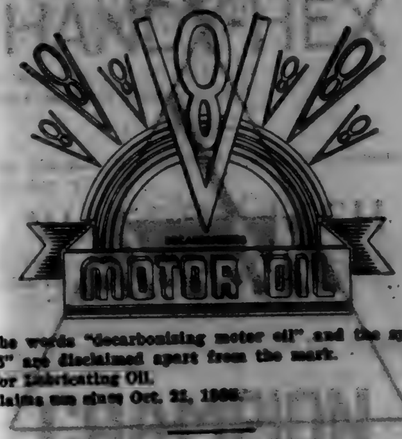
NEWPORT DE-LUXE METAL

The word "Metal" is disclaimed apart from the mark.
For Zinc Coated Iron and Steel Sheeting.
Claims use since July 1, 1935.

CLASS 15

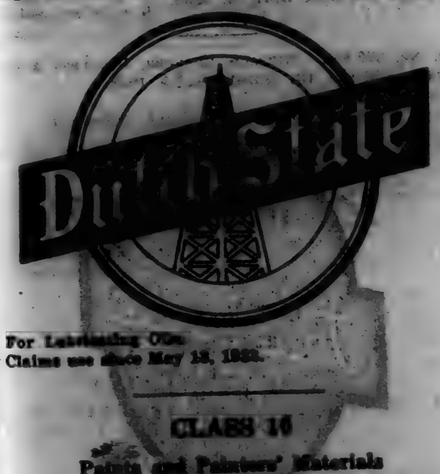
Oils and Greases

Ser. No. 371,656. DIAMOND PETROLEUM COMPANY, Cleveland, Ohio. Filed Nov. 13, 1935.



The words "decarbonizing motor oil" and the symbols "V-8" are disclaimed apart from the mark.
For Lubricating Oil.
Claims use since Oct. 22, 1935.

Ser. No. 372,505. NATIONAL GAS & OIL SALES CO., Chicago, Ill. Filed Dec. 12, 1935.



For Lubricating Oils.
Claims use since May 15, 1935.

CLASS 16

Paints and Painters' Materials

Ser. No. 370,236. ALBERT E. MORRISON, Pueblo, Colo. Filed Oct. 7, 1935.

Varno

For Furniture and Automobile Polish.
Claims use since Sept. 15, 1909.

Ser. No. 372,504. FAHST-BOOTH PAINT COMPANY, St. Louis, Mo. Filed Dec. 12, 1935.

POLARITE

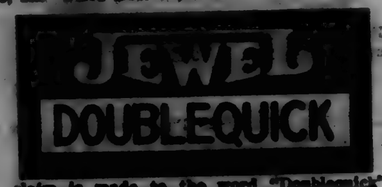
For Ready-Mixed Paints and Paint Removals.
Claims use since May 20, 1935.

Ser. No. 372,505. FAHST-BOOTH PAINT COMPANY, St. Louis, Mo. Filed Dec. 12, 1935.

RECOTO

For Ready-Mixed Paints and Paint Removals.
Claims use since May 20, 1935.

Ser. No. 372,602. JEWEL PAINT AND VARNISH CO., Chicago, Ill. Filed Dec. 13, 1935.



No claim is made to the word "Doublequick" apart from the mark.
For Paint and/or Varnish Removers.
Claims use since Nov. 20, 1935.

CLASS 17

Tobacco Products

Ser. No. 372,494. B. PAYP'S SON'S TOBACCO CO., Albany, N. Y. Filed Dec. 12, 1935.

UNION STOKER

For Smoking and Chewing Tobacco.
Claims use since Nov. 12, 1935.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 372,238. CONSOLEUM-NAIRN INC., Kearny, N. J. Filed Jan. 4, 1936.

NAIRN

For Linoleum and Felt Base Rugs and Floor Coverings.
Claims use since Dec. 28, 1935.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 368,267. QUEEN'S ELECTRIC SHOPS, INC., Long Island City, N. Y. Filed Sept. 4, 1935.

Homease Appliances

QUEEN'S ELECTRIC SHOPS INC.

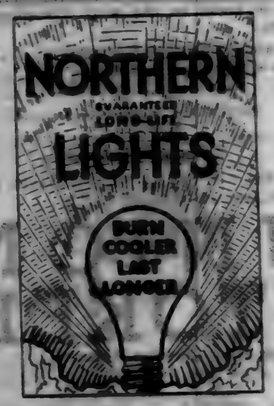
The expression "appliances" is disclaimed apart from the mark.
For Household Electrical Appliances—Namely, Vacuum Cleaners, Radio Receiving Sets, Floor Lamps, and Electric Hand Irons.
Claims use since July 10, 1933.

Ser. No. 371,893. THE NESTLE-LEMUR COMPANY, New York, N. Y. Filed Nov. 9, 1935.

UNDINE

For Electrical Heaters.
Claims use since Nov. 1, 1935.

Ser. No. 371,736. HOUSEHOLD PRODUCTS CORP., New York, N. Y. Filed Nov. 19, 1935.



All wording except "Northern" and the representation of an electric light bulb are disclaimed.
For Incandescent Electric Lamps.
Claims use since Oct. 10, 1932.

Ser. No. 372,034. VOLTARC TUBES, INC., Newark, N. J. Filed Nov. 28, 1935.

VOLTARC

For Luminous Tubes Such as Neon Tubes and Parts and Supplies Therefor Such as Electrodes, Cables, and Transformers.
Claims use since June, 1932.

Ser. No. 372,177. MULTI-HYDROMATIC WELDING & MFG. CO., Detroit, Mich. Filed Dec. 2, 1935.

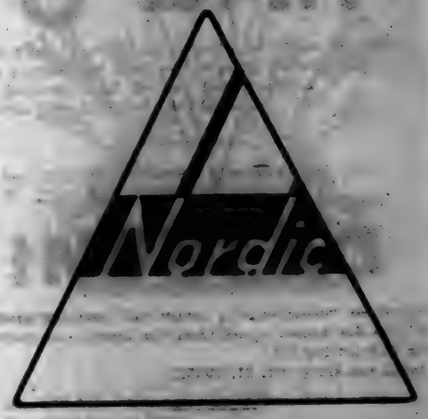
HYDROMATIC

For Electrical Welding Apparatus.
Claims use since March, 1934.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 370,132. WILLIAM FREDERICK BLANCHARD, South Orange, N. J. Filed Oct. 8, 1935.



For Skis, Ski-Edges, Snow-Shoes, Sleds, and Toboggans.
Claims use since Apr. 15, 1935.

Ser. No. 372,886. HIBBARD, SPENCER, BARTLETT & COMPANY, Chicago, Ill. Filed Dec. 19, 1935.



The drawing is lined for red and gold.
For Fish Rods, Fish Reels, Scaling Knives, Artificial Bait, Fish Lines, Baseballs, Softballs, Baseball Gloves and Mitts, and Children's Velocipedes.
Claims use since September, 1933.

Ser. No. 373,363. THE CRAWFORD, MCGREGOR AND CANBY COMPANY, Dayton, Ohio. Filed Jan. 6, 1936.

CLAN

For Golf Clubs.
Claims use since Sept. 4, 1935.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 369,127. DEXS METAL PRODUCTS COMPANY, Chicago, Ill. Filed Sept. 9, 1935.

HANDY-HEX

For Wrenches.
Claims use since February, 1932.

Ser. No. 372,252. MUNCIE GEAR WORKS, INC., Muncie, Ind. Filed Dec. 4, 1935.

WATERWITCH

For Outboard Motors.
Claims use since January, 1935.

Ser. No. 372,718. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Dec. 16, 1935.

CHAMPION

For Windmills.
Claims use since June 25, 1934.

CLASS 24

Laundry Appliances and Machines

Ser. No. 373,402. FAIRBANKS-MORSE HOME APPLIANCES, INC., Chicago, Ill. Filed Jan. 9, 1936.

FAIRBANKS-MORSE

For Washing Machines.
Claims use since May 18, 1934.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 372,049. COLUMBIA FLOUR & FOOD CO., INC., Brooklyn, N. Y. Filed Nov. 27, 1935.

MOVIE STARS

For Powder Puffs.
Claims use since December, 1934.

Ser. No. 372,626. THE KENDALL COMPANY, Walpole, Mass. Filed Dec. 14, 1935.

Rumplecloth

For Dusting and Polishing Cloths.
Claims use since Oct. 26, 1935.

CLASS 32

Furniture and Upholstery

Ser. No. 369,461. SLEEPSAFE INDUSTRIES, INC., New York, N. Y. Filed Sept. 18, 1935.



The words "Sterilized—Fire and Vermin Proof", "Mattress", and "New York, N. Y.", are disclaimed.
For Mattresses, Box Springs, Mattress Pads, Pillows.
Claims use since Sept. 2, 1935.

Ser. No. 369,462. SLEEPSAFE INDUSTRIES, INC., New York, N. Y. Filed Sept. 18, 1935.



The words "Sterilized—Fire and Vermin Proof", "Mattress", and "New York, N. Y.", are disclaimed.
For Mattresses, Box Springs, Mattress Pads, Pillows.
Claims use since Sept. 2, 1935.

Ser. No. 371,731. THE FORT MASSAC CHAIR COMPANY, Metropolis, Ill. Filed Nov. 19, 1935.

WOOD-FLEX

The word "Wood", is disclaimed apart from the mark.
For Chairs.
Claims use since Nov. 15, 1935.

Ser. No. 371,849. CAREY-MCFALL CO., Philadelphia, Pa. Filed Nov. 22, 1935.

Lido

For Venetian Blinds.
Claims use since Mar. 15, 1926.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 372,512. ABE COHEMAN, doing business as Adelta Stove & Mfg. Co., Philadelphia, Pa. Filed Dec. 11, 1935.

MAJOR

For Hot Air Furnaces, Hot Water Furnaces, and Other Furnaces Made of Cast Iron, Sheet Iron and/or Other Metal Materials Adapted for the Use of Liquid or Solid Fuels Including Coal and Fuel Oil.
Claims use since Feb. 10, 1931.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 371,775. OLIVER TIRE & RUBBER COMPANY, Oakland, Calif. Filed Nov. 20, 1935.

OLIVER

The drawing is lined for green.
For Black Sheet Gum for Patching, Cushion Gum and Rubber in Strip Form for Retreading Tires.
Claims use since 1927.

Ser. No. 372,701. WILKENING MANUFACTURING COMPANY, Philadelphia, Pa. Filed Dec. 16, 1935.

WILCO

For Piston Rings, Piston Ring Expanders, and Valve Packing.
Claims use since Nov. 25, 1935.

CLASS 36

Musical Instruments and Supplies

Ser. No. 372,042. ROBERT BURNS, doing business as Bob Burns, Hollywood, Calif. Filed Nov. 27, 1935.

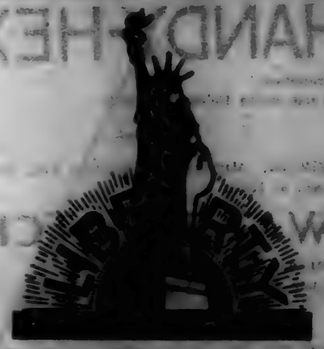
BAZOOKA

For Trumpets and Trombones.
Claims use since 1918.

CLASS 37

Paper and Stationery

Ser. No. 359,855. COMMONWEALTH PUBLISHING COMPANY, Chicago, Ill. Filed Dec. 20, 1934.



For Weekly Income Record Blank Books.
Claims use since Feb. 9, 1918.

Ser. No. 368,314. CENTRAL PAPER COMPANY, Muskegon, Mich. Filed June 18, 1935.



For Flexible Long-Fibered Tympan Paper, a Special Substantially Water and Air Proof Food Wrapping Paper for Home Refrigerating Use, Unsensitized Blueprint Paper, and Industrial Papers—Namely, Writing and Bond, Manila, Wax, Parchment, Wrapping, Printing, and Crepe; Correspondence and Mailing Envelopes; Lining, Waxed, Kraft, Manifold, Sales Book, Butchers', Stencil, Tyvek, Cover, File Folder Stock, and Oatmeal and Transparent Papers.
Claims use since November, 1934.

Ser. No. 369,546. ORMIS CORPORATION, New York, N. Y. Filed Sept. 23, 1935.



The drawing is lined for yellow.
For Electrographic Spirit Duplicating Machines, Which Print Directly from Mimeographic Originals.
Claims use since Mar. 1, 1918.

Ser. No. 370,564. MUSGRAVE PENCIL CO., Inc., Shelbyville, Tenn. Filed Oct. 10, 1935.



Trade-mark is characterized by a tip of light green color encircled by a mauve colored band. The representation of the goods is disclaimed apart from the mark.
For Pencils.
Claims use since Apr. 1, 1935.

Ser. No. 371,862. THE PEMBINE PAPER MILLS, Oaks, Pa. Filed Nov. 8, 1935.

Sof-Tir

For Toilet Paper and Paper Towels.
Claims use since Oct. 15, 1935.

Ser. No. 371,827. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Nov. 16, 1935.



For Paper and Stationery—Particularly, Albums, Studio Registers, Book Binders, Snap Shot Library Sets, Spotting Pencils, and Negative Pencils.
Claims use since 1899 on albums; since 1912 on studio registers; since 1923 on book binders; since 1925 on snap shot library sets; since 1927 on spotting pencils and negative pencils.

Ser. No. 372,418. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 9, 1935.

Croyden

For Absorbent Wash Cleansing Sheets Made of Paper.
Claims use since Nov. 27, 1935.

CLASS 38

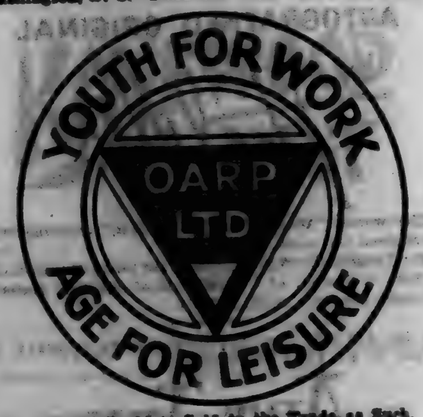
Prints and Publications

Ser. No. 366,906. CIRCULATION PUBLISHING COMPANY, Chicago, Ill. Filed July 8, 1935.

Circulation MANAGEMENT

For Periodical Publications.
Claims use since May 24, 1935.

Ser. No. 370,884. OLD AGE REVOLVING PENSIONS, LTD., Washington, D. C. Filed Oct. 14, 1935.



For Printed Booklets Sold to the Trade as Such.
Claims use since Jan. 1, 1935.

Ser. No. 371,342. THE CURTIS PUBLISHING COMPANY, Philadelphia, Pa. Filed Nov. 8, 1935.



For Section of an Agricultural Journal Issued Monthly.
Claims use since Aug. 20, 1935.

Ser. No. 372,521. CURTIS M. ROGERS, Austin, Tex. Filed Dec. 11, 1935.

PUZZLE (PATTERN) POEMS

For Cartoons and Puzzle-Poems, Published Daily.
Claims use since Nov. 22, 1935.

Ser. No. 372,571. DONALD P. REEDER, Lorton, Va. Filed Dec. 12, 1935.

OUTLAWS OF SHERWOOD FOREST

For Series of Cartoons.
Claims use since Dec. 11, 1935.

CLASS 39

Clothing

Ser. No. 369,466. O'BRIEN BROTHERS, Chicago, Ill. Filed Sept. 18, 1935.

PETAL TRIQUE

For Ladies' Rayon Underwear.
Claims use since June, 1935.

Ser. No. 369,757. MILTON S. ALTMARK, New York, N. Y. Filed Sept. 27, 1935.

AUTOGRAPHED ORIGINAL by Hilda

The words "Autographed original by" are disclaimed apart from the mark.

For Dresses for Women, the Same Being Made of Cloth of Silk, of Rayon, of Cotton, and of Kindred Materials.

Claims use since Sept. 1, 1934.

Ser. No. 370,075. ART-TEX DISTRIBUTING COMPANY, New York, N. Y. Filed Oct. 7, 1935.

ART-TEX

For Men's, Women's, and Children's Underwear, Hosiery, Bathing Suits, Jerseys, Sweaters, Knitted Outerwear and Sportswear—Namely, Polo Shirts, Pullover Shirts, Sport Shirts, Bath and Lounge Robes, and Dress, Negligee and Work Shirts of Knitted and/or Woven Materials; Women's Knitted Dresses, Suits, Vests, Skirts and Coats and Men's and Women's Slacks.

Claims use since May 10, 1918.

Ser. No. 370,502. HENRY A. DIX & SONS CORPORATION, doing business as Women's Uniforms, Inc., New York, N. Y. Filed Oct. 18, 1935.

BLUE CROSS

UNIFORMS

The word "Uniforms" is disclaimed apart from the mark.

For Ladies' Tub Dresses, House Dresses, and Misses' and Waitresses' Uniforms.

Claims use since Aug. 9, 1935.

Ser. No. 370,680. THE STROUSE-BAER COMPANY, Baltimore, Md. Filed Oct. 22, 1935.

FIRMATEX SUITING BY Jack Tar

RUB 'EM TUB 'EM SCRUB 'EM — THEY COME UP SMILING

No claim is made to the word "Suiting" apart from the mark.

For Suits and Pants for Boys and Suits and Sport Dresses, Shirts, Shorts, Blouses, Sweaters, Slacks, and Playsuits for Girls.

Claims use since October, 1932.

Ser. No. 370,681. THE STROUSE-BAER COMPANY, Baltimore, Md. Filed Oct. 22, 1935.

DURWSTRA SUITING BY Jack Tar

RUB 'EM TUB 'EM SCRUB 'EM — THEY COME UP SMILING

No claim is made to the word "Suiting" apart from the mark.

For Suits and Pants for Boys and Suits and Sport Dresses, Shirts, Shorts, Blouses, Sweaters, Slacks, and Playsuits for Girls.

Claims use since October, 1932.

Ser. No. 371,170. MONVAY AND SONS, INC., Bridgeton, N. J. Filed Nov. 4, 1935.

O'givre

For Women's Pajamas, Dresses, Slips, Panties, Dance Sets Which Comprise a Garment of Two Separate Pieces—a Brassière and Panties—Vests, Brassières, Bandeaux, Nightgowns, Chemises, Teddies, Step-Ins, Bloomers, and Combinations—a One Piece Garment Which Includes a Brassière, Vest, and Panties—Bath Robes and Robes for Outer Wear, and Shoes Made of Leather or Rubber or Combinations Thereof, Hose, Dresses, Coats, Sweaters, Scarfs, Collars and Cuffs, Hats, and Fabric and Leather Gloves.

Claims use since September, 1935.

Ser. No. 371,891. C. B. SHANK CORPORATION, Chicago, Ill. Filed Nov. 22, 1935.

SAKARA



For Men's Overcoats and Top Coats.

Claims use since Nov. 1, 1935.

Ser. No. 371,912. CONE EXPORT AND COMMISSION COMPANY, New York, N. Y. Filed Nov. 22, 1935.

Conespun

For Garments—Namely, Trousers, Knickerbockers, Outer Shirts, Blouses, Coats, and Shorts for Men, Women, Girls and Boys.

Claims use since Oct. 4, 1935.

Ser. No. 371,977. A. SCHRAMM & SONS CO., INC., Baltimore, Md. Filed Nov. 25, 1935.

KING OF WASHABLE NECKWEAR

The words "Washable Neckwear" are disclaimed apart from the mark.

For Wash Ties.

Claims use since March, 1926.

Ser. No. 372,023. PALESMALE KNITTING MILLS, Philadelphia, Pa. Filed Nov. 27, 1935.

KING  KONG SPORT WEAR

The words "Sport Wear" are disclaimed apart from the mark.

For Knitted Sweaters for Men, Women, and Children.

Claims use since May 15, 1934.

Ser. No. 372,063. WILLIAM R. BRADSHAW, New York, N. Y. Filed Nov. 29, 1935.



The words "Weather Coats" are disclaimed apart from the mark.

For Raincoats and Coats Made of Fabrics for Use of and to Be Worn by Men, Women, Boys or Girls.

Claims use since Jan. 1, 1932.

Ser. No. 372,042. JOSEPH P. BUSSA, New York, N. Y. Filed Dec. 13, 1935.

BEAUCREST

For Boys, Negligee, and Work Shirts, Hosiery, and Underwear for Men, Women, and Children.

Claims use since Jan. 15, 1934.

Ser. No. 372,068. FORD MANUFACTURING, INC., Boston, Mass. Filed Dec. 13, 1935.

BIG-EZE

For Ladies' Underwear.

Claims use since June 7, 1935.

Ser. No. 372,590. J. FREEMAN & SON, INC., New York, N. Y. Filed Dec. 12, 1935.

KAYEWOOD SHIRT

No claim is made to the word "Shirt" apart from the mark.

For Men's Dress, Negligee, and Work Shirts.

Claims use since May, 1935.

Ser. No. 372,790. PENNS BROTHERS DRESS CORPORATION, Hummelstown, Pa. Filed Dec. 18, 1935.

Frances Adams STYLIST PRESENTS City Queen UNIFORMS SMOCKS

No claim is made to the words "Stylist Presents", "Uniforms", and "Smocks" apart from the mark.

For Ladies' and Children's Dresses and Smocks and Uniforms for Women.

Claims use since Nov. 14, 1935.

Ser. No. 372,876. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Dec. 20, 1935.

The BARRACKS

For Men's and Boys' Overcoats.

Claims use since October, 1934.

Ser. No. 372,881. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Dec. 20, 1935.

MT. ROCK FLEECE

The word "Fleece" is disclaimed apart from the mark.

For Men's Overcoats.

Claims use since July 25, 1927.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 369,895. DUMARI TEXTILE CO., INC., New York, N. Y. Filed Sept. 28, 1935.



The representation of the roll shows at each end two black bands separated by one gold band. The representation of the roll is disclaimed apart from the mark.
For Goods in the Piece Made of Cotton, Rayon, Silk, Wool, and/or Combinations of the Same.
Claims use since July 1, 1935.

Ser. No. 369,896. DUMARI TEXTILE CO., INC., New York, N. Y. Filed Sept. 28, 1935.



The drawing shows at each end of the roll two gold bands separated by one black band. The representation of the roll is disclaimed apart from the mark.
For Goods in the Piece Made of Cotton, Rayon, Silk, Wool, and/or Combinations of the Same.
Claims use since July 1, 1935.

Ser. No. 371,568. CROMPTON COMPANY, West Warwick, R. I. Filed Nov. 15, 1935.

EAST–WEST

For Corduroys and Velveteens in the Piece.
Claims use since Oct. 21, 1935.

Ser. No. 372,856. FINISHING FABRICS, CORP., New York, N. Y. Filed Dec. 7, 1935.

RIPPLETUCK

For Cotton Piece Goods.
Claims use since Nov. 19, 1935.

Ser. No. 372,868. ARTHUR BEIN & CO., INC., New York, N. Y. Filed Dec. 11, 1935.

ABC

NU-CLIPPER CREPE

The word "Crepe" is disclaimed apart from the mark.
For Rayon Piece Goods.
Claims use since Nov. 20, 1935.

Ser. No. 372,896. CLEVELAND CLOTH MILLS, INC., Shelby, N. C. Filed Dec. 11, 1935.

PUFFLASSÉ

For Textile Fabrics in the Piece of Cotton, Wool, Silk, Rayon, and/or Combinations Thereof.
Claims use since March, 1934.

Ser. No. 372,500. CLEVELAND CLOTH MILLS, INC., Shelby, N. C. Filed Dec. 11, 1935.

PUF-GLO

For Textile Fabrics in the Piece, of Cotton, Wool, Silk, Rayon, and/or Combinations Thereof.
Claims use since March, 1934.

Ser. No. 372,627. THE KENDALL COMPANY, Walpole, Mass. Filed Dec. 14, 1935.

WARWEFT

For Cotton Dress Fabrics.
Claims use since Sept. 17, 1935.

Ser. No. 372,148. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Dec. 28, 1935. Under 10-year proviso.

SALISBURY

For Cotton Sheeting in the Piece, Sheets and Pillow Cases.
Claims use since 1931.

CLASS 43

Thread and Yarn

Ser. No. 372,205. HARTZARF, INC., Brooklyn, N. Y. Filed Dec. 31, 1935.

ETHEALIA

For Yarns.
Claims use since Nov. 15, 1935.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 369,482. THE LOEB MANUFACTURING COMPANY, Cleveland, Ohio. Filed Sept. 6, 1935.

MURLÉ

For Hair Waving Machines, Hair Waving Appliances, and Hair Waving Supplies—Namely, Pads for Steam Chambers of Hair Waving Appliances; Rubber Pads Used in Connection with the Steam Chamber of a Hair Waving Machine; Cellophane Strips and Wrappers for use in Preparing Hair for the Hair Waving Operation; Tubes for Covering the Hair, when Wound on a Winding Rod in Permanent Waving.
Claims use since Apr. 17, 1933.

Ser. No. 372,725. THE LOEB MANUFACTURING CO., Middleboro, Mass. Filed Dec. 17, 1935.



For Electric Heating Pad.
Claims use since Dec. 1, 1934.

Ser. No. 372,726. THE LOEB MANUFACTURING CO., Middleboro, Mass. Filed Dec. 17, 1935.



For Electric Heating Pad.
Claims use since Dec. 1, 1934.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 369,636. VITA COLA PRODUCTS COMPANY, Detroit, Mich. Filed Sept. 28, 1935.

VITA-COLA

No claim is made to the word "Cola."
For Nonalcoholic Maltine Beverage Sold as a Soft Drink, and Syrups for Making the Same.
Claims use since Sept. 1, 1935.

Ser. No. 372,162. ROBERTS LABORATORIES, INC., Natick, Mass. Filed Dec. 4, 1935.

LEM-MIX

The word "Mix" is disclaimed apart from the mark.
For Nonalcoholic, Nonsecret, Maltine Beverages Sold as Soft Drinks, and for Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Apr. 22, 1935.

Ser. No. 373,219. H. KOHNSTAMM & CO. INC., New York, N. Y. Filed Dec. 31, 1935.

SILVER ANCHOR



The drawing is lined for silver.
For Extracts and Flavors for Making Non-Alcoholic Maltine Beverages Sold as Soft Drinks.
Claims use since Dec. 3, 1935.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 344,303. WAPLES PLATTER COMPANY, Fort Worth, Tex. Filed Nov. 29, 1933.

WAPCO

For Canned Beans Chuck-Wagon Style, Wafer Sliced Beef, Potted Meat Food Products, Vienna Sausage, Veal Loaf, Cooked Corned Beef, Chili Con Carne, Canned Beans Mexican Style, Catsup, Salad Dressing, Peanut Butter.
Claims use since Aug. 6, 1907.

Ser. No. 367,031. NOMOLAS LIMITED, London, England. Filed July 6, 1935.

NOMOLAS

For Bread, Biscuits, Cakes, Cereal Foods, and Bran (for Food).
Claims use since June 1, 1935.

Ser. No. 367,721. LANCASTER INC., Los Angeles, Calif. Filed July 26, 1935.

CHIC-A-D

For Vitamin Concentrate to be Added to Poultry Food, Bird Food, Fur Bearing Animal Food, Livestock Food, and Food for Human Consumption.
Claims use since July 15, 1935.

Ser. No. 368,637. TOPCO FOOD PRODUCTS CO., Augusta, Ga. Filed Aug. 23, 1935.

TOPCO



For Cane and Corn Syrup.
Claims use since June 12, 1935.

Ser. No. 869,121. ARTHUR H. BOSDEN, North Dartmouth, Mass. Filed Sept. 9, 1935.

CAPE COD STYLE FROZEN FRITTER

The words "Style" and "Frozen Fritter" are disclaimed apart from the mark.
For Ice Cream.
Claims use since June 10, 1935.

Ser. No. 870,214. DETROIT TOMATO & PRODUCE COMPANY, Detroit, Mich. Filed Oct. 10, 1935.

VEGETTES

For Diced Fresh Vegetables.
Claims use since Feb. 28, 1933.

Ser. No. 870,679. STANDARD GROCERY COMPANY, Boston, Mass. Filed Oct. 22, 1935.



For Canned Vegetables, Canned Fish, Canned Shellfish, Canned Fruit Juices for Food Purposes, Canned Vegetable Juices, Canned Deciduous Fruits, Apple Sauce, Canned Berries, and Canned Pineapple.
Claims use since January, 1904.

Ser. No. 870,940. ERNEST CLEWS, doing business as Bye-Lo Milk Company, Oakland, Calif. Filed Oct. 29, 1935.



'BYE-LO'

The representation of a baby is fanciful.
For Liquid Baby Food.
Claims use since Oct. 15, 1935.

Ser. No. 871,052. CHARLES COOPER JAMES, New York, N. Y. Filed Oct. 31, 1935.

CocoaMarsh

The word "Cocoa" is disclaimed apart from the mark.
For Preparation for Making a Chocolate Food Drink.
Claims use since May 1, 1934.

Ser. No. 871,200. BROOKS, LTD., San Francisco, Calif. Filed Nov. 5, 1935.

MODERN MELBAS

For Toasted Bread.
Claims use since June 24, 1935.

Ser. No. 871,421. ELKHART LAKE CANNING COMPANY, Elkhart Lake, Wis. Filed Nov. 11, 1935.

Harvester



For Canned Peas.
Claims use since January, 1935.

Ser. No. 871,467. FRENCH SARDINE CO., INC., Terminal Island, Calif. Filed Nov. 12, 1935.



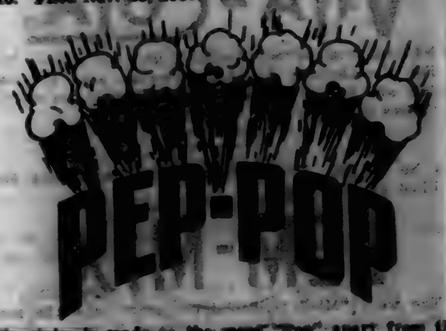
The representation of the fish, the outline of a label, and the words "Packed By", "Brand", and "Sardines" are disclaimed apart from the mark. The drawing is lined for red.
For Canned Sardines.
Claims use since Feb. 14, 1935.

Ser. No. 871,506. KELLOGG COMPANY, Battle Creek, Mich. Filed Nov. 15, 1935.

KORN KRAX

The word "Korn" is not claimed apart from the mark.
For Cereal Breakfast Foods.
Claims use since Dec. 1, 1911.

Ser. No. 871,902. PEPPARD SEED COMPANY, Kansas City, Mo. Filed Nov. 25, 1935.



No claim is made to the word "Pop" apart from the mark.
For Pop-Corn in its Natural State.
Claims use since Oct. 11, 1933.

Ser. No. 872,013. INTERNATIONAL NUT AND NOVELTY COMPANY, Baltimore, Md. Filed Nov. 26, 1935.

BRINEY DEEP NUTS

"With the Tang of the Sea"

The words "Nuts" and "With the Tang of the Sea" are disclaimed apart from the mark.
For Nuts, Salted and Unsalted, Roasted Peanuts, Cashews, Almonds, Walnuts, Pistachios, Brazils, and Mixed Nuts of All Kinds.
Claims use since Nov. 14, 1935.

Ser. No. 872,060. HOWARD E. JONES & COMPANY, doing business as King Foods Company, Baltimore, Md. Filed Nov. 27, 1935.

GREEN DROPS

No claim is made to the word "Green" apart from the mark.
For Canned Green Peas.
Claims use since June, 1934.

Ser. No. 872,126. THE ATLANTIC MACARONI CO., INC., Long Island City, N. Y. Filed Nov. 30, 1935.

GOLD CROWN

For Macaroni.
Claims use since December, 1906.

Ser. No. 872,128. THE ATLANTIC MACARONI CO., INC., Long Island City, N. Y. Filed Nov. 30, 1935.



For Alimentary Paste Products.
Claims use since March, 1907.

Ser. No. 872,186. SPENCER COUNTY FARM BUREAU CO-OPERATIVE ASSOCIATION, INC., Chrisney, Ind. Filed Dec. 2, 1935.

Lincoln PARK

For Canned Vegetables.
Claims use since Oct. 22, 1935.

Ser. No. 872,249. LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind. Filed Dec. 4, 1935.

DO-MIX



For Wheat Flour.
Claims use since Oct. 8, 1935.

Ser. No. 872,277. PASS AND WILLIAMSON, INC., Philadelphia, Pa. Filed Dec. 7, 1935.



"Orchid"

For Candy.
Claims use since 1927.

Ser. No. 872,545. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio. Filed Dec. 13, 1935.

BUCKEYE

Applicant is the owner of trade-mark registration No. 28,095 (renewed).
For Vegetable Shortening.
Claims use since Nov. 30, 1935.

Ser. No. 872,547. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio. Filed Dec. 13, 1935.

SILVER BLOOM

For Vegetable Shortening.
Claims use since Nov. 16, 1935.

Ser. No. 372,716. R. H. Black & Sons, Pine City, N. Y. Filed Dec. 17, 1935.

MORNING DELIGHT

For Prepared Pancake Flour.
Claims use since Oct. 1, 1921.

Ser. No. 372,723. Jos Lowe Corporation, New York, N. Y. Filed Dec. 17, 1935.

BULS-EYE

For Frozen Confections Made of Water-Ice, Sherbet, Ice Cream, and the Like.
Claims use since Nov. 27, 1935.

Ser. No. 372,724. Jos Lowe Corporation, New York, N. Y. Filed Dec. 17, 1935.

Hi-Tex

For Flour Preparation for Stabilizing High Sugar Content in Cakes and Cookies.
Claims use since Nov. 5, 1935.

Ser. No. 372,740. The Snow King Baking Powder Co., Cincinnati, Ohio. Filed Dec. 17, 1935.

SNOW KING

For Baking Powder.
Claims use since July 1, 1885.

Ser. No. 372,753. McMillan Bros., La Conner, Wash. Filed Dec. 18, 1935.

RIPTIDE

For Canned Peas.
Claims use since Sept. 25, 1934.

Ser. No. 372,850. Oroville-Consmal Fruit Growers, Inc., Oroville, Wash. Filed Dec. 19, 1935.

Oh! See

For Fresh Apples.
Claims use since Oct. 8, 1935.

Ser. No. 372,886. Pillsbury Flour Mills Company, Minneapolis, Minn. Filed Dec. 20, 1935.

NORTHWESTERN BEAUTY

For Wheat Flour.
Claims use since Oct. 30, 1935.

Ser. No. 372,889. Pillsbury Flour Mills Company, Minneapolis, Minn. Filed Dec. 20, 1935.

POWERHOUSE

For Wheat Flour.
Claims use since Oct. 28, 1935.

Ser. No. 372,890. Pillsbury Flour Mills Company, Minneapolis, Minn. Filed Dec. 20, 1935.

SILVERTEX

For Wheat Flour.
Claims use since Nov. 7, 1935.

Ser. No. 372,945. Associated Anaheim Growers, Anaheim, Calif. Filed Dec. 23, 1935.

KING DAVID

For Fresh Citrus Fruit.
Claims use since Nov. 26, 1935.

Ser. No. 372,946. Associated Anaheim Growers, Anaheim, Calif. Filed Dec. 23, 1935.

QUEEN ESTHER

For Fresh Citrus Fruit.
Claims use since Nov. 23, 1935.

Ser. No. 372,947. Associated Anaheim Growers, Anaheim, Calif. Filed Dec. 23, 1935.

REBECCA

For Fresh Citrus Fruit.
Claims use since Nov. 23, 1935.

Ser. No. 372,998. Colorado Potato Growers Exchange, Denver, Colo. Filed Dec. 23, 1935.

COLOVENCIA

For Raw, Dried, and Cured Table Onions.
Claims use since Nov. 1, 1935.

CLASS 47

Wines

Ser. No. 360,892. Manuel Fernandez e Compañia S. L., Jerez de la Frontera, Spain. Filed Jan. 31, 1935.

Manuel Fernandez y Cia S.L.

Trade-mark is in the handwriting of Mr. Enrique Fernandez de Bobadilla.
For Wines.
Claims use since 1922.

CLASS 48

Malt Beverages and Liquors

Ser. No. 371,449. Leo J. Otto, Dallas, Tex. Filed Nov. 11, 1935.

A PLUS A

For Beer.
Claims use since July 29, 1935.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 371,650. The Quaker Oats Company, Chicago, Ill. Filed Nov. 16, 1935.

AVENEX

For Cereal Products Made from Oats, Barley, or Corn, Useful in Preventing Rancidity and Deterioration by Applying Same to Perishable Goods and/or the Containers Therefor.
Claims use since Aug. 6, 1935.

Ser. No. 372,025. Plotnik Brothers, New York, N. Y. Filed Nov. 26, 1935.

HELIO

For Waterproofed Textile Fabrics.
Claims use since January, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

FEBRUARY 11, 1936

332,282. FRESH CITRUS FRUIT. ANAHEIM COMMUNITY GROWERS, Anaheim, Calif.
Filed September 16, 1935. Serial No. 369,222. PUBLISHED DECEMBER 3, 1935. Class 46.

332,283. WOMEN'S, MISSES', AND CHILDREN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. LANSBURGH & BRO., doing business as Lansburgh's, Washington, D. C.
Filed September 13, 1935. Serial No. 369,279. PUBLISHED NOVEMBER 19, 1935. Class 39.

332,284. PREPARATION FOR DEGUMMING OF SILK HOSIERY AND SILKEN PIECE GOODS AND FOR THE SCOURING OF WOOLEN YARNS AND PIECE GOODS. NATIONAL MILLING & CHEMICAL COMPANY, Philadelphia, Pa.
Filed September 12, 1935. Serial No. 369,235. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,285. CANNED VEGETABLES. BERCUT RICHARDS PACKING COMPANY, Sacramento, Calif.
Filed September 11, 1935. Serial No. 369,177. PUBLISHED DECEMBER 3, 1935. Class 46.

332,286. TEA. PEERLESS COFFEE COMPANY, INC., Oakland, Calif.
Filed September 10, 1935. Serial No. 369,166. PUBLISHED DECEMBER 3, 1935. Class 46.

332,287. CHILDREN'S VELOCIPEDES. THE COLSON CORPORATION, Elyria, Ohio.
Filed September 10, 1935. Serial No. 369,154. PUBLISHED DECEMBER 3, 1935. Class 22.

332,288. BAR DRUM PROTECTORS. JACK COHN, doing business as Fiberite Products Co., New York, N. Y.
Filed September 9, 1935. Serial No. 369,125. PUBLISHED DECEMBER 3, 1935. Class 44.

332,289. LEATHER, FABRIC, AND COMBINED LEATHER AND FABRIC SHOES. HOLDEN, WIGGIN & FOLAN, INC., Yarmouth, Maine.
Filed September 9, 1935. Serial No. 369,131. PUBLISHED DECEMBER 3, 1935. Class 39.

332,290. NON-ELECTRICAL HAIR CURLING IRONS AND HAIR WAVING IRONS. FIRMA E. A. NEILER, Steinbach-Hallenberg, Germany.
Filed September 9, 1935. Serial No. 369,137. PUBLISHED NOVEMBER 26, 1935. Class 40.

332,291. WOMEN'S SHOES, MADE OF FABRIC AND LEATHER AND COMBINATIONS OF FABRIC AND LEATHER. O'CONNOR & GOLDBERG, Chicago, Ill.
Filed September 7, 1935. Serial No. 369,007. PUBLISHED DECEMBER 3, 1935. Class 39.

332,292. LUBRICATING OIL. SHELL OIL COMPANY, San Francisco, Calif.
Filed September 7, 1935. Serial No. 369,109. PUBLISHED NOVEMBER 5, 1935. Class 15.

332,293. WOMEN'S UNDERWEAR—NAMELY, SLIPS, PANTIES, CHEMISES, NIGHTGOWNS, PAJAMAS, CORSETS, AND BRASSIÈRES. SUSSDORF & FRIEDBERG, INC., New York, N. Y.
Filed September 7, 1935. Serial No. 369,114. PUBLISHED NOVEMBER 12, 1935. Class 39.

332,294. WOMEN'S SHOES, MADE OF FABRIC AND LEATHER AND COMBINATIONS OF FABRIC AND LEATHER. O'CONNOR & GOLDBERG, Chicago, Ill.
Filed September 7, 1935. Serial No. 369,094. PUBLISHED DECEMBER 3, 1935. Class 39.

332,295. BRASSIÈRES, BANDEAUX, CORSETS, CORSELETS, AND GIRDLES. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y.
Filed September 7, 1935. Serial No. 369,087. PUBLISHED NOVEMBER 12, 1935. Class 39.

332,296. WOMEN'S SHOES MADE OF FABRIC AND LEATHER AND COMBINATIONS OF FABRIC AND LEATHER. O'CONNOR & GOLDBERG, Chicago, Ill.
Filed September 7, 1935. Serial No. 369,095. PUBLISHED DECEMBER 3, 1935. Class 39.

332,297. MEN'S, WOMEN'S, AND CHILDREN'S LEATHER AND FABRIC SHOES. ABRAHAM GOODMAN, New York, N. Y.
Filed September 5, 1935. Serial No. 369,038. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,298. LADIES' LEATHER SHOES. SOMERSET SHOE CO., Auburn, Maine.
Filed July 3, 1935. Serial No. 366,967. PUBLISHED OCTOBER 29, 1935. Class 39.

332,299. OSNABURG PIECE GOODS. PACIFIC MILLS, Boston, Mass.
Filed September 5, 1935. Serial No. 369,031. PUBLISHED NOVEMBER 5, 1935. Class 42.

332,300. WOOL AND COTTON PIECE GOODS FABRICS. CONTINENTAL MILLS, INC., Philadelphia, Pa.
Filed September 30, 1935. Serial No. 369,520. PUBLISHED NOVEMBER 26, 1935. Class 42.

332,301. TOWELS. THE MANHATTAN SHIRT CO., New York, N. Y.
Filed October 10, 1934. Serial No. 356,965. PUBLISHED NOVEMBER 19, 1935. Class 42.

332,302. BEVERAGE DISPENSING TAPS. AMERICAN TAP-BURR COMPANY, Detroit, Mich.
Filed June 27, 1935. Serial No. 366,699. PUBLISHED DECEMBER 3, 1935. Class 13.

332,303. BUNKER FUEL OILS. SYLVESTER OIL COMPANY, INC., Mount Vernon, N. Y.
Filed October 3, 1935. Serial No. 369,963. PUBLISHED DECEMBER 3, 1935. Class 15.

332,304. COAL. RED JACKET COAL COMPANY, Columbus, Ohio.
Filed October 3, 1935. Serial No. 369,969. PUBLISHED DECEMBER 3, 1935. Class 1.

332,305. COAL. OLD BEN COAL CORPORATION, Chicago, Ill.
Filed October 3, 1935. Serial No. 369,978. PUBLISHED DECEMBER 3, 1935. Class 1.

332,306. BRISLING SARDINES. ROMANOFF CAVIAR COMPANY, doing business as Tonsea Packing Co., New York, N. Y.
Filed October 5, 1935. Serial No. 370,065. PUBLISHED DECEMBER 3, 1935. Class 46.

332,307. BOWLING PINS. ROSATTO-BARRY-STREET CO., Philadelphia, Pa.
Filed October 4, 1935. Serial No. 370,016. PUBLISHED DECEMBER 3, 1935. Class 22.

332,308. NUMBER GAME PLAYED AFTER THE MANNER OF BINGO OR TIT-TAT-TO. DIV-VY AMUSEMENTS, Inc., Denver, Colo.
Filed October 8, 1935. Serial No. 369,993. PUBLISHED DECEMBER 3, 1935. Class 22.

332,309. CANDY. IRVING L. SPEAR, Boston, Mass.
Filed October 5, 1935. Serial No. 370,067. PUBLISHED DECEMBER 3, 1935. Class 46.

332,310. FURNITURE POLISH AND FLOOR WAX. CARDINAL LABORATORIES, INC., Chicago, Ill.
Filed October 7, 1935. Serial No. 370,072. PUBLISHED DECEMBER 3, 1935. Class 10.

332,311. FRESH GRAPES. AGO BIANCHI, Manteca, Calif.
Filed October 7, 1935. Serial No. 370,079. PUBLISHED DECEMBER 3, 1935. Class 46.

332,312. DOUCHE POWDER AND ANTISEPTIC VAGINAL JELLY. HYGIENIC MANUFACTURING COMPANY, INC., Dallas, Tex.
Filed October 7, 1935. Serial No. 370,101. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,313. EYE WASH OR EYE DROPS. EDWARD L. DESCHLER, doing business as Eye Rest-O Co., Sacramento, Calif.
Filed October 8, 1935. Serial No. 370,138. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,314. FRESH VEGETABLES. J. A. SIMMONS, INC., Salinas, Calif.
Filed October 7, 1935. Serial No. 370,125. PUBLISHED DECEMBER 3, 1935. Class 46.

332,315. CANDY. G. P. BALLACHEY, doing business as Margaret Burnham's Cottage Candies, Oakland, Calif.
Filed August 6, 1935. Serial No. 368,023. PUBLISHED DECEMBER 3, 1935. Class 46.

332,316. NEEDLES, KNITTING PINS AND NEEDLES. CROCHET HOOKS, PINS, AND THIMBLES, ALL FOR HAND USE. JOHN THORNTON & COMPANY, New York, N. Y.
Filed August 14, 1935. Serial No. 368,315. PUBLISHED NOVEMBER 12, 1935. Class 40.

332,317. WOMEN'S, MISSES', MEN'S, AND CHILDREN'S SHOES MADE OF LEATHER OR FABRIC, OR A COMBINATION OF LEATHER AND FABRIC. FRANKLIN SIMON & CO. INC., New York, N. Y.
Filed August 14, 1935. Serial No. 368,309. PUBLISHED OCTOBER 29, 1935. Class 39.

332,318. LAUNDRY BAGS, LAUNDRY NETS, PADDING FOR LAUNDRY IRONING MACHINES AND PRESSES MADE OF FELT, FLANNEL, OR WOVEN COTTON OR WOOL COVERING FOR LAUNDRY IRONERS AND PRESSES MADE OF WOOL, CLOTH, COTTON SHEETING, OR DUCK. MERCHANTS CHEMICAL COMPANY, INC., New York, N. Y.
Filed August 13, 1935. Serial No. 368,265. PUBLISHED DECEMBER 3, 1935. Class 24.

332,319. CHEMICAL SOLUTION FOR WATERPROOFING AND PRESERVING CLOTH, CANVAS, LEATHER, CEMENT, OR WOOD, OR ANYTHING MADE OF SUCH MATERIALS. PROTECTION PRODUCTS MANUFACTURING COMPANY, Detroit and Kalamazoo, Mich.
Filed August 19, 1935. Serial No. 368,453. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,320. ESPECIALLY COMPOUNDED BUTANE GASEOUS FUEL SOLD IN SHIPPING DRUMS, PORTABLE CONTAINERS, AND BY WAY OF DELIVERY TRUCKS, FOR USE IN INDIVIDUAL BUILDING AND HOUSEHOLD STORAGE APPARATUS FOR COOKING, LIGHTING, FUEL, AND OTHER PURPOSES IN THE HOME AND BUILDING. HYDRO-GAS COMPANY, INC., San Antonio, Tex.
Filed August 17, 1935. Serial No. 368,416. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,321. HAIR TONIC AND DANDRUFF REMOVER. LOUIS VOLAS, doing business as Actina Hair Tonic Company, Canton, Ohio.
Filed August 14, 1935. Serial No. 368,314. PUBLISHED DECEMBER 3, 1935. Class 6.

332,322. LADIES', MISSES', AND CHILDREN'S HATS. B. SIMS CORPORATION, New York, N. Y.
Filed August 27, 1935. Serial No. 368,758. PUBLISHED NOVEMBER 19, 1935. Class 39.

332,323. SLIPPERS MADE OF LEATHER AND/OR CLOTH. THE FLORSHEIM SHOE COMPANY, Chicago, Ill.
Filed August 20, 1935. Serial No. 368,545. PUBLISHED DECEMBER 3, 1935. Class 39.

332,324. CIGARS, CIGARETTES, AND CUT TOBACCO. PARTICULARES, S. A., Vedado, Habana, Cuba.
Filed August 23, 1935. Serial No. 368,577. PUBLISHED DECEMBER 3, 1935. Class 17.

332,325. NON-ELECTRICAL HAIR CURLERS. PHILLIS CUNNINGHAM, New York, N. Y.
Filed August 24, 1935. Serial No. 368,656. PUBLISHED DECEMBER 3, 1935. Class 40.

332,326. COTTON PIECE GOODS. WILMERDING & BISSET, New York, N. Y.
Filed August 26, 1935. Serial No. 368,722. PUBLISHED NOVEMBER 19, 1935. Class 42.

332,327. WOMEN'S DRESSES, COATS, WRAPS, CAPES, HATS, BLOUSES, UNDERWEAR, SLIPS, NIGHTGOWNS, AND PAJAMAS. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed August 28, 1935. Serial No. 368,773. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,328. BOOTS AND SHOES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. FREEMAN SHOE CORPORATION, Beloit, Wis.
Filed August 28, 1935. Serial No. 368,774. PUBLISHED NOVEMBER 12, 1935. Class 39.

332,329. CABINET CIGARS. ESTABROOK & EATON COMPANY, Boston, Mass.
Filed August 22, 1935. Serial No. 368,564. PUBLISHED DECEMBER 3, 1935. Class 17.

332,330. OIL BURNERS AND OIL BURNING HEATING STOVES AND COOKING RANGES. MOTOR WHEEL CORPORATION, Lansing, Mich.
Filed July 25, 1935. Serial No. 367,676. PUBLISHED DECEMBER 3, 1935. Class 34.

332,331. TAFFETA. CHARLES BLOOM, INC., New York, N. Y.
Filed July 26, 1935. Serial No. 367,705. PUBLISHED NOVEMBER 26, 1935. Class 42.

332,332. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE CO., St. Louis, Mo.
Filed August 27, 1935. Serial No. 368,745. PUBLISHED OCTOBER 29, 1935. Class 39.

332,333. PERFUMES; TOILET PREPARATIONS—NAMELY, TOILET WATERS, TOILET CREAMS, SKIN LOTIONS, TOILET POWDERS, ROUGES, COMPACTS, LIPSTICK, EYE SHADOW; BATH SALTS AND BATH OILS; BRILLIANTINE, HAIR TONICS, AND SHAMPOOS; AND TOOTH PASTES AND TOOTH POWDERS. PALMERS LIMITED, Montreal, Quebec, Canada.
Filed July 11, 1935. Serial No. 367,167. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,334. SHOES MADE OF LEATHER, RUBBER, CANVAS, FABRIC, OR COMPOSITIONS, OR COMBINATIONS THEREOF. EBY SHOE CORPORATION, Ephrata, Pa.
Filed July 25, 1935. Serial No. 367,661. PUBLISHED NOVEMBER 12, 1935. Class 39.

332,335. MEN'S HATS, NECKTIES, AND MUFFLERS. ROBERT HAT CORPORATION, New York, N. Y.
Filed August 24, 1935. Serial No. 368,606. PUBLISHED OCTOBER 29, 1935. Class 39.

332,336. BRIDAL AND CONFIRMATION VEIL OUTFITS COMPRISING A COMBINED VEIL AND WREATH. MARIE DORROS INC., New York, N. Y.
Filed August 20, 1935. Serial No. 368,504. PUBLISHED NOVEMBER 26, 1935. Class 42.

332,337. WINES. MON-AMI, INCORPORATED, Sandusky, Ohio.
Filed August 29, 1935. Serial No. 368,828. PUBLISHED DECEMBER 3, 1935. Class 47.

332,338. SILK PIECE GOODS. CONNECTICUT LACE WORKS, INC., doing business as Muller Gloria Mills, Norwalk, Conn.
Filed July 11, 1935. Serial No. 367,155. PUBLISHED NOVEMBER 19, 1935. Class 42.

332,339. WOMEN'S LEATHER SHOES, FABRIC SHOES, AND SHOES OF LEATHER AND FABRIC. SCHOLNICK SHOE CO., Boston Mass.
Filed August 19, 1935. Serial No. 368,458. PUBLISHED OCTOBER 29, 1935. Class 39.

332,340. STEEL IN BARS, BILLETS, AND SHAPES. THE CARPENTER STEEL COMPANY, Reading, Pa.
Filed September 20, 1935. Serial No. 369,523. PUBLISHED DECEMBER 3, 1935. Class 14.

332,341. LEATHER RIDING BOOTS AND RIDING SHOES FOR MEN AND WOMEN, BOYS, AND GIRLS; MILITARY DRESS BOOTS, FIELD AND SERVICE BOOTS, JODHPUR AND RIDING SHOES; KNITTED FABRIC GLOVES, LEATHER BELTS FOR PERSONAL WEAR, AND PUTTEES. COLT-CROMWELL CO., INC., New York, N. Y.
Filed May 25, 1935. Serial No. 365,860. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,342. WOOLEN PIECE GOODS. STONEKIRK WORSTED COMPANY, New York, N. Y.
Filed August 20, 1935. Serial No. 368,490. PUBLISHED OCTOBER 29, 1935. Class 42.

332,343. LEATHER SHOES. HENRY A. MEERS, Chicago, Ill.
Filed June 24, 1935. Serial No. 366,600. PUBLISHED NOVEMBER 19, 1935. Class 39.

332,344. BONDED BODIES OR ARTICLES COMPOSED ESSENTIALLY OF VEGETABLE FIBERS USED FOR BUFFING PURPOSES OR FOR SUPPORTING ABRASIVE MATERIALS. COLUMBIAN ROPE COMPANY, Auburn, N. Y.
Filed June 1, 1935. Serial No. 365,606. PUBLISHED DECEMBER 3, 1935. Class 4.

332,345. CANNED CORNED BEEF, AND CANNED CORNED BEEF HASH. THE RATH PACKING COMPANY, Waterloo, Iowa.
Filed May 31, 1935. Serial No. 365,661. PUBLISHED DECEMBER 3, 1935. Class 46.

332,346. CANNED MIXTURE OF SPICED PORK AND BEEF. THE RATH PACKING COMPANY, Waterloo, Iowa.
Filed May 31, 1935. Serial No. 365,660. PUBLISHED DECEMBER 3, 1935. Class 46.

332,347. SHEETS AND PILLOW CASES. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed September 16, 1935. Serial No. 369,272. PUBLISHED NOVEMBER 19, 1935. Class 42.

332,348. WINES. Louis M. GOLDBERG, New York, N. Y.
Filed September 16, 1935. Serial No. 369,355. PUBLISHED DECEMBER 3, 1935. Class 47.

332,349. FRESH CITRUS FRUIT. ANAHEIM COMMUNITY GROWERS, Anaheim, Calif.
Filed September 16, 1935. Serial No. 369,323. PUBLISHED DECEMBER 3, 1935. Class 46.

332,350. LEATHER DRESSING. THE KEPSO COMPANY, Milwaukee, Wis.
Filed July 29, 1935. Serial No. 367,794. PUBLISHED DECEMBER 3, 1935. Class 4.

332,351. STAPLING MACHINES OF THE DESK AND TACKER TYPES, AND STAPLES THEREFOR. ACE FASTENER CORPORATION, Chicago, Ill.
Filed September 19, 1935. Serial No. 369,468. PUBLISHED DECEMBER 3, 1935. Class 87.

332,352. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed September 17, 1935. Serial No. 369,402. PUBLISHED NOVEMBER 19, 1935. Class 42.

332,353. APRONS AND BATHING CAPS. BAND RUBBER COMPANY, INC., Brooklyn, N. Y.
Filed July 31, 1935. Serial No. 367,886. PUBLISHED OCTOBER 29, 1935. Class 39.

332,354. SHOES AND SLIPPERS FOR MEN, WOMEN, AND CHILDREN, MADE OUT OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. CAMMEYER SHOE SHOPS, INC., New York, N. Y.
Filed August 30, 1935. Serial No. 368,536. PUBLISHED NOVEMBER 19, 1935. Class 39.

332,355. DRESSES, SUITS, BLOUSES, SWEATERS, CAPES, OUTER SKIRTS, SHAWLS, HANDKERCHIEFS, BATH ROBES, PAJAMAS, NEGLIGEES, AND UNDERWEAR—NAMELY, PETTICOATS, CORSETS, ETC. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany.
Filed July 30, 1935. Serial No. 367,625. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,356. TOMATO CATSUP AND TOMATO PURÉE; CHILI SAUCE, TOMATO JUICE, CANNED VEGETABLES. NORMAN W. STEWART, doing business as Bridgeton Canning Co., Bridgeton, N. J.
Filed August 9, 1935. Serial No. 366,187. PUBLISHED DECEMBER 3, 1935. Class 46.

332,357. DRY AND READY MIXED PAINTS, PAINT ENAMELS, STAINS, LACQUERS, AND VARNISHES. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio.
Filed October 16, 1935. Serial No. 370,424. PUBLISHED DECEMBER 3, 1935. Class 16.

332,358. DRY AND READY MIXED PAINTS, PAINT ENAMELS, STAINS, LACQUERS, AND VARNISHES. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio.
Filed October 16, 1935. Serial No. 370,428. PUBLISHED DECEMBER 3, 1935. Class 16.

332,359. LAXATIVE PREPARATION TO BE USED FOR RELIEF OF CONSTIPATION. PAULINE S. FOCAD, doing business as The Jamit Company, Kenhonkson, N. Y.
Filed October 15, 1935. Serial No. 370,301. PUBLISHED DECEMBER 3, 1935. Class 6.

332,360. MEDICINAL PREPARATION USED IN THE TREATMENT OR PREVENTION OF COLDS AND AFFECTIONS OF THE THROAT AND NASAL PASSAGES. VICK CHEMICAL COMPANY, Philadelphia, Pa.
Filed October 14, 1935. Serial No. 370,269. PUBLISHED DECEMBER 3, 1935. Class 6.

332,361. NON-ALCOHOLIC MALTLESS SYRUPS FOR MAKING SOFT DRINKS AND AS MIXERS. S. E. RYKOFF & COMPANY, Los Angeles, Calif.
Filed October 14, 1935. Serial No. 370,262. PUBLISHED DECEMBER 3, 1935. Class 45.

332,362. BUTTER. BEATRICE CREAMERY COMPANY, Chicago, Ill.
Filed October 12, 1935. Serial No. 370,223. PUBLISHED DECEMBER 3, 1935. Class 46.

332,363. CANNED FISH. INTERNATIONAL BROKERAGE COMPANY, Minneapolis, Minn.
Filed September 20, 1935. Serial No. 369,534. PUBLISHED DECEMBER 3, 1935. Class 46.

332,364. PHYSIOTHERAPEUTIC DEVICES, ESPECIALLY THOSE USED FOR ADMINISTERING OXYGEN. PERRY M. THOMAS, Elgin, Ill.
Filed October 11, 1935. Serial No. 370,231. PUBLISHED DECEMBER 3, 1935. Class 44.

332,365. MEDICINAL PREPARATION FOR TREATMENT OF TINEA TRICHOPHYTON. WM. C. RAST, doing business as Ath-O-Cide Laboratories, Tacoma, Wash.
Filed October 11, 1935. Serial No. 370,272. PUBLISHED DECEMBER 3, 1935. Class 6.

332,366. INFANTS' COATS, DRESSES, HATS, AND SHOES. SAKS & COMPANY, New York, N. Y.
Filed August 6, 1935. Serial No. 368,053. PUBLISHED OCTOBER 29, 1935. Class 39.

332,367. WRIST WATCH STRAPS OF LEATHER. COWEN BROS., New York, N. Y.
Filed March 22, 1935. Serial No. 362,810. PUBLISHED NOVEMBER 19, 1935. Class 49.

332,368. DIETARY REDUCING FOOD IN POWDERED FORM. CREMETTE FOODS CORPORATION, Chicago, Ill.
Filed May 11, 1935. Serial No. 364,362. PUBLISHED DECEMBER 3, 1935. Class 46.

332,369. LATEX BABY PANTS. INTERNATIONAL LATEX CORPORATION, Rochester, N. Y.
Filed April 24, 1935. Serial No. 364,127. PUBLISHED DECEMBER 3, 1935. Class 39.

332,370. BLEACHING MATERIAL. PYLAM PRODUCTS COMPANY, INC., New York, N. Y.
Filed April 19, 1935. Serial No. 363,994. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,371. LUBRICATING OILS AND GREASES AND LUBRICATING OIL AND GREASE COMPOUNDS. W. R. ARTHUR & COMPANY, INC., Chicago, Ill.
Filed March 22, 1934. Serial No. 349,962. PUBLISHED NOVEMBER 26, 1935. Class 15.

332,372. GASOLINE, LUBRICATING OILS, AND LUBRICATING GREASES. ATLANTIC BASIN OIL CO. INC., Brooklyn, N. Y.
Filed February 14, 1934. Serial No. 347,336. PUBLISHED JUNE 5, 1934. Class 15.

332,373. BREAD. GOLD MEDAL BAKING COMPANY, INC., Philadelphia, Pa.
Filed December 28, 1932. Serial No. 345,295. PUBLISHED AUGUST 6, 1935. Class 46.

332,374. METALLIC WELDING ELECTRODES. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio.
Filed September 26, 1934. Serial No. 356,442. PUBLISHED DECEMBER 3, 1935. Class 14.

332,375. BACON, HAMS, AND PICNIC HAMS. THE RATH PACKING COMPANY, Waterloo, Iowa.
Filed September 24, 1934. Serial No. 356,378. PUBLISHED DECEMBER 3, 1935. Class 46.

332,376. CANNED VEGETABLES. H. A. CRADDOCK, doing business as Craddock Canning & Produce Company, Newbern, Tenn.
Filed September 4, 1935. Serial No. 368,975. PUBLISHED DECEMBER 3, 1935. Class 46.

332,377. WINES. FRANEE & Co., INC., New Orleans, La.
Filed September 3, 1935. Serial No. 368,980. PUBLISHED DECEMBER 3, 1935. Class 47.

332,378. MEN'S COATS, VESTS, PANTS, OVERCOATS, TOP COATS, SWEATERS, HATS, CAPS, NECKTIES; DRESS, NEGLIGEE, AND UNDER SHIRTS OF KNITTED AND TEXTILE FABRIC, ETC. FINCHLEY INC., New York, N. Y.
Filed September 4, 1935. Serial No. 368,970. PUBLISHED OCTOBER 29, 1935. Class 39.

332,379. FACIAL TISSUES. THE STERILEK COMPANY INC., Brooklyn, N. Y.
Filed October 17, 1935. Serial No. 370,479. PUBLISHED DECEMBER 3, 1935. Class 37.

332,380. FACIAL AND TOILET TISSUES. THE STERILEK COMPANY INC., Brooklyn, N. Y.
Filed October 17, 1935. Serial No. 370,478. PUBLISHED DECEMBER 3, 1935. Class 37.

332,381. ICE CREAM FREEZERS. SIMMONS HARDWARE COMPANY, St. Louis, Mo.
Filed October 24, 1935. Serial No. 370,779. PUBLISHED DECEMBER 3, 1935. Class 31.

332,382. TOOTH BRUSHES AND HAIR BRUSHES. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed October 22, 1935. Serial No. 370,735. PUBLISHED DECEMBER 3, 1935. Class 39.

332,383. WHEAT FLOUR. DOBRY FLOUR MILLS, INC., Yukon, Okla.
Filed September 3, 1935. Serial No. 368,822. PUBLISHED DECEMBER 3, 1935. Class 46.

332,384. WHEAT FLOUR. DOBRY FLOUR MILLS, INC., Yukon, Okla.
Filed September 3, 1935. Serial No. 368,824. PUBLISHED DECEMBER 3, 1935. Class 46.

332,385. BRASSIÈRES AND FOUNDATION GARMENTS. THE FRANKLY CO., Chicago, Ill.
Filed September 9, 1935. Serial No. 369,029. PUBLISHED OCTOBER 29, 1935. Class 39.

332,386. MULCH AND FERTILIZING TOP DRESSING FOR SOIL. LOU R. STRAUSS, JR., New York, N. Y.
Filed August 30, 1935. Serial No. 368,668. PUBLISHED DECEMBER 3, 1935. Class 10.

332,387. RAISIN BREAD. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif.
Filed August 30, 1935. Serial No. 368,670. PUBLISHED DECEMBER 3, 1935. Class 46.

332,388. WHEAT FLOUR. DOBRY FLOUR MILLS, INC., Yukon, Okla.
Filed September 3, 1935. Serial No. 368,822. PUBLISHED DECEMBER 3, 1935. Class 46.

332,389. SHOES MADE OF LEATHER, RUBBER OR FABRIC AND/OR COMBINATIONS OF THESE MATERIALS, AND HOSIERY. SHOECRAFT, INC., New York, N. Y.
Filed July 18, 1935. Serial No. 367,449. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,390. BASKET BALL SHOES. A. G. SPALDING & BROS., New York, N. Y.
Filed July 25, 1935. Serial No. 367,688. PUBLISHED NOVEMBER 12, 1935. Class 39.

332,391. LADIES' LEATHER GLOVES. MOSS STORES, INC., San Francisco, Calif.
Filed August 30, 1935. Serial No. 368,555. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,392. RUBBER AND FABRIC SHOES. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed July 5, 1935. Serial No. 367,008. PUBLISHED DECEMBER 3, 1935. Class 39.

332,393. LADIES' HATS AND SCARFS. HENRY BLEECK, New York, N. Y.
Filed June 29, 1935. Serial No. 366,804. PUBLISHED DECEMBER 3, 1935. Class 39.

332,394. WORK GLOVES AND WORK MITTENS OF FABRIC, LEATHER, AND COMBINATIONS THEREOF. INDIANAPOLIS GLOVE COMPANY, Indianapolis, Ind.
Filed June 25, 1935. Serial No. 366,619. PUBLISHED DECEMBER 3, 1935. Class 39.

332,395. LEATHER AND FABRIC SHOES AND FOR CORSETS, BRASSIÈRES, FOUNDATION GARMENTS, GIRDLES, BANDEAUS, SLIPS, CHEMISES, NIGHTGOWNS, PAJAMAS, GARTERS, ETC. LILYAN MALMSTRAD, Worcester, Mass.
Filed June 5, 1935. Serial No. 365,807. PUBLISHED NOVEMBER 12, 1935. Class 39.

332,396. DRESSINGS FOR SHOES, AND FOR LEATHER, LEATHER SUBSTITUTES, AND FABRIC. WHITTEMORE BROS. CORP., Cambridge, Mass.
Filed September 24, 1935. Serial No. 369,669. PUBLISHED DECEMBER 3, 1935. Class 4.

332,397. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE CO., St. Louis, Mo.
Filed September 25, 1935. Serial No. 369,608. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,398. METALLIC SHEET MATERIAL—NAMELY, FOIL. REYNOLDS METALS COMPANY INC., New York, N. Y.
Filed October 21, 1935. Serial No. 370,628. PUBLISHED DECEMBER 3, 1935. Class 14.

332,399. WOMEN'S SHOES OF LEATHER AND FABRIC, AND A COMBINATION OF THESE MATERIALS. THE SMART SHOE COMPANY, Portsmouth, Ohio.
Filed September 25, 1935. Serial No. 369,717. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,400. DRESS SHIELDS. BAND RUBBER COMPANY, INC., Brooklyn, N. Y.
Filed September 21, 1935. Serial No. 369,503. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,401. WINES. BROOKLYN WINE CELLARS, INC., Brooklyn, N. Y.
Filed October 19, 1935. Serial No. 370,541. PUBLISHED DECEMBER 3, 1935. Class 47.

332,402. TOILET SOAP, GRANULATED SOAP, SHAVING CREAM AND BRUSHLESS SHAVING CREAM. LOS ANGELES SOAP CO., Los Angeles, Calif.
Filed October 18, 1935. Serial No. 370,518. PUBLISHED DECEMBER 3, 1935. Class 4.

332,403. CHRISTMAS TREE DECORATIONS. KUHMASKES WAXED PAPER CO. INC., New York, N. Y.
Filed October 18, 1935. Serial No. 370,517. PUBLISHED DECEMBER 3, 1935. Class 50.

332,404. INDUSTRIAL PAINT. THE HARRINGTON PAINT CO., INC., East Cleveland, Ohio.
Filed September 23, 1935. Serial No. 369,610. PUBLISHED DECEMBER 3, 1935. Class 16.

332,405. CIGARS. THE ANTONIO COMPANY, INC., Tampa, Fla.
Filed September 21, 1935. Serial No. 369,558. PUBLISHED DECEMBER 3, 1935. Class 17.

332,406. PAPER CAPS IN ROLLS FOR TOY PISTOLS. THE KILGORE MANUFACTURING COMPANY, Westerville, Ohio.
Filed November 4, 1935. Serial No. 371,167. PUBLISHED DECEMBER 10, 1935. Class 9.

332,407. NONFERROUS ALLOYS—PARTICULARLY, CASTING METAL. FEDERATED METALS CORPORATION, New York, N. Y.
Filed October 26, 1935. Serial No. 370,830. PUBLISHED DECEMBER 3, 1935. Class 14.

332,408. PYROPHYLITE AND FELDSPAR. TENNESSEE MINERAL PRODUCTS CORPORATION, New York, N. Y.
Filed October 26, 1935. Serial No. 370,838. PUBLISHED DECEMBER 3, 1935. Class 1.

332,409. DROPPERS AND ATOMIZERS. STANCO INCORPORATED, New York, N. Y.
Filed October 28, 1935. Serial No. 370,905. PUBLISHED DECEMBER 3, 1935. Class 44.

332,410. PAINTS (READY MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, LACQUERS, JAPANS, VARNISHES, STAINS, PAINT FILLERS, KALSOMINE, WATER PAINTS, WHITE LEAD, DRY PAINT COLORS, AND PAINT PIGMENTS. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed October 16, 1935. Serial No. 370,435. PUBLISHED DECEMBER 3, 1935. Class 16.

332,411. WOVEN AND KNITTED FABRICS OF WOOL, WORSTED, COTTON, SILK, RAYON, RABBITS' HAIR, MOHAIR, AND OTHER ANIMAL AND VEGETABLE FIBERS, OR OF MIXTURES OF THESE MATERIALS; AUTOMOBILE BLANKETS AND AUTOMOBILE ROBES MADE OF TEXTILE MATERIALS; AND HANDKERCHIEFS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed November 22, 1934. Serial No. 358,539. PUBLISHED NOVEMBER 19, 1935. Class 42.

332,412. BOARD GAME PLAYED WITH MOVABLE PIECES. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed October 30, 1935. Serial No. 370,999. PUBLISHED DECEMBER 3, 1935. Class 22.

332,413. CORSETS AND BUST-BODICES, BRASSIÈRES, AND GIRDLES. SOC. CADOLLE FRERES, Paris, France.
Filed December 4, 1934. Serial No. 358,898. PUBLISHED OCTOBER 29, 1935. Class 39.

332,414. LUBRICATING OIL AND GREASES. JACOB BROTHERS, INC., Bridgeport, Conn.
Filed February 13, 1935. Serial No. 361,358. PUBLISHED NOVEMBER 19, 1935. Class 15.

332,415. EAU DE COLOGNE, LAVENDER WATER, HAIR WASHES, PERFUMES, BRILLIANTINE, DEPILATORY, SHAMPOO POWDER, HAIR OIL, MOUTH WASH, ETC. Felix Mülhens, Inc., New York, N. Y., assignee to Felix Peter Mülhens, doing business under firm name of Eau de Cologne & Parfumerie-Fabrik "Gloriagasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne, Germany.
Filed January 31, 1935. Serial No. 360,896. PUBLISHED DECEMBER 3, 1935. Class 6.

332,416. BOYS' SUITS, TOPCOATS, OVERCOATS, RAINCOATS, HATS AND CAPS OF CLOTH OR FABRIC, (NOT INCLUDING BEACH HATS); WASH SUITS, OUTER SHIRTS, BLOUSES, SWEATERS, KNEE PANTS, KNICKERS, LONG PANTS, UNDERWEAR, PAJAMAS, LUMBERJACKS, AND LEATHER AND CANVAS SHOES, LEATHER AND FABRIC SHOES WITH RUBBER SOLES AND HEELS, RUBBERS AND RUBBER OVERSHOES. JACK ROSENBLOOM, doing business as National Boys Magikians, New York, N. Y., assignor to National Boys Magikians Inc., New York, N. Y., a corporation of New York.
Filed February 14, 1935. Serial No. 361,402. PUBLISHED NOVEMBER 5, 1935. Class 39.

332,417. ASBESTOS MITTS, APRONS, LEGGINGS, PANTS, COATS, AND HELMETS PARTICULARLY ADAPTED FOR USE OF MEN. Fenwo Engineering Corporation, Cleveland, Ohio.
Filed March 14, 1935. Serial No. 362,412. PUBLISHED OCTOBER 29, 1935. Class 39.

332,418. TALCUM POWDER, FACE POWDER, AND AFTER-SHAVE LOTION. WALGREEN CO., Chicago, Ill.
Filed March 11, 1935. Serial No. 362,302. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,419. SILICON CARBIDE USED AS AN ADDITION AGENT FOR IRON AND STEEL IN GRANULAR AND BRIQUETTE FORM. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y.
Filed April 19, 1935. Serial No. 362,906. PUBLISHED DECEMBER 3, 1935. Class 1.

332,420. CANNED FRUITS, CANNED VEGETABLES, CANNED SHRIMP, CANNED GRAPEFRUIT JUICE, CRANBERRY SAUCE, CANNED APPLESAUCE, FRUIT COCKTAIL, CANNED FRUITS FOR SALAD, CANNED BERRIES. Gerber Bros., Brooklyn, N. Y.
Filed April 2, 1935. Serial No. 362,321. PUBLISHED DECEMBER 3, 1935. Class 46.

332,421. PAINT RENEWER IN THE FORM OF A PAINT OR VARNISH AND A FURNITURE POLISH WHICH ACTS AS A RENEWER FOR VARNISHED OR PAINTED ARTICLES. WALTER BECKER, JR., doing business as Waldan Manufacturing Company, Racine, Wis.
Filed March 1, 1935. Serial No. 362,155. PUBLISHED DECEMBER 3, 1935. Class 16.

332,422. VITAMINIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed October 9, 1935. Serial No. 370,593. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,423. OUTDOOR GAME CHARACTERISED BY A PLAYING FIELD INCLUDING NUMERICALLY DISTINGUISHABLE HOLES, SAID GAME BEING PLAYED WITH BALLS AND SPECIAL CLUBS. ELMER E. HOSIER, Delaware Water Gap, Pa.
Filed October 9, 1935. Serial No. 370,183. PUBLISHED DECEMBER 3, 1935. Class 22.

332,424. NON-ALCOHOLIC MALTLESS FRUIT JUICE BEVERAGES, SOLD AS SOFT DRINKS. MISSION DRY CORPORATION, Los Angeles, Calif.
Filed October 7, 1935. Serial No. 370,164. PUBLISHED DECEMBER 3, 1935. Class 45.

332,425. BANK NOTES, CHECKS, AND DRAFTS, SOLD TO THE TRADE AS SUCH. DENNISON & SONS, Long Island City, N. Y.
Filed October 16, 1935. Serial No. 370,213. PUBLISHED DECEMBER 3, 1935. Class 37.

332,426. CONCENTRATED BASE FOR INSECT DESTROYING SPRAYS. ROBERT C. WHITE COMPANY, Philadelphia and Falls of Schuylkill, Pa.
Filed October 5, 1935. Serial No. 370,393. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,427. APPLIANCES FOR STERILIZING THE ATMOSPHERE. W. & F. WALKER LIMITED, Liverpool, England.
Filed October 5, 1935. Serial No. 370,301. PUBLISHED DECEMBER 3, 1935. Class 44.

332,428. FIBROUS PACKING STRIPS FOR DENTAL USE. THE L. D. CAULK COMPANY, Milford, Del.
Filed October 14, 1935. Serial No. 370,345. PUBLISHED DECEMBER 3, 1935. Class 44.

332,429. TABLETS CONTAINING BORIC ACID, ZINC SULPHATE, ZINC PHENOLSULPHONATE, PHENOL, HYDROSTINE HYDROCHLORIDE, EUCALYPTOL, THYMOL, MENTHOL, AND OIL SWEET BIRCH FOR USE AS AN ASTRINGENT, ANTISEPTIC, AND A DEODORANT SOLUTION. THE G. F. HARVEY COMPANY, Saratoga Springs, N. Y.
Filed October 16, 1935. Serial No. 370,218. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,430. WATCH CRYSTALS. HAMMEL, RIGLANDER & Co. INC., New York, N. Y.
Filed October 10, 1935. Serial No. 370,217. PUBLISHED DECEMBER 3, 1935. Class 32.

332,431. COPPER. STANDARD BRASS INCORPORATED, New York, N. Y.
Filed October 2, 1935. Serial No. 369,933. PUBLISHED DECEMBER 3, 1935. Class 49.

332,432. COMPOUNDS FOR POLISHING AND LUBRICATING LEATHER. VITALEX PROCESS COMPANY, Philadelphia, Pa.
Filed October 2, 1935. Serial No. 369,938. PUBLISHED DECEMBER 3, 1935. Class 4.

332,433. OZONE GENERATING MACHINES. THE ELECTROAIRE CORPORATION, Chicago, Ill.
Filed October 3, 1935. Serial No. 369,960. PUBLISHED DECEMBER 3, 1935. Class 34.

332,434. BUTTONS OF A MOLDED PLASTIC MATERIAL OTHER THAN PRECIOUS METALS. ROCHESTER BUTTON COMPANY, Rochester, N. Y.
Filed October 1, 1935. Serial No. 369,896. PUBLISHED NOVEMBER 26, 1935. Class 40.

332,435. ABRASIVE IMPLEMENTS USED IN MANICURING THE NAILS. HAMILTON C. BATES, doing business as C. J. Bates & Sons, Chester, Conn.
Filed October 2, 1935. Serial No. 369,906. PUBLISHED DECEMBER 3, 1935. Class 44.

332,436. SPECIAL FORMULA OINTMENT FOR ECZEMA AND OTHER SKIN DISEASES, CHILDREN'S COUGH MEDICINE, EMULSIONS OF COD-LIVER OIL, CORN MEDICINE, EPSOM SALTS, ETC. GOLD'S DRUG STORES, Jersey City, N. J.
Filed October 2, 1935. Serial No. 369,917. PUBLISHED DECEMBER 3, 1935. Class 6.

332,437. SHOOTING COATS, SHOOTING JACKETS, AND SHOOTING GLOVES. HOWARD SMITH, doing business as 10-X Products, Des Moines, Iowa.
Filed September 30, 1935. Serial No. 369,862. PUBLISHED DECEMBER 3, 1935. Class 39.

332,438. DUSTING POWDER, TALCUM POWDER, BATH SALTS, BATH OIL, EAU DE COLOGNE, TOILET WATER, PERFUME, FACE POWDER, ROUGE, LIPSTICKS, SACHET, AND SHAVING LOTIONS. GENERAL COSMETICS CORPORATION, New York, N. Y.
Filed October 1, 1935. Serial No. 369,883. PUBLISHED DECEMBER 3, 1935. Class 6.

332,439. BUTTER. LOWRY-ROSSMAN COMPANY, doing business as Alfred Lowry & Bro., Philadelphia, Pa.
Filed September 30, 1935. Serial No. 369,853. PUBLISHED DECEMBER 3, 1935. Class 46.

332,440. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed September 28, 1935. Serial No. 369,811. PUBLISHED DECEMBER 3, 1935. Class 40.

332,441. FRUIT JUICES USED FOR FOOD PURPOSES. MISSION DRY CORPORATION, Los Angeles, Calif.
Filed September 28, 1935. Serial No. 369,820. PUBLISHED DECEMBER 3, 1935. Class 46.

332,442. MOTOR FUEL OILS, GASOLINE, BURNING OILS, AND LUBRICATING OILS AND GREASES. LEO CORPORATION, Chicago, Ill.
Filed September 30, 1935. Serial No. 369,850. PUBLISHED DECEMBER 3, 1935. Class 15.

332,443. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed September 28, 1935. Serial No. 369,809. PUBLISHED DECEMBER 3, 1935. Class 40.

332,444. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed September 28, 1935. Serial No. 369,810. PUBLISHED DECEMBER 3, 1935. Class 40.

332,445. WIRE FOR WIRE BRUSHES. JOHNSON STEEL & WIRE CO., INC., Worcester, Mass.
Filed September 27, 1935. Serial No. 369,767. PUBLISHED DECEMBER 3, 1935. Class 14.

332,446. LADIES' AND MISSES' HATS. SAM-MOR HAT CO., INC., New York, N. Y.
Filed August 29, 1935. Serial No. 368,819. PUBLISHED NOVEMBER 26, 1935. Class 39.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

332,447. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DE LONG LABORATORIES, INC., doing business as De Long Laboratories, Ltd., Hollywood, Calif. Filed Nov. 29, 1935. Serial No. 372,089.

De Long

For Eye-Lash Make-Up, Eye Shadow, Dry Rouge, Moist Rouge.
Claims use since March, 1933.

332,448. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEVA-WET CORPORATION OF AMERICA, INC., New York, N. Y. Filed Dec. 10, 1935. Serial No. 372,482.

ALL-WETHER

For Preparations, Fluids for Treating Cotton, Wool, Silk, Linen, and Artificial Fabrics, Textiles, Threads, Yarns, Furs, Collotions, Paper, and Fibrous Materials for Rendering Them Water Repellant.
Claims use since Apr. 10, 1933.

332,449. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) WILLIAM A. BROWN, Philadelphia, Pa. Filed Oct. 29, 1935. Serial No. 370,930.

FANLAMP

CONDITIONAIRLITE

For Air Conditioning Devices in the Form of a Portable Standard or Support Carrying Illuminating Means and Vacuum Creating Means to Cause a Flow of Air from the Floor Towards the Ceiling Around the Illuminating Means.
Claims use since July 13, 1933.

332,450. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. H. ELLIS & COMPANY, doing business as Savoree Foods, Clay Center, Nebr. Filed Nov. 16, 1935. Serial No. 371,630.

"SAVOREE"

For Wheat Cereal.
Claims use since Dec. 16, 1934.

332,451. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARION V. REID, doing business as No-D-Ka Laboratories, West Springfield, Mass. Filed Sept. 26, 1935. Serial No. 369,743.

No-D-Ka

For Dentifrices.
Claims use since July 1, 1914.

332,452. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) JAMES M. OBERTI, doing business as Oberti Manufacturing Co., San Francisco, Calif. Filed Sept. 18, 1935. Serial No. 369,455.

"ROLL-CLEAN"

For Floor Sweepers, Furniture Dusters, Mops, Mop Handles, and Floor Brushes.
Claims use since Oct. 26, 1932.

332,453. (CLASS 39. CLOTHING.) LOUIS HIRSCH TEXTILE MACHINES, INC., New York, N. Y. Filed Sept. 17, 1935. Serial No. 369,405.

Claritie

For Hosiery.
Claims use since Oct. 24, 1934.

332,454. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ADVERTISING MOTION DISPLAY CO., Chicago, Ill. Filed Aug. 21, 1935. Serial No. 368,508.

Scene-in-action

For Advertising Devices in the Form of Transparent or Translucent Lighted Displays.
Claims use since July 1, 1924.

332,455. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORTON G. NEUMANN, doing business as Valmor Products Co., Chicago, Ill. Filed June 20, 1935. Serial No. 366,425.

KLEEN-U

For Laxative.
Claims use since Dec. 3, 1934.

332,456. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RALPH C. COOLEY, Houston, Tex. Filed May 10, 1935. Serial No. 364,762.

OVR-COTE

For Dental Preparation for the Specific Purpose of Protecting Silicate Porcelain and Silicate Cement, While Setting, Against the Destructive Action of the Fluids of the Mouth.
Claims use since Nov. 12, 1934.

332,457. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAS. S. PARIS & CO. INC., Yankton, S. Dak. Filed Apr. 2, 1935. Serial No. 363,565.

PARIS

For Preparation for Application to Corns, Callouses, Bunions and Similar Foot Ailments to Relieve Pain and Soreness.
Claims use since Dec. 1, 1934.

332,458. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM F. MACHOTKA, doing business as La Grange Products Co., La Grange, Ill. Filed Mar. 28, 1935. Serial No. 362,109.

CARLSBAD

For Herbs, Teas, and Compounds, and Mixtures Thereof Having Laxative Properties and Used as a Stomachic and Having the Strengthening Properties Thereof.
Claims use since Dec. 5, 1934.

332,459. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SHAWMUT MANUFACTURING CORP., Hartford, Conn. Filed Feb. 18, 1935. Serial No. 361,559.

QUIKTINT

For Coloring, Dyeing, and Tinting Preparations.
Claims use since Nov. 5, 1934.

332,460. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARTUNG BROTHERS, New York, N. Y. Filed Jan. 9, 1935. Serial No. 360,067.

SWIF-TO-SET

For Preparation Adapted to be Mixed with Other Ingredients in Making Icing.
Claims use since Jan. 2, 1935.

332,461. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POLK PACKING ASS'N., Winter Haven, Fla. Filed Dec. 31, 1934. Serial No. 359,812.

BONA FIDE

For Fresh Citrus Fruits.
Claims use since Oct. 31, 1924.

332,462. (CLASS 38. PRINTS AND PUBLICATIONS.) ARTHUR A. DEARING, doing business as Dearing Photo Service, Bloomfield, N. J. Filed Oct. 31, 1934. Serial No. 357,718.

fade-pruf PRINT

For Photographic Prints.
Claims use since Sept. 1, 1934.

332,463. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ELLIOT, GREENE & CO., INC., New York, N. Y. Filed Oct. 18, 1934. Serial No. 357,243.

BEADCRAFT

For Kits Comprising Loom and Accessories—Namely, Beads, Threads, Needles, Clasps, and the Like.
Claims use since June 19, 1934.

TRADE-MARK REGISTRATIONS RENEWED

12,336. PREPARED PAINT. Registered June 23, 1885. HARTMANN, LE DOUX AND MARCHER. Re-newed June 23, 1935, to Red Hand Compositions Company, Inc., New York, N. Y., a corporation of New York, successor.

106,924. CRACKERS, BISCUIT, WAFERS, COOKIES, BREAD, CAKES, CANDIES, PIES, AND CRACKER-MEAL. Registered November 9, 1915. AMERICAN BAKERIES CO. Renewed November 9, 1935, to American Bakeries Company, Atlanta, Ga., a corporation of Georgia, successor.

107,256. A TOILET PREPARATION FOR THE TREATMENT OF THE HAIR AND SCALP. Registered November 16, 1915. ARNOLD FRONEBAUX. Renewed November 16, 1935, to Lillian S. Dodge, New York, N. Y., successor.

107,766. CIGARETTE-PAPER. Registered December 28, 1915. SOCIÉTÉ ANONYME D' EXPLOITATION DES PAPETERIES L. LACROIX FILS, Angoulême, France, Société Anonyme of France. Renewed December 28, 1935.

107,845. CERTAIN NAMED FOODS. Registered December 28, 1915. GRONEWEG & SCHOENTGEN CO., Council Bluffs, Iowa. Renewed December 28, 1935, to Groneweg & Schoentgen Company, a corporation of Iowa.

108,070. CANDY AND ICE-CREAM. Registered January 11, 1916. UNITED CIGAR STORES CO., Jersey City, N. J. Renewed January 11, 1936, to Irving Trust Company, as trustee of the estate of United Cigar Stores Company of America, debtor, New York, N. Y., a corporation of New Jersey, assignee.

108,159. CITRUS FRUITS. Registered January 18, 1916. CRUTCHFIELD & WOOLFOLK, Pittsburgh, Pa., Jacksonville and Orlando, Fla. Renewed January 18, 1936, to American Fruit Growers Incorporated, Pittsburgh, Pa., a corporation of Delaware, assignee.

108,280. SARSAPARILLA, ROOT-BEER, FLAVORING-SYRUPS FOR NON-ALCOHOLIC BEVERAGES, AND SPEARMINT BEVERAGE. Registered January 25, 1916. EMILE A. ZATARAIN, New Orleans, La. Renewed January 25, 1936, to E. A. Zatarain & Sons, Inc., a corporation of Louisiana, assignee.

108,490. GARTERS. Registered February 8, 1916. A. STEIN & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed February 8, 1936.

108,572. HORSE-COLLARS. Registered February 15, 1916. SCHWAHN-SEYBERTH SADDLERY CO., Eau Claire, Wis. Renewed February 15, 1936, to The Schwahn-Seyberth Co., a corporation of Wisconsin, by change of name.

108,578. A TONIC MEDICINAL PREPARATION FOR CERTAIN NAMED DISEASES. Registered February 15, 1916. THE SYDNEY ROSS CO., New York, N. Y. Renewed February 15, 1936 to Sydney Ross Co., Newark, N. J., a corporation of New Jersey.

108,591. PHOTOGRAPHIC FILM. Registered February 15, 1916. EASTMAN KODAK CO., Rochester, N. Y. Renewed February 15, 1936, to The Folmer Graflex Corporation, a corporation of Delaware, assignee.

108,750. CERTAIN NAMED FOODS. Registered February 22, 1916. EMILE A. ZATARAIN, New Orleans, La. Renewed February 22, 1936, to E. A. Zatarain & Sons, Inc., a corporation of Louisiana, assignee.

108,790. LINOLEUM FLOOR-CLOTHS AND OIL-CLOTH. Registered February 29, 1916. THE LINOLEUM MANUFACTURING COMPANY, LIMITED, London, England. Renewed February 29, 1936, to Linoleum Manufacturing Company, Limited, an organized company of Great Britain, assignee.

108,938. A COFFEE PARTIALLY FREED FROM CAFFEIN. Registered March 7, 1916. KAFFEE HAG CORPORATION, New York, N. Y. Renewed March 7, 1936, to Kaffee Hag Corporation, Battle Creek, Mich., a corporation of Ohio, successor.

109,134. A MEDICINAL PREPARATION. Registered March 21, 1916. SA-TAN-IC MEDICINE CO., Wichita, Kans. Renewed March 21, 1936, to Sa-Tan-Ic Medicine & Manufacturing Company, a corporation of Kansas, assignee.

109,186. CERTAIN NAMED METALS AND METAL CASTINGS AND FORGINGS. Registered March 28, 1916. NORTH AMERICAN COPPER CO. Renewed March 28, 1936, to Atlantic Elne Works, Inc., New York, N. Y., a corporation of New York, assignee.

109,456. COFFEE. Registered April 11, 1916. GULF CITY COFFEE COMPANY, Pensacola, Fla., a corporation of Florida. Renewed April 11, 1936.

109,528. RYE-FLOUR. Registered April 11, 1916. FEDERAL MILLING COMPANY, Lockport, N. Y. Renewed April 11, 1936, to Federal Mill, Inc., a corporation of New York, assignee, by mesne assignments.

109,533. HOG-CHOLERA SERUM AND HOG-CHOLERA VIRUS. Registered April 11, 1916. CLYDE W. HEVNER, Franklin, Nebr. Renewed April 11, 1936, to Clyde W. Hevner, doing business as Hevner Serum Company.

109,627. RUBBER HOSE, RUBBER BELTING, AND COMPOSITE RUBBER PACKING FOR PISTONS. Registered April 11, 1916. BOWERS RUBBER WORKS, San Francisco, Calif. Renewed April 11, 1936, to Pioneer Rubber Mills, a corporation of California, by change of name.

109,850. A CAMPHORATED MUSTARD CREAM. Registered April 18, 1916. WILLIAMS DRUG CO., Ogdensburg, N. Y. Renewed April 18, 1936, to Mothersill Remedy Company, Limited, Montreal, Quebec, Canada, a corporation of Canada, successor.

109,877. PAINTERS' BRUSHES. Registered April 18, 1916. J. C. PUSHEE & SONS. Renewed April 18, 1936, to J. C. Pushee & Sons, Inc., Boston, Mass., a corporation of Massachusetts, successor.

110,033. PIPES, CIGAR-HOLDERS, CIGARETTE-HOLDERS, TOBACCO-JARS, POUCHES, CIGAR-CASES, HUMIDORS. Registered May 2, 1916. UNITED CIGAR STORES CO., Jersey City, N. J. Renewed May 2, 1936, to Irving Trust Company, as trustee of the estate of United Cigar Stores Company of America, debtor, New York, N. Y., a corporation of New Jersey, assignee.

110,822. PAPER TABLETS. Registered May 16, 1916. OSBORN PAPER COMPANY, Marion, Ind., a corporation of Indiana. Renewed May 16, 1936.

110,351. BREAD. Registered May 16, 1916. STA-KLEEN BAKERS, INC., Lynchburg, Va., a corporation of Virginia. Renewed May 16, 1936.

110,423. A DAIRY FEED. Registered May 23, 1916. INTERNATIONAL SUGAR FEED CO., Minneapolis, Minn., a corporation of Minnesota. Renewed May 23, 1936.

110,453. CERTAIN NAMED CLOTHING. Registered May 23, 1916. COURTAULDS, LIMITED. Renewed May 23, 1936, to Courtaulds, Limited, London, England, a corporation of Great Britain, assignee, by mesne assignments.

110,754. VOILES IN THE PIECE. Registered June 13, 1916. H. R. MALLINSON & CO., a firm, as assignee of Hiram Royal Mallinson. Renewed June 13, 1936, to H. R. Mallinson & Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

110,762. CANNED CORN. Registered June 13, 1916. F. O. MITCHELL & BRO., Perryman, Md., a firm. Renewed June 13, 1936.

110,881. MEN'S AND WOMEN'S GAITERS. Registered June 13, 1916. E. W. BURT & COMPANY, INCORPORATED, Boston, Mass. Renewed June 13, 1936, to Orthopedic Shoes Inc., Portsmouth, Ohio, a corporation of Delaware, assignee by mesne assignments.

LABELS

REGISTERED FEBRUARY 11, 1936

47,019.—*Title:* BEECH-NUT SPAGHETTINI. For Spaghettini. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published October 31, 1935.

47,020.—*Title:* GUEST DECANTER, OLD MR. BOSTON. For Dry Gin. BEN-BURK, INC., Boston, Mass. Published November 19, 1935.

47,021.—*Title:* GUEST DECANTER, OLD MR. BOSTON. For Orange Gin. BEN-BURK, INC., Boston, Mass. Published November 19, 1935.

47,022.—*Title:* GUEST DECANTER, OLD MR. BOSTON. For Sloe Gin. BEN-BURK, INC., Boston, Mass. Published November 19, 1935.

47,023.—*Title:* BRADWAY CHOCOLATE SYRUP. For Chocolate Sirup. BRADWAY CHOCOLATE CO., INC., New Castle, Ind. Published October 7, 1935.

47,024.—*Title:* GOLDEN MIST. For Wines. GOLDEN MIST WINE CO., Chicago, Ill. Published December 3, 1935.

47,025.—*Title:* HITSCHLER'S TOP CREAMERIES. For Butter. JOHN J. HITSCHLER & SON, Philadelphia, Pa. Published December 9, 1935.

47,026.—*Title:* JOHNSON'S GLO-COAT. For No Rubbing Floor Polish. S. C. JOHNSON & SON, INC., Racine, Wis. Published December 2, 1935.

47,027.—*Title:* JOHNSON'S PREPARED PASTE WAX. For Prepared Paste Wax. S. C. JOHNSON & SON, INC., Racine, Wis. Published November 15, 1935.

47,028.—*Title:* JOHNSON'S POWDERED DANCE WAX. For Powdered Dance Wax. S. C. JOHNSON & SON, INC., Racine, Wis. Published November 15, 1935.

47,029.—*Title:* KEMP'S THIN MINTS. For mint Candies. E. F. KEMP, INC., Somerville, Mass. Published December 16, 1935.

47,030.—*Title:* TABLE-TESTED BREAD. For Bread. LLOYD V. KOLBY, doing business as Uni-Dale Bakery, St. Paul, Minn. Published October 17, 1935.

47,031.—*Title:* ORIENTAL RINGS. For A Solid, Annular Ring Product of Compressed, Vaporized Product for Killing Moths. THE LEWY CHEMICAL CO., New York, N. Y. Published December 6, 1935.

47,032.—*Title:* EXTRUDED ROLLER-FORGED ENGINEERING TUBE. For Engineering Tubes. REVERE COPPER AND BRASS INCORPORATED, New York, N. Y. Published June 7, 1935.

PRINTS

REGISTERED FEBRUARY 11, 1936

15,570.—*Title:* KITCHEN KLENZER THRIFTEE BANK. For Thrift and Savings Banks. FITZPATRICK BROS., INC., Chicago, Ill. Published December 17, 1935.

15,571.—*Title:* TAPS KILLS SNAILS. For a Preparation for Killing Snails. PACIFIC GUANO COMPANY, San Francisco, Calif. Published October 25, 1935.

15,572.—*Title:* NOTHING OVER 18¢. For Heel Lifts and Rubber Heels. THE RED STAR SHOE REPAIRING COMPANY, INC., Philadelphia, Pa. Published December 2, 1935.

REISSUES

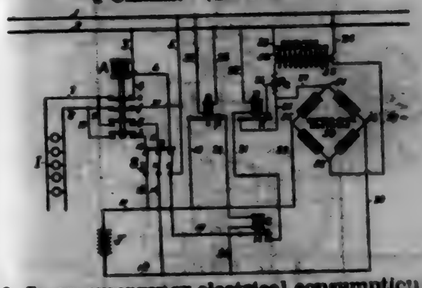
FEBRUARY 11, 1936

19,846
EMERGENCY LIGHTING SYSTEM

Frank G. Beetem, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Original No. 1,882,472, dated October 11, 1932, Serial No. 531,502, April 20, 1931. Application for reissue July 31, 1934, Serial No. 737,360

4 Claims. (Cl. 171—97)



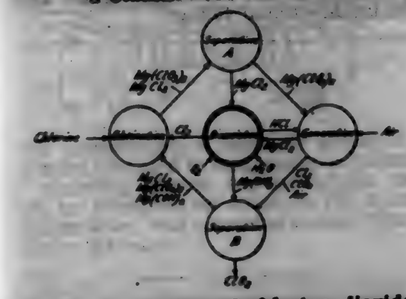
3. In an emergency electrical consumption system, in combination, a load circuit, a normal source of current, a storage battery, means responsive to the voltage of the normal source for selectively connecting the load circuit either to the said source or to the battery, means for charging the battery selectively at either a higher or a lower rate, means responsive to the voltage of the battery for reducing the charging rate from the higher to the lower, and voltage responsive means for resetting the battery voltage responsive means for the higher rate.

19,848
PROCESS FOR THE PRODUCTION OF CHLORINE DIOXIDE

George Lewis Cunningham, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

Original No. 2,008,288, dated July 16, 1935, Serial No. 702,482, February 1, 1934. Application for reissue December 7, 1935, Serial No. 53,435

3 Claims. (Cl. 23—205)



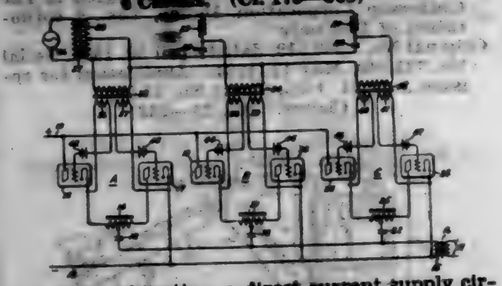
1. In the production of chlorine dioxide, the process which comprises separating magnesium chlorate and magnesium chloride from a mixture of the same, dissociating the separated magnesium chloride in the presence of free oxygen to form magnesium oxide, chlorine and hydrochloric acid, generating a gas mixture including chlorine and chlorine dioxide from the magnesium chlorate from the first-mentioned separation by reacting said magnesium chlorate with hydrochloric acid from said dissociation, separating chlorine from said gas mixture by reacting said gas mixture with magnesium hydroxide formed by hydration of magnesium oxide from said dissociation, chlorinating magnesium hydroxide formed by hydration of magnesium oxide from said dissociation together with magnesium chloride and magnesium chlorate formed in the second-mentioned separation to form a mixture of magnesium chlorate and magnesium chloride and supplying that mixture to the first-mentioned separation.

19,850
ELECTRIC POWER CONVERTING APPARATUS

Frederick W. Frink, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Original No. 1,961,924, dated December 27, 1932, Serial No. 497,501, December 22, 1930. Application for reissue October 9, 1934, Serial No. 747,649

6 Claims. (Cl. 175—363)



1. In combination, a direct current supply circuit, a plurality of resonant circuits, each including a capacitor, a pair of electric valves, a charging circuit for said capacitor including one of said valves, and a discharging circuit for said capacitor including the other of said electric valves, means for periodically and alternately rendering the valves included in each resonant circuit conductive, means for producing a phase displacement between the conductivity cycle of the valves included in the several resonant circuits, the natural frequency of said resonant circuits being substantially an integral multiple of that of said conductivity controlling means, and a load circuit associated with the several capacitor charging and discharging circuits.

19,851
RADIO PROGRAM SELECTING APPARATUS

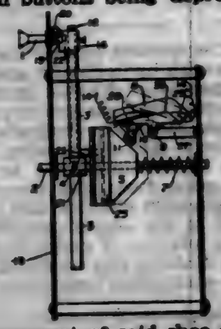
Edward A. Kinney, Watertown, and Joseph W. Galligan, Jamaica Plain, Boston, Mass.

Original No. 1,939,267, dated December 12, 1933, Serial No. 674,670, June 7, 1933. Application for reissue December 13, 1935, Serial No. 54,200

7 Claims. (Cl. 200—38)

1. Time-controlled mechanism for closing an electrical circuit for predetermined intervals during a time period, comprising a shaft rotatable once during said period, a switch in said circuit, a movable actuator for operating said switch, a

member connected to and rotatable with said shaft for moving the actuator, said member having a shoe portion and a series of control buttons corresponding in number to said time intervals, said buttons being depressible into the



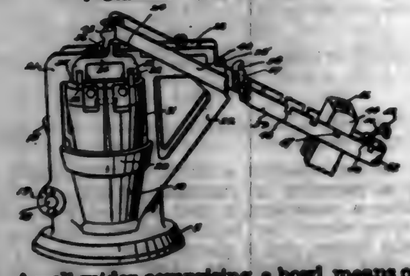
path of movement of said shoe so that engagement of the shoe with a depressed button will operate said member to move the actuator and close the switch, and spring means for restoring the actuator to inoperative position after the shoe has passed the depressed button.

19,238
WELL SPIDER

Harvey R. Standfiss, Tulsa, Okla., assignor to The Gulfsteam Corporation, Dallas, Tex., a corporation of Delaware

Original No. 1,969,519, dated April 26, 1935, Serial No. 725,240, May 12, 1934. Application for reissue July 22, 1935, Serial No. 32,650

7 Claims. (Cl. 24—263)



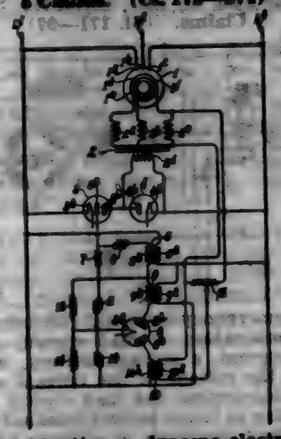
1. A well spider comprising, a bowl, means overhanging the bowl for entering a tubing string in said bowl, gripping slips engaging in said bowl, means for moving said slips upwardly and downwardly in said bowl below said centering means, and a latch for locking said slips in their lowered position.

19,333
MOTOR CONTROLLER

Carroll Stansbury, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Original No. 2,013,221, dated September 3, 1935, Serial No. 727,313, May 24, 1934. Application for reissue October 24, 1935, Serial No. 46,590

8 Claims. (Cl. 172—274)



1. In combination, a dynamo electric machine, a saturable reactor in circuit with a winding of said machine and having a control winding, an alternating current supply, an electron tube connected in circuit with said supply and said control winding and having a grid, and means to control the current in said control winding in accordance with a characteristic of said machine, said means comprising means to supply a unidirectional reference voltage to said grid, also means to supply a second unidirectional voltage to said grid which is a function of said characteristic of said machine and which is opposed to said reference voltage, and also means connected to said alternating current supply to superimpose an alternating voltage of a given phase relative to the voltage of said supply upon the resultant of said reference voltage and said second unidirectional voltage.

PATENTS

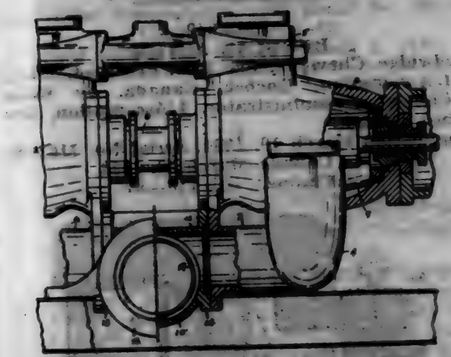
GRANTED FEBRUARY 11, 1936

2,030,861
PUMP

Herbert Allen, Houston, Tex., assignor, by mesne assignments, to Stephens Pump Company, Round Rock, Tex., a corporation of Delaware

Application May 14, 1934, Serial No. 725,570

6 Claims. (Cl. 103—220)



1. A pump having a suction manifold, said manifold having an elongated substantially cylindrical body with staggered manifold outlet ports between its ends and an entrance opening at one end; a strainer in said manifold having a substantially cylindrical body concentric and coextensive with and radially spaced from the body of said manifold, perforated, and communicating with said entrance opening; said manifold having on one end a removable cover, and said strainer being insertable in and removable thru said end when said cover is removed.

2,030,942
APPARATUS FOR DECORATING OBJECTS

Osias Austin, Brooklyn, N. Y.

Application December 10, 1934, Serial No. 756,884

3 Claims. (Cl. 41—1)



1. In combination, a turnably mounted base, receptacles mounted in said base in a desired pattern, clamping means which include packing means, for clamping an object to the mouths of said receptacles, said clamping means being connected to the base.

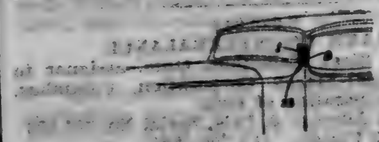
2,030,943
DIRECTION SIGNAL FOR VEHICLES

William G. Beadle, Woodland, Calif., assignor of one-third to C. C. McDonald and one-third to J. A. Murray, Woodland, Calif.

Application March 4, 1935, Serial No. 9,237

6 Claims. (Cl. 116—40)

1. A direction signal comprising a horizontally extensible arm in the form of a lazy tongs unit having crossing pairs of pivoted links pivoted together, a signal member disposed in a vertical plane and pivotally mounted on the outermost pair of links in common with the pivot thereof, an element about said pivot between the signal member and the adjacent links, an extension on one of the links of the pair adjacent said outermost pair projecting to a termination substantially in vertical alinement with said common pivot, a finger pivoted on said extension and pro-



jecting behind and normally engaging the element, a pin on said finger intermediate its ends, the signal member having a guide slot extending lengthwise thereof from the hub in the direction of the extension when the signal member is vertical and in which said pin moves and is guided, and an element engaging cam formed on the finger arranged to cause the pin to impart a rotative movement to the signal member when the pin arrives at the element end of the slot.

2,030,944
PRINTING STAMP

Peter Beghetti, San Francisco, Calif.

Application October 1, 1932, Serial No. 635,719

11 Claims. (Cl. 101—331)



1. In a hand stamp, a holder, detachable type therefor, each of said type comprising an elongated body portion provided with a printing face on one end, said body portion provided with an opening extending transversely thereof and the holder provided with a horizontally disposed bar adapted to extend through the opening in each type for forming a row of aligned type and means adapted to engage the bar and end type of the row independently of the holder for securing the type against movement on the bar with their printing faces arranged for simultaneous printing.

2,030,945
TRENCH DIGGER AND BACK-FILLING MACHINE

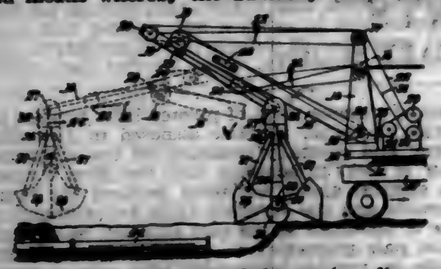
Wilfred A. Billings, Shrewsbury, Mass.

Application August 22, 1934, Serial No. 740,286

2 Claims. (Cl. 212—42.5)

1. In a trench digging machine, the combination of a boom pivotally mounted at its lower end, an auxiliary boom swingingly connected with the end of the first named boom, a clam shell bucket pivoted at the free end of the auxiliary boom and supported solely thereby, means for

swinging the auxiliary boom about its pivot, and means whereby the auxiliary boom can be



fixed to the first named boom in alignment therewith to extend beyond it.

2,030,046

CRANK COUNTERBALANCE

Richard R. Bloss, Columbus, Ohio, assignor to International-Stacey Corporation, Columbus, Ohio, a corporation of Ohio

Application January 2, 1934, Serial No. 704,890

9 Claims. (Cl. 74—591)



8. An attachment for the crank arm of well-pumping mechanism comprising a counterbalance weight structure adapted to be disposed in cooperative relation with said crank arm, a plurality of lugs disposed on said weight structure and being slidable bodily and laterally along said weight structure into and out of gripping relation with the crank arm, means for maintaining said lugs in gripping relation to the crank arm, said means comprising wedge members each of which fits between one of said lug members and an abutment formed on said weight structure.

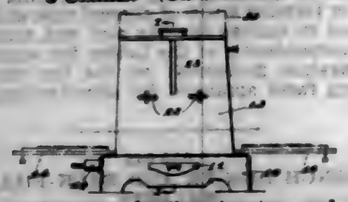
2,030,047

COMBINATION BROILER AND TOASTER

Leo A. Bonnagni, Brookline, and Auguste Gevord, Somerville, Mass.

Application May 17, 1934, Serial No. 726,118

3 Claims. (Cl. 219—19)



1. A combination broiler, toaster and heater comprising in combination, a base, end frames attached to said base, pivoted toaster side frames attached to said end frames, heater coils mounted on transversally adjustable frames, said coil frames being transversally slidable on said end frames, a grill top hinged on one of said end frames, and a broiler grid slot located in the upper portion of each of said end frames.

2,030,048

PRODUCTION OF OXYGENATED ORGANIC COMPOUNDS

Ralph Lyman Brown, Syracuse, N. Y., assignor to Atmospheric Nitrogen Corporation, New York, N. Y., a corporation of New York

No Drawing. Application June 20, 1931, Serial No. 545,247

16 Claims. (Cl. 260—116)

1. A process for the synthesis of oxygenated organic compounds which comprises reacting a gas containing carbon monoxide with an alcohol in the presence of a silica-phosphoric acid catalyst.

2,030,049

BURGLAR ALARM

Hedwidge Chevigny, née Roy, deceased, late of L'Assomption, Quebec, Canada, by Robert Chevigny, administrator, L'Assomption, Quebec, Canada

Application March 19, 1934, Serial No. 716,329½

In Canada March 25, 1933

5 Claims. (Cl. 116—67)



1. A burglar alarm comprising, in combination with a wall and closure member movable therein, a cartridge support carried by said wall, a striking lever pivoted to said wall and adapted to fire the cartridge in said support, a tension spring joining said lever to said wall, a trigger carried by said closure member and adapted to swing said lever and then release it on opening of said closure member, and manual means for moving said trigger out of contact with said lever.

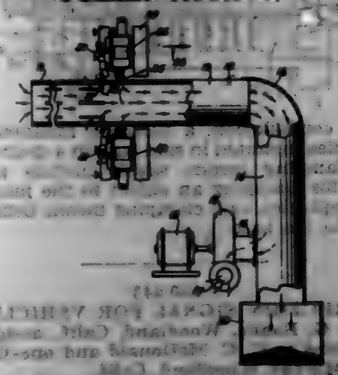
2,030,050

PROCESS OF CUTTING SLOTS

Clarence J. Coberly, Los Angeles, Calif., assignor to Kobe, Inc., Huntington Park, Calif., a corporation of California

Application March 6, 1933, Serial No. 659,661

9 Claims. (Cl. 148—8)



6. A method of cutting openings in a length of pipe, which method includes the steps of: successively cutting openings in said pipe; and continuously exhausting a stream of gas through the

yet solid and internally unobstructed portion of said pipe during the cutting of said openings, said gas entering said pipe through said openings as they are successively formed, said stream of gas removing through said solid and internally unobstructed portion of said pipe the material formed by the cutting operation.

2,030,051

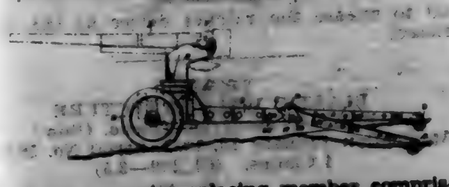
EMPLACING MEMBER FOR GUN CARRIAGES AND MOUNTS

Gladeon M. Barnes, United States Army, Hastings, Mich.

Application September 5, 1933, Serial No. 688,139

3 Claims. (Cl. 89—40)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A gun mount emplacing member comprising an inner part connected to the gun mount and having spaced plates with horizontally disposed slots, an outer part having spaced plates with vertically disposed slots and adapted to fit between the plates of the inner part, a horizontally disposed hinge pin passing through all of the spaced plates, a floor plate on the outer part, spaced blocks fixed to the floor plate and having vertically disposed slots in alignment with the vertical slots in the plates, a screw shaft mounted in the inner part and having an end disposed between the fixed blocks, a pin passing through said end and the slots in the blocks and plates, a nut on the screw shaft, means for constraining the nut against translational movement, and means for rotating the nut.

2,030,052

APPARATUS FOR RIDDING TREES OF INSECTS

Ernest Bernitz, Sr., La Mesa, Calif., assignor of one-half to William A. Smith, Vista, Calif.

Application September 23, 1933, Serial No. 690,689

3 Claims. (Cl. 47—24)



1. A barrier for protecting trees from crawling insects consisting of a wrapping having a substantially flat but irregular and pliable surface in the form of a tangled mass adapted to be applied directly about the trunk of the tree and conform to the irregularities thereof so as to confront insects with a labyrinth barrier, said wrapping also including an extended parallel labyrinth surfaced flanging portion at its underside, and a protecting skirt applied around the wrapping.

2,030,053

SPLICING METHOD

James W. Channell, Southgate, Calif.

Application April 24, 1934, Serial No. 725,064

5 Claims. (Cl. 22—203)



1. A method of splicing metal-sheathed cables comprising; fitting metallic disks upon the ends of the cable sheaths; fitting a metallic sleeve over said disks; and casting metal in such a manner as to embrace and coalesce with the respective ends of said sleeve, the exposed surfaces of said disks, and the cable sheaths adjacent the disks.

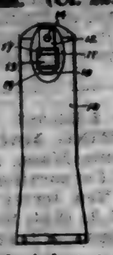
2,030,054

CLOSURE DEVICE

George Deeson, Jr., Huntington, N. Y.

Application November 16, 1934, Serial No. 753,281

2 Claims. (Cl. 221—69)



2. In a collapsible tube; a raised and tapered slide formed integral with the body of the tube and having its opposite sides dove-tailed; an aperture formed in the large end of the slide and communicating with the interior of the tube; a cap, having downwardly extending and dove-tailed side members for straddling said slide, slidingly mounted on the slide; and the slide located on an angularly-disposed face formed on the side of the tube near the end thereof; said face so located that the slide and the cap will not extend outside the circumference of the tube nor outside its end.

2,030,055

NONSLIPPERY FLOOR WAX

Ted G. Dixon, Brooklyn, N. Y.

No Drawing. Application January 27, 1934, Serial No. 708,696

5 Claims. (Cl. 134—24)

5. In the production of polishable wax coatings on floors and woodwork the improvement which comprises applying to the surface thereof a fluent wax composition containing the usual ingredients of floor waxes and containing in addition thereto a minor proportion of incorporated rubber, the amount being insufficient to impair any property of the wax as a floor wax, including its waxiness, polishability and pore filling characteristics but being sufficient to impart a substantially increased coefficient of friction to the waxed surface.

2,030,056

TYPEWRITING MACHINE

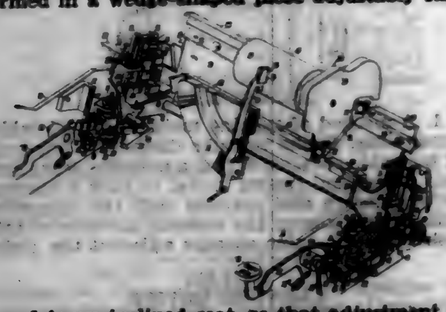
William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application June 21, 1933, Serial No. 676,900

10 Claims. (Cl. 197—78)

1. In a typewriting machine, a case-shifting platen-frame, side members spaced from the ends

of said frame, and anti-friction rollers coacting with said side members to guide said frame in case-shifting direction, each frame-end having a roller-raceway facing a companion raceway in the side member, one of the raceways being formed in a wedge-shaped piece adjustably fas-



tened to an inclined seat, so that adjustment of said piece in the direction of its raceway determines the spacing of the latter from the companion raceway, said adjustment being effective to take up play in the anti-friction bearings formed by the raceways and rollers.

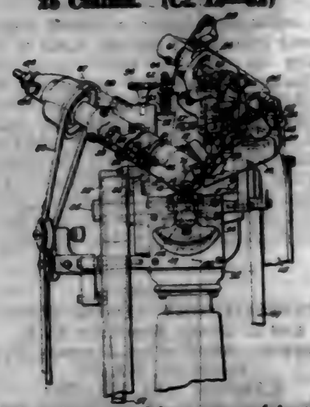
2,030,057

TRIMMING MACHINE

Andrew Eppler, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application April 9, 1934, Serial No. 719,679

25 Claims. (Cl. 12—62)



1. A trimming machine comprising a rotary tubular cutter having an annular cutting edge arranged to sever a flange of surplus material projecting from the bottom of a lasted shoe, driven means arranged to feed the shoe past said cutter, and driven means arranged to operate said cutter, the axis of the cutter being so skewed relatively to the direction of the work-feeding movement as to place the inboard segment of the cutting edge in a position less advanced to meet the work than the segment at the point of operation.

2,030,058

LIP STICK BOX

William S. Erbele, Krum, N. Dak.

Application January 14, 1933, Serial No. 1,885

3 Claims. (Cl. 206—56)

1. A lipstick holder comprising a box, a hinged lid therefor, a follower in the box, means for feeding the follower upward, a ratchet device engaging the follower to prevent upward movement thereof, and means on the hinge of the



lid to release the ratchet device as the lid is closed.

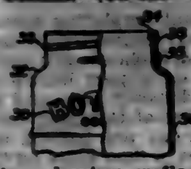
2,030,059

PLASTIC WALL STRUCTURE

Enoch T. Faragren, Toledo, Ohio

Application January 19, 1932, Serial No. 587,535

4 Claims. (Cl. 52—2.5)



1. A container having walls of a moldable flexible cellulosic plastic material and having molded therein a reinforcing softer fibrous section as an integral molded in section of its wall structure.

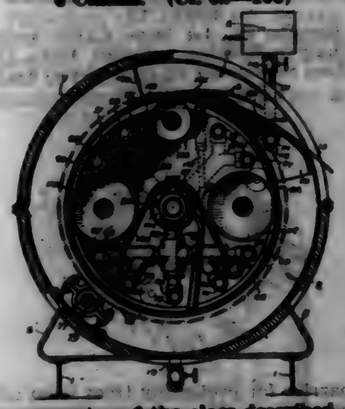
2,030,060

HEAT EXCHANGE APPARATUS

Crosby Field, Brooklyn, N. Y., assignor to Finlay Corporation, Wilmington, Del., a corporation of Delaware

Application December 8, 1931, Serial No. 579,841

6 Claims. (Cl. 62—106)



1. In apparatus of the class described, in combination, a freezing surface comprising a rotating flexible cylindrical surface, means for spraying a liquid onto the outside of said rotating cylindrical surface as it passes a predetermined line, whereby said liquid is substantially instantaneously cooled to a temperature below its freezing point, means for deflecting said rotating surface uniformly across its entire width as it passes

another predetermined line, whereby said frozen liquid is removed from said surface at said latter point in long strips, and means to supply a refrigerating medium inside said freezing cylinder to cool said freezing surface.

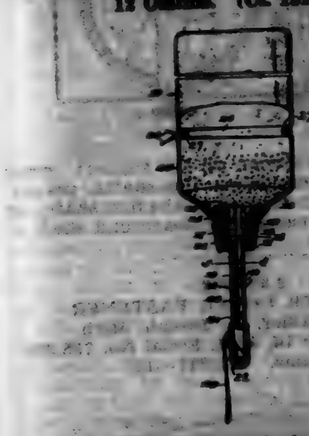
2,030,061

DEVICE FOR MAKING CIGARETTES

Frank T. Gracey, Eddyville, Ky.

Application February 23, 1932, Serial No. 594,631

12 Claims. (Cl. 131—5)



1. A cigarette-making device comprising a tobacco guide and means for directing loose tobacco from a container to said guide comprising a smooth surfaced member of an extent reaching a substantial distance at an incline between the side walls of a tobacco container and the receiving end of said guide, a collar of rigid material substantially wholly external of the bag and said member, means connecting both bag and said member and said collar adjacent one end of the collar, said end projecting slightly within the bag and said member, said collar at its outer end being connected with said tobacco guide.

2,030,062

CLOSURES FOR BOTTLES AND JARS

Michael A. Greene and Daniel M. Gray, Wheeling, W. Va., assignors to Hazel-Atlas Glass Co., Wheeling, W. Va., a corporation of West Virginia

Application April 15, 1933, Serial No. 666,574

2 Claims. (Cl. 215—40)



1. In combination with a jar having a side-seal finish, an annular ledge spaced slightly below the finish, a preformed closure including a top portion, a skirt depending therefrom, a gasket mounted on the inner face of the skirt, a bead formed on the lower edge of the skirt, said bead being partially flattened and having portions extending inwardly and outwardly from the skirt, the inwardly extending portion of the bead serving as a support for the gasket and the inwardly and outwardly extending portions in co-operative relation with and spaced from the ledge to facilitate removal of the closure.

2,030,063

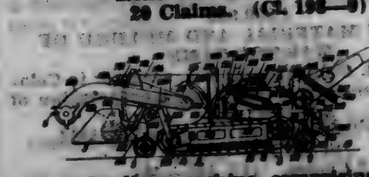
LOADING MACHINE

Frank A. Hallock, Chicago, Ill., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application January 11, 1927, Serial No. 160,186

Renewed February 15, 1933

29 Claims. (Cl. 198—9)



1. A loading machine comprising a portable body, a tractor mounting for said body, the latter being movably mounted thereon, a shovel member mounted on said body, means for supporting said body with said tractor mounting out of contact with the mine floor comprising truck wheels carried by said body and shovel member, said wheels being adapted to run along a trackway, a rotary raking device pivotally mounted on said body and cooperating with said shovel member for moving the material to be loaded thereon, and means for connecting said tractor mounting to said raking device for movement therewith in such manner as to permit contact of the tracklaying treads of said tractor mounting with the track rails to effect propulsion of the loading machine while supported on said truck wheels.

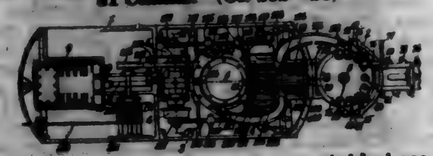
2,030,064

MINING APPARATUS

Merrit P. Holmes, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application December 29, 1932, Serial No. 649,247

31 Claims. (Cl. 262—23)



7. In a mining apparatus, a portable base, an arm swingably mounted on and overlying said base and at its forward extremity overhanging said base, a kerf cutter pivotally mounted on the overhanging extremity of said arm, motor operated screw and nut devices for independently swinging said arm and kerf cutter about their respective pivots, and a motor for actuating both of said devices.

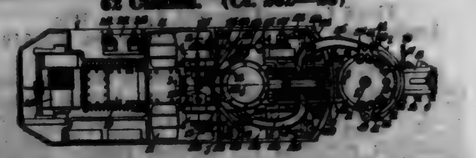
2,030,065

MINING APPARATUS

Merrit P. Holmes, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application February 27, 1932, Serial No. 595,992

62 Claims. (Cl. 262—23)



1. In a mining apparatus, a portable base, a frame mounted on said base to swing relative thereto, a kerf cutter pivotally mounted on said

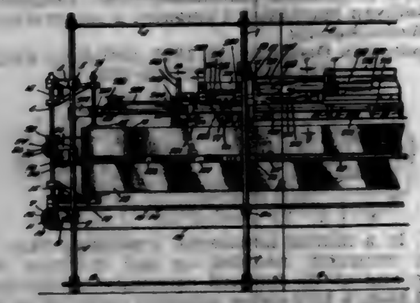
frame to swing relative thereto, a motor for actuating said kerf cutter, and a separate variable speed motor for swinging said frame and kerf cutter about their respective pivots, purely by motor control, through a wide range of cutting speeds.

2,030,005
PLASTIC MATERIAL AND METHOD OF MAKING SAME
Henry Jenett, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application June 29, 1934, Serial No. 733,996
12 Claims. (Cl. 101—32)

1. Method of producing embossed composite material, containing a thermoplastic composition as a surface, which comprises the steps of heating the material and embossing the heated material between cool surfaces.

7. Method of producing embossed sheet composite material comprising a base material bonded to a sheet of thermoplastic composition which comprises drawing the composite material across a heated liquid to raise the temperature of the material and embossing the heated material.

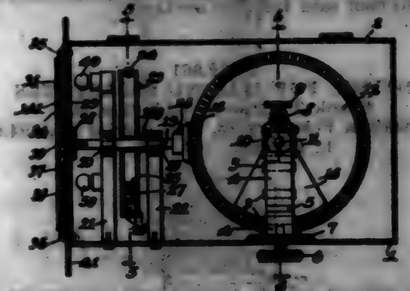
2,030,067
BAG SEALING MACHINERY
Isaac W. Litchfield, Smithfield, Mass., assignor, by mesne assignments, to Sarnaac Machine Company, Benton Harbor, Mich., a corporation of Michigan
Application November 23, 1931, Serial No. 576,206
76 Claims. (Cl. 93—6)



1. In bag closing machinery for sealing filled bags by a double fold in the mouth portion of the bag, the combination of a single set of folding blades operable to produce the double fold, having means to grip one fold while the final folding is in process, and means for causing relative movement of said blades, whereby the single set of blades is operative by successive relative movements of the same blades to produce the entire double fold in the mouth portion of the bag.

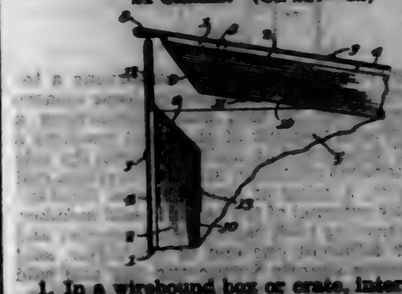
2,030,068
INCLINOMETER
Floyd Leonard Martin, Leona, Wis.
Application July 18, 1933, Serial No. 681,619
3 Claims. (Cl. 33—224)

1. An inclinometer comprising a box-like support including sides and a bottom, guides mounted on the sides of the support, brackets mounted on the sides of the support, above the guides, standards mounted for vertical sliding adjustment in the guides, compression springs interposed between the brackets and the upper ends of the standards, adjusting devices movable in the bottom and engaging the lower ends of the standards to raise and lower them, a first shaft carried for rotation on the standards, a second shaft disposed at right angles to the first shaft



and carried for rotation on the support, means for operatively connecting the shafts, gravity-actuating means for operating the first shaft, and indicating means carried by the second shaft.

2,030,069
CONTAINER COVER FASTENER
Julius J. Miller, St. Joseph, Mich.
Application July 16, 1934, Serial No. 735,206
21 Claims. (Cl. 217—12)



1. In a wirebound box or crate, inter-engaging loops formed on the opposite ends of one or more of the binding wires, on the cover and the side wall of the box, and means for anchoring the end portions of the wire on the under side of the cover and the inner side of the wall by means obviating the necessity of inserting the ends of the binding wires in the material of the box or crate, to prevent the ends of the wire from injuring the hands of those who handle the box or crate.

2,030,070
MANUFACTURE OF ACETYLENE
Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 10, 1934, Serial No. 724,919
15 Claims. (Cl. 260—170)

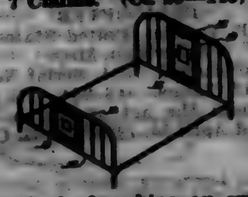
1. A process for the production of acetylene and liquid hydrocarbons from hydrocarbon gases, which comprises subjecting said gases to an elevated temperature in the range of 900° to 1200° C. to produce high yields of olefin hydrocarbons, comprising ethylene, separating from the resulting product olefins higher in molecular weight than ethylene by conversion thereof into liquid hydrocarbons and separating the resulting liquid product, and thereafter subjecting the residual gases containing ethylene to a temperature above 1100° C. to convert the same into substantial yields of acetylene.

2,030,071
MACHINERY FOR MAKING RECEPTACLES
Walter F. Newhouse and Leslie M. Hile, Benton Harbor, Mich.
Application March 28, 1932, Serial No. 601,544
60 Claims. (Cl. 93—47)



1. In the general organization of a machine for making and folding paper blanks and inserting wire bails therein to form receptacles having handles, the combination with means for feeding a strip of paper, of means for printing on said paper, means for applying a paraffin coating or the like to both the printed and unprinted sides of said paper, means for delivering the paper straight from the printing means to the paraffining means, by a straight line feed of the paper horizontally to and through the paraffining means, so that the paraffining is done while the paper is stretched straight and horizontal in the line of feed thereof, means for cutting a blank from said paper, with said paraffined printing thereon, means for delivering the paper by jump feed from the paraffining means to the blank-forming means, and means for folding and creasing said blank to form said receptacle with said printing thus waterproofed on the outer surface thereof.

2,030,072
METHOD OF MAKING METAL PANELS
Joseph K. Pezdek, Bradley, Ill.
Application June 20, 1932, Serial No. 618,123
7 Claims. (Cl. 29—148)



2. The method of making an embossed sheet metal panel which consists in embossing a sheet of thin metal; in longitudinally slotting frame parts; in setting opposite edges of the embossed metal sheet between the slotted edges of frame parts of a supporting frame; and in securing the edges of the sheet to the said frame parts.

2,030,073
ADHESIVE COMPOSITION AND PROCESS FOR MAKING SAME
Gordon G. Pierson, Lansdale, Pa., assignor to Perkins Glue Company, a corporation of Delaware
No Drawing. Application March 23, 1933, Serial No. 662,044. Renewed March 16, 1936
12 Claims. (Cl. 92—13)

12. A process for preparing glue which comprises mixing as a chief constituent dry raw cassava starch having a viscosity greater than 45,000 poise when tested as herein described with a small amount of dry copper sulphate, combining the starch and copper sulphate with water and caustic alkali in the proportion of about 2½ times the weight of the starch as water and about 3% of caustic soda, heating the mass to about 150° F. and stirring for 1½ to 3½ hours, whereby a glue having a viscosity of about 44,000–48,000 poise is obtained.

2,030,074
UNIVERSAL JOINT
Roy B. Poole, Dayton, Ohio
Application October 7, 1935, Serial No. 43,839½
3 Claims. (Cl. 64—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A joint structure comprising, two hollow tubes having their axes in the same plane but movable so that they are not in the same line, said tubes having keyways extending transversely across the walls at adjacent ends, a ball, held snugly between said adjacent ends, said ball having four keyways having axially parallel bottoms, two opposite bottoms being always parallel to the axis of one tube and the other two bottoms being always parallel to the axis of the other tube, and grooves having arcuate bottoms connecting the ends of opposite keyways together, two one-piece U-shaped keys having arcuate contours on their inner edges as the closed end fitted snugly to arcuate bottoms of the grooves and having parallel sides extending through said keyways, one key being at right angles to the other and their open ends extending oppositely, the parallel sides of said keys being offset inwardly midway of their length whereby the more widely spaced portion of the key sides extends into said transverse keyways and the offset portion extends into the hollow of said tubes, a spacing member within the hollow of said tubes grooved to receive the offset ends of said keys, and means to hold said spacing member and said keys in position in said tubes.

2,030,075
VAPORIZER DEVICE
Joseph Robinson, New York, N. Y.
Application September 19, 1928, Serial No. 306,967
Renewed March 20, 1934
9 Claims. (Cl. 128—192)



1. A pocket vaporizer unit comprising in combination a discardable medicament unit including a shallow receptacle adapted to contain a medicament substance therein vaporizable by application of heat to said receptacle, a flat cover secured to said receptacle, said cover having a

central aperture therein and a plurality of air inlets arranged about said central aperture, and an applicator for conveying the vapors to the parts to be treated, said applicator comprising a tubular body having a nozzle at one end, the opposite end of said tubular body being adapted to frictionally engage the central aperture in said cover to discardably support the medicament unit.

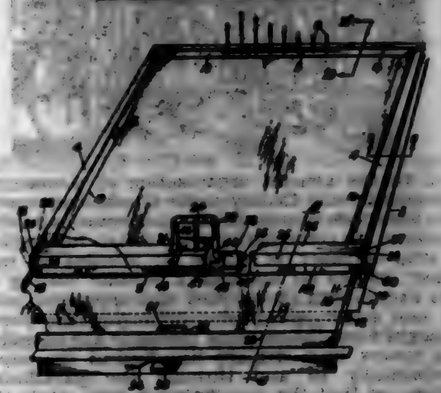
2. In combination a medicament holder having therein a supply of vaporizable substance, an applicator having a stem to detachably support the holder, and ejector means separate from the holder and slidably carried by said stem to throw the holder from the applicator.

2,029,776
WHEEL
Claude Saunedde, Detroit, Mich., assignor to Detroit Hydrostatic Brake Corporation, a corporation of Michigan
Application September 30, 1929, Serial No. 396,165
10 Claims. (Cl. 301—55)



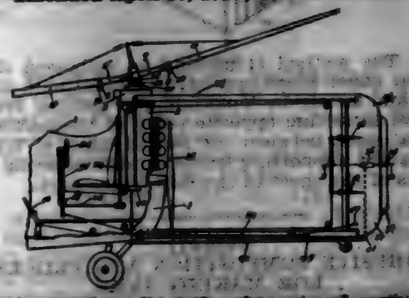
1. In tension wheels and in combination, a hollow hub formation, a rim, and spokes connecting the hub and rim, said hub formation having its walls symmetrical relative to the mid-plane of the wheel and having its zone of greatest diameter at such mid-plane and with the diameter decreasing progressively away from such plane, said hub formation having two annular series of spoke-anchoring devices on each side of such mid-plane with the spoke-anchoring devices of each series located on a plane individual to the series and with the several planes extending substantially parallel with and spaced from such mid-plane and relative to each other to thereby locate the respective planes of the two series of spoke-anchoring devices located at each side of such mid-plane as differing in remoteness from such mid-plane, an anchoring device of the more remote series being spaced from the axis of the hub a less distance radially than a similar device of the adjacent series of such side, a spoke-anchoring device of each series located at one side of the mid-plane being positioned on approximately the same radial plane of the wheel as a spoke-anchoring device of the other series on the same side of the mid-plane to provide a pair of devices on said approximate radial plane at one side of such mid-plane, said rim having its spoke connections arranged in two annular series symmetrical to and on opposite sides of such mid-plane with the spoke connections positioned to place a spoke connection of one series opposite the spoke connection of a spoke of the other series on a common radial plane of the wheel, a pair of spokes having such opposite connection relation with the rim leading from radially-aligned anchoring devices of the hub at one side of the wheel mid-plane.

2,029,977
REFUSE CATCHING AND REMOVING DEVICE FOR FLOORS
Ira T. Hiller, Pasadena, Calif.
Application January 30, 1933, Serial No. 654,134
11 Claims. (Cl. 15—17)



1. In combination, a slidable tray adapted to be manually reciprocated, a continuous sheet having a plurality of folds which overlie each other and withdrawable one at a time to form a covering for said tray, the uppermost fold of said sheet having a free edge which is accessible at one edge of said tray, and a yielding retractable straight-edge stationed at that edge of said tray in position to have said upper fold of the sheet extended thereunder and then thereby severed from the remainder of the sheet by manually lifting said extended fold after said tray has been moved forwardly together with said fold, thereby placing said fold in a position to be severed.

2,029,978
HELICOPTER
Sidney P. Vaughn, United States Navy, Ackerman, Miss.
Application April 6, 1934, Serial No. 719,909
12 Claims. (Cl. 245—19)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



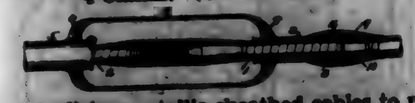
1. In an aircraft of the character described, a supporting rotatable shaft bent to form two oblique intersecting axes, means for rotatably mounting one axis in the aircraft parallel with the vertical axis of the aircraft and arranged to support the body of said aircraft, a sustaining aircrew rotatably mounted on the upper inclined portion of said shaft so that its torque axis will be oblique to the vertical axis of the aircraft, means for turning said shaft in its mounting to effect a change in direction of said torque axis and the plane of rotation of said sustaining air screw for control purposes, and means for driving said sustaining air screw.

2,029,979
RECEPTACLE FOR ATTACHMENT PLUG CAPS
Charles Theodore Von Helts, Bridgeport, Conn., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application November 25, 1933, Serial No. 699,766
10 Claims. (Cl. 173—332)



1. In a receptacle, a body of insulating material having a socket opening through one of its ends, a contact in said socket, said contact adapted to be introduced into the socket by being pushed through the open end thereof, said body including a pair of grooves opening through the walls of said socket at spaced points, said contact including a rigid portion having edge portions received in said grooves, said contact including a resilient contact element at one side of said portion and between which and said portion a contact blade is to be received, and said contact including means at the opposite side of said portion from the resilient element cooperating with a wall of the socket to prevent the contact being pulled out of the socket and held in such co-operating relation by said rigid portion engaging in the grooves.

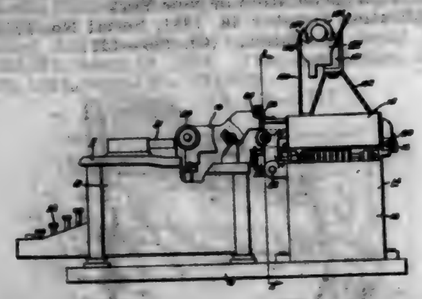
2,029,980
CABLE SPLICE
Richard C. Waldron, Clifton, N. J., assignor to The Okonite Company, Passaic, N. J., a corporation of New Jersey
Application June 8, 1934, Serial No. 729,586
4 Claims. (Cl. 173—268)



1. In splicing metallic sheathed cables to non-metallic sheathed cables the method which comprises vulcanizing a rubber compound to one end of a metallic casing, applying this casing to the cables to be joined, wiping the end of said casing, remote from the rubber compound, to the sheath of the metallic-sheathed cable, and at the end of the casing to which the rubber compound is vulcanized making up a moisture proof seal between the rubber compound and the non-metallic sheathed cable.

2,029,981
IMPRINTING APPARATUS
Edward C. Wells, Dayton, Ohio, assignor to Platt Iron Works, Inc., Dayton, Ohio, a corporation of New York
Application May 17, 1924, Serial No. 713,939
17 Claims. (Cl. 178—35)

1. In a printing telegraph system, a transmitter for selecting type characters and a receiver operated by said transmitter for grouping type characters in space relationship, adjustably variable character spacing means on said receiver, a control circuit connecting the trans-

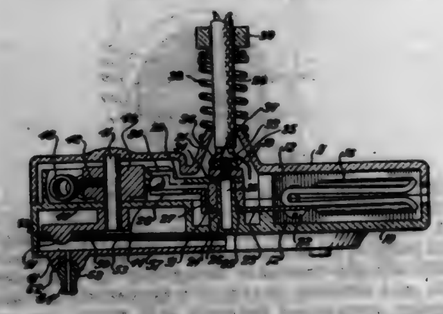


mitter and receiver, and means operable at the transmitter and effective on the control circuit for adjustably varying the spacing means at the receiver for justifying lines of characters at the receiver.

2,030,032
MAKING POTASH
Erich Wiedbranck and Karl Büche, Essen-Ruhr, Germany, assignors to the firm of Th. Goldschmit A.-G., Essen-Ruhr, Germany
No Drawing. Application April 13, 1932, Serial No. 605,117. In Germany April 20, 1931
14 Claims. (Cl. 23—63)

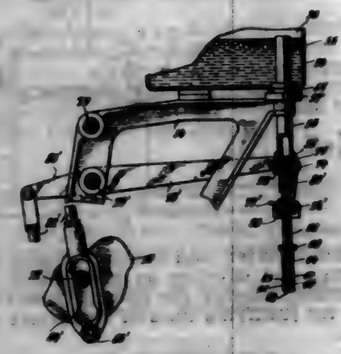
13. A process of making potassium carbonate which comprises treating potassium sulfate with gas-containing CO in the presence of water and caustic lime so as to form potassium formate and calcium sulfate, separating potassium formate in solid form and burning it in air to potassium carbonate.

2,030,083
STEAM OPERATED AUTOMATIC ELECTRIC SWITCH PLUG
Albert C. Wilcox, Massillon, Ohio, assignor to The Enterprise Aluminum Company, Massillon, Ohio, a corporation of Ohio
Application September 29, 1933, Serial No. 691,525
9 Claims. (Cl. 200—138)



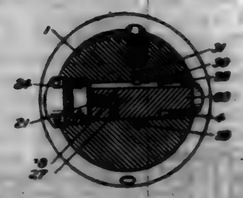
1. An automatic electric switch plug including a housing, a movable switch member within the housing, means for normally urging said switch member to open position, a bimetal strip within the housing and having an opening therein, a locking knob carried by the switch member and adapted to engage in said opening to lock the switch member in closed position, and means for directing steam into the housing and into contact with the bimetal strip.

2,030,004
APPARATUS FOR FILLING RECEPTACLES
Lewis B. Winton, Greenwich, Conn., assignor to American Seamless Corporation, New York, N. Y., a corporation of New York
Application October 26, 1931, Serial No. 571,965
21 Claims. (Cl. 226—102)



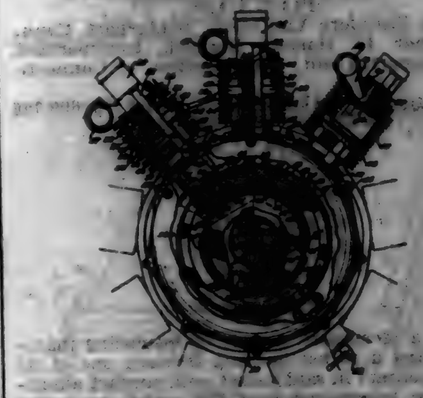
1. In apparatus for filling receptacles, an air tight material carrying tank, means to receive and discharge the material from the tank in successive predetermined measured quantities into receptacles adapted to seal the tank from the atmosphere and prevent entrance of air through said discharge means into the tank by the material discharged into a receptacle and the trapping of a portion of the material therein, and an inert gas supply under pressure connected with the tank to displace the material discharged from the tank and fill the space above the material in the tank.

2,030,035
POINT-DETONATING FUSE FOR PROJECTILES
David L. Woodberry, Edgewood Arsenal, Md.
Application February 7, 1934, Serial No. 710,004
7 Claims. (Cl. 102—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



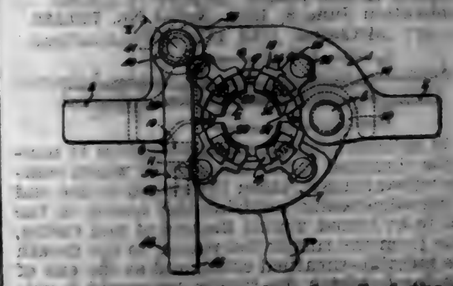
1. An impact fuse for projectiles comprising a fuse body, a bursting charge mounted thereon, a longitudinally movable firing pin in alignment with said bursting charge, a transversely movable member interposed between said firing pin and bursting charge, a detonator charge carried by said member, a shear member locking said firing pin into engagement with the transversely movable member and holding the detonator charge out of alignment with the firing pin, means operable by initial acceleration of the shell when fired to break said shear member and release said firing pin, and means operable upon a predetermined decrease in acceleration to move said firing pin to release said transversely movable member.

2,030,056
INTERNAL COMBUSTION ENGINE
Lionel M. Woolson, deceased, late of Detroit, Mich., by Emma F. Woolson, executrix, Bloomfield, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 12, 1931, Serial No. 574,792
14 Claims. (Cl. 123—140)



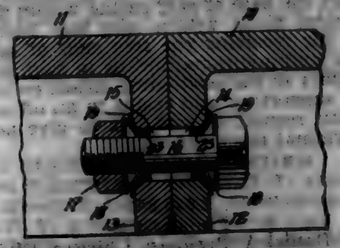
1. In a compression-ignition engine, a cylinder, a pair of fuel injection devices opening into the cylinder and each comprising a plunger and a nozzle, said nozzles having spring pressed valves opened under different pressures, and an actuating member selectively engageable with either of said devices.

2,030,067
DOOR TYPE SLIP ELEVATOR
Ferrest Joseph Young, Los Angeles, Spencer William Long, Redondo Beach, and John Shelby Morgan, Jr., Inglewood, Calif., assignors, by mesne assignments, to The National Superior Company, Toledo, Ohio, a corporation of Delaware
Original application June 28, 1931, Serial No. 547,276. Divided and this application May 8, 1933, Serial No. 670,944
7 Claims. (Cl. 294—99)



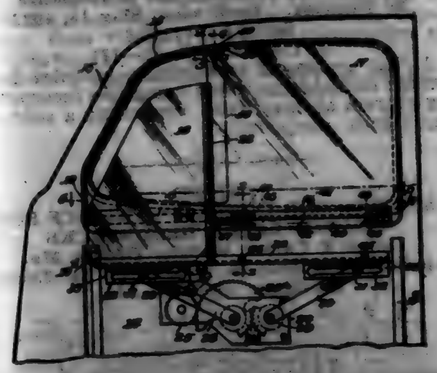
1. In a device of the class described, the combination of a body, a gate pivotally supported to one side of the body, a latch yoke pivotally supported by the body to pass over the free end of the gate to hold the gate in closed position, a latch means carried by the latch yoke, the latch yoke being provided with a handle, means mounted within the handle for actuating the latch means, and the latch means including a latch pin adapted to pass into a latch pin bore formed in the gate to hold the latch yoke from swinging away from the free end of the gate and adapted to project outwardly from the handle when held from passing into the latch pin bore.

2,030,063
GROMMET
William A. Young, Astoria, N. Y.
Application April 18, 1934, Serial No. 721,090
3 Claims. (Cl. 85—1)



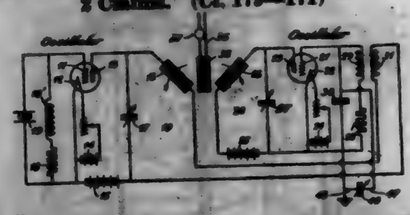
1. In combination with plates having a bored hole to be held together, a bolt of substantially smaller diameter than the bored holes for securing the same, an expansion member having a flange the inner face thereof engaging the outer walls of one of said plates and providing an inwardly directed flaring portion with a collar to be approximately midway between the outside diameter of the bolt and the inside wall of the bored hole, a grommet of relatively and uniformly thin structure between the bolt-head and the expansion member, said grommet providing means extending beyond and around the said collar for sealing the openings between the bolt and the walls of the hole in the plate.

2,030,085
WINDOW FOR VEHICLES
Roy F. Anderson, Auburn, Ind., assignor, by mesne assignments, to Indianapolis Corporation, Indianapolis, Ind., a corporation of Delaware
Application December 13, 1933, Serial No. 702,895
5 Claims. (Cl. 296—44)



1. The combination with a vehicle comprising a structure having a window-opening therein and a window-well below the opening, of a composite window for closing the window-opening comprising front and rear substantially coplanar panels mounted in slide vertically in the door from window-closing position into the well and vice versa, raising and lowering mechanism to which the front panel is directly connected, means for optionally connecting the rear panel to said mechanism so that it is conjointly shiftable with the front panel, and means for locking the rear panel to the structure after disconnection therefrom of the raising and lowering mechanism in order that said front panel may be shifted by the mechanism independently of the rear panel.

2,030,095
PHASE CONTROLLED OSCILLATING SYSTEM
Sydney N. Barnes, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Refiled for abandoned application Serial No. 333,901, April 18, 1929. This application June 22, 1934, Serial No. 731,819
2 Claims. (Cl. 179—171)



1. A signalling system comprising, an oscillation generator of the constant frequency type including a thermionic tube having anode, cathode and control grid, a frequency determining circuit connected between the control grid and cathode of said tube, an output circuit connected between the anode and cathode of said tube, a second oscillation generator comprising a second thermionic tube having anode, cathode and control grid, a circuit including reactances coupled between the control grid and cathode of said second named tube, one of said reactances being variable at signal frequency, an output circuit connected between the anode and cathode of said last named tube, a load circuit variably coupled to both of said output circuits, and a reactance coupling the output circuit of said first named tube to the control grid cathode circuit of said second named tube.

2,030,091
INFANT'S GARMENT
Frances Behringer, New York, N. Y.
Application February 27, 1935, Serial No. 8,456
2 Claims. (Cl. 2—114)

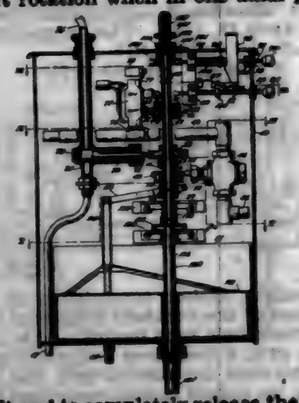


1. An infant's garment having an upper formed blouse portion connected with a lower unformed foldable flat skirt portion, said skirt portion being a continuation of the front of the blouse portion only and elastic means disposed in the lower edge in the back of said blouse portion.

2,030,092
AUTOMATIC DISHWASHER
Ralph L. Benson, Toledo, Iowa, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 28, 1932, Serial No. 635,504
1 Claim. (Cl. 141—9)

In a dishwasher comprising a container, and a self-closing water-inlet valve therefor, the com-

bination of control means for said valve comprising a shaft adapted to be slowly rotated, a cam mounted on said shaft to rotate therewith but to be free to axially slide thereon, said cam being so shaped as to open said valve during a portion of the shaft rotation when in one axial position on

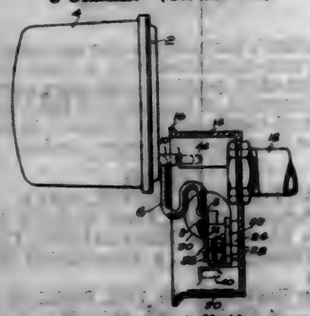


the shaft and to completely release the valve when in a second position on the shaft, and a float responsive to the level of the water in the container for shifting the said cam from the first-named axial position on the shaft to the second-named position when the water level rises to a given height in the container.

2,030,093
PARASITICIDES
Euclid W. Bousquet, George D. Graves, and Paul L. Salzberg, Wilmington, Del., assignors, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application December 29, 1932, Serial No. 648,448
7 Claims. (Cl. 167—22)

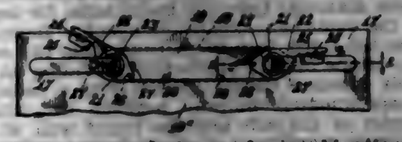
1. A parasiticidal composition comprising as the active parasiticidal ingredient a substance selected from the group of substances consisting of lauryl alcohol, lauryl esters and lauryl amines.

2,030,094
METER MOUNTING
William M. Bradshaw and Walter G. Myllus, Summit, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 13, 1934, Serial No. 743,864
3 Claims. (Cl. 247—2)



1. An electric meter installation comprising in combination, a terminal box substantially of cup-shape adapted to be secured to a support, a casing for a meter element proportioned to constitute a closure for said terminal chamber, positioning means on said casing and complementary means in said box for maintaining the casing and box in operative position, conductors extending from the base of said casing within said box, a terminal block within said box having terminals for receiving the free ends of said conductors, and additional means in said box complementary to the positioning means on said casing for supporting said casing in an off-set position with respect to said box to give access to said terminal block.

2,030,095
FASTENER
Daniel A. Brennan, Chicago, Ill.
Application January 2, 1931, Serial No. 506,039
27 Claims. (Cl. 24—153)



1. In a paper fastener, in combination, an elongated member having an opening at each end adapted to each receive a prong, latches mounted one in each opening for movement one over each of said prongs, a lip on each lock, and a flared portion on each lip adapted to facilitate movement of said latches into position over the respective prong.

2,030,096
BLACK POWDER COMPOSITION
Clarence W. Brooks, Jr., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 18, 1932, Serial No. 611,709
12 Claims. (Cl. 52—17)

1. The process of stabilizing a modified black powder composition which comprises incorporating therein an ingredient comprising a solid organic basic compound.

2,030,097
SETTING AND INDICATING DEVICE FOR GEARED LATHE HEADSTOCKS
Lionel A. Carter, Webster Groves, Mo.
Application August 10, 1934, Serial No. 739,295
8 Claims. (Cl. 116—124)



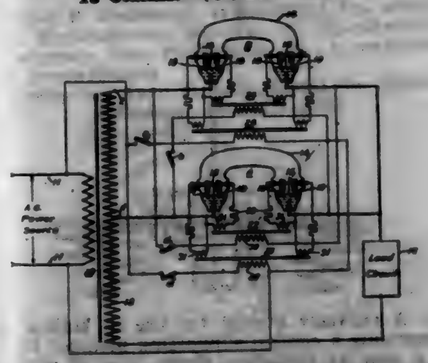
2. In a change speed driving mechanism for a lathe spindle, a control member for said mechanism, and a setting and indicating device for said control member and operated solely thereby, said device comprising a plate mounted for sliding movement on said lathe and having a scale marked thereon with numbered graduations designating the different spindle speeds, an operative connection between said control member and said slidable plate for sliding the latter when the former is actuated, and a cover fixed to said lathe and covering said slide plate, said cover plate being provided opposite said scale with an opening of a size adapted to uncover the numbered graduation corresponding to the spindle speed for which the transmission control member is set.

2,030,098
SOUND PICTURE RECORD
Theodore Willard Case, Auburn, N. Y., assignor to Case Research Laboratory, Incorporated, Auburn, N. Y., a corporation of New York
Application June 27, 1928, Serial No. 288,676
26 Claims. (Cl. 274—41.6)



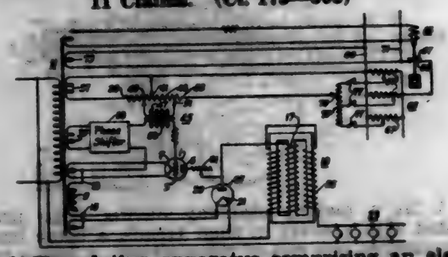
1. The combination with a spliced film having a sound record thereon, of means for gradually decreasing light rays passing through the film from a point forward of the splice up to the splice, and means for gradually increasing light rays passing through the film rearwardly of the splice to a normal condition of the sound record.

2,030,099
ELECTRICAL APPARATUS
John W. Dawson, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 6, 1933, Serial No. 650,419
13 Claims. (Cl. 171—119)



1. The combination with an electrical winding having a plurality of taps, a circuit disposed for connection therewith, and a source of alternating-current voltage disposed to circulate current through said winding and circuit, of a vapor-arc device, which is capable of conduction when excited, disposed intermediate the circuit and each of the winding taps, means for selectively exciting each of said devices from said alternating-current voltage, and means for additionally exciting each of said devices from a characteristic of any one of said remaining devices when non-conductive.

2,030,100
ELECTRIC DISCHARGE APPARATUS
John W. Dawson, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1934, Serial No. 725,167
11 Claims. (Cl. 175—363)



1. Translating apparatus comprising an electric discharge device having a control electrode and a plurality of principal electrodes, means for applying a periodic principal potential on said electric discharge device, means for applying a periodic control potential on said electric discharge device that is composed of a component which may be represented by a vector parallel to the vector representing the principal potential and a component which may be represented by a vector at an angle less than 180° to the vector representing the principal potential and means for varying the first said component continuously from a predetermined magnitude in opposite phase to the principal potential to a predetermined magnitude in phase with the principal potential.

2,030,101
MEANS FOR DETECTING FLAWS IN ELECTRICAL CONDUCTORS
Loren J. De Lanty, Spring Valley, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application November 10, 1933, Serial No. 697,463
8 Claims. (Cl. 175—183)

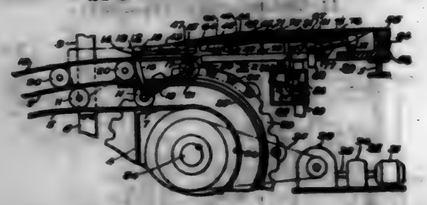


1. In a flaw detector mechanism for electrical conductors comprising an indicator and means for passing current through the conductor to establish an electromagnetic field surrounding the same, flaw responsive means for actuating said indicator, said flaw responsive means comprising metallic means whose size is responsive to the flux in said field, means for supporting said metallic means substantially in the plane of said field and means for moving said metallic means through said field in constant relation to said conductor.

2,030,102
TEXTILE OPERATIONS
William Alexander Dickie and Alexander Henderson Gentle, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 20, 1932, Serial No. 629,059. In Great Britain October 13, 1931
10 Claims. (Cl. 28—1)

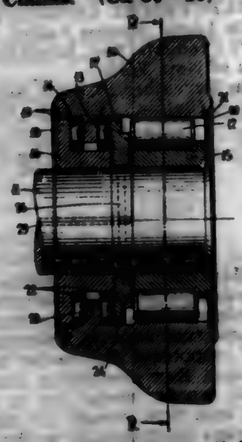
1. In the manufacture of pile fabrics, the steps of impregnating pile yarns of cellulose acetate with a solution of a weak alkali, drying the pile yarns, and thereafter cutting the same.

2,030,162
MOVING STAIRWAY
James Dunlop, Park Ridge, Ill., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application September 13, 1934, Serial No. 743,859
21 Claims. (Cl. 198—16)



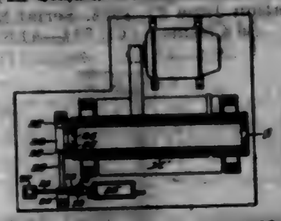
1. In a moving stairway having steps provided with grooves in their treads, a comb base disposed at one end of the stairway, a frame for supporting said comb base and preventing downward movement of any portion thereof but permitting upward movement thereof, and a plurality of comb teeth rigidly mounted on the comb base in position to enter the grooves in the treads of the steps as the steps pass under the comb, said comb base being sufficiently heavier than the comb teeth to more than overbalance the weight of the comb teeth and loading thereon of stairway passengers.

2,030,164
ROLLER BEARING FOR ROLLING MILLS
Caroline L. Ekergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 6, 1931, Serial No. 567,153
5 Claims. (Cl. 80—16)



1. A roll assembly for the radial rolling of wheel discs comprising, in combination, a shaft, a tread ring mounted upon said shaft through a plurality of sets of anti-friction rollers interiorly thereof and intermediate said shaft and ring, a radially inwardly extending web portion interiorly of said ring, a plurality of sets of axial thrust bearings being arranged at either side of said web each to carry axial thrusts, and a set of bearings arranged symmetrically with the load plane of the roll and arranged to carry radial thrusts, means providing retaining wall and race-way portions for said radial thrust bearings, means comprising an annular member of L-shaped cross-section providing race-way and retaining wall portions for one set of said axial thrust bearings, and means intermediate said afore-mentioned retaining wall and raceway means having a retaining portion for said radial thrust bearings and a race-way portion for the second of said axial thrust bearings.

2,030,165
STOP-OFF FOR CENTRIFUGAL CASTING MOLDS
Richard H. Emrich and Benjamin F. Anthony, Youngstown, Ohio, assignors to The Youngstown Sheet and Tube Company, Youngstown, Ohio, a corporation of Ohio
Application November 8, 1932, Serial No. 697,994
12 Claims. (Cl. 18—55)



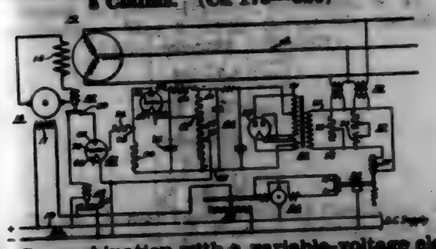
11. In combination with a centrifugal mold having a cylindrical bore open at one end, an annular sheet metal disk seated in and peripherally engaging the mold bore for contact by the fluid metal when poured into the mold, and means for resisting longitudinal thrust of the metal against the disk including a metallic body of substantial thickness engaging the face of the disk remote from that contacted by the metal throughout an area approximately coextensive with the area of contact of the metal with the opposite face of the disk.

2,030,166
EGG HOLDER
James A. Ferico, St. Louis, Mo.
Application June 13, 1935, Serial No. 26,500
6 Claims. (Cl. 53—1)



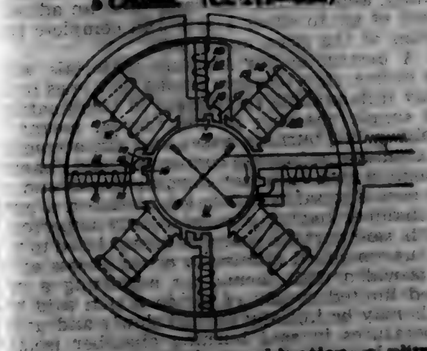
1. A culinary utensil for use in boiling eggs comprising a central supporting member formed of a pair of clamping plates, one of which is provided with a series of stamped circular recesses, each recess having a communicating radial recess extending to the edge of the clamping plate, a series of egg holders each of which is provided with an outwardly extending arm seated in one of said radial recesses and an eye on the end of said arm seated in a circular recess, said clamping plates being secured together to rigidly hold said arms and eyes in position between them, and a handle member secured on said supporting member and projecting above the same.

2,030,167
ELECTRONIC RELAY
Finn H. Gulliksen, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 5, 1932, Serial No. 641,425
8 Claims. (Cl. 175—329)



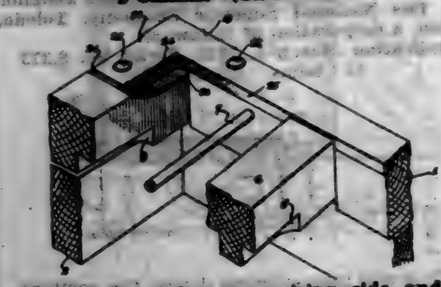
1. In combination with a variable-voltage electrical circuit and a relay influenced thereby, means for causing the relay to respond to voltage-change impulses, comprising an electronic tube having an anode, a cathode, and a grid element, a circuit including said anode and cathode elements for controlling the actuation of said relay, a circuit including said grid and cathode elements for controlling the current in said anode circuit, means for energizing said anode and grid circuits in accordance with potentials derived from said electrical circuit in such manner that the anode-circuit current remains substantially constant and of an appreciable magnitude during gradual changes in the electrical circuit voltage, a resistor connected in said grid circuit, and a capacitor connected through said resistor to said electrical circuit for energization in accordance with the voltage thereof, the effect of said connection being to modify the tube grid potential in such manner that when the said electrical-circuit voltage changes at a rapid rate in the voltage-decreasing direction an actuation of the above-mentioned relay will result.

2,030,168
GENERATOR
Clarence B. Hathaway, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 14, 1934, Serial No. 720,605
5 Claims. (Cl. 171—321)



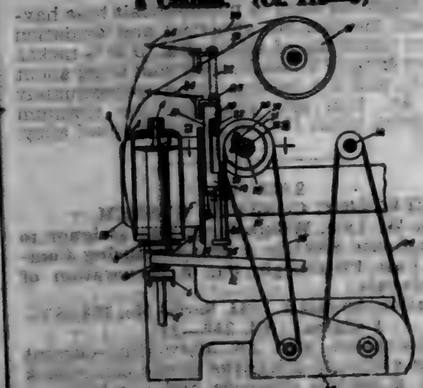
1. In a generator in combination, a plurality of field poles for producing a magnetic field flux, commutating poles disposed between the field poles, an auxiliary pole disposed between the commutating poles and the field poles, means for conducting magnetic flux associated with the commutating and auxiliary poles to cooperate in building up the field flux, the auxiliary pole receiving the flux it delivers from the commutating pole and the means for conducting the magnetic flux serving to limit the flux delivered through the auxiliary pole.

2,030,169
DELIVERY BOX
John A. Hopwood, Great Neck, N. Y.
Application August 16, 1935, Serial No. 36,480
9 Claims. (Cl. 217—32)



1. A delivery box comprising side and end walls, each composed of superimposed slats and the bottom side slats of which comprise the runners of the box and are thicker than the corresponding top side slats, said runners being of full thickness throughout their length and having their opposite ends cut sheer with said ends abutting the inner faces of the bottom end slats, corner irons at the four corners of the box, means for securing the contiguous ends of the side and end slats to said corner irons to maintain the slats in assembled relation, and a stacking iron at each of the upper corners of the box, each runner being provided therein at its inner lower edge with recesses located at the corners of the box to receive the stacking irons of another box of the same kind when a plurality of such boxes are stacked with respect to one another.

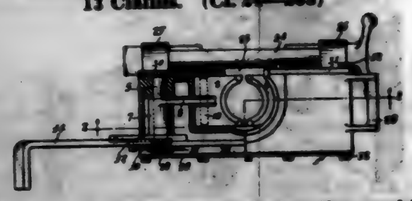
2,030,170
APPARATUS FOR MANUFACTURING TWISTED ARTIFICIAL YARNS OR THREADS
Albert W. Knight, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application October 19, 1932, Serial No. 638,490
6 Claims. (Cl. 112—9)



1. In apparatus for the production of packages of textile material, the combination with a device for twisting and winding textile material and a guide for said material, of means for mov-

ing said guide with respect to said device, said means comprising a vertically reciprocating rod on which said guide is carried, a shaft, a wheel journaled thereon, a flexible member connecting said rod and said wheel, means for preventing the free downward movement of said rod and means for rotating said shaft.

2,030,111
SPIDER
Spencer W. Lang, Redondo Beach, Calif., assignor to The National Superior Company, Toledo, Ohio, a corporation of Delaware
Application March 5, 1935, Serial No. 9,373
13 Claims. (Cl. 24—263)



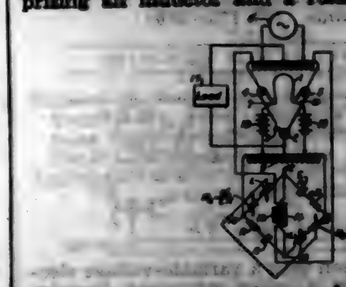
1. In a well tube gripping device, the combination of a body having a tapered opening providing a slip-engaging seat, slips mounted within the body on the tapered seat to engage a well tube, means including a pivotedly mounted member having an oscillating movement for actuating said slips from gripping position to a retrieved position and vice versa, means including a yieldable element secured to the body and connected with said member eccentrically of its axis of rotation, said means acting to normally urge the rotation of said member in one direction to maintain the slips in engagement with the well tube when the slips are moved to the gripping position, and acting to normally urge the rotation of said member in a counter direction to hold the slips in the retrieved position when the slips are moved to said latter position.

2,030,112
ALLOY
Erwin F. Lowry, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
No Drawing. Application October 30, 1929, Serial No. 403,664
4 Claims. (Cl. 75—1)

1. An improved alloy of nickel-cobalt base having a high mechanical, electrical and oxidation resistance consisting of about 40% to 85% nickel, and about 40 to 10% cobalt, their sum being about 80 to 95%, and the balance being approximately 20% to 5% iron plus titanium, the titanium ranging from about 10% to 1% of the total alloy.

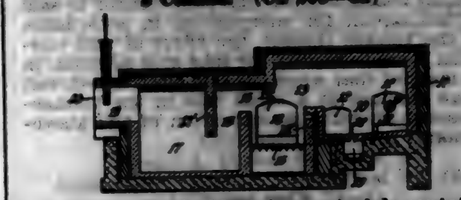
2,030,113
ELECTRIC CONTROL SYSTEM
Frederick W. Lyle, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 8, 1934, Serial No. 738,983
1 Claim. (Cl. 250—27)

In combination with an alternating-current source, an electrical discharge device comprising an anode, a control electrode and a cathode, a four-armed network of the bridge type having one pair of diagonally opposite corners energized by alternating current by said source, and its other pair of diagonally opposite corners connected to impress a voltage between said control electrode and said cathode, one pair of opposite arms of said network each comprising a resistor and a capacitor in series, the ratio of resistance to reactance being the same for both arms, and the other pair of opposite arms of said network comprising an inductor and a resistance in series,



the product of the resistances of any two adjacent arms plus the product of their reactances being equal to zero, the quotient of the impedances of pairs of opposite arms being the same, and means to vary the impedances of a pair of opposite arms without varying the quotient of their impedances.

2,030,114
DESTRUCTOR
Arthur H. Mann, Nyack, N. Y., assignor to Mann Bonjer Destructor Company, Inc., New York, N. Y., a corporation of Delaware
Application October 5, 1931, Serial No. 566,155
5 Claims. (Cl. 263—53)



1. The method of burning materials containing recoverable metal which is characterized by initially burning the materials with a restricted amount of air to convert the combustible contents into smoke and gas at low temperatures so as not to injure the metal, then conducting said smoke and gases away from the point of initial burning, and heating the same with an adequate supply of air to effect a safe and complete combustion of the gases and smoke.

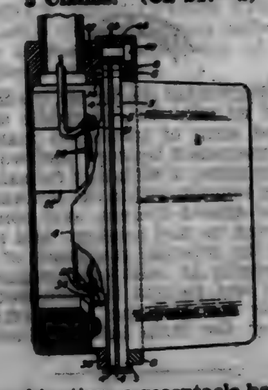
5. A destructor for burning materials which may evolve objectionable smoke or fumes or are highly inflammable comprising in combination a heat supply chamber having therein means for supplying hot burning gases and air, a combustion chamber, a passage connecting said chamber through which said hot burning gases and air may pass into said combustion chamber, a burning chamber having a substantially imperforate hearth, said burning chamber being closed to prevent uncontrolled admission of an excess of air but provided with means for admitting a controlled limited supply of air in which said materials may be initially burned slowly and at low temperatures in said burning chamber isolated from the heating effect of said heat supply chamber, said burning chamber being spaced from the path of said hot burning gases so that said materials are not subjected to the direct heating action thereof, said burning chamber connected with said passage at a point remote from said materials so that the latter do not lie in the path of said hot gases, and an insulating wall for shielding said materials from the heat of said heat supply chamber.

2,030,115
ELECTRIC PLUG
Bernard F. Muldoon, Mountain View, N. J., assignor to Henry Hyman, Brooklyn, N. Y.
Application May 4, 1929, Serial No. 360,566
2 Claims. (Cl. 173—361)



1. In an electric plug, a cap of insulating material having a single opening through the center thereof, parallel blade terminals extending from the face of said cap, electric wires extending through said opening and connected to said blade terminals, and a ring of insulating material integrally connected to said cap in two places opposite said blade terminals and lying in a plane parallel to said terminals, the insulating material of which said ring is made being solid in cross section and also being enlarged where it is connected to said cap said single opening being located between the places where said ring is connected to said cap.

2,030,116
DETACHABLE WATT HOUR METER
William C. Nein, White Plains, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 27, 1934, Serial No. 750,283
5 Claims. (Cl. 247—8)

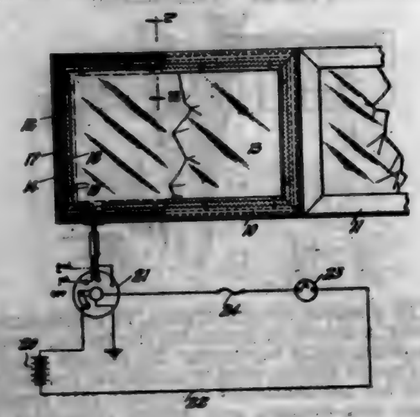


1. In combination, a receptacle having an open side and electrical contact surfaces disposed therein extending in a plane substantially parallel to the plane defined by said open side, an encased electrical instrument having a base portion proportioned to close said open side, contacts on said base spaced in accordance with the spacing of said receptacle contact surfaces and extending in substantially the same plane therewith when said base portion is in receptacle-closing position.

2,030,117
WINDSHIELD HEATER
Luther T. Page, Richmond, Va.
Application July 14, 1934, Serial No. 735,121
2 Claims. (Cl. 219—19)

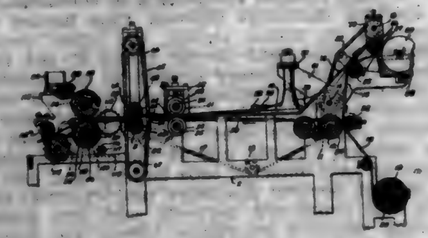
1. A heated windshield as characterized comprising a plurality of layers of transparent glass,

said layers at their outer edges being turned inwardly and toward each other thereby providing a peripherally continuous seat at said outer edges and an open space between the other parts of the layers for providing a clear vision, each of said layers having inwardly projecting posts with respect to each other extending substantially the distance of the open space and being integral



parts of said layers and retaining the layers in constant spaced relation, a plurality of heating elements extending peripherally adjacent the inside of the several peripheral edges of the layers, said elements providing each a plurality of sections and each section being parallel to the next adjacent peripheral edge of the layers, and passing next to the posts said sections being held in spaced relation by the said integral posts.

2,030,118
PROCESS AND MACHINE FOR LONG LIP BAGS
George W. Peppe, Brooklyn, N. Y., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y., a corporation of New York
Application August 8, 1931, Serial No. 555,893
15 Claims. (Cl. 93—18)

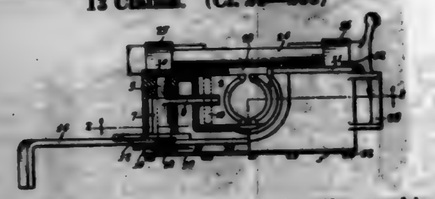


1. The process of making a paper bag which consists in making successive transverse cuts in the respective wall of a bag tube creating a slack in the tube prior to making the first transverse cut and creating a further slack between the time of making the first and second cuts.

5. In a machine for making paper bags having mechanism for forming a bag tube and having opposed transverse cutting edges for severing the walls of the tube to form individual bags; the combination with means for severing one wall of the bag tube, means for feeding the bag tube and means for subsequently severing the other wall thereof.

ing said guide with respect to said device, said means comprising a vertically reciprocating rod on which said guide is carried, a shaft, a wheel journaled thereon, a flexible member connecting said rod and said wheel, means for preventing the free downward movement of said rod and means for rotating said shaft.

2,030,111
SPIDER
Spencer W. Long, Redondo Beach, Calif., assignor to The National Superior Company, Toledo, Ohio, a corporation of Delaware
Application March 5, 1935, Serial No. 9,373
13 Claims. (Cl. 24—263)



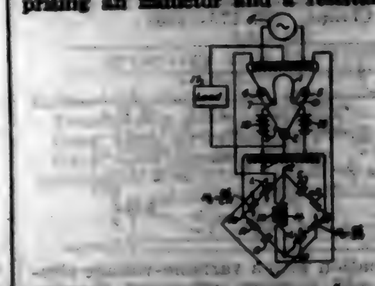
1. In a well tube gripping device, the combination of a body having a tapered opening providing a slip-engaging seat, slips mounted within the body on the tapered seat to engage a well tube, means including a pivotedly mounted member having an oscillating movement for actuating said slips from gripping position to a retrieved position and vice versa, means including a yieldable element secured to the body and connected with said member eccentrically of its axis of rotation, said means acting to normally urge the rotation of said member in one direction to maintain the slips in engagement with the well tube when the slips are moved to the gripping position, and acting to normally urge the rotation of said member in a counter direction to hold the slips in the retrieved position when the slips are moved to said latter position.

2,030,112
ALLOY
Erwin F. Lowry, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
No Drawing. Application October 29, 1932, Serial No. 643,854
4 Claims. (Cl. 75—1)

1. An improved alloy of nickel-cobalt base having a high mechanical, electrical and oxidation resistance consisting of about 40% to 85% nickel, and about 40 to 10% cobalt, their sum being about 80 to 95%, and the balance being approximately 20% to 5% iron plus titanium, the titanium ranging from about 10% to 1% of the total alloy.

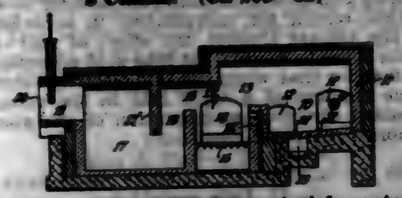
2,030,113
ELECTRIC CONTROL SYSTEM
Frederick W. Lyle, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 8, 1934, Serial No. 738,983
1 Claim. (Cl. 250—27)

In combination with an alternating-current source, an electrical discharge device comprising an anode, a control electrode and a cathode, a four-armed network of the bridge type having one pair of diagonally opposite corners energized by alternating current by said source, and its other pair of diagonally opposite corners connected to impress a voltage between said control electrode and said cathode, one pair of opposite arms of said network each comprising a resistor and a capacitor in series, the ratio of resistance to reactance being the same for both arms, and the other pair of opposite arms of said network comprising an inductor and a resistance in series,



the product of the resistances of any two adjacent arms plus the product of their reactances being equal to zero, the quotient of the impedances of pairs of opposite arms being the same, and means to vary the impedances of a pair of opposite arms without varying the quotient of their impedances.

2,030,114
DESTRUCTOR
Arthur H. Mann, Nyack, N. Y., assignor to Morse Boulger Destructor Company, Inc., New York, N. Y., a corporation of Delaware
Application October 5, 1931, Serial No. 566,986
5 Claims. (Cl. 262—52)



1. The method of burning materials containing recoverable metal which is characterized by initially burning the materials with a restricted amount of air to convert the combustible contents into smoke and gas at low temperatures so as not to injure the metal, then conducting said smoke and gases away from the point of initial burning, and heating the same with an adequate supply of air to effect a safe and complete combustion of the gases and smoke.

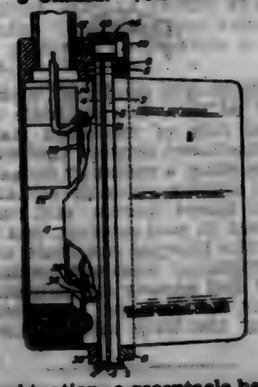
5. A destructor for burning materials which may evolve objectionable smoke or fumes or are highly inflammable comprising in combination a heat supply chamber having therein means for supplying hot burning gases and air, a combustion chamber, a passage connecting said chamber through which said hot burning gases and air may pass into said combustion chamber, a burning chamber having a substantially imperforate hearth, said burning chamber being closed to prevent uncontrolled admission of an excess of air but provided with means for admitting a controlled limited supply of air in which said materials may be initially burned slowly and at low temperatures in said burning chamber isolated from the heating effect of said heat supply chamber, said burning chamber being spaced from the path of said hot burning gases so that said materials are not subjected to the direct heating action thereof, said burning chamber connected with said passage at a point remote from said materials so that the latter do not lie in the path of said hot gases, and an insulating wall for shielding said materials from the heat of said heat supply chamber.

2,030,115
ELECTRIC PLUG
Bernard F. Muldoon, Mountain View, N. J., assignor to Henry Hyman, Brooklyn, N. Y.
Application May 4, 1929, Serial No. 360,566
2 Claims. (Cl. 173—361)



1. In an electric plug, a cap of insulating material having a single opening through the center thereof, parallel blade terminals extending from the face of said cap, electric wires extending through said opening and connected to said blade terminals, and a ring of insulating material integrally connected to said cap in two places opposite said blade terminals and lying in a plane parallel to said terminals, the insulating material of which said ring is made being solid in cross section and also being enlarged where it is connected to said cap said single opening being located between the places where said ring is connected to said cap.

2,030,116
DETACHABLE WATT HOUR METER
William C. Nein, White Plains, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 27, 1934, Serial No. 750,283
5 Claims. (Cl. 247—8)

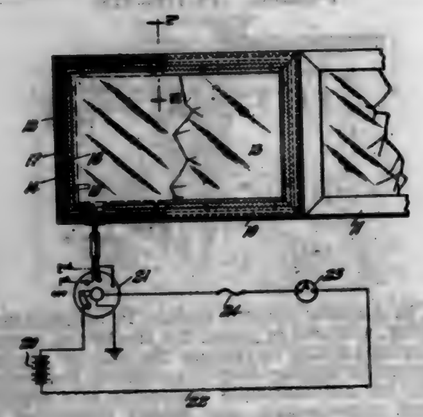


1. In combination, a receptacle having an open side and electrical contact surfaces disposed therein extending in a plane substantially parallel to the plane defined by said open side, an encased electrical instrument having a base portion proportioned to close said open side, contacts on said base spaced in accordance with the spacing of said receptacle contact surfaces and extending in substantially the same plane therewith when said base portion is in receptacle-closing position.

2,030,117
WINDSHIELD HEATER
Luther T. Page, Richmond, Va.
Application July 14, 1934, Serial No. 735,121
3 Claims. (Cl. 219—19)

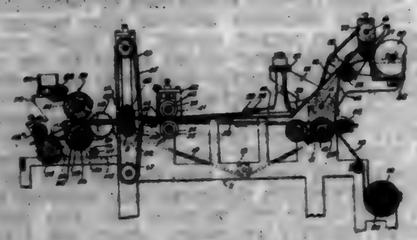
1. A heated windshield as characterized comprising a plurality of layers of transparent glass,

said layers at their outer edges being turned inwardly and toward each other thereby providing a peripherally continuous seat at said outer edges and an open space between the other parts of the layers for providing a clear vision, each of said layers having inwardly projecting posts with respect to each other extending substantially the distance of the open space and being integral



parts of said layers and retaining the layers in constant spaced relation, a plurality of heating elements extending peripherally adjacent the inside of the several peripheral edges of the layers, said elements providing each a plurality of sections and each section being parallel to the next adjacent peripheral edge of the layers, and passing next to the posts said sections being held in spaced relation by the said integral posts.

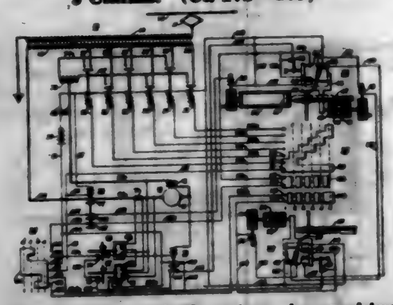
2,030,118
PROCESS AND MACHINE FOR LONG LIP BAGS
George W. Poppe, Brooklyn, N. Y., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y., a corporation of New York
Application August 8, 1931, Serial No. 555,893
15 Claims. (Cl. 93—18)



1. The process of making a paper bag which consists in making successive transverse cuts in the respective wall of a bag tube creating a slack in the tube prior to making the first transverse cut and creating a further slack between the time of making the first and second cuts.

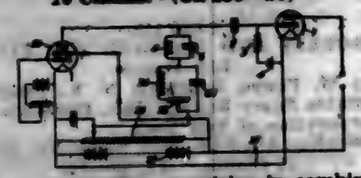
5. In a machine for making paper bags having mechanism for forming a bag tube and having spaced transverse cutting edges for severing the walls of the tube to form individual bags; the combination with means for severing one wall of the bag tube, means for feeding the bag tube and means for subsequently severing the other wall thereof.

2,030,119
CONTROL SYSTEM
Frank B. Powers, Forest Hills, and Charles C. Whittaker, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 9, 1934, Serial No. 729,868
9 Claims. (Cl. 172—179)



1. In a motor control system, in combination, a motor, a source of power for the motor, means for automatically increasing the voltage applied to the motor step-by-step to accelerate the motor, means for automatically decreasing said applied voltage step-by-step, and means responsive to the power supplied to the motor for controlling the operation of said voltage applying means.

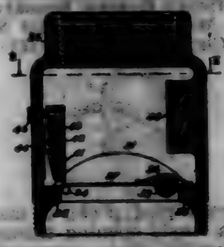
2,030,136
SUPERREGENERATIVE RECEIVING SYSTEM
Neil Mayer East and Robert Francis O'Neill, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware
Application April 18, 1933, Serial No. 666,866
In Great Britain April 22, 1932
10 Claims. (Cl. 250—20)



1. A radio receiver comprising in combination, an electron discharge detector tube having an input and an output circuit, the input circuit including a resonant circuit tuned to the frequency of signal energy desired to be received, a second electron discharge tube provided with external circuits connected so as to produce a negative resistance effect across two points of said external circuits, circuit elements common to one of said detector tube circuits and one of the second electron discharge tube external circuits and connected between said two points whereby negative resistance effects are transferred to the detector tube and means connected with said external circuits for periodically rendering the second discharge tube inoperative to produce any negative resistance effects across said terminals.

2,030,131
PRESSURE RELIEF VALVE
Thomas G. A. Silsby, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application December 19, 1932, Serial No. 647,930
11 Claims. (Cl. 251—115)

5. In a pressure relief valve, a casing having a passageway therethrough, pins extending through said casing, a flexible valve rotatably mounted on one of said pins, a pin extending into the casing forming an abutment for said valve in one position thereof, a spring associated with said valve and tending to retain the same against said abutment pin, a latch pivotally mounted on another of said first mentioned pins and operative under



normal conditions to retain said valve against said abutment pin, said latch being inoperative under abnormal conditions to retain said valve in said position, a spring associated with said latch and tending to retain the same in a predetermined position, and adjustable means acting against said spring to permit variation of the position of said latch.

2,030,132
ELECTROLYTIC CONDENSER
Willem Frederik Straub and Hendricus Johannes Lemmens, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware
Application February 11, 1933, Serial No. 656,252
In Germany February 12, 1931
3 Claims. (Cl. 175—315)



1. In an electrolytic condenser, a compact roll composed of at least two electrode sheets and an undulated strip of insulation material, said strip being interposed between the two sheets so as to separate same, a container for said roll and an electrolyte solution within the container adapted to fill the spaces therein, said compact roll being immersed in said solution, and means for determining the internal resistance of the condenser comprising at least one conducting strip supported by and passing through said strip at several points for bringing the electrolyte on either side of the strip into conductive relationship.

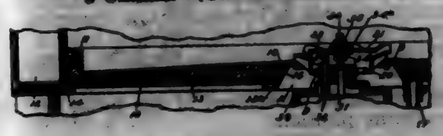
2,030,133
ROTARY PROJECTOR HEAD FOR OIL BURNERS
Homer A. Tiffany, Clifton, N. J.
Application April 17, 1930, Serial No. 445,069
15 Claims. (Cl. 158—97)



1. Apparatus of the class described, including a firebox, a hearth closing in the bottom thereof, an upstanding impact wall adjacent the periphery of the hearth, and a power driven centrifugal head discharging air and spraying oil in such

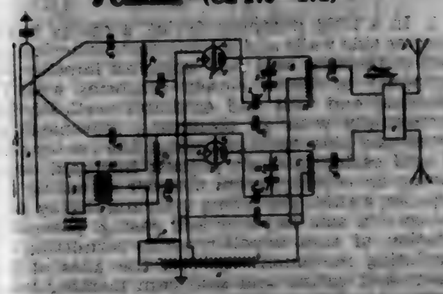
relation that combustion is initiated by impact upon and disturbance thereof, by said peripheral upstanding wall; said head including means for projecting substantially radial layers of oil and air radially against said wall, the oil projecting means including horizontally disposed discharge spouts projecting above the level of the top of the head and communicating with a supply trough within the hollow head, the air projecting means including a fan for creating an air draft under the oil.

2,030,134
METHOD FOR BURNING LIQUID FUELS
Homer A. Tiffany, Glen Rock, N. J.
Original application April 17, 1930, Serial No. 445,068. Divided and this application March 11, 1935, Serial No. 10,546
5 Claims. (Cl. 158—117.5)



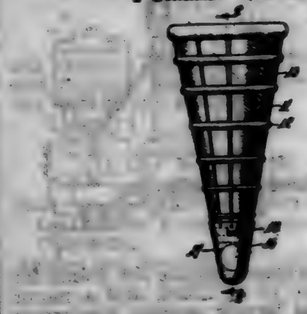
2. The method of effecting combustion in a chamber having a surface to be heated, which comprises impinging individual liquid fuel streams against said surface; passing a stream of air in the general direction of the fuel streams toward said surface in sufficient quantity to support combustion of the fuel streams; mixing said air and fuel streams substantially solely closely adjacent the locus of fuel impingement on said surface; and burning the mixture at said surface.

2,030,135
FREQUENCY MODULATION APPARATUS
George Lindley Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 25, 1933, Serial No. 690,905
9 Claims. (Cl. 179—171)



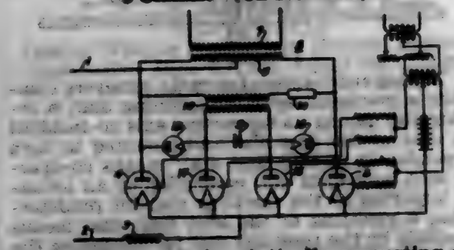
1. A frequency modulation system comprising a pair of thermionic oscillation generators each having input and output electrodes connected in circuits adjusted so as to normally operate on opposite sides of a mean operating frequency, a U-shaped frequency controlling transmission line, circuits coupling a control electrode of each of said oscillation generators to said line whereby said generators both operate at said mean operating frequency, a common output circuit, separate tuned tank circuits connected in the output electrodes of each tube for feeding energy from each of said generators to said common output circuit, and means for varying the relative strengths of oscillations generated by each of said oscillation generators whereby the frequency of energy in said common output circuit is varied.

2,030,126
FAVOR-CARRYING ICE CREAM CONE
Clarence W. Vogt, Louisville, Ky., assignor, by mesne assignments, to Vogt Processes, Incorporated, Louisville, Ky., a corporation of Delaware
Application June 13, 1933, Serial No. 675,549
4 Claims. (Cl. 99—16)



1. A truncated ice cream cone and a tapered favor-carrying thimble fitted over the truncated end of the cone and reinforcing the latter, said thimble including inwardly presented spring tongues, and said cone being shaped for engagement by said tongues.

2,030,127
GRID-CONTROLLED ELECTRIC VACUUM DISCHARGE APPARATUS
Jürgen von Issendorff, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 1, 1933, Serial No. 663,933
In Germany April 8, 1932
5 Claims. (Cl. 175—363)

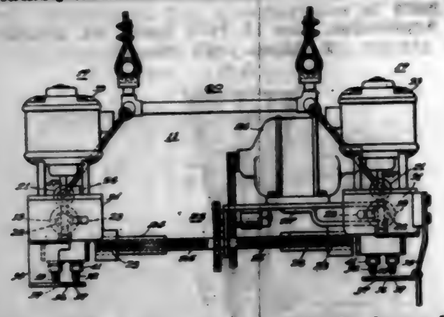


1. An apparatus for statically converting electrical power into alternating current of any frequency having in combination a direct-current source, a transformer, a plurality of main grid-controlled arc valves, a commutating condenser interconnected between the conductors of the primary winding of said transformer so as to be impressed with frequency of the produced alternating current, noncontrolled auxiliary electric valves connected between the conductors of the primary winding of said transformer and the condenser, other grid-controlled valves connected between the direct-current source and each side of the condenser and an auxiliary transformer connected across the condenser to charge the same independently of said auxiliary valves.

2,030,128
HOISTING APPARATUS
John E. Webster, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1935, Serial No. 570,454
7 Claims. (Cl. 294—67)

1. A grab for use in lifting wooden crates or

the like comprising, in combination, a main frame, and a plurality of grab heads carried by the main frame, each of the grab heads comprising a frame, a plurality of operating members rotatably mounted on the frame, threaded means



on the operating members outside the frame for engaging the article to be lifted, and a motor for each grab head having driving connection with the operating members for rotating the threaded means into or out of engagement with the wooden crate.

2,030,129

TUNING MECHANISM

Alfred G. Wheller, Los Angeles, Calif.

Application August 22, 1933, Serial No. 686,288

9 Claims. (Cl. 250—20)



1. Tuning mechanism for radio receivers comprising a manually actuatable tuning dial; a resetting dial having its supporting axis co-incident with that of the first dial and mounted to turn independently of said first dial; means co-operable with both dials and controlled by an actuation imparted to the resetting dial for predetermining a resetting of the first dial; and means actuatable by the resetting dial for rendering the co-operable means active for a resetting of said first dial at the expiration of a predetermined period of time.

2,030,130

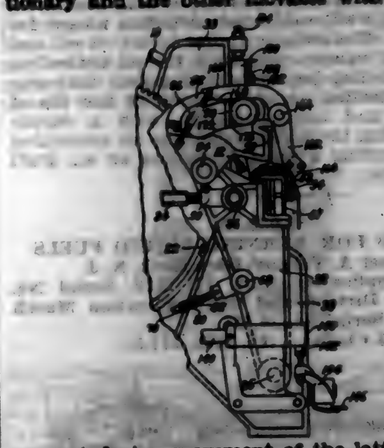
MACHINE FOR OPERATING UPON HIDES, SKINS, AND LEATHER

Robert F. Whitney, Winchester, Mass., assignor to The Turner Tanning Machinery Company, Portland, Maine, a corporation of Maine

Application July 7, 1934, Serial No. 734,117

20 Claims. (Cl. 149—14)

1. In a machine for operating upon hides, skins and leather, a tool for treating the work, a work support movable between work receiving and work presenting positions with respect to said tool, said work support being stationary in its work presenting position while said tool is operating on a piece of work, a member for clamping the work on the work support just before the work is pressed against the tool, and co-operating cam members arranged to move the work clamping member to operative position as the work support moves to present the work to said tool, one of said cam members being stationary and the other movable with the work



support during movement of the latter to work presenting position.

2,030,131

LIQUID AND FLUID ACTUATING DEVICE

Alois Wicha, Dresden, Germany, assignor to Kreuphe, Inc., Brooklyn, N. Y., a corporation of New York

Application May 27, 1932, Serial No. 613,245

In Germany January 17, 1932

14 Claims. (Cl. 103—123)



1. In a fluid pumping device, a casing having interior side walls and a continuous spherical end wall connecting said side walls, an impeller, the periphery of which closely conforms with the spherical end wall and oscillates vertically and horizontally with an oscillating movement between said side walls and about the center point of said casing, a shaft passing into said casing having an eccentric cam member actuating said impeller, a guide key fitting into, and sliding within, slots in said impeller and casing, preventing rotation of said impeller while permitting the oscillating movement thereof, the axes of said shaft, said casing and said cam member intersecting at said center point, the intersection of said slots crossing the axis of said shaft during said oscillating movement.

2,030,132

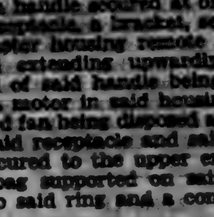
MOLD FOR MAKING COMMUTATORS

Vincent G. Apple, deceased, late of Dayton, Ohio, by Herbert F. Apple, Edward M. Apple, and Geerley Darroch, executors, Dayton, Ohio

Original application May 16, 1929, Serial No. 362,469. Divided and this application January 24, 1933, Serial No. 652,725

3 Claims. (Cl. 18—43)

1. For making commutators from a series of separate segments each of which has an outwardly turned anchor at the one end and an inwardly turned anchor at the other end, a mold comprising a hollow body in the form of a cup having a smooth interior equal to the diameter of the commutator to be made, means on the upper edge of said cup for engaging said risers and means in the bottom of the cup for engaging said anchors, both said engaging means holding



said segments against radially inward movement in circumferentially spaced apart relation around the periphery of the interior of the cup to compose of said segments a hollow cylinder having the spaces between adjacent segments entirely vacant, and means to mold a single mass of insulation into the said hollow cylinder and the said vacant spaces.

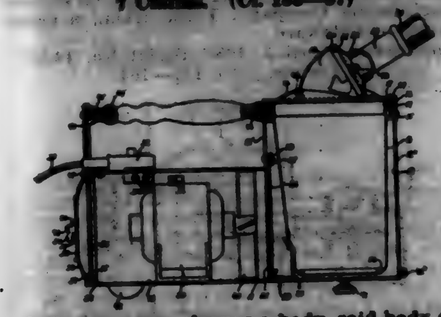
2,030,133

VACUUM CLEANER

Berry A. Baxter, Altadena, Calif., assignor to Gladys C. Baxter, Altadena, Calif.

Application February 14, 1934, Serial No. 711,145

7 Claims. (Cl. 183—57)



2. In a vacuum cleaner a body, said body comprising a motor housing at one end and a receptacle at the other end, the axis of said motor housing being at an angle to the axis of said receptacle, a handle secured at one end to the top of said receptacle, a bracket, secured to the end of said motor housing remote from said receptacle and extending upwardly therefrom, the other end of said handle being secured to said bracket, a motor in said housing, a fan on said motor, said fan being disposed adjacent the juncture of said receptacle and said motor housing, a ring secured to the upper end of said receptacle, a bag supported on said ring, a closure secured to said ring and a conduit on said closure.

2,030,134

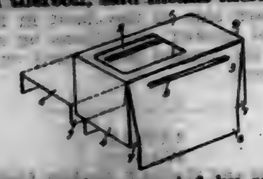
COVERING DEVICE

John A. Bergmeier, Hinsdale, Ill.

Application April 7, 1934, Serial No. 719,525

7 Claims. (Cl. 220—7)

1. A sheet metal top cover for food packages and the like made of cardboard and intended to be opened by rupturing the top of the package, said cover comprising a top wall substantially conforming in size to the top of the package to which the cover is to be applied, and means depending from said top wall and frictionally engageable with the walls of the package to retain the cover in position thereon, said means including exter-



nal gripping members carried by said top wall and movable relative to each other so as to grip the sides of the package.

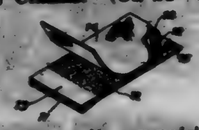
2,030,135

ADHESIVE UNIT

Harry E. Carpenter, Los Angeles, Calif., assignor to Ad-Here Paper Company, a corporation of California

Application November 1, 1932, Serial No. 640,623

7 Claims. (Cl. 24—67)



7. An adhesive unit comprising an adhesive strip having both sides coated with pressure sensitive adhesive material, and a detachable non-adhesive cover strip on one side of said adhesive strip, said adhesive strip comprising a single thickness of material which is of substantially uniform thickness throughout its entire area, the uncovered side of said adhesive strip being attachable to a surface by pressure on the cover strip.

2,030,136

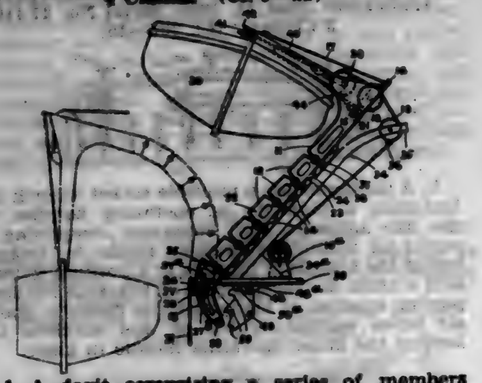
SHIP'S DAVIT

George William Carr, North Shields, England

Application June 6, 1934, Serial No. 729,281

In Great Britain June 14, 1933

4 Claims. (Cl. 9—22)



1. A davit comprising a series of members hinged together in succession, coacting faces on said davit members limiting their relative movements, a transverse pivot permanently connecting the lowermost of said davit members to the ship's deck or side, boat supporting tackle coacting with the uppermost of said davit members, means for controlling the outboard swing of said davit members and for returning them to their inboard position, individual means associated with each of said davit members for ensuring that said davit members pivot in correct succession comprising hooked projections on the

lower inboard edges of said davit members, a rigid girder on the ship immediately adjacent to the inboard side of the davit in its inboard position, and hooked projections on said girder with which the hooked projections on the davit members coact.

2,030,137
WAGON
Roy E. Cheate and Waldo E. Redler, Cedar Rapids, Iowa, assignors to La Plant-Cheate Mfg. Co. Inc., Cedar Rapids, Iowa, a corporation of Delaware
Application February 27, 1932, Serial No. 595,578
4 Claims. (Cl. 298—35)



1. In a door opening and closing mechanism for a dump wagon, a winch mounted on one end of the wagon, the winch being disposed so that its axis of rotation is horizontal and parallel to the end of the wagon and means for operating the winch hydraulically comprising a hydraulic jack, a cable leading from the hydraulic jack, a shaft disposed to be removably connected to the shaft of the winch and means for rotating the last-named shaft by means of the cable from the hydraulic jack.

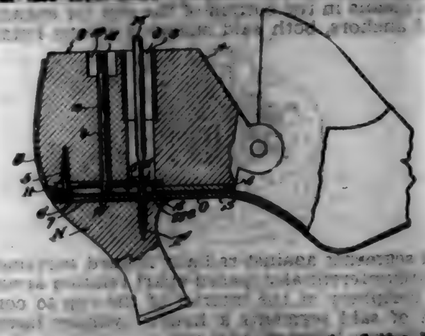
2,030,138
TOOL SET AND CONTAINER THEREFOR
William F. Castelle, New Britain, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application June 19, 1935, Serial No. 27,410
6 Claims. (Cl. 206—16)



1. A container for a multiple socket wrench set including a plurality of operating handles or the like adjuncts, said container comprising a casing for holding the sockets, means for locking one of the operating handles in a position to hold said sockets in place, a pair of brackets for supporting another of said operating handles, and a set screw carried by one of said brackets for locking the latter operating handle in place.

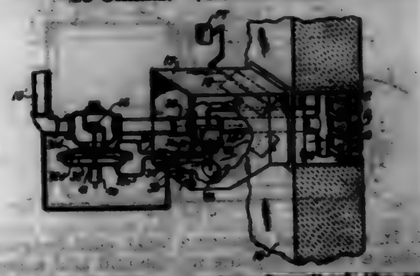
2,030,139
METHOD OF AND APPARATUS FOR ATTACHING SHOE HEELS
Michele Cuzzone, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 10, 1934, Serial No. 706,600
23 Claims. (Cl. 12—147)

1. That method of attaching heels to shoes which comprises as steps applying a heel to the heel-seat surface of a shoe mounted on a last, inserting a fastener element from the interior of the shoe through the shoe bottom and into the heel, causing the fastener to react against a part of the last, thereby to draw the heel toward the last and to press the heel firmly into engagement with the heel-seat surface of the shoe bottom,



thus maintaining such engagement of the heel and heel-seat while performing subsequent operations on the shoe, and employing said fastener as a means for permanently uniting the heel to the shoe bottom.

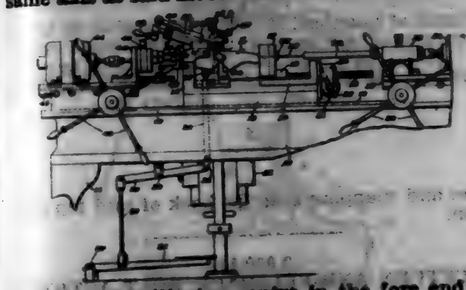
2,030,140
APPARATUS FOR PROPORTIONING THE FLOW OF GASES
Luther F. Day, Tulsa, Okla., assignor to Webster Engineering Company, Tulsa, Okla., a corporation of Delaware
Application April 3, 1935, Serial No. 14,297
15 Claims. (Cl. 137—154)



1. In apparatus of the class described, the combination comprising two conduits, a turnable member provided with two vanes that severally extend within the two said conduits and athwart the streams flowing therein, the areas of the vanes being severally less than the cross-sectional areas of the conduits, whereby the streams flow in continuous courses through the conduits and around the vanes and variation in the dynamic forces effects turning of the said member.

2,030,141
METHOD OF AND MACHINE FOR REFORMING LASTS
Jeremiah Fitzpatrick, East Weymouth, Mass.
Application July 7, 1934, Serial No. 734,126
13 Claims. (Cl. 144—209)

6. The method of reforming lasts in conformity with a model last which includes the steps of fixedly supporting a model last in a determinate position for defining the axis of said last, replacing with a fore block the fore part of each of the lasts to be reformed, fixing the heel portion only of each of the lasts to be reformed fitted with a new fore block as aforesaid in the same determinate position as the heel portion of said model last was fixed whereby it will have the same axis as said model last and while thus fixed



forming a positioning centre in the fore end of its fore block.

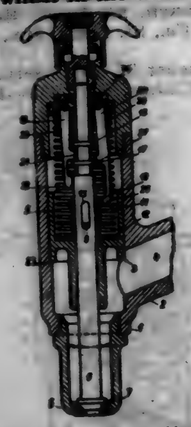
2,030,142
CHUCK
William F. Greene and George W. Lansing, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application December 10, 1934, Serial No. 756,727
15 Claims. (Cl. 82—40)



1. In a chuck, means presenting surfaces equidistant from the chuck axis at one side thereof, to receive a cylindrical part of a work piece and hold it coaxial with the chuck, said chuck having arcuate guides at opposite sides of said means, arcuate jaws guided in said guides, each to present an end to an area of the cylindrical part of the work, which areas are spaced apart along a line beyond the axis of the chuck from said surfaces, a single cam means acting against the opposite ends of both of said jaws to force them against said part of the work, and means on said chuck to engage another part of the work to cause the work piece to rotate with the chuck.

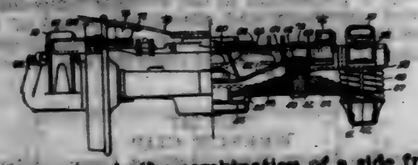
2,030,143
VALVE
Ernst Giger-Kaiser, Zurich-Hongg, Switzerland
Application August 1, 1934, Serial No. 737,579
In Germany August 16, 1933
7 Claims. (Cl. 251—84)

1. A valve for the purpose specified comprising a valve casing, a valve body in said casing, a pressure actuated element movably mounted in said casing, a cam member carried by said element, a spring operatively associated with said valve body, said spring normally tending to hold said body in its closed position, a second spring operatively associated with said pressure actuated element, two spring-actuated pawls pivotally mounted in said casing, said pawls co-operating with said cam member, teeth on said pawls, said teeth relatively spaced on said pawls, and means on said valve body for co-operation with said teeth, the arrangement being such that in one end position of the valve body the co-operating means thereon are engaged by the tooth of one of the pawls, whilst in the other end position of



the valve body the co-operating means thereon are engaged by the tooth of the other pawl.

2,030,144
TRUCK
John A. Lamont, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 21, 1931, Serial No. 552,158
26 Claims. (Cl. 105—186)



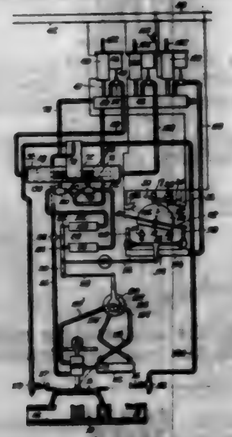
1. In a truck, the combination of a side frame including tension and compression members and spaced column guides integrally connecting said tension and compression members, a transom extending into the opening formed by said guides, spaced coil springs resiliently supporting said transom on said tension member, a spring seat on said transom, a bolster disposed adjacent said transom, and a leaf spring supporting said bolster and engaging said tension member between said coil springs and engaging said spring seat.

2,030,145
LOADING APPARATUS
Timothy F. McCarthy, Indiana, Pa., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 24, 1933, Serial No. 667,583
14 Claims. (Cl. 198—220)



1. In a loading apparatus, a shaker conveyor, a pan on the forward end of said shaker conveyor extending forwardly therefrom and being adapted to rest on the kerf bottom and be inserted in a kerf cut in a coal face, said pan having an open advance side and forward and substantially parallel to the kerf bottom and a retaining member on the retreating side thereof and being adapted to load while buried in the coal by feeding movement across the coal face while being reciprocated by said shaker conveyor.

2,030,146
AUTOMATIC CONTROL APPARATUS
Paul J. McCullough, St. Louis, Mo., assignor to Scullin Steel Co., St. Louis, Mo., a corporation of Delaware
Application August 31, 1931, Serial No. 560,388
10 Claims. (Cl. 236—1)



1. The method of controlling regenerative furnaces having regenerative chambers and valve mechanism for controlling the flow of combustion materials, which comprises producing a stream of fluid, the magnitude of which varies approximately in proportion to the average temperature in said chambers, and effecting reversal of the valve mechanism periodically, whenever a given volume of fluid has flowed since the last reversal.

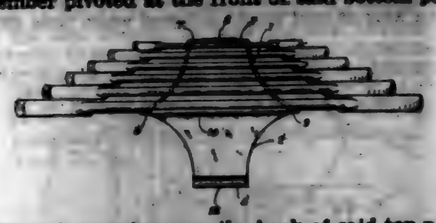
2,030,147
WRENCH CLIP
Walter Roy Moore, West Hartford, Conn., assignor to The Billings & Spencer Company, a corporation of Connecticut
Application January 16, 1932, Serial No. 587,885
12 Claims. (Cl. 206—16)



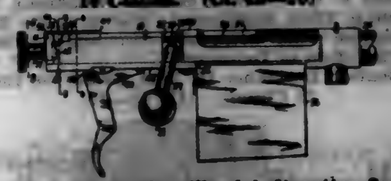
3. A clip for wrench sets comprising a holding member having spaced overlying wrench shank engaging portions on its opposite edges resiliently pressing the wrenches together, and a co-operating member pivoted on the free edge of one portion and having a resiliently mounted hood overlying the other portion and engageable with the connected edge of the same diagonally opposite said pivot.

2,030,148
WRENCH CLIP
John H. Coyle, Hartford, Conn., assignor to The Billings & Spencer Company, a corporation of Connecticut
Application July 5, 1932, Serial No. 620,793
14 Claims. (Cl. 206—16)

1. In a clip for wrench sets, a holding member having overlying wire holding portions projecting laterally therefrom in the same direction on its top and bottom, and a co-operating connecting member pivoted at the front of said bottom portion and snapping over the back of said top portion.

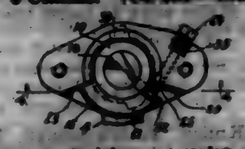


2,030,149
UPTURN-AND-PULLBACK BOLT-ACTION FIREARM
Oscar F. Mossberg, New Haven, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation
Application May 5, 1933, Serial No. 669,565
10 Claims. (Cl. 42—16)



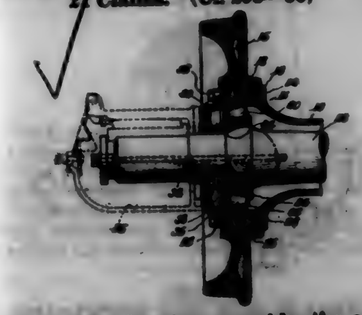
1. An upturn-and-pullback bolt-action firearm, including: a receiver provided with a safety-abutment; a bolt mounted in said receiver with capacity for both oscillating and reciprocating movement therein and having a safety-abutment; an operating-handle offsetting from the said bolt; a firing member having oscillating and reciprocating movement in the said bolt; and a pair of safety-abutments carried by the said firing-member and simultaneously movable therewith into longitudinal alignment—one with the safety-abutment of the said bolt and the other with the safety-abutment of the said receiver, when the operating-handle of the said bolt is in its upturned position.

2,030,150
VALVE
Erwin H. Mueller, Detroit, Mich.
Application December 2, 1934, Serial No. 755,755
6 Claims. (Cl. 251—163)



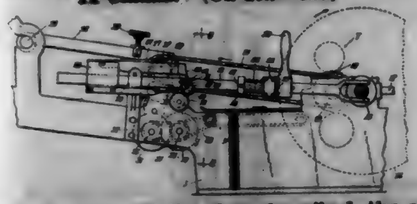
1. A valve comprising, a valve body with a valve seat therein and having a port, a valve member rotatable on the seat and having a port arranged to be brought into and out of alignment with the port in the valve body, fixed stops for limiting rotary movement of the valve member, one for limiting the movement when the ports are disaligned and one for limiting the movement when the ports are partially aligned, and a shiftable stop intermediate to fixed stops and past which the valve may be moved in either direction of rotary movement having a quick lift cam face on one side and a slow lift cam face on its opposite side, by means of which the said stop is shiftable, said shiftable stop being positioned to stop movement of the valve when the valve is in an intermediate position with the ports in substantially full alignment.

2,030,151
ANTIFRICTION WHEEL AND AXLE ASSEMBLY
Alfred H. Oelkers, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 28, 1929, Serial No. 335,648
27 Claims. (Cl. 295—36)



18. In a roller bearing assembly, the combination of race rings, rollers disposed therebetween, the inner of said race rings being in a plurality of parts having curved cooperating surfaces.

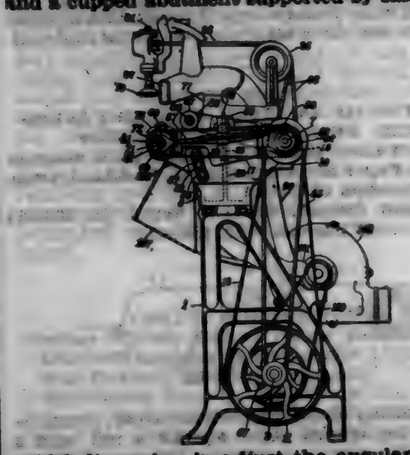
2,030,152
FEEDING DEVICE
Claude L. Peet, Chicago, Ill.
Application July 23, 1934, Serial No. 735,536
11 Claims. (Cl. 192—126)



1. In a device of the class described, the combination with paper feeding mechanism and driving means therefor having a driving connection therewith, of a shipper bar operatively related to said driving connection, a detector operatively related to said feeding mechanism and adapted to be actuated by paper of more than predetermined thickness fed thereby, a pawl and ratchet connected, respectively, to said shipper bar and detector and adapted to be actuated by the detector, and a continuously operated dog engageable with said pawl for actuating the shipper bar to disconnect the driving connection when said detector is actuated.

2,030,153
ABRADING MACHINE
Fred Bicke, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 22, 1932, Serial No. 588,967
In Great Britain February 4, 1933
1 Claim. (Cl. 51—102)

A shoe buffing machine comprising a frame, a pair of bearings supported by said frame, a substantially horizontal shaft journaled in said bearings, a pair of sleeves secured in said frame concentrically with said shaft, the internal diameters of said sleeves being greater than the diameter of said shaft, a bracket pivotally mounted on said sleeves, a buffing tool carried by said bracket, driving means between said shaft and said buffing tool, a swivel pin mounted in said bracket, a bolt threaded through said swivel pin, and a cupped abutment supported by said frame

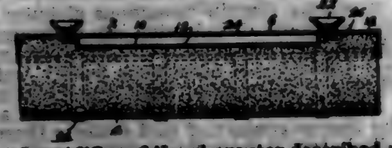


said bolt serving to adjust the angular position of said bracket about the axis of said shaft and thereby to determine the level of said buffing tool.

2,030,154
METHOD OF MAINTAINING THE FRESHNESS OF BREAD AND THE LIKE, AND APPARATUS USED IN THE PRACTICE OF THE METHOD
Robert W. Ritsert, Dayton, Ohio
Application January 8, 1932, Serial No. 585,433
3 Claims. (Cl. 99—19)

1. The method of maintaining the freshness of bread, which comprises depositing the bread in a closed container approximately the size of the mass of the bread, depositing said container in a second container enough larger than the first to leave a space therebetween, providing for evaporation of liquid in said space whereby to maintain an atmosphere therein more humid than the atmosphere in the bread container, and providing for producing an excessive evaporation of liquid when bread is first deposited in the container.

2,030,155
HUMIDIFIER
Louis V. Roberts and David Chalmers, Kansas City, Mo.
Application July 8, 1935, Serial No. 30,264
4 Claims. (Cl. 239—20)



1. A humidifier of the character described comprising a hollow rectangular holder open at its

bottom portion, porous material having a portion thereof fitting within said open bottom portion, and a reservoir arranged within the holder and provided with perforations through which water may flow and thus saturate the porous material.

2,030,156

PROCESS OF COATING CREPED PAPERS AND THE PRODUCT THEREOF

William Wallace Rowe, Cincinnati, Ohio, assignor to The Paper Service Company, Leckland, Ohio, a corporation of Ohio

Application January 16, 1931, Serial No. 509,163

17 Claims. (Cl. 154—33)



1. A process of coating creped paper, comprising bringing creped paper against a roll with a layer of the coating substance interposed therebetween and removing the paper from the roll by a doctor.

5. A process of coating stretchable paper which comprises stretching said paper to remove a portion of the residual stretch, coating said paper, and after said coating, re-creping said paper.

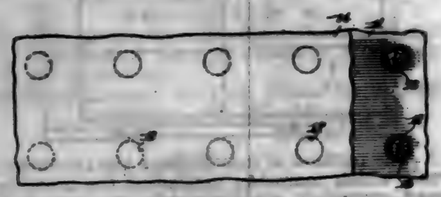
2,030,157

ACOUSTIC CONSTRUCTION

Vesper A. Schlesker, Orange, N. J., assignor of one-half to Edward H. Cunpeton, Brighton, N. Y.

Application February 2, 1931, Serial No. 512,921

15 Claims. (Cl. 181—30)



1. A selective sound-absorbing construction for absorbing a greater proportion of sound waves longer than a selected wave-length than of sound waves shorter than said selected wave-length, said construction comprising means forming a wall having areas of relatively high sound-absorbing capacity with spaces between them approximately equal to half of said selected wave-length.

2,030,158

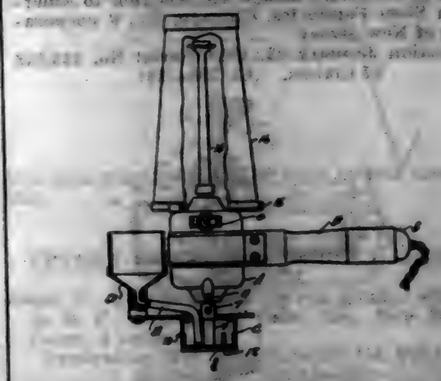
DEVICE FOR MAKING CREAM

Oscar Schwimmer, Los Angeles, Calif.

Application December 28, 1931, Serial No. 583,429

4 Claims. (Cl. 259—10)

1. A device for emulsifying an aqueous liquid and dispersing therein oleaginous globules comprising a rotary disk having an uninterrupted flat upper face, means to rotate said disk, means to feed a mixture of oleaginous matter and said liquid to a small area of said face whereby the disk centrifugally impels the mixture in a film by the viscous contact of said mixture therewith and discharges it from its periphery, and a shell encompassing and closely adjacent the periphery of said disk for impact of the impelled mixture thereagainst and its collection, the faces of said disk being free of any proximate confronting surfaces, the peripheral space between said disk and wall constituting an unimpeded discharge opening for immediate discharge of the emulsion.



2,030,159

AUTOMATIC CONTROL SYSTEM FOR ATOMIZING AND LIFTING OIL WITH GAS

Bernard E. Scott, Glendale, Calif.

Application October 1, 1934, Serial No. 746,290

10 Claims. (Cl. 166—228)



1. In an oil well, in combination with the well casing and the inner pipe for the upflow of oil, of an intermediate tube within said well casing and around said inner pipe, whereby to form an outer passageway, an intermediate passageway and an inner passageway, said well casing having openings therethrough for the admission of oil and gas from said well, means for preventing the upflow of oil and gas outside of said well casing, means entrapping said gas and directing it downwardly in said intermediate passageway, means for directing said gas from the lower end of said intermediate passageway into said inner oil pipe for atomizing and lifting said oil therein to the surface, means for controlling the flow of gas into said intermediate passageway, rotary means for controlling the admission of oil to said inner oil pipe to be lifted by said gas, and means for delivering said oil and gas mixture at the surface.

2,030,160

METHOD OF COVERING ARTICLES

William A. Wescomb, Andover, Mass., assignor to Shaw Lace Company, Boston, Mass., a corporation of Maine

Application April 4, 1934, Serial No. 719,830

2 Claims. (Cl. 36—36)



1. That improvement in methods of covering a rod-like article which consists in first coating an article with a cellulose derivative dissolved in a volatile solvent, and then, before the solvent has evaporated, applying to the article a fabric covering comprising strands of a cellulose derivative which are soluble in the solvent employed.

2,030,161

SHARPENER FOR THE BLADES OF EDGED TOOLS

Paul von der Lippen, Ohligs, Germany, assignor to Gerda von der Lippen, Highland Park, Ill.

Application June 2, 1933, Serial No. 674,611

In Germany May 3, 1933

2 Claims. (Cl. 76—36)



2. A sharpener comprising a peripherally grooved base provided with a blade guiding slot communicating with the periphery thereof and a metal rod, the ends whereof are roughened and hardened, disposed in said groove with said roughened and hardened ends projecting and crossing opposite the opening in said slot.

2,030,162

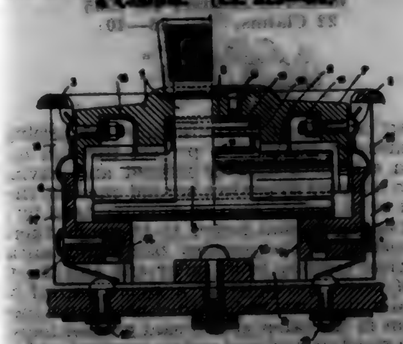
HEATING BLOCK FOR THE TREATMENT OF HAIR

Julien Warck, Vincennes, France

Application June 9, 1933, Serial No. 675,469

In France January 23, 1933

4 Claims. (Cl. 219—34)



3. A device for the treatment of hair which comprises a heat accumulator and a separate

junction box, said heat accumulator comprising pliers, an inner electrical resistance and conducting means connected with said resistance; said junction box comprising an insulating socket having the form of a hollow container, a support situated within said socket for carrying said pliers, and conducting means carried by said socket and contacting the first-mentioned conducting means, the second-mentioned conducting means receiving an electrical current and transmitting it to the first-mentioned conducting means and said resistance, said junction box receiving said heat accumulator and closely surrounding the same, whereby the loss of heat generated by said resistance is substantially reduced.

2,030,163

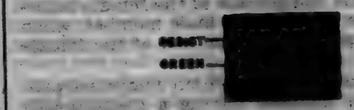
COLOR PHOTOGRAPHY

Thomas Thorne Baker, Hatch End, Middlesex, England, assignor to Dufaycolor Limited, London, England, a British company

Application May 28, 1934, Serial No. 728,631

In Great Britain June 5, 1933

5 Claims. (Cl. 95—31.5)



1. The process of making a multi-color screen for color photography which comprises applying one color to the surface of a suitable base, applying a pattern of inky resist to the colored surface by means of a printing surface having mercurial ink-repelling areas, bleaching the color from the portions of the colored surface unprotected by the resist, dyeing the bleached portions a second color and removing the resist.

2,030,164

FLUID RELEASE PACKER HEAD

James A. Crumley, Charleston, W. Va.

Application May 15, 1934, Serial No. 725,511

5 Claims. (Cl. 166—12)



1. In combination with well tubing and a packer, a member of tubular construction seated on the packer and having a passage therein extending through a side wall thereof and a tube rotatably arranged in said member and connected with the tubing and having a hole therein for registering with the passage when the tube has been rotated to a certain position.

2,030,145
RIVET AND METHOD OF SETTING THE SAME
Louis C. Huck, Grosse Pointe Village, Mich., assignor to Huxon Holding Corporation, Detroit, Mich., a corporation of Michigan
Application June 17, 1931, Serial No. 545,004
48 Claims. (Cl. 218—39)



2. A rivet comprising a tubular female member, a male member extending through the female member and having a head engaging one end of the latter, and means comprising a recess in one of the members for allowing radial contraction of the end portion of the female member adjacent the head on the male member, when such head is urged against the end of the female member.

6. The method of riveting which comprises providing a tubular member having a continuously annular body portion and a shank extending through the member and which projects beyond one end thereof and has a head for applying axially compressive forces against the outer end of the body portion, which comprises holding the end of the body portion adjacent the projecting end of the shank, pulling the latter end of the shank and applying axially compressive forces to the outer end of the body portion through said head while simultaneously causing the forces applied to said outer end of the body portion to be directed at an angle to and towards the axis of the rivet, and continuing the pull to form an annular outwardly bulbed head from said body portion between the ends and inwardly of the outer end of the latter.

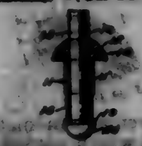
2,030,166
RIVET AND METHOD OF SETTING THE SAME
Louis C. Huck, Grosse Pointe, Mich., assignor to Huxon Holding Corporation, Detroit, Mich., a corporation of Michigan
Application March 31, 1932, Serial No. 602,170
32 Claims. (Cl. 218—29)



1. The method of riveting which comprises providing a tubular member, forming a reinforcing head on one end of the member and then applying axial forces through such head and in such manner as to stress the outer fibers of another part of the member to a greater extent than the inner fibers, and to bulb out said part.

5. A rivet comprising a tubular member in which portions thereof have different resistances to outward expansion, and means including a member extending through the first member for stressing the outer fibers of the latter, to an extent greater than the inner fibers are stressed.

2,030,167
RIVET
Ralph A. Miller, Detroit, Mich., assignor, by mesne assignments, to Huxon Holding Corporation, Detroit, Mich., a corporation of Michigan
Application August 28, 1931, Serial No. 560,826
17 Claims. (Cl. 85—37)



1. A rivet comprising a tubular body having a continuously annular wall, said wall having a portion intermediate its ends progressively varying in thickness, and portions at opposite sides of the first portion which are substantially of equal thickness.

2,030,168
RIVET
Ralph A. Miller, Detroit, Mich., assignor to Huxon Holding Corporation, a corporation of Michigan
Original application August 28, 1931, Serial No. 559,826. Divided and this application July 12, 1935, Serial No. 31,647
13 Claims. (Cl. 85—37)



1. A rivet comprising a tubular member, a pin extending through the tubular member and having a head at one end for applying axial forces to the adjacent end of the tubular member when the pin is moved relative to the latter and spreader means for enlarging the effective diameter of the head during application of axial forces against the end of the tubular member through the head.

2,030,169
RIVET
Louis C. Huck, Grosse Pointe, Mich., assignor to Huxon Holding Corporation, Detroit, Mich., a corporation of Michigan
Application April 22, 1932, Serial No. 606,750
Renewed January 12, 1935
22 Claims. (Cl. 85—40)



1. An article of manufacture comprising a rivet member adapted to project through openings in a structure to be riveted and having a portion adapted to project beyond one side thereof and to be bulbed into an annular head by applying opposed axial forces to the ends thereof, said portion of the member being substantially cylindrical entirely to its outer end and the wall thereof being continuously annular and of substantially uniform radial thickness, and means inherent in the outer end of said portion increasing the resistance of said end to bursting and substantially preventing its expansion when the bulbed head is to be formed.

2,030,170
RIVET
Louis C. Huck, Grosse Pointe, Mich., assignor to Huxon Holding Corporation, Detroit, Mich., a corporation of Michigan
Application June 7, 1932, Serial No. 615,864
26 Claims. (Cl. 85—40)



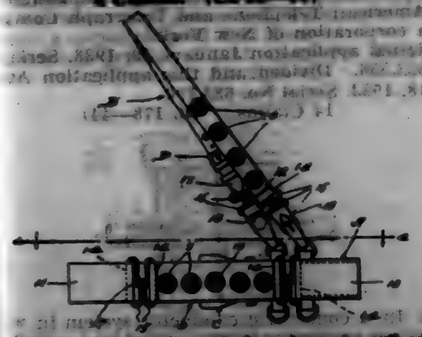
1. The method of manufacturing a rivet, which comprises forming a member with a tubular portion, forming a shank for extending into the tubular portion, forming an enlarged head on the shank, assembling the members, and prior to riveting flanging a part of the head over an end of the tubular member, to provide a substantial, axially directed, interlocking arrangement.

2,030,171
METHOD OF MANUFACTURING RIVETS
Louis C. Huck, Detroit, Mich., assignor to Huxon Holding Corporation, a corporation of Michigan
Original application April 12, 1932, Serial No. 604,753. Divided and this application January 24, 1935, Serial No. 2,262
11 Claims. (Cl. 10—27)



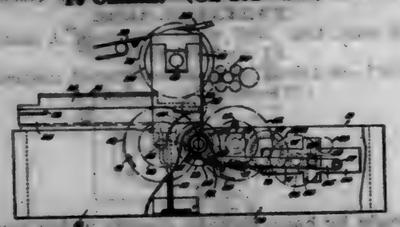
1. The method of manufacturing a rivet, which comprises forming a tubular member, forming a shank for extending through the tubular member, forming an annular surface recess in a part of one member, assembling the parts, and then rolling a part of such member not having said recess, into the latter, to lock parts of the member together.

2,030,172
SAFETY BELT
Carl Christian Kauffman, Conshohocken, Pa.
Application March 14, 1935, Serial No. 11,122
4 Claims. (Cl. 24—84)



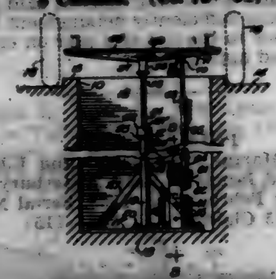
1. In a construction of the class described, a body encircling belt provided with an adjusting and retaining buckle, a predetermined section of said belt being separated from the adjacent end portions of the body of the belt, swivel coupling means joining the ends of said section to the adjacent ends of the body portion to render said section turnable, said section being provided on one face with a row of safety reflectors.

2,030,173
PRINTING PRESS
William H. Kelly, Westfield, N. J., assignor to American Type Founders Company, Elizabeth, N. J., a corporation of New Jersey
Application July 7, 1933, Serial No. 679,429
10 Claims. (Cl. 101—232)



1. A bed motion for a printing press of the two-revolution type provided with a frame and a reciprocating bed thereon adapted to execute a forward printing stroke and a reverse idle stroke, including, in combination, a pair of gear segments of at least 240° extent rotatively mounted adjacent each other on the frame, the axes of said segments being in the same horizontal plane, one segment being located next to the frame and the other one gear width therefrom, means for rotating said segments in opposite directions at the same constant angular velocity at the rate of two revolutions for each complete cycle of reciprocation of said bed, and means alternately driven by said segments and operatively connected with said bed for effecting reciprocation of the same at a uniform velocity for more than one-half of each stroke.

2,030,174
VEHICLE ROCKING MACHINE
Philip J. Kroll, Tulsa, Okla.
Application July 11, 1934, Serial No. 734,646
8 Claims. (Cl. 72—51)

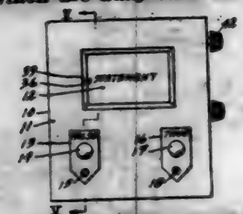


1. Apparatus of the character described comprising an elongated rocker adapted for arrangement beneath a motor vehicle and engageable against the bottom of the side frame members of the vehicle transversely thereof, a jack shaft pivotally connected at its upper end to said rocker substantially centrally of the length thereof, means for effecting vertical movement of said jack shaft to elevate the vehicle body, and means for oscillating said rocker about its pivotal connection with said jack shaft.

2,030,175
EDUCATIONAL DEVICE
George L. Le Fevre, Clarendon, Va., assignor of one-half to George S. Clark, Washington, D. C.
Application December 11, 1934, Serial No. 757,643
12 Claims. (Cl. 35—9)

1. In an educational device, a tape carrying true and false statements with one row of aper-

tures formed therein opposite the "true" statements and another row formed therein opposite the false statements, means to manipulate the tape, electrical circuits comprising signal switches adapted to be closed when in register with said apertures, switches marked respectively "true" and "false" which are adapted to be closed se-



lectively by hand signals, circuits which connect said tape controlled switches and signals in multiple to said manual switches, and a source of current connected to said circuits whereby the operation of either selective switch will pass current through the closed signal switch to its respective signal.

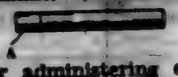
2,030,176

APPLICATOR FOR POWDERED MEDICAMENTS

Henry Hall Marshall, Jr., Garden City, N. Y., assignor to Hannath Co., Inc., New York, N. Y., a corporation of New York

Application June 24, 1935, Serial No. 732,061

2 Claims. (Cl. 128—260)



2. Means for administering extremely small doses of a powdered medicine on repeated applications of said means, comprising an applicator in the form of a cigarette and a coating of powdered medicine lightly adhered to the exterior surface adjacent one end thereof, said powdered medicine being sufficiently deliquescent to adhere in small doses to the lips of a user on each application of said applicator.

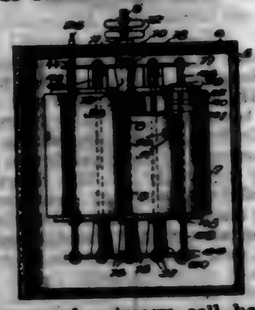
2,030,177

PRIMARY CELL

Martin L. Martus, Woodbury, and Edmund H. Becker and James G. Rose, Waterbury, Conn.

Application February 26, 1935, Serial No. 8,196

15 Claims. (Cl. 136—115)



1. An improved primary cell having a high capacity, great structural strength and regular discharge characteristics, said cell comprising an anode combination comprising a plurality of cylindrical zinc anode members joined in electrical union in parallel and a plurality of rod-like cathodes disposed within the cylindrical zinc members, suspension means extending the height of the electrodes, a supporting spider for all the electrodes attached to the upper portion of the suspension means and a similar spider attached to the bottom portion thereof, means for supporting the cathodes and the anode combination from the spiders and insulating the anodes from the cathodes, the cathodes being connected in parallel, electrical connections for the anodes and cathodes, a cell jar and means for positioning in the jar, the suspension means and elements attached thereto.

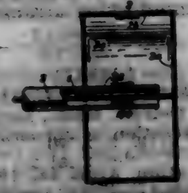
2,030,178

ELECTRICAL CIRCUIT ARRANGEMENT

Ralph K. Potter, Madison, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application January 19, 1932, Serial No. 652,556

39 Claims. (Cl. 178—44)



1. In a concentric conductor system in which an inner conductor is surrounded by a cylindrical conductor concentric therewith and acting as a return therefor, an electrical arrangement for association therewith and having the electrical properties of an inductance, said arrangement including a conductive enclosure surrounding at least one of the conductors and concentric therewith, the outer conductor extending into said enclosure a substantial part of its length said enclosure having a diameter large as compared with the conductor it surrounds and having a length independent of the wave length of the alternating current transmitted, and the interior conductive surface of said enclosure forming a conductive part of the path for the transfer of wave energy from one conductor to the other.

2,030,179

ELECTRICAL CIRCUIT ARRANGEMENT

Ralph Kimball Potter, Madison, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Original application January 19, 1932, Serial No. 652,556. Divided and this application August 18, 1932, Serial No. 629,790

14 Claims. (Cl. 178—44)



1. In a concentric conductor system in which an inner conductor is surrounded by a cylindrical conductor concentric therewith and acting as a return therefor, an electrical arrangement for association therewith and having inductive properties, said arrangement including a closed vessel enclosing said concentric conductor system, the outer conductor of said concentric conductor system being divided into two parts entering the enclosing vessel at different points, the inner concentric conductor being electrically continuous through the vessel, the length of the tank being substantially independent of the length of the electric waves.

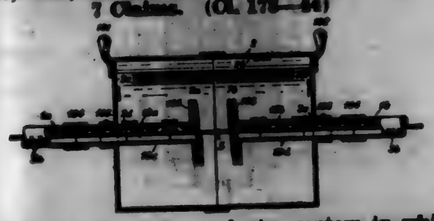
2,030,180

ELECTRICAL CIRCUIT ARRANGEMENT

Ralph Kimball Potter, Madison, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Original application January 19, 1932, Serial No. 652,556. Divided and this application August 18, 1932, Serial No. 629,791

7 Claims. (Cl. 178—44)



1. In a concentric conductor system in which an inner conductor is surrounded by a cylindrical conductor concentric therewith and acting as a return therefor, an electrical arrangement associated therewith and having the properties of a pi network including series inductance in one side of the line and impedances bridged across the line on each side of said inductance, said arrangement including a closed vessel enclosing said concentric conductor system, the outer conductor of said concentric conductor system being divided into two parts entering the enclosing vessel at different points, the inner concentric conductor being electrically continuous through the vessel, the inner conductive surface of said vessel forming a conductive part of the path for the transfer of wave energy from one part of said outer concentric conductor to the other and thereby creating an inductance in series with said outer conductor, and lumped impedances electrically connected in effect between said inner conductor and said outer conductor on each side of said inductance.

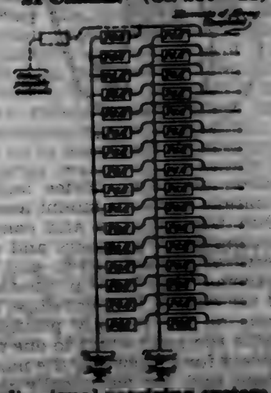
2,030,181

DIRECTIONAL RADIO SIGNALING

Ralph Kimball Potter, Madison, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application October 6, 1933, Serial No. 692,530

21 Claims. (Cl. 250—11)



1. A radio signal receiving system consisting of an array of more than two antenna elements and a plurality of receiving devices responsive to radio signals, separate means for unilaterally connecting each of said antenna elements to each of said receiving devices.

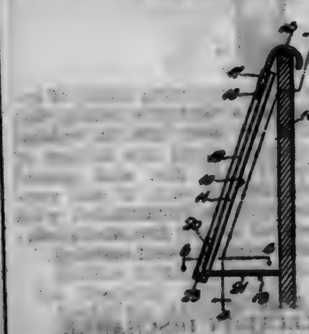
2,030,182

SOAP SHREDDER

Vernon J. Richards, Gary, Ind., and John M. Werner, Aurora, Ill.

Application December 14, 1934, Serial No. 757,578

1 Claim. (Cl. 146—177)



A spacer for the lower end of a suspensible member having tubular inclined beads along its edges; said spacer comprising a single length of wire having a substantially straight horizontal intermediate portion to abut a wall from which said member is suspended, two substantially straight and horizontal arm portions bent laterally in the same direction from the ends of said intermediate portion, said arm portions converging from said intermediate portion to the lower ends of said tubular beads, and two inclined shank portions bent upwardly at acute angles from the ends of said arm portions, said shank portions being secured in said lower ends of said tubular beads.

2,030,183

RAKE

Wenceslaus G. Rocquin, New Orleans, La., assignor to Valley Manufacturing Corporation, a corporation of Louisiana

Application February 24, 1933, Serial No. 658,392

8 Claims. (Cl. 55—114)



6. In a rake, the combination of a cross frame member having its front edge portion bent over and provided with a plurality of tine-receiving openings and having its rear edge portion return-bent inwardly and facing towards said front edge portion, the frame member being curved in transverse cross section; and a plurality of tines passing through said openings and having their rear ends disposed between the return-bent rear edge portion of said frame member and the frame member proper, the tines being curved in longitudinal cross section correspondingly to the curvature in the frame member whereby to resist displacement of the tines from the frame.

2,030,124
TUBE BASE
George M. Rose, Jr., Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 27, 1933, Serial No. 677,777
7 Claims. (Cl. 250—27.5)



1. A vacuum tube base comprising a disc of insulating material having a central opening, flat contact fins mounted on said disc to extend radially from said opening along one surface of and perpendicularly to said disc and spaced around the periphery thereof, each of said contact fins having one edge in engagement with and mechanically secured to said disc, and a connecting lug on its edge adjacent said opening.

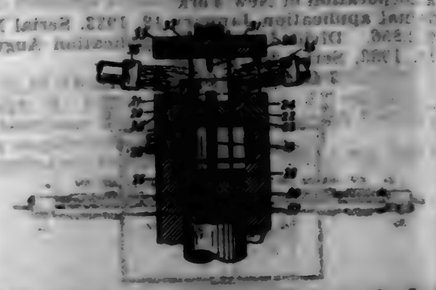
2,030,125
STEM FOR ELECTRON DISCHARGE DEVICES
George M. Rose, Jr., Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 29, 1933, Serial No. 704,416
3 Claims. (Cl. 49—75)



1. The method of making stems for electron discharge and other evacuated devices which consists in assembling an exhaust tube with its end within a tubular glass member and extending leading-in wires between and longitudinally of said exhaust tube and tubular glass member, heating the tubular member until it becomes plastic and flows around said leading-in wire and the exhaust tube, forming the heated mass into a rough disc perpendicular to the exhaust tube, reheating said rough disc to relieve strains and render said disc plastic, compressing said reheated mass into a finished disc-like press perpendicular to said leading-in wires and the exhaust tube, and forming an opening through said press communicating with the exhaust tube while the press around the end of said exhaust tube is plastic.

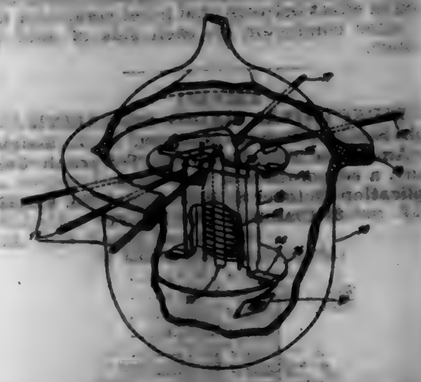
2,030,126
STEM MAKING APPARATUS
George M. Rose, Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application December 29, 1933, Serial No. 704,416. Divided and this application October 25, 1934, Serial No. 749,955
3 Claims. (Cl. 49—2)

5. A stem forming apparatus including a die plate having a circular flat bottomed pocket for receiving a tubular glass member, apertures extending from said depression thru said plate for receiving an exhaust tube and leading-in wires within said tubular member, a movable member cooperating with said die plate for positioning the end of said exhaust tube within said tubular member and the leading-in wires to extend thru said tubular member, devices for heating said tubular member to cause said tubular member to become plastic and flow around said leading-in wire and



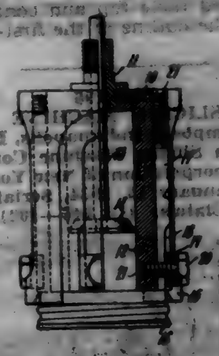
exhaust tube, a press block movable with respect to and cooperating with said die plate to compress the heated material into a flat disc perpendicular to the end of said exhaust tube and to seal in the leading-in wires, and a member on said press block in registry with the opening in said exhaust tube and cooperating with said exhaust tube for providing an exhaust opening thru said press when said press block and die plate are moved to press forming position.

2,030,127
SHORT WAVE TUBE
Bernard Salzberg, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 23, 1934, Serial No. 732,928
7 Claims. (Cl. 250—27.5)



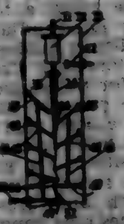
1. An electron discharge device including an envelope, a unitary electrode mount assembly positioned within the envelope and comprising a pair of insulating plate members and electrodes positioned between and secured to said members, radially positioned stiff lead-in conductors extending thru the wall of said envelope, means on the inner ends of the radially positioned conductors securing the conductors to one of said insulating members for supporting the mount within the envelope and for electrically connecting the conductors to the electrodes positioned between the insulating plate members.

2,030,128
MAGNETIC CAPPING CHUCK
Harry D. Smith, Buffalo, N. Y., assignor to Consolidated Packaging Machinery Corporation, a corporation of New York
Application December 8, 1934, Serial No. 756,578
3 Claims. (Cl. 226—38)



1. A capping chuck comprising a body and a plurality of magnets carried by said body, said magnets being seated upon the outer surface of said body, each of said magnets being vertically adjustable with relation to said body.

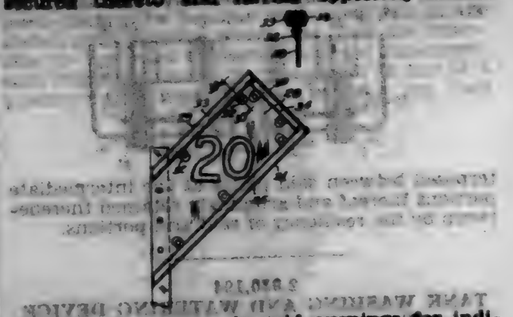
2,030,129
PRODUCTION OF ARTIFICIAL MATERIALS
William Ivan Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application January 21, 1933, Serial No. 652,257
In Great Britain February 18, 1933
9 Claims. (Cl. 18—8)



7. Apparatus for the production of artificial filaments, said apparatus comprising, in combination, means for extruding the filaments, means for drawing the filaments away from the point of extrusion, a plurality of interposed retarding means disposed on each side of the path of the filaments each adapted to determine a point at which tension in the filaments is increased, and actuating means for bringing said retarding means successively into operation, during spinning, so as to move said tension point away from the drawing means and towards the extruding means.

2,030,130
RAILROAD SIGNAL
Arnold H. Told, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application January 12, 1934, Serial No. 706,715
6 Claims. (Cl. 40—135)

4. A compact indicator device for application to a signal plate irrespective of the thickness of the material therein comprising a casing adapted to be disposed transversely of the plate and secured thereto and having oppositely facing



openings, and lenses in said openings for indication on both sides of the plate at night.

2,030,131
MANUFACTURE OF RUBBER
Ralph Morris Ungar, London, England, assignor, by direct and mesne assignments, to Softened Rubber Limited, Manchester, England
No Drawing. Application November 17, 1931, Serial No. 575,630. In Great Britain January 9, 1931
11 Claims. (Cl. 18—50)

1. A process for softening and de-nerving crude rubber so that the softened and de-nerved condition is permanent until the rubber is vulcanised, which consists in exposing the rubber, in substantially water-free condition and in extended-surface form, to air substantially between 230°–347° F., the rubber being thereafter submitted to cooling in air, the period of oxidation exposure of the rubber at the temperature stated and the rate of subsequent cooling being so controlled as to result in an increase in weight of the rubber between approximately 0.5% and 2%.

2,030,132
PROCESS OF MAKING UREA RESIN MOLDING POWDERS
Philip Bickford Watson, New York, N. Y., assignor, by mesne assignments, to American Cyanamid Company, a corporation of Maine
No Drawing. Application February 12, 1931, Serial No. 515,299. Renewed October 12, 1934
6 Claims. (Cl. 260—3)

4. A process of producing a urea resin molding material which comprises reacting formaldehyde with an urea to form a soluble, fusible condensation product, admixing said product with a fibrous filler material, drying the mixture and grinding the dried material while simultaneously maintaining a temperature not exceeding 40° C. in order to prevent irregularities in subsequent curing.

2,030,133
BEARING STRUCTURE
Arthur A. Arnold, New Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application November 2, 1933, Serial No. 640,807
10 Claims. (Cl. 308—26)

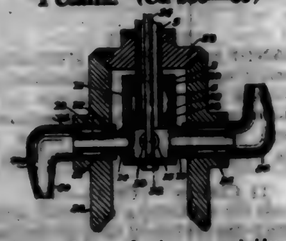
1. The combination of a frame having spaced apart members, a rotatable shaft disposed between said members, a pair of elongated plates each having end portions and an intermediate portion, each portion being connected to the other by resilient arm portions, said plates being clamped together and to one of said frame mem-

bers at each of the end portions of said plates, a bearing sleeve adapted to receive said shaft in-



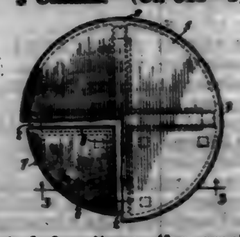
terposed between said plates at the intermediate portions thereof and grippingly retained therebetween by the resiliency of said arm portions.

2,030,194
TANK WASHING AND WATERING DEVICE
Walter Holt Bell, New York, N. Y.
Application March 24, 1934, Serial No. 717,257
1 Claim. (Cl. 299—69)



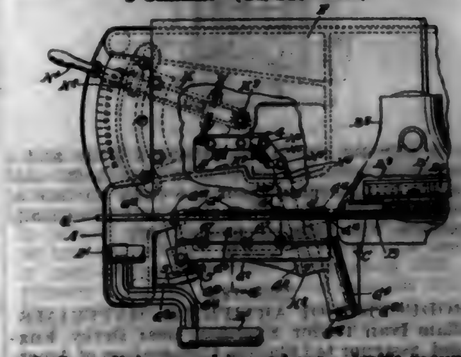
The tank washing device consisting of a supporting pipe, means for clamping the same adjacent to the opening of a tank to support the pipe inwardly of the tank, means for supplying water to the pipe, a rod extending through the pipe and outwardly of both ends thereof, a beveled gear mounted on the pipe above the lower end thereof, a member mounted to rotate on the pipe below the gear, tubular shafts mounted on said member at right angles thereto, L-shaped water jet nozzles mounted to rotate on said tubular shafts and having their outer ends arranged to project jets in angular relations to said shafts, said tubular shafts communicating with the supporting pipe and arranged to discharge water to the nozzles, a beveled gear on each nozzle having meshing engagement with the first beveled gear, said member having a bearing located below the tubular shafts, a friction element mounted on the lower end of the rod to engage said bearing and means on the upper end of the rod for varying the pressure on said friction element against the bearing to regulate the speed of rotative movement of said nozzles and gears.

2,030,195
NESTED TABLES AND CHAIRS
Edmund L. Breese, Beverly Hills, Calif.
Application February 5, 1934, Serial No. 709,740
3 Claims. (Cl. 311—1)



1. In nested furniture, the combination of a table having a circular top and having a plurality of radial cleats attached to the under side of the top and extending outwardly from the vertical central axis of the table and forming angles with each other; and a plurality of nested tables having tops fitting into said angles and engaging said cleats to support the nested tables off the floor, the outer edges of said nested tables being located along an arc struck from the center of the first-named table top and conforming substantially to the outline of the first-named table top.

2,030,196
SLICING MACHINE
William J. Campbell, Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill., a corporation of New York
Application January 15, 1934, Serial No. 706,713
5 Claims. (Cl. 146—103)

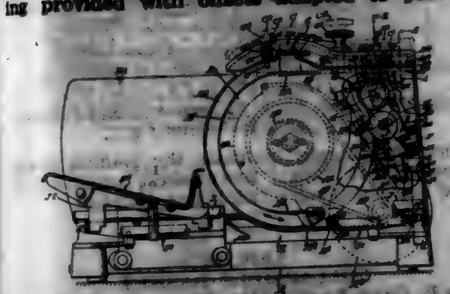


1. In a slicing machine, a base, a knife mounted on the base and means for actuating it, a slice receiver mounted upon said base, a gauge plate, a carriage and means for guiding the carriage across the face of the gauge plate and past the cutting edge of the knife, a forward flange for said slice receiver lying adjacent the cutting plane, and a plurality of guides fixed in relation to and extending forwardly from the base and supporting means for the gauge plate, lying forwardly of the slice receiver flange and slidable in relation to said guides, and actuating means for the gauge plate positioned on the side of the cutting plane opposite to the guides, said guides being cylindrical in form, the supporting means being provided with apertures through which said cylindrical guides may penetrate, there being a relatively tight fit between one of said guides and one of said apertures and a relatively loose fit between the other of said guides and the other of said apertures.

2,030,197
SLICING MACHINE
William J. Campbell, Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill., a corporation of New York
Application January 15, 1934, Serial No. 706,714
2 Claims. (Cl. 146—103)

1. In a slicing machine having a base, a knife rotatably mounted on said base and means for actuating it, a housing extending upwardly from said base and about said knife, a guard plate closing the front of the housing and overlying a substantial portion of the face of the knife, a cover for said housing, mounted upon the upper portion thereof, guiding elements for said cover, interposed between cover and housing, yielding means tending normally to lift said cover, said guiding elements including limit means adapted normally to limit the upward movement of said cover in

response to said yielding means, said cover thereby being maintained in a position upwardly spaced from the top of the housing, and locking means adapted to move said cover downwardly into locked position, said guard plate being formed with locking portions adapted to penetrate between housing and cover when the cover is raised by said yielding means, said locking portions being provided with offsets adapted to prevent



movement of said guard plate when the cover is in closed position, and locking springs positioned upon the housing and located within the cover, when the cover is in closed position, said springs having free ends adapted for a cramping engagement with the inside of the cover whereby, when the cover is in closed position, the springs are positively held by the cover in locking relationship with said offsets.

2,030,198
ELECTRICAL DENITRATION OF OILS
Marcel E. Cerf, San Francisco, Calif., assignor to L. Blake Smith, San Francisco, Calif.
Application April 3, 1933, Serial No. 664,224
5 Claims. (Cl. 204—24)



1. In the resolution in a static electrical field of an emulsion in which water is the dispersed phase, the method of maintaining the dielectric value of said field which comprises: passing preferentially water-wettable, insoluble, solid granules through said field at a velocity materially exceeding that of the passage of emulsion therethrough; collecting said granules on one side of the body of emulsion in which said field is maintained, and returning said granules to the opposite side of said body to be again passed through said field.

2,030,199
MOLD EXTENSION FOR INGOT MOLDS
Walter M. Charman, Cleveland Heights, Ohio
Application May 25, 1933, Serial No. 672,069
3 Claims. (Cl. 22—147)

1. In apparatus for casting undeoxidized or semi-deoxidized steel ingots, an ingot mold, a heat dissipating mold extension adapted to be temporarily supported upon the upper end of the mold during the teeming and solidifying of the metal, and frangible means for tying the extension to the mold to prevent upward movement, said frangible means being adapted to fail at a predetermined internal mold pressure less than



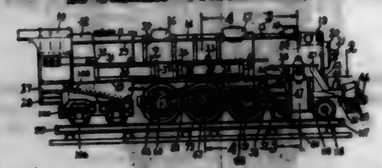
bursting pressure, said mold extension having an average internal cross-sectional area less than that of the upper end of the mold, and having a lower end wall engaging the metal of the ingot adjacent the inner wall of the mold, whereby the extension has the capacity to resist the tendency of the ingot to grow at the rim.

2,030,200
CERAMIC OBJECT AND METHOD OF MAKING THE SAME
John L. Gallup, Newark, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 20, 1934, Serial No. 716,163
5 Claims. (Cl. 25—156)



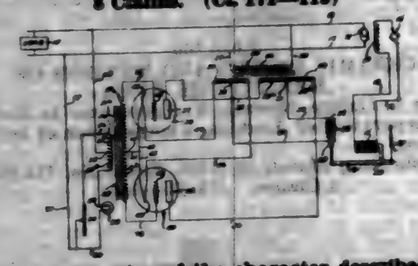
1. The method of making a substantially pure alumina object which is substantially unchanged at about 1600° centigrade which comprises making a mixture consisting of 70% to 90% of substantially pure alumina particles measuring about 75 to 100 microns across and the remainder of substantially pure alumina particles measuring from 2 to 8 microns across, adding water to make a slip just thin enough to pour and casting the slip into the desired object and firing the shaped object at from 1450° to 1600° centigrade to make it coherent and strong.

2,030,281
TOY LOCOMOTIVE
Alfred C. Gilbert, North Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application August 20, 1931, Serial No. 560,656
20 Claims. (Cl. 105—37)



2. In a toy locomotive, a plurality of cylindrical boiler parts detachably secured together, a frame member disposed below said boiler parts and having supporting wheels journaled thereon, said frame member being detachably secured directly to and supporting said cylindrical boiler parts, an inverted U-shaped rear boiler part, a rear truck detachably secured to said rear boiler part and laterally swingable relatively thereto, and a front truck detachably secured directly to the front end of said frame and laterally swingable relatively thereto.

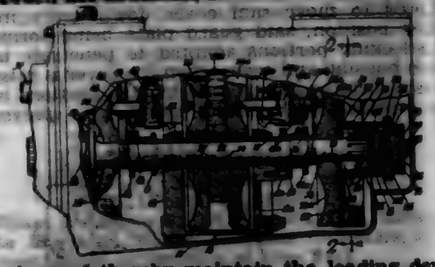
2,030,282
APPARATUS FOR ELECTRICAL CONTROL
Frank W. Godsey, Jr., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey
Application December 4, 1931, Serial No. 578,946
8 Claims. (Cl. 171—119)



1. In apparatus of the character described, in combination, a source of alternating current, a circuit control coil, a balanced rectifier comprising electronic conduction tubes in opposed relation, each tube having anode, cathode and control electrodes, means including a transformer having two opposed windings for energizing said control electrodes from said source, and means interposed between each of said windings and said source for rendering them differentially effective upon a change in the function of said source.

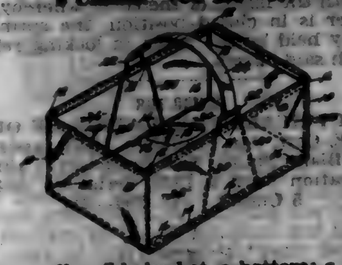
2,030,283
TORQUE LOADING LASH ADJUSTING DEVICE FOR FRICTION ROLLER TRANSMISSIONS
Winfield D. Gove, Detroit, and John Dolza, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 21, 1934, Serial No. 726,294
6 Claims. (Cl. 74—200)

1. In friction race and roller transmission mechanism, a torque loading device unyielding abutment means to receive the reaction force thereof, an adjustable gap element arranged to transmit the reaction force of the torque loading device to the abutment means, and means for exerting a continuous yielding force upon the gap element to cause it to take up and fill the space between the abutment means and torque loading



device and thereby maintain the loading device in position to impart the greatest amplitude of axial movement for which it was designed.

2,030,304
COLLAPSIBLE BASKET
Dale B. Gray, Kansas City, Mo., assignor to Gray & Terry Manufacturing Co., Kansas City, Mo., a firm composed of Dale B. Gray and Warren Terry
Application November 13, 1931, Serial No. 575,577
5 Claims. (Cl. 150—39)



1. In a collapsible basket, a bottom; a collapsible framework; a flexible covering for said framework, the framework comprising a rim, a pair of side members swingably mounted on said rim having a portion above the rim and a portion below the rim when the basket is open; and a handle joining the side members at the upwardly extending portion thereof whereby when the basket is carried the portions below the rim are forced outwardly against the said flexible covering.

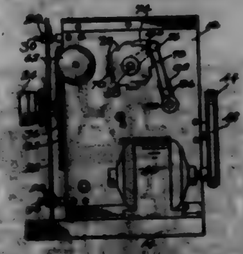
2,030,305
DRAFT CONTROLLER
Say M. Green, Cleveland, Ohio
Application June 6, 1935, Serial No. 25,991
7 Claims. (Cl. 126—307)



1. A draft controller comprising an inner pipe section having ports in the sides thereof, an outer bell shaped shell spaced around said pipe section

and adapted for connection to a stack at its upper end, and an intermediate bell shaped shell spaced between the pipe section and the first-mentioned bell shaped shell and forming an air passage between said shells, said passage being open at its lower end, the said intermediate section depending from the upper end of the pipe section and the outer bell shaped shell being supported upon the intermediate shell.

2,030,306
CAMERA
Lawrence Hanley and William C. Anderson, Kansas City, Mo.
Application January 18, 1933, Serial No. 651,528
9 Claims. (Cl. 88—18.2)



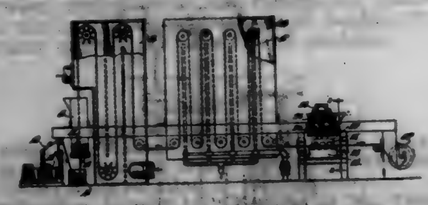
1. A camera of the character described comprising a motor driven shutter; a sensitized strip behind the shutter; a knife to sever said strip; apparatus for periodically advancing said strip past said knife; common means movable to mechanically lock said advancing apparatus and to simultaneously actuate the knife to sever said strip after a predetermined length of the same has moved past said knife; and a switch having connection with said means for opening the motor circuit when said means moves to actuate the knife and lock the advancing apparatus.

2,030,307
EDUCATIONAL TEST CHECKING MACHINE
Samuel R. Harding, Aberdeen, S. Dak.
Application March 27, 1933, Serial No. 662,856
24 Claims. (Cl. 101—102)



1. In a device of the class described, a plurality of type bars, a plurality of selectors for operating the type bars, means for operating the selectors, means for individually intercepting the selectors when operated to actuate the type bars, a sheet having areas in the same general relation as the selectors, and means for holding the sheet with its areas in predetermined relation to the selectors and in their paths of movement when operated to actuate the type bars, said sheet in certain of its areas being pierced, whereby when the selectors are operated to actuate the type bars certain thereof will pass through pierced areas of the sheet and certain other of the selectors will be stopped by the sheet or the intercepting means.

2,030,308
METHOD OF MAKING ELASTIC THREAD AND RETICULATED SHEETS OF RUBBER OR SIMILAR MATERIAL
Marion M. Harrison, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 29, 1932, Serial No. 638,772
10 Claims. (Cl. 18—54)



1. The method of making an elastic structure which comprises providing a substantially non-extensible support of substantially the same extent as that of the elastic structure to be produced, forming a coating of elastic material around the support, and so disintegrating the support as substantially to destroy its effectiveness as a tension element.

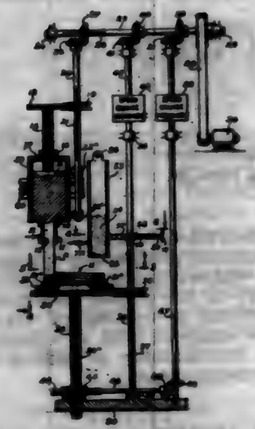
2,030,309
ISOLATION AND PURIFICATION OF HORMONES
Frederick L. Hisaw and Harry L. Fevold, Madison, Wis., assignors to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
No Drawing. Application November 16, 1931, Serial No. 575,480. Renewed September 15, 1934
3 Claims. (Cl. 167—74)

2. The method of producing luteinizing hormones from the pituitary gland of animals which consists in comminuting and drying said gland matter, subjecting said dried matter to aqueous pyridine to extract the portions of said gland matter soluble in aqueous pyridine, drying said extract, and separating from said extract the water soluble impurities by subjecting said extract to water, to leave a residue having the properties of luteinizing the follicles and prolonging the life of corpora lutea.

2,030,310
ISOLATION AND PURIFICATION OF THE GONAD STIMULATING HORMONE
Frederick L. Hisaw and Harry L. Fevold, Madison, Wis., assignors to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
No Drawing. Application November 16, 1931, Serial No. 575,481. Renewed September 15, 1934
1 Claim. (Cl. 167—74)

The method of producing a gonad stimulator hormone from the pituitary gland of animals, which consists in comminuting and drying said gland matter, subjecting said dried matter to aqueous pyridine to extract the portions of said gland matter soluble in said aqueous pyridine, drying said extract, leaching the residue with water and precipitating by alcohol from said water solution, the substance which has the property of stimulating the growth and development of follicles in the ovary and enlargement of the testicles.

2,030,211
APPARATUS FOR MAKING HELICAL CARBON FILES
George E. Huise, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey
Application January 20, 1932, Serial No. 587,727
10 Claims. (Cl. 18—12)



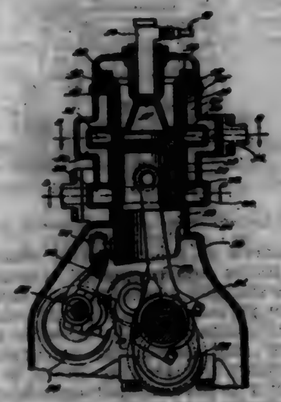
1. In apparatus of the character described, in combination, a container having an opening in the bottom portion thereof and adapted to hold a plastic substance, means adapted to feed said substance at a constant rate from said opening, a rotatable support below said opening in said container and positioned to receive said plastic substance, means adapted to rotate said support at a predetermined constant rate, means adapted to lower said support at a predetermined constant rate, and means operatively connecting all of said means to proportion the operative speeds thereof whereby the interaction of all of said means forms a helix on said support having uniform registering convolutions.

2,030,212
PRODUCTION OF ARTIFICIAL MATERIALS
Edward Kinsella and Reginald Henry John Riley, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application January 27, 1932, Serial No. 653,885
In Great Britain February 10, 1932
7 Claims. (Cl. 18—8)



4. Apparatus for the production of artificial filaments by the evaporative method, said apparatus comprising a spinning cell, a spinning jet therein for the extrusion of artificial filaments and means for directing at least two streams of evaporative medium on to the filaments in the neighbourhood of the jet from different sides of the filaments and at different distances from the jet.

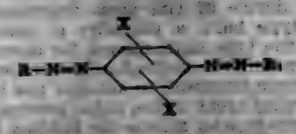
2,030,213
ENGINE
James W. Kinnucan and James O. Fink, Detroit, Mich., assignors to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application October 26, 1931, Serial No. 571,976
10 Claims. (Cl. 123—81)



1. In an engine of the sleeve valve type having a cylinder ported for intake and exhaust, sleeve valve means controlling said ports and having a combined reciprocating and oscillating motion, and means cooperating with said sleeve valve means for ending the engine intake period prior to the closing of the cylinder intake port and prior to the time said sleeve valve means attains its maximum reciprocating motion.

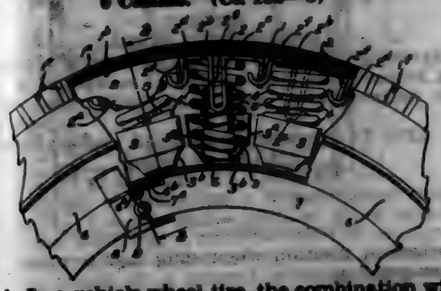
2,030,214
AZO DYES AND METHODS FOR THEIR PREPARATION
Arthur Howard Knight, Ashton-on-Mersey, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 21, 1932, Serial No. 634,199. In Great Britain September 30, 1931
13 Claims. (Cl. 260—81)

7. Azo dyes having the following general formula:



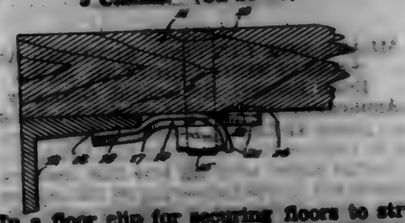
wherein R represents a nitro-aniline or nitro-naphthylamine radical, which may have substituted thereon members selected from the class consisting of halogen and nitro groups, X represents an alkoxy group, and R₁ represents an amino-benzene or amino-naphthalene radical which may have substituted thereon members selected from the class consisting of halogen, alkyl, amino and dialkyl-amino groups.

2,030,215
VEHICLE WHEEL TIRE
Frank Krone Krouts, San Diego, Calif.
Application October 12, 1934, Serial No. 748,231
6 Claims. (Cl. 152—8)



1. In a vehicle wheel tire, the combination with a casing of a plurality of substantially flat pressure plates positioned in overlapped and interlocked relation to each other and each provided centrally with a spring supporting lug with shoulders adapted to receive a spring and support it inwardly some distance from said plate, a spring supported on said shoulders on said spring supporting lug and extending inwardly therefrom in said casing, and another larger spring surrounding said first mentioned spring supported on said plate and extending inwardly therefrom in said casing around said first mentioned spring.

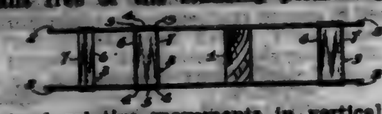
2,030,216
FLOOR CLIP
John A. MacLean, Chicago, Ill., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill., a corporation of Illinois
Application April 4, 1935, Serial No. 14,575
5 Claims. (Cl. 20—6)



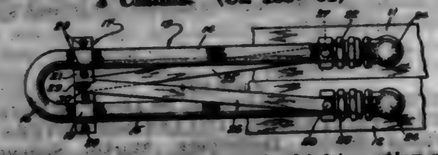
1. In a floor clip for securing floors to structural frame members, an integral metal member having an attaching flange provided with an aperture for receiving a securing bolt to secure said member, a frame engaging flange carried by said clip, and an offset in said clip adjoining said attaching flange and frame engaging flange and bringing said frame engaging flange into a different plane whereby the flooring may be located on one side of the frame and the clip may engage the opposite side of the frame, said clip having an integral extension located on the side nearest the flooring and said extension being of reduced thickness whereby a portion of said extension may be bent downward to lock the nut of the bolt and the balance of said extension may be utilized for bearing against the wood of the flooring.

2,030,217
WALL CONSTRUCTION
Herbert R. Marks, Sewickley, Pa.
Application October 22, 1934, Serial No. 749,584
6 Claims. (Cl. 72—45)

1. A wall comprising vertical studding spaced apart horizontally, vertically superimposed slabs forming two wall-facings positioned on the opposite sides of and enclosing said studding, and means free of the studding permitting unrestrained relative movements in vertical planes between said studding and facings for connecting the facings to each other and holding them upright against the sides of the studding.

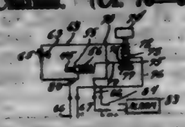


2,030,218
FLEXIBLE HOSE SUPPORT
James C. G. Maxwell, Waterbury, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
Application August 11, 1934, Serial No. 739,411
2 Claims. (Cl. 138—61)



1. Means for supporting the bight portion of a substantially horizontally disposed flexible U-shaped tube having its ends connected to upper and lower relatively movable parts, comprising means bridging the U adjacent the bight, and a pair of arms pivotally secured to the bridging means and each to one of the relatively movable parts to support the bight portion against sagging below the connection to the lower part.

2,030,219
PROTECTIVE RECEPTACLE
Charles F. McBlair, Toledo, Ohio
Application May 17, 1934, Serial No. 726,079
8 Claims. (Cl. 70—62)



1. In a lock for a repository, a bolt, a bolt operating circuit, an electro-magnet for operating said bolt, a switch in the bolt operating circuit, a switch operating circuit having time-delayed electrical actuating means therein for operating said switch including resetting mechanism responsive to failure of current in the switch operating circuit, and a lock controlled switch in the switch operating circuit, the closing of which will initiate the operation of said time-delayed electrical actuating means to complete the bolt operating circuit and the opening of the lock controlled switch will permit the resetting of the time delayed electrical means for further operation.

2,030,220
MUTE FOR STRINGED MUSICAL INSTRUMENTS
Francisco Quintana Miranda, Cordoba, Argentina
Application September 18, 1934, Serial No. 744,504
15 Claims. (Cl. 84—311)

1. In a mute for stringed musical instruments having a string supporting bridge, a resilient member adjustably mounted at one end on the instrument to have adjustment about an axis extending transversely of the member to position

the free end of the member toward and away from the instrument, a saddle member carried by the free end of the resilient member to be normally positioned in spaced relation to the upper portion



of the bridge of the instrument, and means connected to the resilient member adapted to be actuated to flex said resilient member and position the saddle member in contact with the bridge with varying pressure.

2,030,231

METHOD OF PRODUCING PLASTIC MASSES, ETC., CONTAINING CELLULOSE ESTERS

Richard Müller, Heidelberg, Martin Schenck, Mannheim, and Wilhelm Wirbatz, Mannheim-Waldhof, Germany, assignors to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany

No Drawing. Application January 13, 1932, Serial No. 651,681. In Germany January 20, 1932.

12 Claims. (Cl. 18—58)

1. The method of treating cellulose products for the manufacture of shaped articles, which comprises esterifying a cellulose product to form a triester with an esterification mixture free of catalysts partly remaining in linked form in the non-saponified product and causing instability thereof, treating the isolated cellulose triester thus obtained with a saponifying agent of acid reaction in such manner as to reduce its acid content by 5% at the utmost, to leave the solubility characteristics of the said triester practically unchanged, dissolving the product in a solvent, shaping the solution and removing the solvent.

2,030,232

STABLE AQUEOUS DISPERSION

Edwin B. Newton, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application December 21, 1932, Serial No. 648,220

20 Claims. (Cl. 134—17)

1. The method of stabilizing an aqueous dispersion comprising finely divided solid particles of water-insoluble material which comprises adding to the dispersion a quantity of a salt formed by the reaction of shellac with a volatile strong nitrogenous base.

2,030,233

OVEN DOOR CONSTRUCTION

Thomas O'Brien, Chicago, Ill., assignor to Middleby-Marshall Oven Co., Chicago, Ill., a corporation of Illinois

Application April 4, 1935, Serial No. 14,555

8 Claims. (Cl. 107—65)

1. The combination with a bake oven having a loading door-opening in a wall thereof, of a door mounted on the oven wall for vertical movement to open or close said opening, and a peel rest pivoted to the oven structure within said opening and arranged for movement by gravity to



horizontal position when said door is moved to open position.

2,030,234

HYPOGASTRIC SUPPORTER

Benjamin F. Pease, Silver Lake, Ohio

Application February 3, 1933, Serial No. 654,612

3 Claims. (Cl. 128—94)



1. In a device of the character described, a padded, rigid plate, two frame members, a flexible rubber block secured to each frame member and projecting beyond the forward end thereof and means securing the forwardly projecting portion of each of said blocks to said plate.

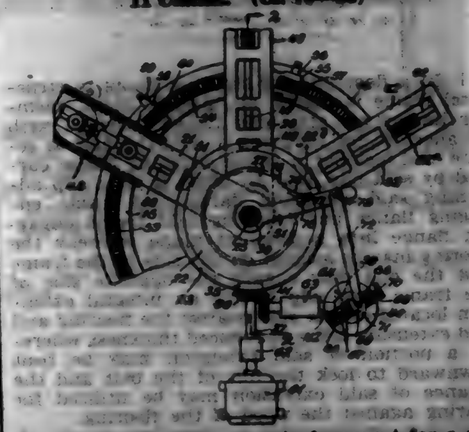
2,030,235

MEANS FOR CUTTING, SETTING, AND SHARPENING CIRCULAR SAWS

Erich Pesgel, Remscheid, Germany

Application July 2, 1934, Serial No. 733,469

11 Claims. (Cl. 76—95)



1. In combination, a central support for a circular saw, a toothed wheel connected with said support, means meshing with teeth of said wheel for intermittently rotating the same, whereby said circular saw is revolved, radial tracks connected with said central support, movable cutting, setting and sharpening devices carried by said tracks, said cutting, setting and sharpening devices being adjustable along said tracks, and means for adjusting said radial tracks on which said setting and sharpening devices are mounted relatively to said radial track on which said cutting device is mounted.

2,030,236

CASEIN DISPERSION

Donald A. Rumbaugh and Frank G. Ulmer, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 27, 1932, Serial No. 595,613

17 Claims. (Cl. 134—78)

1. Method of preparing a homogeneous fluid dispersion of casein and a cellulose ether which comprises dispersing a cellulose ether in an alcohol and blending said dispersion with a dispersion of casein in a solvent mixture composed essentially of organic solvents and comprising a sulphonated fixed oil and an alcohol.

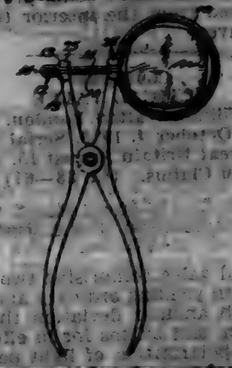
2,030,237

MOLAR BAND

Annie Richardson, Los Angeles, Calif.

Application April 13, 1934, Serial No. 721,011

7 Claims. (Cl. 32—14)



1. As a new article of manufacture, a molar band comprising a strip of ribbonlike metal having straight flat end portions, that portion of the band between said end portions being curved in cross section, the terminal portions of the straight flat ends being integrally secured to each other and there being shoulders formed on the outer faces of the straight flat end portions of the band to form abutments for one of the jaws of the pliers used in fitting the band to the tooth.

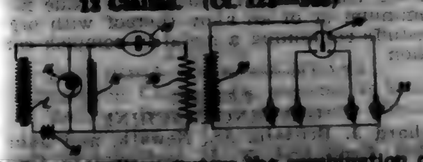
2,030,238

SPARK GENERATING SYSTEM

Donald W. Randolph, Flint, and Ora S. Duffendack and Ralph A. Wolfe, Ann Arbor, Mich.

Application May 1, 1933, Serial No. 668,754

13 Claims. (Cl. 123—148)



1. In an ignition system the combination of a condenser, means for applying a charge to the condenser, a discharge circuit including the condenser and a gaseous discharge tube having electrodes between which current passes when the charge on the condenser reaches the desired voltage, and a circuit including an ignition device inductively coupled to the discharge circuit.

2,030,239

PROCESS OF MAKING COMPOUND STRUCTURAL MATERIAL AND SHAPED ARTICLES THEREOF

Paul Schwarzkopf, Reutte/Tyrol, Austria

No Drawing. Application February 19, 1932, Serial No. 594,164. In Germany November 29, 1931

5 Claims. (Cl. 75—1)

1. A process for making an agglomerated structural material and shaped bodies thereof, containing at least one metal selected from a first group consisting of tungsten, molybdenum, and tantalum, and at least one metal selected from a second group, consisting of silver, nickel, cobalt, iron, said process consisting in first subjecting metal of the first group in the powdered form in which it is obtained from its compounds or ores, to a heat treatment at temperatures at least as high as sintering temperature, thereupon powdering the so compacted metal, thereupon mixing this powder with metal taken from the second group and consolidating this mixture by heat treatment at temperatures below the sintering temperature of the metal of the first group.

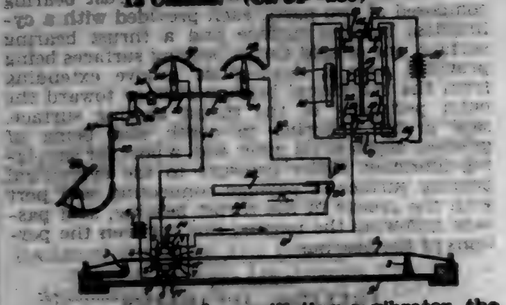
2,030,240

SPLIT PHASE IMPULSER FOR MUSICAL INSTRUMENTS

Victor H. Severy, Los Angeles, Calif., assignor, by mesne assignments, to Creative Industries, Inc., a corporation of Nevada

Application July 19, 1933, Serial No. 681,166

13 Claims. (Cl. 84—239)



1. In apparatus for oscillating a vibrator, the combination of magnetic means having a pole located on one side of the vibrator and having a pole located on the other side of the vibrator, a coil corresponding to each pole, and means for passing a sine-wave pulsating current of definite frequency through said coils in a direction to energize said poles alternately.

2,030,241

FROG AND SWITCH TRACK WORK

Dewing P. Steward and John V. Stewart, Johnstown, Pa., assignors to The Lorain Steel Company, Johnstown, Pa., a corporation of Pennsylvania

Application April 4, 1933, Serial No. 664,412

3 Claims. (Cl. 246—435)



1. A switch point rail formed from rolled rail stock originally of uniform cross sectional area

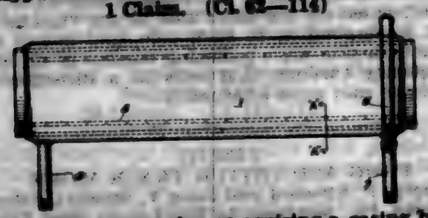
throughout its length and comprising a head, a web and a base flange and having a point and and a pivotal heel portion at the opposite end at which said rail swings, the rail having a uniform vertical dimension and uniform thickness of web from said point end to said heel portion and having its web stamped and thus thinned and widened at said heel portion only to increase the vertical dimension of said rail at said heel portion thereby to lower the supporting surface at said heel portion.

2,029,232
BEARING LUBRICATION
Donald D. Stone, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 21, 1933, Serial No. 686,046
2 Claims. (Cl. 308—168)



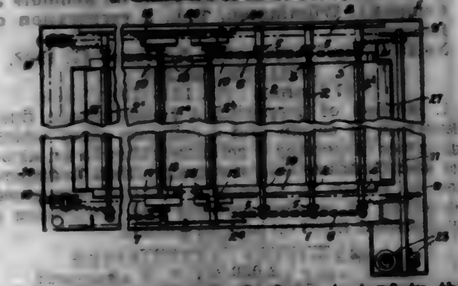
1. A combined cylindrical and thrust bearing composed of two parts, each provided with a cylindrical bearing surface and a thrust bearing surface, one of said thrust bearing surfaces being provided with a dead-ended groove extending from the cylindrical bearing surface toward the outer periphery of the thrust bearing surface, said groove tapering in depth and being of greatest depth at its inner end, a port for supplying lubricant under pressure to the cylindrical bearing surface, a passage connecting said port with the groove in the thrust bearing, said passage following the parting line between the portions of the bearing.

2,029,233
FREEZING APPARATUS
Gerald F. Thoma, Canton, Ohio
Application May 19, 1933, Serial No. 671,919
1 Claim. (Cl. 62—114)



A freezing apparatus comprising a casing having spaced concentrically arranged inner and outer cylinders, the inner cylinder being of greater length than the outer cylinder and open at opposite ends, the outer cylinder at its ends being rendered closed against the inner cylinder, rod-like bars extending longitudinally of and between the cylinders and arranged equally distant from each other and having spaced perforations to allow flow of fluid circumferentially between said cylinders, a pipe opening through the outer cylinder into the space between said cylinders and close to one end of said outer cylinder, and a pipe half-encircling the outer cylinder near its other end and communicating with the space between said cylinders at diametrically opposite points thereof.

2,029,234
BLIND
Julio Villalobos, Buenos Aires, Argentina
Application May 26, 1934, Serial No. 727,554
2 Claims. (Cl. 160—17)



1. A new type of blind characterized in that it is constituted by two series of rigid opaque leaves mounted in a rotary manner and in vertical position, said blinds being provided with a device operated from the interior to rotate and move said leaves.

2,029,235
OPTICAL VALVE
George William Walton, London, England
Application October 4, 1932, Serial No. 632,198
In Great Britain August 19, 1932
10 Claims. (Cl. 88—61)



1. An optical valve comprising two double image prisms each yielding ordinary and extraordinary rays with angular deviation therebetween, means between said prisms for in effect rotating the planes of polarization of light passed therethrough in accordance with an applied influence and means for causing said ordinary and extraordinary rays to produce substantially superimposed images.

2,029,236
COLORED OXIDE FILM OF ALUMINIUM
Walter Anderau, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application February 8, 1934, Serial No. 710,576. In Switzerland February 16, 1933
8 Claims. (Cl. 148—6)

1. Process of coloring an electrolytically-produced oxide film of aluminium or of an alloy thereof, consisting in treating the oxide film of aluminium or of an alloy thereof with organic dyestuffs containing a metal in complex combination.

2,029,237
GAUGING MACHINE
Richard J. Brittain, Jr., Newark, and John C. Bell, Lyndhurst, N. J., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 2, 1928, Serial No. 289,313
Renewed July 12, 1933
27 Claims. (Cl. 33—147)

27. In a machine of the character indicated, a regulating wheel for engaging one surface of a hollow work-piece and rotatably driven to regulate the surface speed of the work-piece, an implement engaging the other surface thereof along that axial plane of the work-piece which includes



the place of engagement of said regulating wheel with the work-piece, and means for steadying the work-piece during the period the said implement is engaging it; substantially as described.

2,029,238
TORCH SUPPORT LADLE
Le Roy O. Brown, Chicago, Ill., assignor to Justrite Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 28, 1932, Serial No. 613,456
4 Claims. (Cl. 126—340)



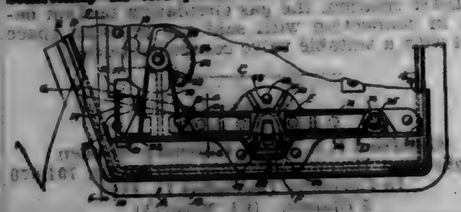
1. A soldering device comprising a torch equipped with a heat projecting tube, a yoke rigidly secured to the discharge end portion of said tube and including a pair of parallel arms spaced laterally from each other a distance greater than the diameter of said tube and equi-distantly from the axis thereof, a ladle pivotally secured to said arms on an axis transverse to the longitudinal axis of said tube and adjacent its said axis for positioning said ladle so that it remains completely in the path of heat projected from said tube in all relative positions of said ladle and said tube, and a projection on the ladle disposed to cooperate with one of the arms of said yoke to limit the pivotal movement of said ladle relatively to the said yoke in one direction.

2,029,239
METHOD OF TREATING VERMICULITES
William Berthier Ryan, Kansas City, Mo.
No Drawing. Application July 17, 1933, Serial No. 680,767
16 Claims. (Cl. 252—1)

1. The method of dividing vermiculite material into fine plate-like particles which consists in heating said vermiculite in the presence of salts of alkaline earth metals to expand the vermiculite, and then mechanically separating the expanded granules into plate-like particles.

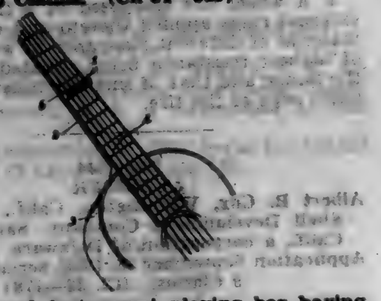
2,029,240
CAR DOOR LOCKING MEANS
Argyle Campbell, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application June 23, 1932, Serial No. 617,239
7 Claims. (Cl. 105—368)

1. In a hopper door latching device, in combination with the car body and the door; keeper means carried by the car body; movable latching means carried by the door, having a portion adapted to engage with the keeper; a lateral extension formed on the latching means at an appreciable distance from the keeper; a guide wall overlying the latch adjacent said lateral extension; and a lateral extension on said guide wall disposed substantially in the plane of the extension on the



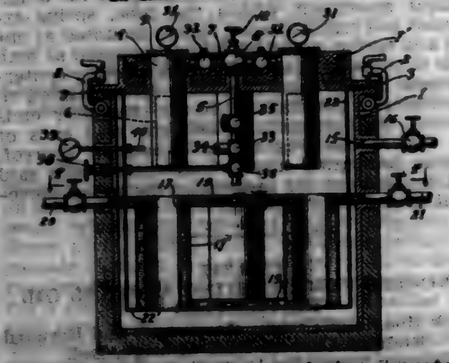
latching means whereby a removable bar may be inserted between said respective extensions for moving the latch by a turning movement of the bar.

2,029,241
PLAYING BAR FOR HAWAIIAN STEEL GUITARS
Stanley Cameron, Winnipeg, Manitoba, Canada
Application September 16, 1933, Serial No. 689,783
3 Claims. (Cl. 84—319)



3. A stringed instrument playing bar having the string contacting face thereof lengthwise channelled to provide spaced lengthwise extending teeth.

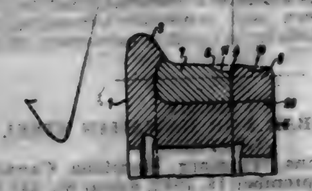
2,029,242
CARBON DIOXIDE ICE COOLING SYSTEM
Harry S. Cornish, Los Angeles, Calif.
Application May 14, 1930, Serial No. 452,243
12 Claims. (Cl. 62—61.5)



4. In a cooling device employing a material adapted to release gas as the refrigerant, a closed cooling chamber provided with a hermetically sealed pressure-proof gas holding space therein combined with means for supporting in said chamber a sealed metallic container for the ice or other cooling material adapted to release gas by transfer of heat from the contents of the

chamber, the gas pressure space of the container being in connection with the gas pressure space of the chamber and means for circulating liquid and gas through said gas pressure space in heat transfer relation, the gas circulating portion being in connection with said gas pressure space and with a suitable valve controlled outlet.

2,030,243
WHEEL TIRE
Gottfried F. A. Oeris, Goteborg, Sweden
Application December 8, 1933, Serial No. 701,970
In Germany December 14, 1933
5 Claims. (Cl. 295—31)



1. A wheel tire composed of a tire body and external rings applied thereto and consisting of material of different resistance to wear, the ring of highest resistance being situated adjacent to the flange and that of smallest resistance on the outer edge of the tire.

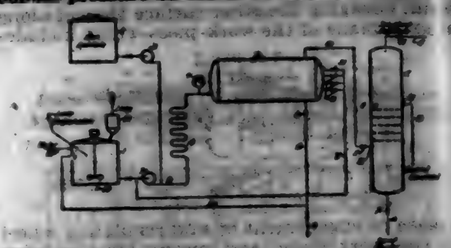
2,030,244
CALIPER
Albert B. Cox, Wilmington, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 28, 1928, Serial No. 295,974
9 Claims. (Cl. 33—178)



1. In a calipering device for detecting and measuring variations in the inside diameter of a relatively long cylindrical tube, the combination of an elongated member adapted for longitudinal movement within the tube, spring-expanded bell crank-shaped feelers mounted at one end and spring expanded guides mounted at both ends of the said member for continuously centering same in the tube, contact rollers mounted on the feelers at a distance from the outer ends thereof, link connections between said ends of the feelers allowing radial expansion thereof, and an indicating means cooperating with said link connections for measuring the radial movement of the feelers.

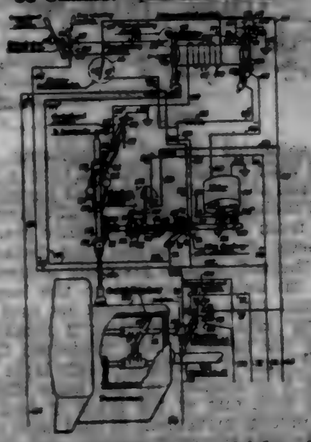
2,030,245
PROCESS FOR TREATING MINERAL OIL DISTILLATES
Ralph Heagland Crosby, Hammond, and Bernard Richard Carney, East Chicago, Ind.
Application November 18, 1933, Serial No. 697,828
6 Claims. (Cl. 196—32)

1. In the treatment of liquid mineral oil distillate with an aqueous lime suspension to remove acidic substances, the method of preventing emulsification comprising intimately contacting the liquid distillate with the aqueous lime suspension in the absence of a gas and under a superatmospheric pressure not less than the bubble pressure of the distillate, to maintain the



mixture resulting from the contacting entirely in the liquid form.

2,030,246
SIGNALING SYSTEM FOR AUTOMOBILES AND OTHER VEHICLES
Henry S. Davis, West Haven, Conn.
Application December 7, 1932, Serial No. 791,250
23 Claims. (Cl. 177—311)

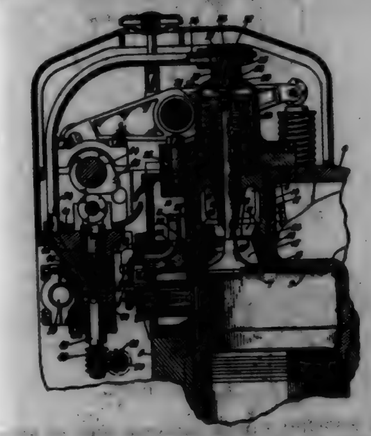


1. A signaling system for vehicles, including two signal-lights; a source of electrical energy; conducting-means for interconnecting the said source of electrical energy and the said signal-lights; automatic flashing-switch means timed by a running part of a vehicle and acting to cause pulsations in the current-flow in the said conducting-means varying with the speed of the vehicle; and selecting-switch means constructed to selectively divert the said current-pulsations to the said signal-lights concurrently or alternately and operated by a speed-control member of the vehicle as an incident to the movement of such speed-control member.

2,030,247
OIL ENGINE
Richard M. Dilworth, Lakewood, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 28, 1933, Serial No. 657,501
5 Claims. (Cl. 123—32)

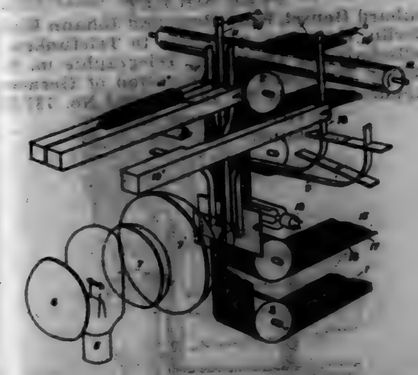
1. In an oil engine, a cylinder, an intake passage leading thereinto, and a valve at the end of said passage for controlling the flow of air and fuel into said cylinder, said passage being reduced in area to provide a venturi adjacent and anterior to said valve; a permanently open oil supply nozzle discharging into said air supply

passage at said venturi; an equalizing chamber from which oil may flow through said nozzle; a vent passage whereby said equalizing chamber is placed in communication with said air supply



passage; an oil supply reservoir; and an oil supply passage through which oil is supplied from said reservoir to said equalizing chamber and to said oil supply nozzle.

2,030,248
APPARATUS FOR PRODUCING SYNTHETIC ELECTRONIC SOUND
Ivan Eremeeff, Philadelphia, Pa.
Application November 10, 1932, Serial No. 642,458
17 Claims. (Cl. 84—1)



1. An electronic musical instrument comprising a plurality of light sources, objective means for focusing said plurality of light sources on a stationary bolt masking means, selective and independent keying means for controlling the passage of said light sources through predetermined portions of said bolt masking means, and adjustable means of a keyboard for raising and lowering the output of said electronic musical instrument.

2,030,249
PLANT SUPPORT
Lillian Goldsbro, Bloomfield, N. J.
Application March 24, 1934, Serial No. 717,287
4 Claims. (Cl. 47—44)

1. A plant support comprising a frame having radial arms provided with hooks to hang over the edge of a receptacle for supporting the frame in such receptacle, said frame having a plurality of eyes, and standards inserted through said eyes



with their lower ends to rest on the bottom of the receptacle and having rests at their upper ends for flower stems.

2,030,250
LIGHT TARGET FOR ILLUMINATION METERS
William Nelson Goodwin, Jr., Newark, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application September 27, 1932, Serial No. 635,124
12 Claims. (Cl. 136—89)

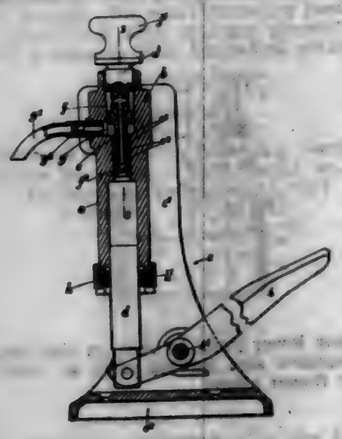


1. A photoelectric device comprising a light-sensitive element having substantially the form of a hollow truncated pyramid with one end wall and a pyramidal wall flaring outwardly therefrom, the active surface of said element including one face of said end wall and at least a portion of the adjacent face of the pyramidal wall.

2,030,251
EMULSIFYING MACHINE
Charles Edward Greener, Birmingham, England
Application July 21, 1933, Serial No. 681,606
In Great Britain July 27, 1932
4 Claims. (Cl. 99—8)

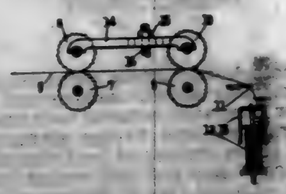
1. An emulsifying machine comprising a pump cylinder, a piston operable within said cylinder, an emulsifying chamber communicating with the pump cylinder and provided with suction and delivery ports, a non-return valve controlling the passage through said delivery port, an emulsifying element within the emulsifying chamber having a passage therethrough communicating with said suction port and with the pump cylinder, a non-return valve controlling the passage through said emulsifying element permitting flow through said passage from the suction port to the pump cylinder but preventing flow from the pump cylinder to the suction port, and an external, manually-operable adjusting device connected to said emulsifying element for suspending said element within the emulsifying chamber, said emulsifying element and its adjusting device constituting a single removable unit, said adjusting device being

operable to vary the clearance between the emulsifying element and the walls defining the emul-



sifying chamber to control the degree of emulsification.

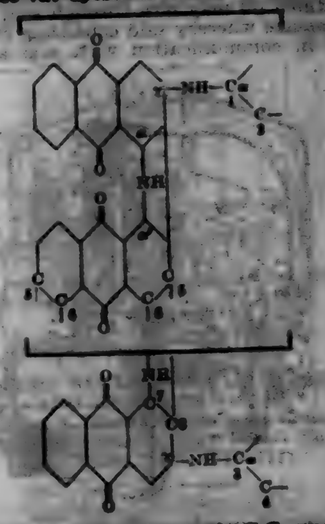
2,030,253
MANUFACTURE OF TEXTILE MATERIALS
Frank Corbyn Hale and George Crawford Tyas, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application November 2, 1932, Serial No. 636,274
In Great Britain November 15, 1933
4 Claims. (Cl. 19—1)



1. In a process for the production of yarns of fibrous character, the continuous and successive steps of gripping a plurality of continuous filaments at at least two points along the length of the filaments by associated pairs of toothed rollers adapted to cause the filaments to follow a smooth sinuous path under pressure, rotating said rollers in such a manner as to subject said filaments to a breaking load so as to break said filaments into associated fibres of a length corresponding to the distance between the pairs of rollers, and spinning said associated fibres into yarn.

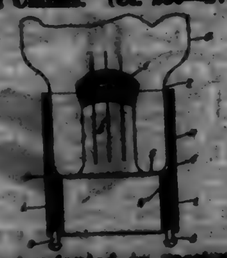
2,030,255
ANTHRAQUINONE DERIVATIVES
Hermann Hauser, Basel, and Max Bommer, Bichen, near Basel, Switzerland, assignors to firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Original application June 21, 1928, Serial No. 286,502. Divided and this application March 30, 1932, Serial No. 602,697. In Switzerland July 2, 1931
2 Claims. (Cl. 260—44)

1. 7.7'-dianthraquinonyldiamino-trianthrimid dicarbazole vat-dyestuffs of the general formula



wherein the carbon atom pair C_7C_8 and one of the carbon atom pairs C_9C_{10} are members of a carbazole ring whose NH-group links the carbon atoms C_6 and C_{11}, and wherein the carbon atom pairs C_1C_2 and C_5C_6 belong to anthraquinone radicals, which products form brown to dark powders which dissolve in concentrated sulfuric acid to blue to bluish solutions and dye cotton from the vat brown to olive shade of very good fastness.

2,030,254
TUBE SOCKET
Bernhard Hensel, Kurt Hess, and Johann Richter, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 28, 1934, Serial No. 737,336
In Germany July 31, 1933
3 Claims. (Cl. 250—27.5)



1. A socket adapted to receive an electronic tube, comprising an upper hollow insulating portion, a lower flat circular portion having the same diameter as said upper portion, a plurality of metallic pins secured to said lower portion and arranged to project within said upper portion and screw means passing through said lower portion and into said upper portion for securing said upper and lower portions together.

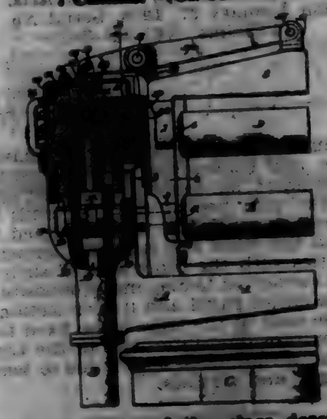
2,030,255
BUMPER GUARD
Frank C. Howard, Chicago, Ill., assignor to American Automobile Devices Co., Chicago, Ill., a corporation of Illinois
Application June 30, 1933, Serial No. 678,894
5 Claims. (Cl. 293—55)

1. In a device of the type described, the combination of a metal bar having an opening therethrough, a cushioning member of yielding material secured on the front face of said bar and having a socket in its front face substantially



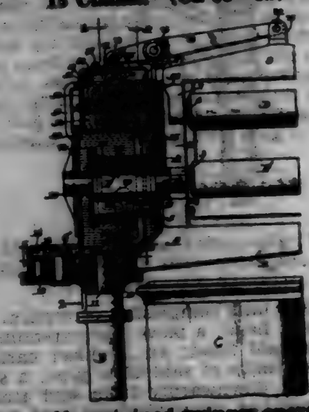
opposite to said opening, and a reflector secured in said socket so arranged as to be capable of yielding backwardly through said opening upon heavy backward pressure on said cushioning member or on said reflector.

2,030,256
HYDRAULIC ACTUATING MECHANISM FOR DOMESTIC LAUNDRY APPLIANCES
John T. Hume, Chicago, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application May 16, 1932, Serial No. 676,263
7 Claims. (Cl. 68—23)



1. In a structure of the class described, the combination of a suitable frame, a pair of horizontally disposed pressure rolls mounted in said frame, a suitable support, a wringer head swingably mounted on said support and forming a housing to which said frame is attached, said housing forming a fluid reservoir and including a cylinder, a piston vertically movable in said cylinder, lever means pivotally mounted on said frame and connecting the piston with one of said pressure rolls for applying pressure thereto, a fluid pump positioned within said head beneath the piston for supplying fluid under pressure to said cylinder to actuate the piston therein, and a power shaft in said support for driving said pump.

2,030,257
HYDRAULIC ACTUATING MECHANISM FOR DOMESTIC LAUNDRY APPLIANCES
John T. Hume, Chicago, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application May 16, 1932, Serial No. 676,264
15 Claims. (Cl. 68—23)



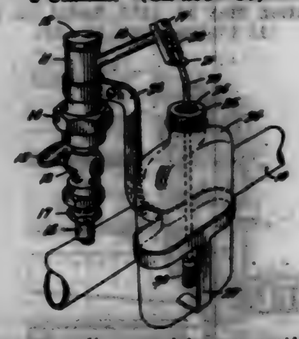
1. In a self-contained wringer operating mechanism of the class described, the combination of a swingable wringer head having a wringer frame, including wringer rolls mounted thereon, one of said members being rotatable and the other being separable therefrom for the passage of material therebetween, a fluid motor mounted within said head for rotating one of said rolls, a fluid actuated mechanism mounted within said head for applying pressure to said other roll, a pump within said head for supplying fluid under pressure independently to said motor and said fluid actuated mechanism, a support for the head, and a power shaft associated with said support for driving said pump.

2,030,258
WIND SCREEN
Albert Knechi, Wien, Switzerland
Application November 12, 1934, Serial No. 752,725
In Germany January 17, 1934
2 Claims. (Cl. 20—40.5)



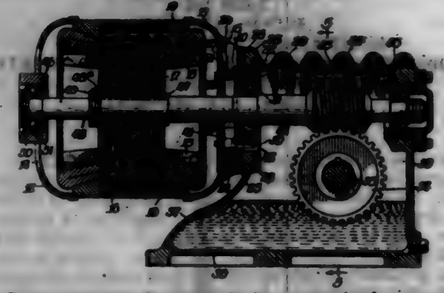
1. A wind screen for motor vehicles comprising a windshield proper, a transparent section arranged inwardly of and spaced from the windshield proper, means for introducing heated air into said space, the space between the windshield proper and said transparent section being provided with an outlet at at least one vertical edge to direct the escaping heated air from the space between the windshield proper and the transparent section into flowing contact with at least one of the side panels of the car, whereby to utilize such heated air to maintain such side panel or panels substantially dry and free of condensation.

2,099,818
INSECTICIDE SPRAYER
Albert R. Lavitt and Homer L. Pearson, Denver, Colo.
Application May 15, 1934, Serial No. 725,602
3 Claims. (Cl. 299—87)



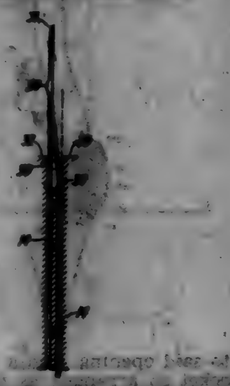
1. A sprayer unit comprising: a vertical cylindrical pressure head; a blow pipe extending outwardly from said head; an atomizer carried at the outer extremity of said blow pipe; a suction pipe extending downwardly from said atomizer; a bracket member clamped about said pressure head and extending outwardly and downwardly therefrom; a receiving socket formed in said bracket member; a liquid container supported in said socket about said suction tube, said socket comprising: a band surrounding said container; and a hook member extending downwardly from said band and beneath said container.

2,099,899
MOTORIZED REDUCTION GEAR ASSEMBLY
Otto L. Lewis, Chicago, Ill., assignor to Foote Bros. Gear & Machine Co., Chicago, Ill., a corporation of Illinois
Application December 31, 1932, Serial No. 648,189
5 Claims. (Cl. 172—36)



5. A motorized transmission gear train assembly comprising a motor housing and a gear housing arranged end to end with the motor shaft and the gear shaft rigidly coupled in axial alignment, that end plate of the motor housing adjacent the gear housing provided with an annular series of ventilating openings and within the annulus an extension neck with a radially extending flange disposed intermediate its length to provide an interspace giving access to the ventilating openings, the end plate of the gear housing having a central opening about the gear shaft to receive and center the neck end, the adjacent faces of the flange and gear housing end plate having fitted contact, and securing bolts transfixing said flange and gear housing end plate, that portion of the gear housing surrounding the drive shaft provided with heat-radiating convolutions.

2,099,927
YARN CONTROLLING MEMBER
Vincent Lombardi, Garden City, N. Y., assignor to Lombardi Knitting Machine Co. Inc., New York, N. Y., a corporation of New York
Application July 11, 1935, Serial No. 633,751
Renewed March 4, 1933
15 Claims. (Cl. 66—131)



1. A knitting machine needle comprising a single unitary shank, a yarn receiving hook at only one end of said shank, and a cam operated butt on said shank projecting away from said shank in a direction at right angles to the plane of said hook, said butt being relatively close to said hook compared to a point on said shank halfway between the ends of said shank.

2,099,962
TRUSS OR BRIDGE
Thomas Maddock, Phoenix, Ariz.
Application January 27, 1936, Serial No. 425,772
5 Claims. (Cl. 14—16)



1. A continuous truss construction having an expanding and contracting panel consisting of crossed members, pin connected at their approximate center with two of the four ends of the crossed members directly pin connected to the chords and the other two ends pin connected to struts or ties with the other end of such struts or ties pin connected to diagonally opposite chord points, the entire panel and its connections permitting the ends of the truss to be fixed to their supports by providing internally in the truss for longitudinal variations in length due to temperature changes and stresses.

2,099,982
YIELDING SUPPORT FOR VEHICLES
George Anderson Mercer, Jr., Savannah, Ga.
Application December 12, 1932, Serial No. 647,521
5 Claims. (Cl. 280—124)

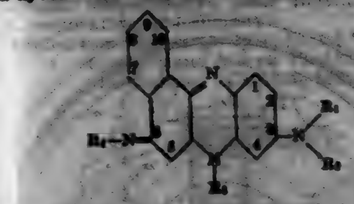
2. In a vehicular structure, the combination with an axle and a bolster above the same, said bolster comprising an H-beam having depending and upstanding flanges forming under and upper channels, of upward upstanding cylinders mounted on the axle, plunger sleeves telescoping the cylinders, springs housed by the sleeves and constituting yielding supports, connections between the plunger sleeves and the bolster engaged in the under channel of said bolster, and bearings against the underside of the web of the H-beam, means passing through the depending flanges



and securing the plunger sleeves to the bolster, and checks adjustably mounted in the upper bolster channel.

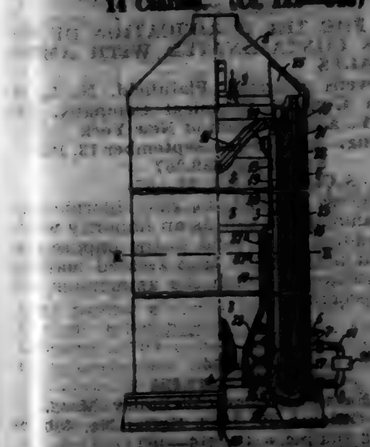
2,099,984
FAST COLORED LACQUER
Hans Neid and Wolfgang Jenck, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application November 17, 1931, Serial No. 575,632. In Switzerland November 25, 1930
3 Claims. (Cl. 134—79)

1. A fast-colored composition of matter consisting of a nitrocellulose lacquer which has been dyed with a sulfonic acid or an alkali salt thereof of a dyestuff of the general formula



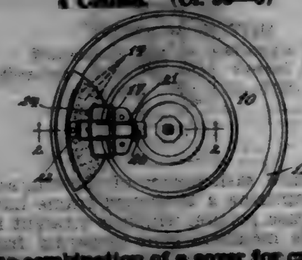
wherein R_1=hydrogen, alkyl or aryl,
R_2=hydrogen, alkyl, aryl or aralkyl,
R_3=alkyl or aryl, and
R_4=aryl.

2,099,985
WATER TUBE BOILER
Johan Olsen Nygaard, Oslo, Norway
Application June 11, 1932, Serial No. 616,717
In Norway June 12, 1931
14 Claims. (Cl. 122—348)



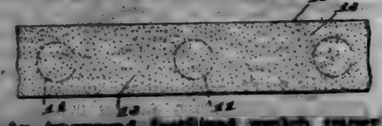
1. A water tube boiler comprising a central combustion chamber formed inside a combustion chamber wall, a plurality of layers of boiler tubes surrounding the said wall and spaced therefrom to provide between the wall and the innermost tube layer a smoke gas passage connected with the outlet portion of the combustion chamber, collecting headers for the boiler tubes, the tubes of at least one tube layer being at an end mounted slidably in their headers, supports for the headers so arranged at either end of the tubes as to prevent the headers from being pressed apart from one another longitudinally of the tubes, and an exterior pulling member supporting in turn the said supports so as to receive as tensile stresses the forces tending to press apart from one another the headers at both ends of the boiler tubes.

2,099,986
VESSEL COVER
Harry L. Pollock, Wilkinsburg, Pa.
Application May 17, 1934, Serial No. 726,181
4 Claims. (Cl. 53—8)



1. The combination of a cover for culinary vessels having a perforated area adjacent its edge, of an auxiliary cover for normally closing the perforated area, a hinge joint, one leaf of the hinge being fixed to the main cover and its free end being bent to provide a hook, the other leaf of the hinge being fixed to the auxiliary cover, a spring member having one end pivotally connected to one leaf of the hinge joint and its other end being free and adapted to be held by the hook on the other leaf of the hinge joint when the auxiliary cover is in raised position.

2,099,987
FERTILIZED MULCH PAPER
Edward Ray Pratt, West Medford, Mass.
Application January 7, 1935, Serial No. 716
7 Claims. (Cl. 47—9)



1. An improved fertilized mulch paper comprising in combination, a paper ribbon coated on one side with a prepared fertilizer, partially pierced disc members located at intervals along said ribbon.

2,099,988
SELF-WATERING SEED PAN
Fred T. Radley, Ceres, Calif.
Application September 27, 1934, Serial No. 745,747
3 Claims. (Cl. 47—33)

2. A self watering seed pan comprising as a unitary structure a seed pan, a water reservoir below the seed pan, and capillary columns extending from the seed pan to the reservoir, the upper edges of the body structure being flat and formed about three sides with an upstanding bead where-

by a flat ledge is left inwardly thereof and upon which a flat glass plate may be slid into support-



ing position on the ledge from the open side of the same and held in place by the beads.

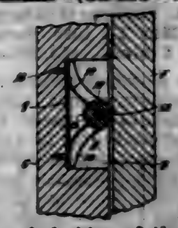
2,030,269

WINDOW SASH HOLDER

Thomas T. Rocke, Hartford, Conn.

Application September 12, 1934, Serial No. 743,709

3 Claims. (Cl. 292—75)



1. A window sash holder of the character described comprising a U-shaped frame having an elongated base portion which is straight in cross section, side members bent upwardly from said base portion and integral therewith, a roller slidably mounted in said side members for holding the sash in frictional engagement with a window frame and single means consisting of a spring member having its ends slidable on the said base portion for applying both lateral yielding pressure to said roller and frictional resistance against rotation thereof.

2,030,270

LOOM FOR WEAVING

Rudolf Rossmann, Gauting, near Munich, Germany, assignor to firm Tefag Textil-Finanz A. G., Zurich, Switzerland

Application May 17, 1933, Serial No. 671,526

In Germany June 6, 1932

5 Claims. (Cl. 139—154)



1. A loom for weaving having a lay and shuttle boxes associated therewith, individual carriers for said shuttle boxes, a transverse support member mounted on said loom and supporting said carriers and having provisions adapted to render the position of said carriers adjustable with respect to said lay and in accordance with the width of the fabric to be woven.

2,030,271

RADIO APPARATUS

William A. Schaper, Chicago, Ill., assignor to Meissner Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application March 6, 1933, Serial No. 659,710

9 Claims. (Cl. 175—41.5)

1. In a radio apparatus, a mounting base, a condenser mounted on each side of said base, each condenser having a plurality of plates, and a coaxial adjusting means for varying the axial distance between said plates to individually adjust said condensers.



4. A condenser unit comprising a base, a tubular stem mounted therein and projecting therefrom, said stem being internally and externally threaded, a condenser mounted on each side of said base, means engaging the internal threads of the stem for adjusting one of said condensers, and means engaging the external threads for adjusting the other condenser.

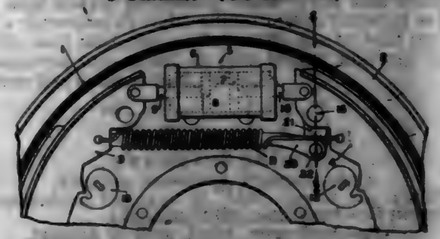
2,030,272

BRAKE ACTUATING MECHANISM

Steve Schnell, Overland, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application January 26, 1934, Serial No. 708,241

3 Claims. (Cl. 188—78)



1. In braking apparatus, the combination of a drum, a friction element for engaging the drum and provided with a coiled spring connected to the friction element for retracting it from the drum, and means for moving the latter into engagement with the drum, said means comprising a rod extending through the coils of said spring.

2,030,273

PROCESS FOR THE PURIFICATION OF MATERIALS CONTAMINATED WITH AMMONIUM SALTS

George Stevens Simpson, Plainfield, N. J., assignor to General Chemical Company, New York, N. Y., a corporation of New York

No Drawing. Application September 12, 1933, Serial No. 689,367

5 Claims. (Cl. 23—67)

1. The process of purifying zinc chloride containing an ammonium salt as an impurity which comprises adding nitric acid to the impure zinc chloride and heating the thus treated material at a temperature at which the ammonium salt therein is decomposed.

2,030,274

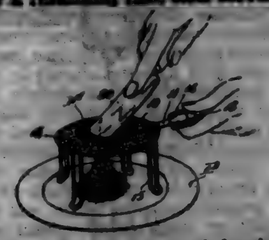
FOOD STRAINER

Marion Savage Stewart, Wellesley, Mass.

Application October 30, 1933, Serial No. 695,393

2 Claims. (Cl. 210—161)

1. A food strainer comprising a heavy piece of wire shaped to provide an annular support and a handle extending radially therefrom, spaced supporting legs comprising U-shaped pieces of wire having the ends welded to said annular support, and screening material welded to the lower edge of said annular support and providing a substantially flat and unobstructed screening surface surrounded by a retaining rim, said screening mate-



rial, legs and annular support having a heavy coating of a non-ferrous metal which fills in all crevices and recesses at the crossing points of the strands of the screening and at the junctions of the legs, support, and screening, thereby providing a smooth, continuous, rustproof surface free from recesses and food-collecting irregularities.

2,030,275

SHIELDING DEVICE

Paul Strehmel, Berlin-Steglitz, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application March 12, 1935, Serial No. 10,639

In Germany March 10, 1934

14 Claims. (Cl. 123—169)



1. A shielding device for attachment to spark plugs having a hexagon comprising, an outer cylindrical metal sleeve the diameter of which is less than the otherwise diameter of the hexagon of said spark plug, one end of said sleeve forming a hexagon arranged for placing said sleeve over the hexagon of said spark plug, parts in said hexagon on said sleeve for receiving the edges of said spark plug hexagon upon rotating said sleeve thereon, an inner sleeve disposed in said outer sleeve, and a screw joint at the other end of said outer sleeve for clamping said device onto said spark plug hexagon by means of said inner sleeve.

2,030,276

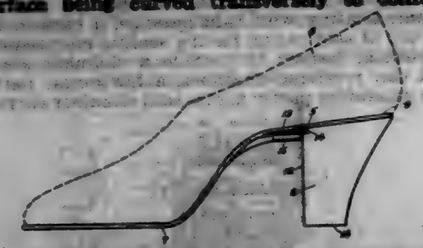
SHOE CONSTRUCTION

Ernst J. Story and John M. Delaney, Cincinnati, Ohio

Application October 24, 1932, Serial No. 639,506

1 Claim. (Cl. 36—34)

A one-piece wooden high heel comprising a body having a dished upper face and including a high substantially flat and vertical breast bounded at its upper end by a curved slot cut horizontally into the body of the heel, the opposite ends of said slot terminating in the sides of the body below the top edges thereof, at a higher elevation than the lowest point on the dished upper face, an extension on the heel body, forming part of the dished upper face of the body, and extending forwardly substantially at right angles to the plane of the breast, said extension having a curved under surface which is a straight-forward continuation of one wall of the slot, said surface being curved transversely to conform



substantially with the curvature of both the slot and the dished upper face, to provide substantially a curved knife-edge on the extension, all points of which edge are located in a plane substantially parallel to the plane of the breast.

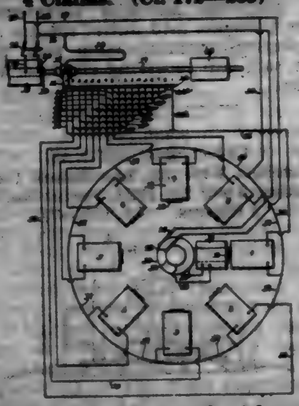
2,030,277

TORQUE MOTOR

Eugene S. Taylor, Chicago, Ill.

Application April 8, 1935, Serial No. 15,143

4 Claims. (Cl. 172—239)



3. A machine for doing work at low speed and high torque, comprising relatively movable members of which a member comprises a series of electrically energizable elements all having the same polarity when energized, another member having an electrically energizable element so arranged as to have a polarity when energized opposite to the polarity of the first mentioned elements when energized, said element being so constructed and arranged as to have a continuous supply of electric current independent of the supply of current in the said other elements, a circuit control means comprising a series of circuit closing contacts and circuits so arranged and connected as to correspond with the said other elements, and a circuit closing means so constructed and arranged as to successively contact said contacts for successively energizing the said other elements in either direction of the series thereof and for effecting relative and regular movement of said members with torque serially of the said other elements in accordance with the energizing thereof.

2,030,278

FERTILIZER MIXER AND SPREADER

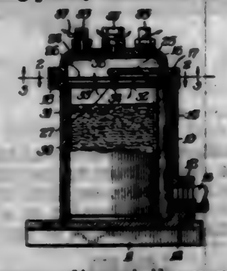
Ward Thorne, Chicago, Ill.

Application September 9, 1932, Serial No. 632,746

3 Claims. (Cl. 259—24)

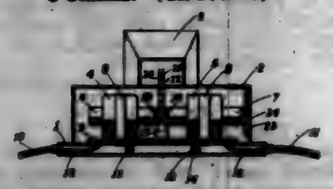
2. A fertilizer mixing device comprising a casing having bottom and side walls defining a

central can receiving chamber, an upwardly extending fluid passage formed in the wall of said casing, externally of said chamber, and an inlet opening in said casing at the bottom thereof communicating with said passage, a closure for the top of said casing having sealing engagement therewith, formed to provide a chamber above said can receiving chamber, a horizontal partition extending partly across said chamber carried



by said closure adjacent the upper end of said upwardly extending passage and defining a transverse passage communicating with said upwardly extending passage, a downwardly extending baffle on said partition partially interrupting said transverse passage, and outlet means in the top of said closure communicating with the chamber above said can receiving chamber formed by said closure.

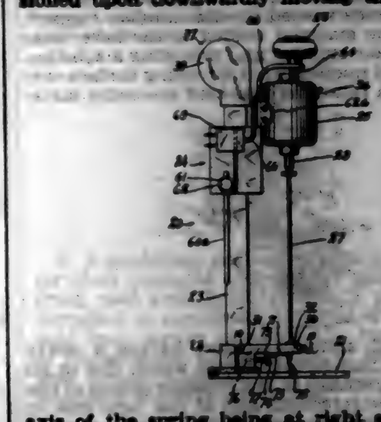
2,030,279
ELECTRIC SIGNAL
Francisco Toscano, Las Banos, Calif.
Application April 23, 1934, Serial No. 721,968
3 Claims. (Cl. 177—7)



1. An electric signal comprising an electromagnet, a resilient arm of non-magnetic material extending radially of the magnet in overlapping but spaced relation to one end of the core of the magnet, means anchoring the end of the arm farthest from the magnet, an armature of magnetic material mounted on the arm and projecting radially of the magnet at right angles to the arm from the side thereof opposite the magnet core and normally spaced from the arm, and a horn having an opening adjacent its throat and through which the outer portion of the armature freely projects.

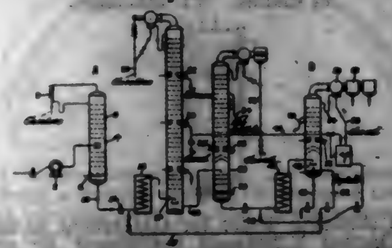
2,030,280
CLOTH DRILLING MACHINE
Joseph Vigliano, New York, N. Y.
Application November 19, 1935, Serial No. 50,529
14 Claims. (Cl. 164—86)

1. A cloth drilling machine, including a portable base, a standard secured on the base at one side thereof, a head movable along the standard, said head including a motor and a drill, the latter being disposed substantially centrally over the base, the base having an opening for the passage of the drill, manual means adjacent to the axis of the drill for exerting a downward pressure on said head for downwardly moving the drill, motor and drill, and means for automatically elevating said head, including a wound spring tensioned upon downwardly moving the head, the



axis of the spring being at right angles to the standard, as and for the purpose set forth.

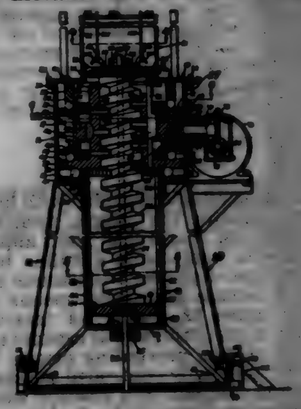
2,030,281
METHOD FOR FRACTIONATING PETROLEUM MIXTURES
George B. Coubrough, Long Beach, Calif., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application December 23, 1933, Serial No. 703,592
11 Claims. (Cl. 196—94)



1. The method of fractionating a petroleum mixture containing gasoline and heavier materials which consists in adding to the mixture a quantity of unvaporizable asphaltic heat storage residuum, heating the entire mixture under pressure, passing the heated mixture into a column at substantially atmospheric pressure, the ratio of pressures on the mixture in the heater and in the column being small whereby the presence of the asphalt retards vaporization and prevents excessive reduction of temperature, vaporizing the more volatile constituents in said column and withdrawing a residue, passing the residue without further heating to a second column in which the pressure on the oil is greatly reduced with respect to the pressure in the first column whereby the presence of the asphalt residuum facilitates vaporization of oils as volatile as wax distillate, and withdrawing a mixture of heavy lubricating stock and asphalt as residue.

2,030,282
PUMP JACK
Walter E. Cunningham, Boulder City, Nev.
Application August 6, 1934, Serial No. 738,678
11 Claims. (Cl. 74—56)

1. In a pump jack, a supporting frame, a well on said frame, a bowl arranged above and communicating with said well, a cover on said bowl, a guard on said cover, said guard being hollow and said cover having a hole affording communication between the guard and the bowl, a sleeve in said bowl, anti-friction means to support said sleeve for rotation, a bevel gear mounted to rotate on said sleeve and having upwardly directed teeth thereon, a second bevel gear spaced from said first bevel gear and mounted to rotate on said sleeve and having downwardly directed teeth thereon, anti-friction means to support said bevel gears, a clutch housing between said bevel gears, said clutch housing including a portion keyed to said sleeve, a drive gear in constant mesh with both of said bevel gears, a pair of clutch members in said clutch housing, one of said clutch members coacting with said lower bevel gear to clutch said lower bevel gear to the sleeve and the other clutch member serving to clutch the upper bevel gear to the sleeve, a threaded stem disposed in said well and said bowl and movable into and out of said cover,

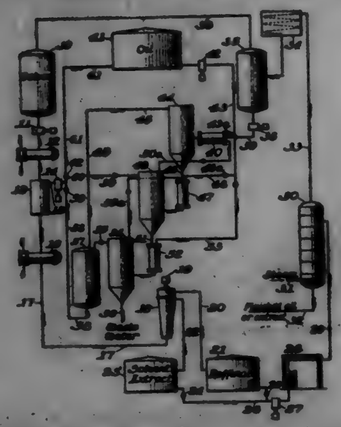


thread members in said sleeve engaging the threads of said threaded stem, said threaded stem having a disk thereon at the lower end thereof movable in said well, means to prevent rotation of said disk and said threaded member, said last mentioned means being disposed in said well, a cap on the upper end of said threaded member, a counter-weight attached to said cap, a clutch actuating member slidably mounted in said clutch housing, said clutch actuating member projecting beyond the clutch housing at each end thereof and having a roller at each end, said clutch operating member when in raised position being adapted to clutch said upper bevel gear to said sleeve and when in lowered position being adapted to clutch the lower bevel gear to said sleeve, the upper roller of said clutch actuating member when in upper position engaging said cap to shift the clutch actuating member and the lower roller on said clutch actuating member when in lowered position engaging said disk to shift the clutch actuating member.

2,030,283
CATALYST AND PROCESS FOR THE DECOMPOSITION OF HYDROCARBONS
Frank J. De Rosset, Caldwell, N. J., assignor to Atmospheric Nitrogen Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 13, 1931, Serial No. 530,797
17 Claims. (Cl. 23—212)

1. A catalyst active in promoting the reaction of methane and steam and comprising palladium, magnesium oxide and an oxide of cerium.

2,030,284
SOLVENT RECOVERY IN OIL EXTRACTION PROCESSES
Sterling H. Biggs, Casper, Wyo., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application February 23, 1933, Serial No. 658,037
8 Claims. (Cl. 196—13)



1. In a process for separating a petroleum oil into a plurality of components by the selective solvent action of beta beta dichlorethyl ether wherein the oil is intimately mixed with said ether, and the dichlorethyl ether phase is separated from the oil phase, the method of removing the dichlorethyl ether from one of said phases, which comprises heating said phase to a temperature of about 300–325° F., stripping said heated phase with steam for removing practically all of the dichlorethyl ether therefrom, condensing said steam, mixing said steam with oil which is to be extracted, and separating final waste water from oil which has absorbed the dichlorethyl ether from the water.

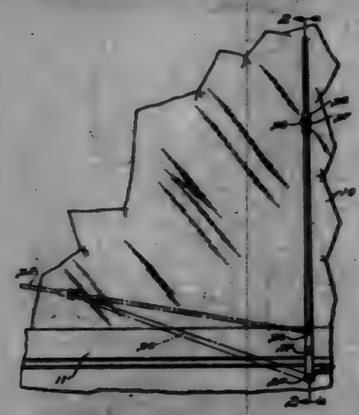
3. In apparatus of the class described, means for extracting oil with dichlorethyl ether and for separating a raffinate phase from an extract phase, means for steam distilling dichlorethyl ether from each phase, means for condensing said stripping steam, and means for contacting said condensed stripping steam with oil to be extracted, whereby said oil absorbs the dichlorethyl ether from the condensed stripping steam.

2,030,285
CAUTERIZING INSTRUMENT
George Dreyer, St. Louis, Mo.
Application October 26, 1934, Serial No. 749,720
1 Claim. (Cl. 219—31)



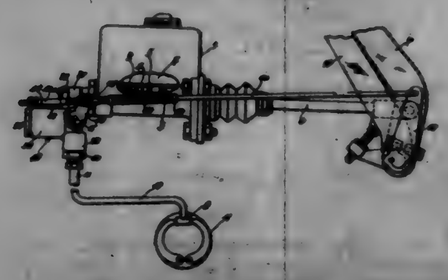
A cauterizing instrument comprising a handle, a tip secured in one end of said handle, a cauterizing point removably fixed in said tip, said point comprising a hollow metallic member, and a tubular heating coil disposed therein in contact with the inner wall of said member, and an auxiliary point disposed over and in contacting relation with said hollow metallic member, and suitable electric conductors connected to said coil and passing through the handle.

2,030,206
WINDSHIELD WIPER MECHANISM
Robert B. Evans, Grosse Pointe, Mich., assignor to E. H. Evans & Sons, a corporation of Michigan
Application April 23, 1934, Serial No. 721,882
5 Claims. (Cl. 15—255)



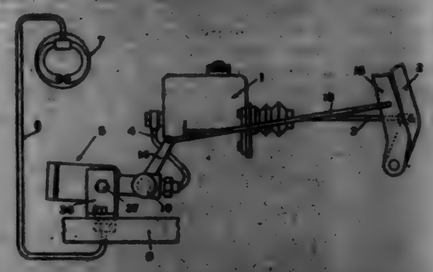
3. In combination, a windshield, a frame for said windshield, a support for said frame, a bearing sleeve mounted on said support adjacent said frame, a rock shaft journaled in said bearing sleeve, motor means operatively connected to one end of said rock shaft for rotatively oscillating said shaft, a resilient blade operating arm connected at one end to the remaining end of said rock shaft for oscillation thereby, a wiper blade, means for pivotally and loosely connecting one end of said blade directly to the frame of said windshield within the vertical limits of the adjacent portion of said frame, resilient means supported by said pivotal means for biasing the pivoted end of said wiper blade against said windshield and means for slidably connecting the outer end of said blade operating arm to said wiper blade.

2,030,227
BRAKE CONTROL MECHANISM
Walter R. Freeman, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application April 8, 1935, Serial No. 15,238
15 Claims. (Cl. 192—13)



1. In a motor vehicle provided with brakes and means for applying the brakes, means for preventing release of the brakes from applied position notwithstanding the applying means permits release thereof, said release preventing means comprising manually-controlled means and independently operable gravity controlled means, said gravity-controlled means being capable of assuming a position other than the position preventing release of the brakes wherein the brakes may be freely applied and released even though the manually-controlled means is in release preventing condition.

2,030,235
BRAKE CONTROL MECHANISM
Walter R. Freeman, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application June 13, 1935, Serial No. 26,077
11 Claims. (Cl. 192—13)



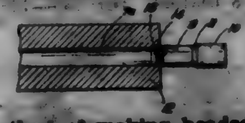
1. In a motor vehicle provided with brakes and means for actuating the brakes, means for preventing release of the brakes from applied position, said means comprising a rolling ball which under the action of gravity will assume a position causing said release preventing means to be effective and under the action of inertia during deceleration of the vehicle will assume a position causing said release preventing means to be ineffective, and manually controlled means for positively holding said ball in a position wherein the release preventing means is ineffective.

2,030,239
DRINKING FOUNTAIN APPARATUS
Alphons G. Haws, Berkeley, Calif.
Application May 10, 1933, Serial No. 670,223
4 Claims. (Cl. 299—15)



1. In a drinking fountain apparatus, a bowl, a head member with a liquid discharge passage therethrough and a by-pass with an outlet spaced from the outlet of the first passage, and a guard opposite the portion of the head containing the by-pass outlet and declining with the head a restricted space therebetween for the flow of liquid from the by-pass, the axis of the by-pass at its orifice being downwardly inclined with respect to the surface of the guard against which the liquid stream will impinge on discharging from the by-pass whereby the stream will be deflected from the guard for substantially direct flow to the bowl.

2,030,300
METHOD AND APPARATUS FOR MAKING HEADED BLANKS AND RESULTANT ARTICLE
John H. Friedmann, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio
Application July 11, 1932, Serial No. 622,963
22 Claims. (Cl. 10—27)



1. The method of making headed blanks for bolts and analogous screw-threaded articles which includes the following steps: extruding a portion of a length of stock to form a blank having a threading portion of reduced diameter and a head portion, the blank resulting from such extrusion having an annular portion at the joint between the head portion and said extruded portion, upsetting the head portion to form a head, and subjecting the headed blank to a further extrusion operation to reduce said annular portion to the diameter of the said extruded portion.

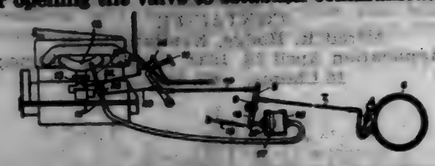
2,030,291
REFRIGERATOR CONSTRUCTION
Warren C. Fuller, Mansfield, Ohio
Application September 28, 1934, Serial No. 745,439
3 Claims. (Cl. 62—38)



1. In a refrigerator comprising a cold chamber, a compartment formed in a wall thereof, a reservoir of smaller size than the compartment mounted therein and having a surface thereof disposed in an opening in the compartment wall so as to be exposed to the cold chamber, said compartment wall being formed with a series of apertures disposed about the reservoir to permit convection currents to circulate therethrough, and means for withdrawing liquid from the reservoir to the exterior of the refrigerator.

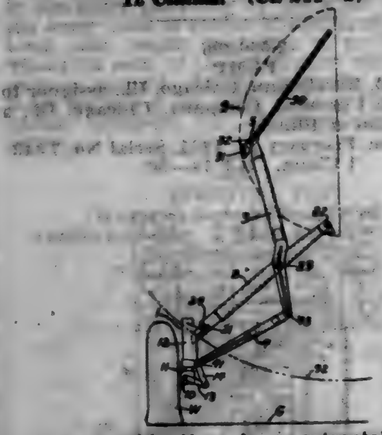
2,030,292
BRAKING APPARATUS
Martin Guglielmo, Dilliner, Pa.
Application November 21, 1934, Serial No. 754,188
2 Claims. (Cl. 188—153)

1. The combination with a vehicle having an internal combustion engine that is provided with a throttle-controlled intake, a vacuum cylinder having a piston, a pipe connecting the cylinder to the said intake, a valve controlling flow through said pipe, braking apparatus for a vehicle, a manually-operable brake lever for applying the brakes, an operative connection between said piston and the braking apparatus, a spring normally maintaining the said piston and apparatus in brake-release position, these parts being so proportioned that in the presence of a vacuum condition in the cylinder, the piston will hold said apparatus in a braking position that is dependent upon the degree of vacuum in the cylinder, a connection between the brake lever and said valve, for opening the valve to establish communication



between the said intake and the brake cylinder, when the brake lever is operated to apply the brakes, and a connection between the piston and the brake lever whereby they can have only synchronous movement, the said valve having a port which affords partial communication between said pipe and the atmosphere, simultaneously, when the brake lever is in an intermediate position and the valve is partially open.

2,030,293
RETRACTABLE LANDING GEAR FOR GEARED PROPELLER AIRPLANES
John F. Haberlin, Seattle, Wash., assignor to Boeing Airplane Company, Seattle, Wash., a corporation of Washington
Application July 24, 1934, Serial No. 736,893
12 Claims. (Cl. 244—2)



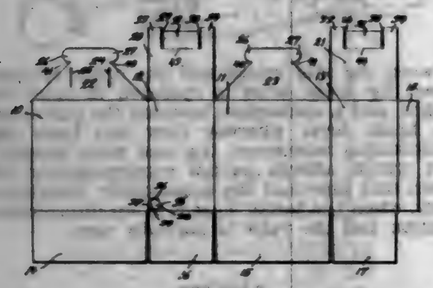
1. In combination, in a retractable landing gear, a wheel mounting, two crossed and pivotally connected struts, one end of one strut being fixedly pivoted, and its opposite end being pivotally secured to the wheel mounting, means connecting an end of the second strut to the wheel mounting, to control movement of the latter in cooperation with the first strut, and means for moving the opposite end of the second strut away from the wheel mounting to swing the first strut and the wheel mounting upwardly.

2,030,294
STAIN COVER
Lee L. Hazel, Portland, Oreg.
No Drawing. Application January 15, 1935, Serial No. 1,953
1 Claim. (Cl. 134—79)

A composition adapted to form a permanent and non-crackable surface treatment particu-

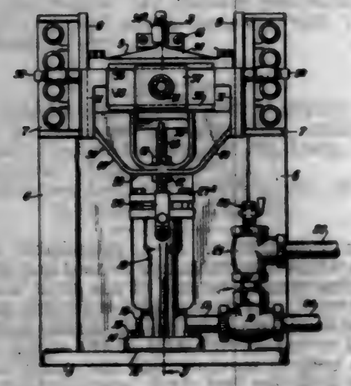
larly adapted to cover stains and to form a permanent cover thereover, comprising: peotiasak gum, resin, denatured alcohol, celluloid scrape, methyl acetone, benzol, castor oil, lithopone, and ultra-marine blue.

2,030,295
CONTAINER
Alfred R. Hedge, Kenilworth, Ill.
Application April 26, 1933, Serial No. 667,966
16 Claims. (Cl. 229—17)



16. A carton or box having a plurality of hinged flaps at one end to form a closure for the box, and extensible to form a tapered discharge spout with a restricted opening, the flaps having interengaging means to hold them together in forming the spout.

2,030,296
PUMP
Frederick B. Herstmann, Chicago, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois
Application February 28, 1935, Serial No. 7,343
1 Claim. (Cl. 74—59)



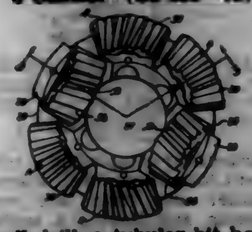
In a pump of the kind described, the combination of a cross head having top and bottom recesses separated by a rail member, shoes formed at either side of the cross head for sliding engagement with associated guide rails, a detachable cap closing the top end of the upper recess and formed to provide a rail member extending parallel with the first mentioned rail member, means for securing the cap to the shoes, and a bridge piece for closing the bottom of the lower recess, the ends of said bridge piece directed upwardly and outwardly and terminating at the lower ends of the associated shoes.

2,030,297
CORE CATCHER
John H. Howard, Huntington Park, and Alfred C. Catland, Alhambra, Calif., assignors to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Original application August 7, 1933, Serial No. 684,015. Divided and this application February 2, 1934, Serial No. 705,661
8 Claims. (Cl. 255—72)



8. A core catcher including a body having an opening for passing a core and a plurality of circumferentially spaced rigid dogs pivoted on the body in a common horizontal plane for engaging the core, some of the dogs being adapted to project a relatively short distance into the opening to bite into a core of large diameter, other dogs being adapted to project a greater distance into the opening to bite into a core of smaller diameter, the short dogs being spaced between the longer dogs.

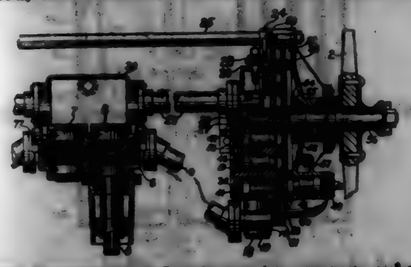
2,030,298
CORE DRILL HEAD
John H. Howard, Huntington Park, and Alfred C. Catland, Alhambra, Calif.; said Catland assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Original application May 25, 1934, Serial No. 727,499. Divided and this application December 15, 1934, Serial No. 757,692
3 Claims. (Cl. 255—72)



1. In a well drill, a tubular bit head, two substantially diametrically opposite cutters mounted on the lower end of the head to rotate about downwardly and outwardly inclined axes, spiralled cutting parts on the cutters, the cutting parts of one cutter being spiralled in one direction and the cutting parts of the other cutter being spiralled in the other direction, pairs of cutters mounted on the lower end of the head between said two cutters to rotate about downwardly and inwardly inclined axes, one cutter of each pair having straight axial cutting teeth, the other cutters of the said pairs having spiralled cutting parts.

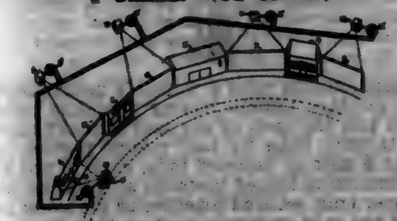
2,030,299
HYDRAULIC TRANSMISSION
Robert K. Jack, Lansing, Mich.
Application March 6, 1934, Serial No. 714,223
5 Claims. (Cl. 60—52)

1. In a fluid pressure power transmitting apparatus, the combination with a force pump, of a rotor having eccentric circular grooves, a central shaft for the rotor, a rotor housing comprising separable members provided with shaft bearings, a tube valve, a tube valve casing carried by the rotor housing in radial position, means communicating with the pump and valve, means for operating said valve from a distance, said valve having spaced ports, a plurality of hollow drive plugs, one for each groove, arranged in said housing at different distances from the center and having springs normally holding said plugs retracted, said housing having driving ports lead-



ing from each drive plug to a rotor groove and said drive plugs having ports registering with the driving ports of said housing, said housing having passages for connecting the valve ports and driving ports, said drive plugs being adapted to be moved by fluid pressure into the said rotor grooves, a fixed power transmitting stop block located in each rotor groove and constructed to retract said plugs against pressure, said housing having exhaust ports communicating with said rotor grooves and an exhaust channel common to said ports and having an external opening.

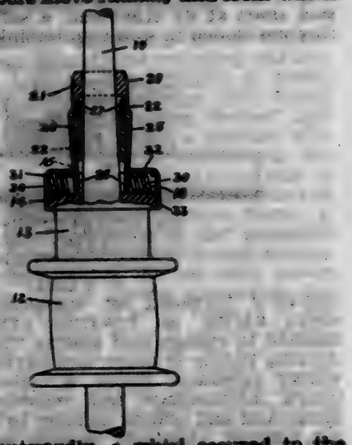
2,030,300
COMPOSITE PHOTOGRAPHY
Fred W. Jackman, Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application October 25, 1933, Serial No. 695,118
4 Claims. (Cl. 88—16)



1. The method of photographically producing a composite picture which comprises simultaneously projecting motion pictures representing supplementary portions of a background scene onto a series of different translucent screens materially separated to provide spaces for correlated portions of actual scenery, said screen scenes and scenery forming a large background area for continuous foreground action and synchronously therewith photographing said screens and said portions of actual scenery sequentially while said foreground action takes place in front thereof.

2,030,301
BOBBIN CLUTCH FOR ROTATABLE SPINDLES
John Frederick Jackson, Pawtucket, R. I., assignor to H & B American Machine Company, Pawtucket, R. I., a corporation of Maine
Application January 11, 1935, Serial No. 2,542
4 Claims. (Cl. 242—54.7)

1. A rotatable spindle comprising a blade, a plurality of clutch members positioned symmetrically around the blade and extending longitudinally and angularly movable radially thereof, and presenting outer surfaces for engaging the bobbin and inner surfaces having fulcrumed engagement intermediate their ends with the blade, a sleeve concentric with the blade and secured at its upper end thereto and having a plurality of longitudinal slots fitting the bobbin clutching members and within which slots the bobbin clutching members move radially and from which



they project outwardly, a whirl secured to the blade having a plurality of slots in its upper face and extending radially outward from the blade to the outer periphery of the whirl into which the lower ends of bobbin clutching members extend, and means including a spring located wholly in each of the whirl slots whereby pressure is applied radially inwardly against the outer surface of the lower ends of the respective clutch members for effecting the clutching action.

2,030,302
SPINNING TOP
Walter L. Jones, Kenmore, N. Y.
Application May 9, 1933, Serial No. 670,080
Renewed July 6, 1935
5 Claims. (Cl. 46—69)

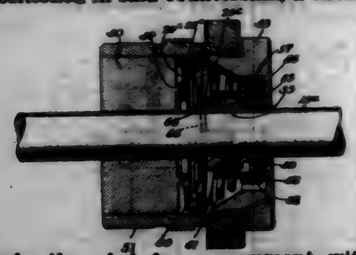


1. A device of the character described, comprising a rigid open-ended, spool-like body having openings therein, and hollow rubber heads applied to and enclosing the open ends of said body and having portions extending through and interlocking with said body-openings.

2,030,303
SEAL FOR ROTARY ENGINES
Herbert E. Kempton, Chicago, Ill., assignor to Tuthill Pump Company, Chicago, Ill., a corporation of Illinois
Application November 18, 1931, Serial No. 575,693
3 Claims. (Cl. 230—11)

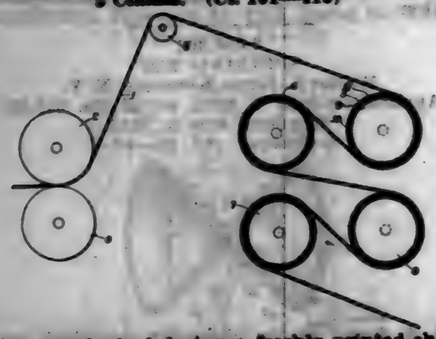
1. In combination with a device of the character described comprising a casing having a hollow cylindrical portion and a shaft extending therethrough, a detachable tubular member adapted to be secured in said hollow portion a sleeve bearing positioned in the inner end of

said tubular member through which the shaft extends, an annular sealing member surrounding said shaft within said tubular member and having a lapped surface engaging a correspondingly lapped surface on said bearing, an annular flexible diaphragm having its outer edge secured to the periphery of the sealing member, an externally threaded sleeve fitted tightly on said shaft and secured at one end to the inner edge of said diaphragm, said sleeve being countersunk around said shaft at its other end, a soft metal sealing ring positioned in said countersink, a tubular nut



interiorly threaded for engagement with said sleeve having an inwardly extending flange adapted to engage said sealing ring for securing the ring tightly in place, and having also an outwardly extending flange, a coiled spring positioned intermediate said outwardly extending flange and said sealing member to hold said sealing member yieldingly against said bearing, a felt ring surrounding said shaft adjacent said inwardly extending flange, and a cap member screw threaded into said tubular member and having an end wall engaging said felt ring.

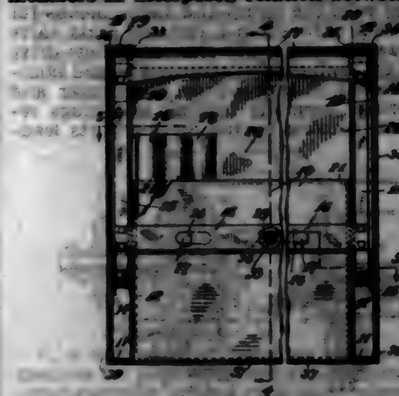
2,039,264
PRINTING
Theodore R. Knowlton, New York, N. Y.
Application July 30, 1931, Serial No. 551,918
5 Claims. (Cl. 101—416)



3. A method of drying a freshly printed sheet comprising providing a cylinder having a perforated periphery, facing the cylinder with a foraminated layer having an irregular uneven surface, circumvolving the freshly printed sheet over the cylinder with the freshly printed side in contact with the foraminated layers, and ejecting a drying means through the perforated cylinder against the freshly printed sheet.

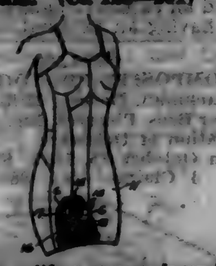
2,039,265
ACCESSORIES CONTAINER
Edwin H. Koehler, New York, N. Y.
Application December 19, 1929, Serial No. 765,629
17 Claims. (Cl. 220—41)

1. In a device of the character described, in combination, a casing having an open end and a closed end, a pair of spaced parallel endless flexible members guided within said casing for longitudinal traveling movement therein, a cover carried by said members capable of movement across the open end of said casing for opening and closing the latter, an article carrier carried by said members in interposed relation between the lat-



ter and capable of longitudinal movement within said casing, including movement beyond said flexible members toward the closed end of said casing, and exterior operating means capable of moving said members concomitantly.

2,039,266
ATTACHMENT FOR WOMEN'S GARMENTS
Mary Evelyn Lain, San Francisco, Calif.
Application June 9, 1934, Serial No. 729,786
1 Claim. (Cl. 128—291)



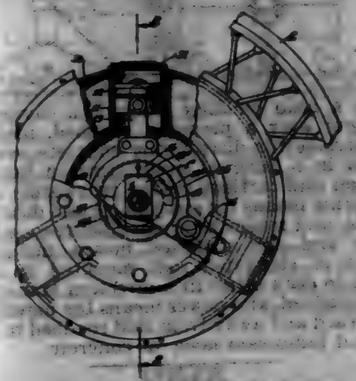
In combination with a woman's undergarment and a sanitary napkin having a middle padded portion and the ends of the said sanitary napkin being thinner than its said middle padded portion; of a pair of opposed tabs, each of the said tabs comprising looped material and having their two upper ends secured together to the lower portion of the said undergarment so that the lower end of the tabs hang freely therefrom and being of such length that the lower ends of said tabs are spaced from each other when bent toward the middle curvature of the crotch, eyelets so spaced from the free end of each tab to be overlapped by the respective thinner ends of the napkin and to accommodate pins extending through the overlapping ends of the napkin and the said eyelets to hold the tabs and the padded portion of the napkin as a contiguous unit conforming to said curvature of the crotch.

2,039,267
MANUFACTURE OF FOUR POINT DEPRESSORS
Frederick H. Maclaggan, Calumet City, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application April 19, 1935, Serial No. 16,998
16 Claims. (Cl. 87—9)

1. The improvement in the preparation of four point depressors of the condensation type pre-

pared by the chemical condensation of a chlorinated hydrocarbon with an aromatic hydrocarbon in the presence of aluminum chloride, which comprises separating the chlorinated hydrocarbon into a fraction comprising substantially monochloro derivatives of the chlorinated hydrocarbon, and a fraction comprising substantially dichloro derivatives of the chlorinated hydrocarbons and chemically condensing the latter with an aromatic hydrocarbon in the presence of aluminum chloride.

2,039,268
HYDRAULIC BRAKE
Howard E. Marsh, Ventura, Calif.
Application October 2, 1933, Serial No. 691,796
5 Claims. (Cl. 188—91)



1. In a mechanism of the class described, a revoluble member, a support therefor, a cylinder mounted on one of the former, a bearing mounted on the other of the former at the central portion of the revoluble member, a piston reciprocally mounted in the cylinder, means mounted on the bearing and operatively connected with the piston, reservoir means connected with said cylinder, a valve for controlling the flow of fluid between the reservoir means and the cylinder, and means for shifting said bearing transversely with respect to the axis of the revoluble member and also operating said valve, the latter means being so constructed and arranged that said bearing is shifted transversely to a large extent before said valve is materially operated.

2,039,269
CURTAIN FIXTURE
Marie Martinez, Memphis, Tenn.
Application January 22, 1934, Serial No. 707,891
4 Claims. (Cl. 156—23)



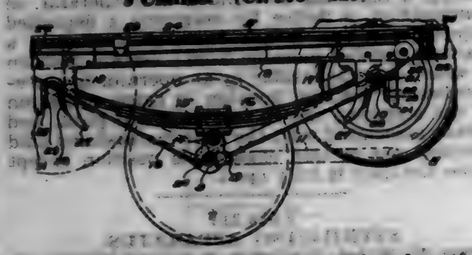
1. A curtain fixture consisting of a single piece of material formed U-shape, and terminating at each end in pivot eyes, and hooks formed on the parallel arms of said U-member.

2,039,310
APPARATUS FOR DESTROYING INSECTS
Leigh B. McWilliams and Lyle V. McWilliams, Whittier, Calif.
Application November 21, 1933, Serial No. 699,000
2 Claims. (Cl. 43—112)



1. An apparatus for destroying insects including a positive sheet metal frame including end and side plates and adapted to be placed in direct circuit with a source of electricity, said frame having flanges on the end plates thereof and spaced notches in its side plates, a positive wire winding secured in the spaced notches so the strands thereof extend parallel and from side to side of said frame and arranged to be charged with electricity through said positive frame, a negative metal frame secured to but insulated from and normally out of circuit with said positive frame and having flanges on the side plates thereof and also having spaced notches in the side plates thereof that are offset relative to the notches in the side plates of said positive frame, a negative wire winding secured in the offset spaced notches of said negative frame so the strands thereof extend parallel and from side to side thereof and also parallel and offset relative to the strands of said positive wire winding so that insects in attempting to pass between the strands of said windings will close the circuit between said frames and thereby be electrocuted by the electrical current.

2,039,311
COMBINED ROAD AND RAIL VEHICLE
Kirwan Y. Messick, Clarendon, Va.
Application February 20, 1934, Serial No. 712,183
9 Claims. (Cl. 105—215)



1. The combination with a vehicle, of a set of track wheels therefor and a set of ground wheels therefor, a frame by which all of said wheels are carried, and means for shifting said frame bodily longitudinally with respect to the vehicle body to thereby bring either of said sets of wheels to a common operative position, and means for supporting the vehicle body from the set of wheels moved to such operative position.

2,039,312
FIREARM SIGHT
Iver O. Mosberg, West Haven, Conn., assignor to O. F. Mosberg & Sons, Inc., New Haven, Conn., a corporation
Application May 5, 1933, Serial No. 669,564
2 Claims. (Cl. 33—47)

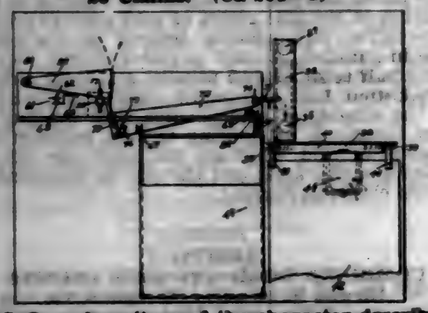
1. The combination with a firearm barrel provided with a transverse interlocking groove; of a key-member located within and interlocked with the said groove; a body-member having a trans-

versely-concaved under side resting upon the surface of the said barrel; and clamping-means extending between the said key-member and the said body-member and acting to bind the latter



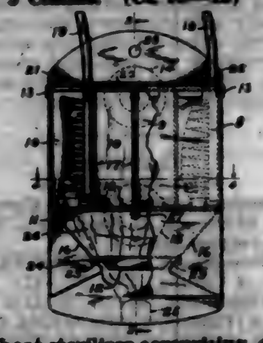
upon the periphery of the said barrel; the said body-member and key-member being formed to provide a coacting socket and projection for locating said body longitudinally and circumferentially of the barrel.

2,030,313
DEPOSITORY
John J. Murtaugh, Jr., Floral Park, N. Y., assignor to Mosler Safe Co., Hamilton, Ohio, a corporation of New York
Application October 3, 1934, Serial No. 746,645
20 Claims. (Cl. 234—1)



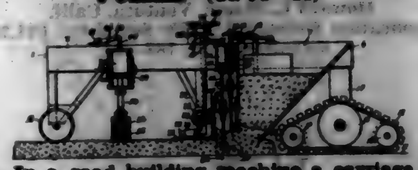
13. In a depository of the character described, having a receiving slot and a door therefor, in combination, a device for stamping a deposited object, operating means therefor, including a starting member movable from a certain position in which it is engageable by an operator to a predetermined starting position to cause operation of the stamping device to stamp a deposit, and means associated with the door maintaining said member out of said engageable position except when the door is fully open.

2,030,314
STERILIZING APPARATUS
James E. Myers, Whitefish Bay, and William F. Simonson, Milwaukee, Wis.
Application February 3, 1934, Serial No. 709,588
5 Claims. (Cl. 99—18)



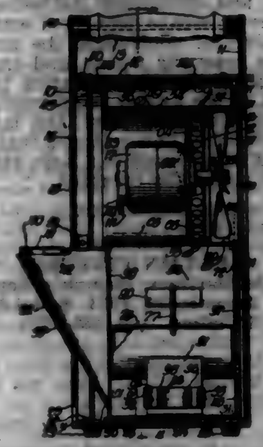
4. A dry-heat sterilizer comprising, a main casing having a lower heat distributing chamber and a series of segregated compartments extending upwardly from said chamber, a screen interposed between the top of said chamber and the lower ends of said compartments, a baffle plate at the bottom of said chamber spaced from the side walls thereof, and means for applying heat to said chamber around the edges of said plate remote from said screen.

2,030,315
RODDING AND TAMPING MACHINE FOR CONCRETE
Robert James Noble, Glendale, Calif.
Application February 20, 1933, Serial No. 657,499
6 Claims. (Cl. 94—44)



1. In a road building machine a carriage for movement over a prepared roadbed, means on said carriage for distributing concrete over said roadbed in a layer of predetermined thickness, means on said carriage spaced rearwardly of said distributing means for striking off said distributed concrete, and means interposed between said distributor and said strike-off means including a plurality of elongated rods mounted in spaced relation to each other in a direction transversely of said roadbed, and power means for moving said rods toward and away from said roadbed to penetrate and tamp said layer of concrete.

2,030,316
AIR CONDITIONING DEVICE
Fred M. Opitz, Milwaukee, Wis., assignor to Herzel Radiator Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 4, 1933, Serial No. 693,164
20 Claims. (Cl. 219—39)



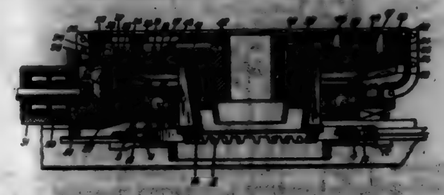
1. In a portable air conditioning device, a water receptacle, a heating element in direct thermo-conductive contact with the water in said receptacle and sealed in said receptacle, an air inlet for said receptacle, a fan mounted in the upper portion of said receptacle and enclosed within an annular casing communicating with said receptacle, and automatic means for controlling the operation of said heating element and fan responsive to the water level in said receptacle.

2,030,317
MACHINE FOR THE PRODUCTION OF KNITTED FABRICS
John Archibald Phillips, Nottingham, England
Original application May 3, 1930, Serial No. 449,646, now Patent No. 1,910,932, dated May 23, 1933. Divided and this application July 13, 1931, Serial No. 550,573. In Great Britain May 7, 1929
7 Claims. (Cl. 66—25)



1. A machine for the production of ribbed knitted fabric having two sets of needles which draw their loops in opposite directions, thread feeding means for feeding a ground and a plating thread to said needles, cams for operating the needles of one set to knit the ground and plating threads and the needles of the other set to knit the said ground thread and to receive the said plating thread over their latches and means for subsequently displacing the needles of the second set to cause the said plating thread to take up a position below the said latches to be cast off with the old loops on the said needles.

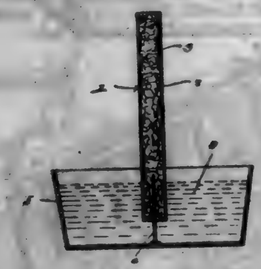
2,030,318
WELL BORING APPARATUS
Albert Prenger and Burwell Bayliss, Jr., Beaumont, Tex., assignors, by mesne assignments, to International-Stacey Corporation, Columbus, Ohio, a corporation of Ohio
Application June 1, 1931, Serial No. 541,466
3 Claims. (Cl. 145—23)



1. A make-and-break rotary comprising a rotatable table, a spider, means for driving said rotatable table, an oil bath housing partially enclosing said rotatable table and projecting partially across the top thereof, a skirt on said rotatable table, and an annular trough entirely within said housing and so disposed as to cooperate with said skirt for conducting foreign matter thereinto, said annular trough having ports leading therefrom.

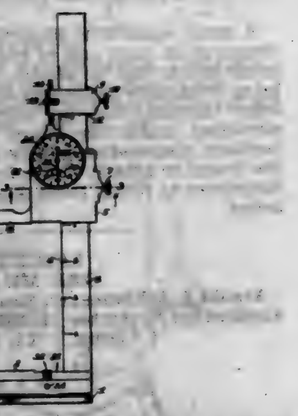
2,030,319
CIGARETTE AND METHOD OF MAKING THE SAME
Arthur F. Rembert, Irondequoit, N. Y.
Application January 31, 1934, Serial No. 709,181
1 Claim. (Cl. 131—58)

The herein described method consisting in partly inserting a pin in one end of a cigarette, then inserting that end of the cigarette containing the pin in a receptacle having a flat bottom to a point where the outer end of the pin will rest on the bottom, whereby said end of the cigarette is spaced from the bottom, said receptacle containing liquid material which will solidify when dry to form a tip for said one end of the



cigarette, the level of the liquid in the receptacle being below the end of the pin in the cigarette, then removing the cigarette, and finally removing the pin after the coating has solidified.

2,030,320
PRECISION INSTRUMENT
Massino Bicci, Seneca Falls, N. Y., assignor of one-half to Albert Caluros, Seneca Falls, N. Y.
Application January 27, 1934, Serial No. 708,633
2 Claims. (Cl. 33—147)

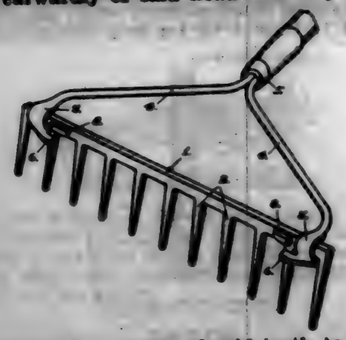


1. In a precision instrument of the character described, the combination with a stem, a fixed gauge element thereon and a movable gauge element carried thereby, of a rack bar on the stem, a low denomination dial on the movable element geared to the rack bar, a high denomination dial on the movable element calibrated in multiples of the first and provided with an opening through which the latter is readable, and an indicator on the high denomination dial geared to the low denomination dial.

2,030,321
DOUBLE ACTING GARDEN RAKE
Edward H. Rushlow, Arcadia, Calif.
Application October 24, 1934, Serial No. 749,770
2 Claims. (Cl. 55—16)

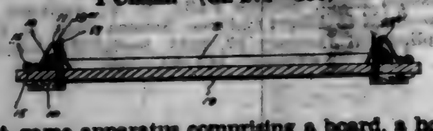
1. In a garden rake, a handle, arms extending outwardly from said handle, eyes at the outer ends of said arms, a rake head mounted to turn in either direction in said eyes, teeth depending from said head and stop members carried by

each of said eyes below the plane and forwardly and rearwardly of said head and in position to



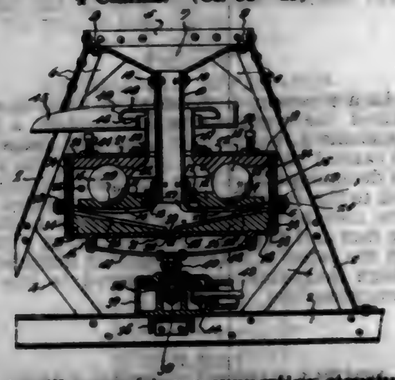
be engaged by certain of said teeth to limit the turning of the rake head in either direction.

2,030,111
GAME APPARATUS
Henry B. Scherer, South St. Paul, Minn.
Application June 22, 1935, Serial No. 28,937
1 Claim. (Cl. 273—1.07)



A game apparatus comprising a board, a hood structure at each end of the board within which game pieces can be stored, said hood structures being swingably connected to the board along one edge thereof, and an elongated elastic band stretched under the board and having its end portions disposed upwardly through openings in the board to attach to the free edges of the hood structures to retain them downwardly against the board.

2,030,323
ORE MILL
Arnold J. Schlumegger, San Bernardino, Calif.
Application November 11, 1932, Serial No. 642,226
4 Claims. (Cl. 83—45)



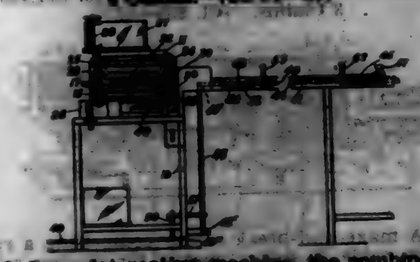
1. A mill comprising a supporting structure, a stationary member mounted on the supporting structure, a housing rotatably mounted on the stationary member and enclosing said stationary member, means for introducing the material into the housing, means in the housing for reducing the material, and flexible drive means for actuating the housing and permitting substantially universal movement of said housing relative to the stationary member, the last-named means comprising a resilient plate secured, at its ends, to the housing, a drive shaft, and means connecting the resilient plate to said drive shaft.

2,030,324
ACTUATING MEANS FOR CLOSURES, SUCH AS DOORS, LIDS, AND THE LIKE
Oscar C. Schmidt, Cincinnati, Ohio, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a corporation of Ohio
Application May 27, 1935, Serial No. 23,512
5 Claims. (Cl. 16—73)



1. In actuating means of the character described, the combination of a bracket arranged to be secured to the wall of a closure opening, an arm arranged for shiftable connection with the closure, a helical spring extending lengthwise of the arm, a rod therein having pivotal connection at its outer end with said bracket, the outer end of said spring having abutment on said arm, the inner end of said spring having abutment on the inner portion of said rod, and a link having pivotal connections at its respective ends with the outer end of said arm and said bracket, the axis of said first-named pivot being normally at one side of the plane of the axes of said second-named pivots when the closure is closed.

2,030,325
ROLLER COATING MACHINE
William E. Shelton, Los Angeles, Calif.
Application March 9, 1934, Serial No. 715,313
Renewed November 30, 1935
9 Claims. (Cl. 91—59)



1. In a slat coating machine, the combination of a frame; a face roller journalled on said frame, a feed roller journalled on said frame and frictionally engaged with said face roller for carrying coating material to the latter, supply means for carrying coating material to said feed roller; a companion face roller journalled on said frame, a feed roller journalled on said frame and frictionally engaged with said companion face roller, supply means for carrying coating material to said last mentioned feed roller, said face rollers being spaced to accommodate the travel of a slat therebetween; driving means gearing all of said rollers together; means to direct a slat for engagement between said face rollers; side coating roller mechanisms, one mounted at each end of a face roller, each mechanism comprising a roller carrier mounted on said frame for lateral adjustment with respect to said slat, a side feed roller journalled on said carrier and frictionally engaged with an end of a face roller, an intermediate roller journalled on said carrier and frictionally in train with said side feed roller, and a side distributing roller journalled on said frame and frictionally in train with said intermediate roller, said side distributing roller being resiliently mounted to be engaged with a side of a slat.

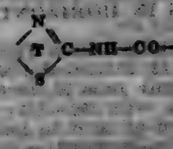
2,030,326
FILAMENT SUPPORT
Ralph C. Sherwood, San Francisco, Calif., assignor to Heinis and Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application May 22, 1935, Serial No. 22,723
3 Claims. (Cl. 250—27.5)



1. In combination, a thermionic tube envelope having an inwardly projecting stem, a single pair of current supply leads sealed through said stem, said leads being bent to form a pair of spaced horizontal extensions, and again bent downwardly to form spaced adjacent elbows, and still again bent each lead to pass under the other, and finally rising to terminate in the plane of said extensions, and a plurality of electron emitting filaments bridging said leads and connected thereto in the plane of said extensions.

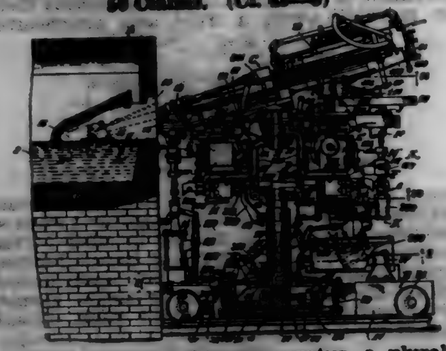
2,030,327
WATERINSOLUBLE AZODYESTUFFS
Gerhard Schrader, Opladen, near Cologne, and Werner Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Original application September 2, 1933, Serial No. 688,669. Divided and this application August 4, 1934, Serial No. 738,582. In Germany September 5, 1932
8 Claims. (Cl. 260—44.2)

1. Waterinsoluble azodyestuffs of the general formula:



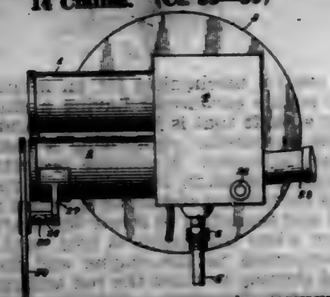
wherein T stands for the radical of a thiazole compound, ac stands for an acyl radical and R stands for the radical of a diazotized primary amine suitable for producing azodyestuffs, yielding, when produced on the fibre, generally yellow shades of good fastness properties.

2,030,328
GLASS WORKING APPARATUS
Harold R. Schenk, Ottawa Hills, Ohio, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application July 11, 1932, Serial No. 621,854
50 Claims. (Cl. 49—5)



1. In a glass working apparatus, a plurality of glass treating mechanisms each positioned at a separate station, a plurality of similar independently movable glass forming mechanisms, and means for moving each forming mechanism independently to each station in properly timed relation to the movements of the other forming mechanisms so that only one of the forming mechanisms will be at any one station at any one time.

2,030,329
APPARATUS FOR COMPARING COLORS
James E. Simons, San Francisco, Calif.
Application September 22, 1934, Serial No. 745,074
14 Claims. (Cl. 35—59)

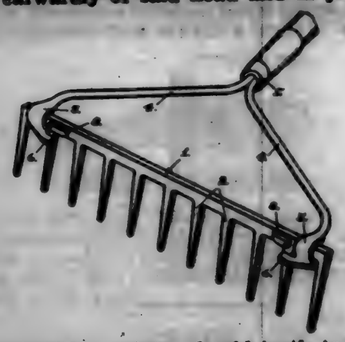


1. A color comparing apparatus comprising a sight tube adapted to be directed at an object, a rotary drum mounted alongside of the tube and having a series of colors arranged on the inner periphery thereof and adapted to bring any one of the colors in side by side relation to the tube, an enclosure for the drum secured to the tube, a light chamber adjacent the drum enclosure and adjacent the tube and having means for illuminating the object and the color thus positioned, and a light passage leading from said color to the rear of the tube.

2,030,330
DRIVE MECHANISM FOR SHAKER CONVEYERS
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 16, 1933, Serial No. 685,427
Renewed June 27, 1935
10 Claims. (Cl. 74—56)

1. In a shaker conveyer drive, a motor, a reciprocable driven member, and means for trans-

each of said eyes below the plane and forwardly and rearwardly of said head and in position to



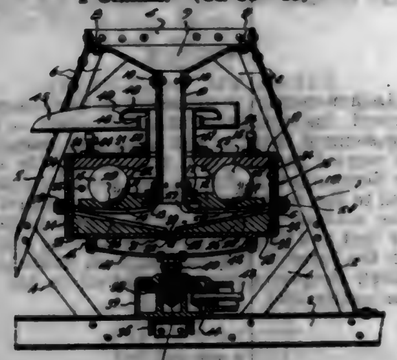
be engaged by certain of said teeth to limit the turning of the rake head in either direction.

2,030,322
GAME APPARATUS
Henry B. Scherer, South St. Paul, Minn.
Application June 28, 1935, Serial No. 28,937
1 Claim. (Cl. 273—136)



A game apparatus comprising a board, a hood structure at each end of the board within which game pieces can be stored, said hood structures being swingably connected to the board along one edge thereof, and an elongated elastic band stretched under the board and having its end portions disposed upwardly through openings in the board to attach to the free edges of the hood structures to retain them downwardly against the board.

2,030,323
ORE MILL
Arnold J. Schlunegger, San Bernardino, Calif.
Application November 11, 1932, Serial No. 642,226
4 Claims. (Cl. 83—45)



1. A mill comprising a supporting structure, a stationary member mounted on the supporting structure, a housing rotatably mounted on the stationary member and enclosing said stationary member, means for introducing the material into the housing, means in the housing for reducing the material, and flexible drive means for actuating the housing and permitting substantially universal movement of said housing relative to the stationary member, the last-named means comprising a resilient plate secured, at its ends, to the housing, a drive shaft, and means connecting the resilient plate to said drive shaft.

2,030,324
ACTUATING MEANS FOR CLOSURES, SUCH AS DOORS, LIDS, AND THE LIKE
Oscar C. Schmidt, Cincinnati, Ohio, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a corporation of Ohio
Application May 27, 1935, Serial No. 22,642
5 Claims. (Cl. 12—72)



1. In actuating means of the character described, the combination of a bracket arranged to be secured to the wall of a closure opening, an arm arranged for shiftable connection with the closure, a helical spring extending lengthwise of the arm, a rod therein having pivotal connection at its outer end with said bracket, the outer end of said spring having abutment on said arm, the inner end of said spring having abutment on the inner portion of said rod, and a link having pivotal connections at its respective ends with the outer end of said arm and said bracket, the axis of said first-named pivot being normally at one side of the plane of the axes of said second-named pivots when the closure is closed.

2,030,325
ROLLER COATING MACHINE
William E. Sheldon, Los Angeles, Calif.
Application March 6, 1930, Serial No. 714,511
Renewed November 20, 1935
6 Claims. (Cl. 91—59)



1. In a slat coating machine, the combination of a frame; a face roller journalled on said frame, a feed roller journalled on said frame and frictionally engaged with said face roller for carrying coating material to the latter, supply means for carrying coating material to said feed roller; a companion face roller journalled on said frame, a feed roller journalled on said frame and frictionally engaged with said companion face roller, supply means for carrying coating material to said last mentioned feed roller, said face rollers being spaced to accommodate the travel of a slat therebetween; driving means gearing all of said rollers together; means to direct a slat for engagement between said face rollers; side coating roller mechanisms, one mounted at each end of a face roller, each mechanism comprising a roller carrier mounted on said frame for lateral adjustment with respect to said slat, a side feed roller journalled on said carrier and frictionally engaged with an end of a face roller, an intermediate roller journalled on said carrier and frictionally engaged with said side feed roller, and a side distributing roller journalled on said frame and frictionally in train with said intermediate roller, said side distributing roller being resiliently mounted to be engaged with a side of a slat.

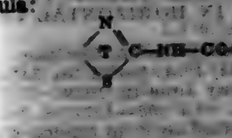
2,030,326
FILAMENT SUPPORT
Ralph C. Sherwood, San Francisco, Calif., assignor to Heintz and Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application May 22, 1935, Serial No. 22,723
3 Claims. (Cl. 250—27.5)



1. In combination, a thermionic tube envelope having an inwardly projecting stem, a single pair of current supply leads sealed through said stem, said leads being bent to form a pair of spaced horizontal extensions and again bent downwardly to form spaced adjacent elbows, and still again bent each lead to pass under the other, and finally rising to terminate in the plane of said extensions, and a plurality of electron emitting filaments bridging said leads and connected thereto in the plane of said extensions.

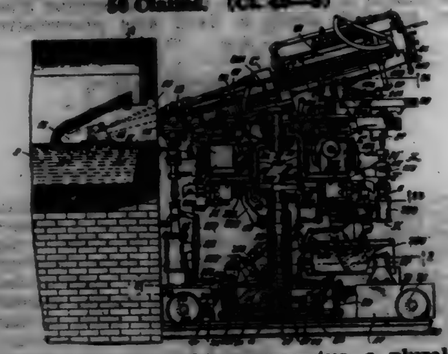
2,030,327
WATERINSOLUBLE AZODYESTUFFS
Gerhard Schrader, Opladen, near Cologne, and Werner Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Original application September 8, 1933, Serial No. 688,660. Divided and this application August 4, 1934, Serial No. 738,562. In Germany September 9, 1932
8 Claims. (Cl. 260—44.2)

1. Waterinsoluble azodyestuffs of the general formula:



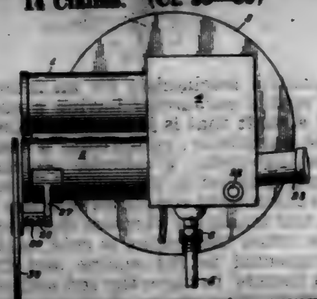
wherein T stands for the radical of a thiazole compound, ac stands for an acyl radical and R stands for the radical of a diazotized primary amine suitable for producing azodyestuffs, yielding, when produced on the fibre, generally yellow shades of good fastness properties.

2,030,328
GLASS-WORKING APPARATUS
Harold E. Schantz, Ottawa Hills, Ohio, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application July 11, 1933, Serial No. 681,854
50 Claims. (Cl. 49—5)



1. In a glass working apparatus, a plurality of glass treating mechanisms each positioned at a separate station, a plurality of similar independently movable glass forming mechanisms, and means for moving each forming mechanism independently to each station in properly timed relation to the movements of the other forming mechanisms so that only one of the forming mechanisms will be at any one station at any one time.

2,030,329
APPARATUS FOR COMPARING COLORS
James E. Simons, San Francisco, Calif.
Application September 22, 1934, Serial No. 745,074
14 Claims. (Cl. 35—59)

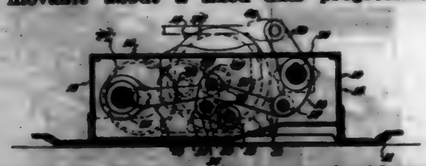


1. A color comparing apparatus comprising a sight tube adapted to be directed at an object, a rotary drum mounted alongside of the tube and having a series of colors arranged on the inner periphery thereof and adapted to bring any one of the colors in side by side relation to the tube, an enclosure for the drum secured to the tube, a light chamber adjacent the drum enclosure and adjacent the tube and having means for illuminating the object and the color thus positioned, and a light passage leading from said color to the rear of the tube.

2,030,330
DRIVE MECHANISM FOR SHAKER CONVEYERS
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 16, 1933, Serial No. 685,427
Renewed June 27, 1935
10 Claims. (Cl. 74—26)

1. In a shaker conveyer drive, a motor, a reciprocable driven member, and means for trans-

posing the rotary motion of said motor into rectilinear motion having predetermined changes in acceleration during various parts of the stroke comprising a crank, a connecting rod connected thereto a rocking member movable about a fixed axis spaced longitudinally from the axis of pivotal movement of said crank, a second rocking member movable about a fixed axis progressively



spaced longitudinally from the axis of said crank and first-mentioned rocking member, a connection from said second rocking member to said reciprocable driven member and means for connecting said connecting rod with each of said rocking members comprising a single member having pivotal connection with each of said members.

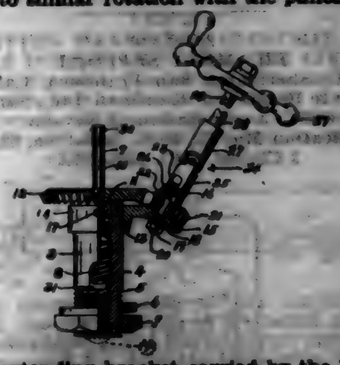
2,030,231
CARBURETOR
Stuyvesant C. Smith, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 25, 1932, Serial No. 653,500
9 Claims. (Cl. 123—119)



1. A control mechanism for an internal combustion engine carburetor having a choke valve fixed on a shaft that is journaled in and projects from the carburetor, comprising a casing fixed upon the carburetor, a cylinder projecting from the casing, a piston in the cylinder, a rod on the piston, a thermostat connected between the shaft and rod and tensioned to rotate the shaft to close the valve when the engine is cold, said cylinder being connected to the engine and the piston actuated thereby to move the rod and reduce the tension of the thermostat when the engine fires, a stove on a heated portion of the engine, a duct connecting the stove to the casing to conduct heat thereto, and a valve floating on said shaft and connected to the thermostat and moved thereby to block said duct and regulate the amount of heat admitted to the casing.

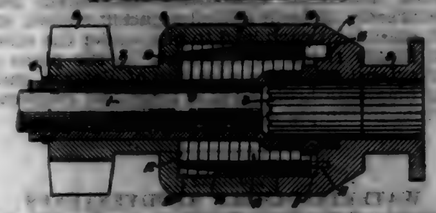
2,030,232
VALVE
John E. Spear, Helena, Okla., assignor of one-third to George Maypole and one-third to Emerson Werner, both of Helena, Okla.
Application October 6, 1934, Serial No. 747,127
3 Claims. (Cl. 137—34)

1. A drain valve for vehicle crank-cases, embodying an interiorly and exteriorly threaded tubular valve housing having lateral inlet ports for admitting liquid, the exterior threads of said housing adapted to engage a drain hole in the bottom of a crank-case, a solid cylindrical core threadedly engaged within the housing and adapted to open and close the inlets, a pinion journaled in the upper end of the housing, an axial stem carried by the core passing through the pinion and having a splined connection therewith whereby the stem is permitted longitudinal movement independently of the pinion but is forced to similar rotation with the pinion, a lat-



erally extending bracket carried by the housing, a second pinion carried by the bracket and in mesh with the first pinion, a shaft for rotating the second pinion, a swivel joint carried by the shaft, and a second shaft connected to the joint and adapted to pass through the top of the crank-case.

2,030,233
CLUTCH SPRING
William C. Starkey, Indianapolis, Ind., assignor, by mesne assignments, to William C. Starkey, Indianapolis, Ind., Raymond S. Pruitt and Walter H. Beal, Chicago, Ill., trustees
Original application January 7, 1931, Serial No. 507,462. Divided and this application March 21, 1933, Serial No. 661,125
16 Claims. (Cl. 192—107)



9. A clutch spring embodying therein a plurality of coils made of stock of the same cross sectional area, said spring having a ground cylindrical gripping surface, certain of the coils having axially extending gradient grooves in said gripping surface to make said certain coils more flexible than the other coils of the spring.

2,030,234
APPARATUS FOR THE PRODUCTION OF COKE AND GAS IN HORIZONTAL CHAMBER OVENS
Carl Still, Recklinghausen, Germany
Application June 12, 1931, Serial No. 543,969
In Germany June 19, 1930
2 Claims. (Cl. 202—257)

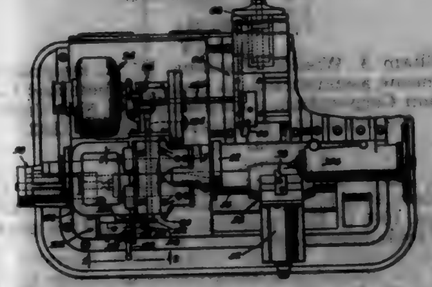
2. The combination of an oven having a horizontal chamber for the destructive distillation of coal including a roof having spaced passages in the central longitudinal plane of the chamber passing substantially vertically through said roof, and a mechanism for forming ducts in a charge within the oven comprising a frame at each end of said oven extending above the roof thereof,

a track supported on the upper extremity of said frame and disposed transversely to the longitudinal axis of said oven, a carriage adapted to move along said tracks, elongated duct forming tools adapted to pass through said passages, winding drums on said carriage adapted to be



positioned over said passages, cables attached to the upper end of said tools and to said drums, means for simultaneously rotating said drums for moving said tools vertically into and out of said chamber through said passages for the purpose of forming ducts within a body of coal charged into said chamber.

2,030,235
MATERIAL WORKING APPARATUS
Ernest J. Svenson, Rockford, Ill.
Application May 15, 1931, Serial No. 537,647
43 Claims. (Cl. 92—2)

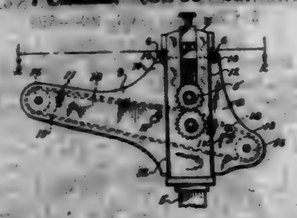


1. In a hydraulic actuator system for propelling machine parts and the like, a hydraulic actuator including a piston within a cylinder, fluid propelling mechanism for imparting movement to said actuator, means for driving said fluid propelling mechanism, shiftable normally balanced valve means for controlling the functioning of said actuator, and means responsive to increases in pressure within said actuator for controlling the movement of said shiftable valve means.

2,030,236
PHOTOGRAPHIC DEVELOPER
Heinrich Ulrich and Karl Saurwein, Ludwigshafen-on-the-Rhein, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
No Drawing. Application December 22, 1932, Serial No. 648,672. In Germany December 24, 1932
7 Claims. (Cl. 95—88)

1. A photographic developer comprising a developing agent and a weak acid salt of a hydroxyalkylamine.

2,030,237
CLOTHES WRINGER
George Wales, Tyner, Saskatchewan, Canada
Application March 24, 1933, Serial No. 662,554
In Canada March 24, 1932
7 Claims. (Cl. 68—32)



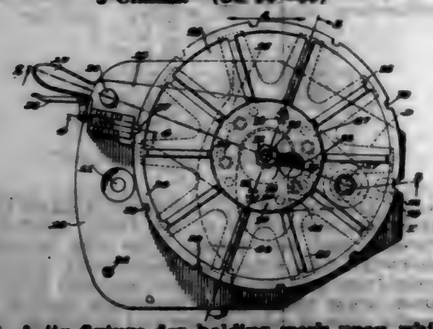
1. In combination with a wringer, a safety feed attachment comprising a feed frame extending forwardly and downwardly from said wringer; a delivery frame extending backwardly and upwardly from said wringer, said feed and delivery frames being individually removably applied to opposite sides of said wringer and an endless belt running around said frames.

2,030,238
STROPPER
William E. Watts and Jesse W. Lowry, McCammon, Idaho
Application November 11, 1933, Serial No. 697,650
1 Claim. (Cl. 51—153)



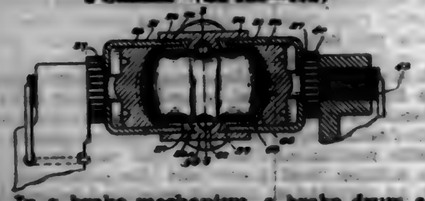
A stropper of the class described comprising a base having flanges at its ends and rounded ribs adjacent its side edges, a bar having its ends connected with the flanges and extending across the middle portion of the base and paralleling the ribs, a strop passing over the ribs and under the bar, an inverted U-shaped member connected to one end of the base and having an outwardly bowed bight, the under edge of which is toothed, a carrier bar having its central portion pivoted to the upper face of the base, the flanges having slots therein through which the ends of the carrier bar pass, the ends of said carrier bar being upturned, a shaft having its ends journaled in said upturned ends, a pinion attached to one end of the shaft and meshing with the teeth of the U-shaped member, a T-shaped bar slidably supported on the under face of the base, the stem of said T-shaped bar being connected with the carrier bar, whereby sliding movement of the T-shaped bar will impart a rocking movement to the carrier bar, and a handle depending from the T-shaped bar, and a blade carrier having one edge connected with the shaft.

2,030,339
JIG
William A. Weightman, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 15, 1932, Serial No. 616,879
5 Claims. (Cl. 90—59)



1. A jig fixture for holding work upon which machine operations are to be performed by the same tool through relative reciprocation of the work and the tool upon parts of the work disposed at an angle to each other, comprising a base, an oscillatable member pivoted on an axis at right angles to the base, a work holder fixed to said oscillating member for angular movement with respect thereto about an axis located at one side of the pivotal axis of said oscillating member, means to support the work from the work holder in a position in which the line connecting the pivot of said member and the axis of movement of said work holder substantially bi-sects the angle between the parts of the work to be operated upon, and means defining two positions of said oscillable member spaced apart angularly about the pivot of said member by an angle equal to the said angle between the parts of the work to be operated upon.

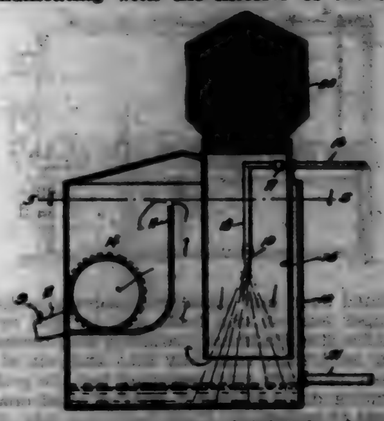
2,030,340
HYDRAULIC BRAKE SYSTEM
John William White, Buffalo, N. Y., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application November 8, 1928, Serial No. 317,933
3 Claims. (Cl. 188—152)



1. In a brake mechanism, a brake drum and cooperating means together forming an enclosure, brake friction means therein, an hydraulic actuator for said brake friction means, an adjustment means between said hydraulic actuator and brake friction means including a revoluble member peripherally notched to be engageable with and operable by a screw driver or like tool, said enclosure being apertured for the insertion of said tool.

2,030,341
AIR WASHER
Edward K. Wills and James H. McElhannon, Corpus Christi, Tex.
Application May 26, 1935, Serial No. 23,220
1 Claim. (Cl. 261—116)

An air washer for engine comprising a casing, a transverse vertical partition dividing substantially intermediately across diameter of the casing, a horizontal partition in the casing with which the vertical partition merges to define a chamber, said vertical partition terminating adjacent to the top of the casing, a discharge pipe communicating with the interior of the casing



at the chamber, a narrow inlet tube depending into the casing from the top thereof, said tube being provided with an air filter at the top thereof, the upper portion of the tube projecting above the top of the casing, a fluid conduit extending into the tube at the portion above the top of the casing, and a downwardly disposed nozzle at the inner end of the conduit.

2,030,342
ALLOY
William A. Wissler, Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application July 15, 1933, Serial No. 680,661
7 Claims. (Cl. 75—1)

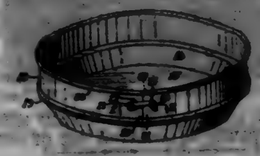
1. Alloy comprising substantially 1% to 4% carbon, 10% to 35% chromium, 1.5% to 6% vanadium, 10% to 30% tungsten, 0.10% to 2.5% boron, the remainder cobalt.

2,030,343
ALLOYS
William A. Wissler, Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Original application July 15, 1933, Serial No. 680,661. Divided and this application May 14, 1935, Serial No. 21,824
6 Claims. (Cl. 75—1)

1. Alloy having a composition within the limits: 1% to 4% carbon, 10% to 35% chromium, 10% to 30% metal of the group consisting of tungsten and molybdenum, 1.5% to 6% vanadium, the remainder cobalt except for insignificant quantities of impurities normally associated therewith.

2,030,344
PREPAN
Maude M. Young, Portland, Oreg.
Application February 27, 1934, Serial No. 713,169
1 Claim. (Cl. 53—8)

A rim for use with pie pans having outwardly turned upper edges, said rim consisting of a split cylindrical body of less diameter than is the outside diameter of the pie pan, the pan engaging edge of said body having a bead formed around same and extending outwardly therefrom and with its innermost face concave to receive the outwardly turned rim of said pie pan, the opposite edge of said body having a wire bead around same, one end of which forms a dowel pin for holding the ends of the edge in alignment and means for urging the split edges of said cylindrical body into an overlapping relationship.

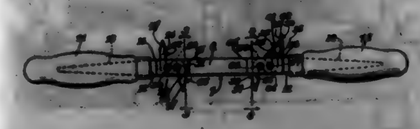


2,030,345
VALVE ACTUATING MECHANISM
Victor E. Kabelitzke, New York, N. Y.
Application January 17, 1935, Serial No. 2,135
12 Claims. (Cl. 123—90)



8. An operating mechanism for the valve of an internal combustion engine, comprising, a spring seated valve, a rocker arm having one end in contact with the valve, a push rod engaging the other end of the rocker arm, a cam for reciprocating said push rod, the ends of the push rod and the rocker arm having sliding contact for permitting a predetermined amount of lost motion in the operating parts, and a device incorporated in said parts of the valve mechanism for laterally displacing said push rod.

2,030,346
PUNCHING DEVICE
Marie Ahlemius, Chicago, Ill., assignor of one-third to Maurice H. Herman, Chicago, Ill.
Application April 17, 1935, Serial No. 16,878
9 Claims. (Cl. 164—119)



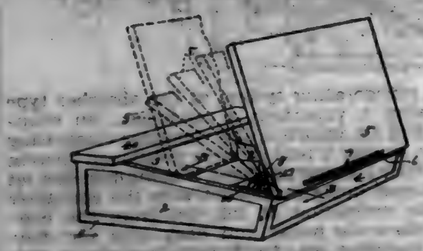
1. A punching device for the purpose set forth comprising a carrier formed with a pair of spaced parallel open top and bottom chambers, an S-shaped body anchored in each of said chambers, and a pair of oppositely disposed punches extending from the ends of each of said bodies.

2,030,347
TOY AEROPLANE
William Edward Beck, Oulton Broad, England
Application June 11, 1935, Serial No. 26,059
In Great Britain June 16, 1934
5 Claims. (Cl. 46—76)



1. A toy glider devoid of self contained mechanical power comprising a body, a longitudinal support carried by said body on each side thereof, at least one wing, elastic attachment means which pass through apertures in each wing and corresponding registering apertures in the glider body and camber and angle of incidence varying means in conjunction with at least one wing whereby the camber and angle of incidence of each wing can be adjusted, the pivotal attachment of said wings to said supports allowing the wing to rotate or pivot on the support to absorb shock without breakage should one side of a wing strike any heavy object.

2,030,348
DESK
Glenn J. Barrett, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application May 27, 1935, Serial No. 23,633
11 Claims. (Cl. 45—91)

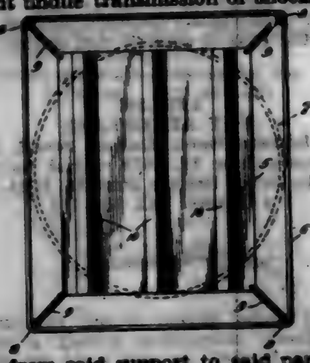


1. In a desk: a top box provided with a swingable cover; a slide bearing extending rearwardly-forwardly of the box; a hinge for mounting the cover comprising a hinge member fastened to the cover and a hinge member carried slidably on the slide bearing; a pawl pivoted on the second-mentioned member adapted to engage the slide bearing to hold the cover in slid position; a pawl pivoted on the second-mentioned member adapted to engage the first-mentioned member to hold the cover in raised position.

2,030,349
BAKING PAN SUPPORTING RACK
Thomas B. Bradley, Du Bois, Pa.
Application October 21, 1933, Serial No. 694,846
3 Claims. (Cl. 53—5)

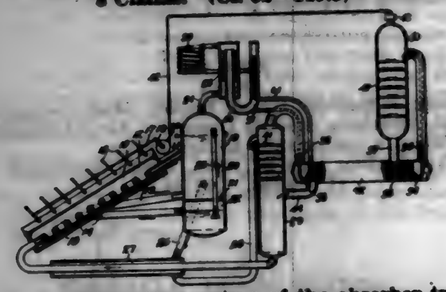
1. A supporting rack for baking pans including a support of a size to be received in the oven of a cooking stove and adapted to rest upon the bottom or shelf of the oven, a pan sustaining member, and yieldable means mounting said pan sustaining member on said support, said mount-

ing means being so highly and freely yieldable as to prevent undue transmission of shocks and vi-



brations from said support to said pan sustaining member.

2,030,354
SOLAR OPERATED REFRIGERATING SYSTEM
Albert T. Brosser, Westmont, N. J., assignor of fifty-two per cent to Carl G. Fisher, Miami Beach, Fla.
Application April 10, 1933, Serial No. 665,461
8 Claims. (Cl. 62—119.5)



4. A refrigerating system of the absorber type comprising a vaporizer, a condenser, an evaporator and an absorber, the vaporizer comprising a boiler having a pair of coils positioned therein and having a rising gradient, a container, one set of said coils being connected with the container to cause circulation of solution from the container thru the boiler and back into the container, the other set of coils being connected with the absorber and with the container to cause circulation of solution from the absorber thru the boiler and back into the container, the said last named coils supplying a relatively strong solution to the container as well as serving to boil off vapor from the solution.

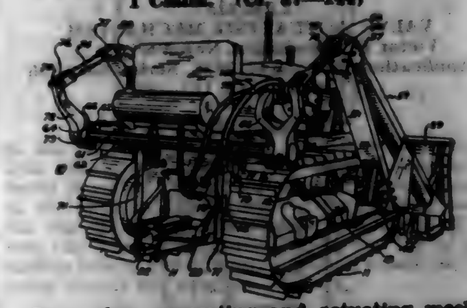
2,030,351
METHOD OF APPLYING PROTECTIVE COLORING IN THE PRINTING OF DOCUMENTS REPRESENTING VALUE
Sydney George Clifford, London, England, assignor to Waterlow & Sons Limited, London, England, a British company
Application October 11, 1933, Serial No. 693,179
In Great Britain October 31, 1932
8 Claims. (Cl. 101—311)

4. In the process of printing a multicolor background design upon commercial paper, the method of producing a background design in continuously variegated colors which comprises printing each of a plurality of partial designs in a set of bands of distinctive colors separated by merging bands of the adjacent distinctive colors, the set



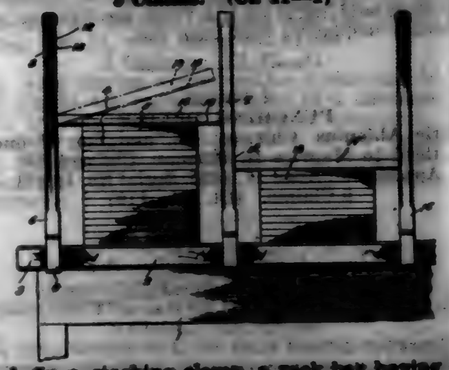
of color bands of one partial design extending at a substantial angle to another set of color bands.

2,030,352
EARTH MOVING DEVICE
Roy E. Cheeste and Waldo E. Keller, Cedar Rapids, Iowa, assignors to La Plant-Cheeste Manufacturing Company, Inc., Cedar Rapids, Iowa, a corporation of Delaware
Application May 9, 1933, Serial No. 670,194
1 Claim. (Cl. 37—144)



In a plow supporting and actuating mechanism including a tractor, a beam extending across the rear of the tractor and secured to the transmission case thereof, the beam projecting beyond the sides of the transmission case to either side of the tractor, a running board secured to the side of the crank case and to the beam to thus afford a platform, a cross shaft mounted for rotation on the beam and the beam having suitable bearings for so mounting the cross shaft, a hydraulic jack pivotally mounted on the platform formed by the running board, crank arms on the end of the cross shaft, the ram of the hydraulic jack being pivotally connected to one of said crank arms.

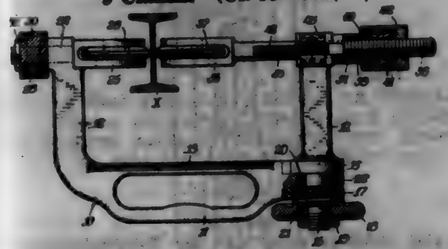
2,030,353
PAPER STACKING CLAMP
George H. Cole, Lakeland, Fla.
Application August 22, 1934, Serial No. 741,021
Renewed July 13, 1935
5 Claims. (Cl. 11—1)



1. In a stacking clamp, a rack bar having an L-shaped lower portion, the free end of which is

substantially perpendicular to said rack bar, and an integral angular off-set between said rack bar and L-shaped portion extending over and shorter than said free end, so that a plane embracing said rack bar intersects said free end at an intermediate point.

2,030,354
VERNIER GAUGE
Frank Cacuba, Duluth, Minn., assignor to American Steel & Wire Company, Chicago, Ill., a corporation of New Jersey
Application June 27, 1931, Serial No. 547,324
9 Claims. (Cl. 33—143)



1. A measuring instrument comprising a frame, one end of said frame receiving a caliper member, an arm journalled in the other end of the frame, a caliper member mounted for reciprocation in said arm, a handle wheel having a hub portion fixedly secured to the arm for rotating the same, and a coil spring encircling the arm and enclosed in the hub portion, said spring being secured at one end to the frame and at the other end to the wheel to yieldingly hold the arm in normal position with its caliper member directed toward the other member on the frame.

2,030,355
AZODYESTUFFS AND THEIR PRODUCTION
Detlef Delfs, Leverkusen-I. G.-Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 28, 1934, Serial No. 737,477. In Germany August 18, 1933
8 Claims. (Cl. 260—54.5)

7. Azodyestuffs of the general formula:



wherein R stands for the radical of a diazotization component and R^1 stands for the radical of an aromatic coupling component.

2,030,356
COLLECTION BOX
Joseph W. Dibb, Milwaukee, Wis.
Application January 14, 1935, Serial No. 1,479
9 Claims. (Cl. 229—8)

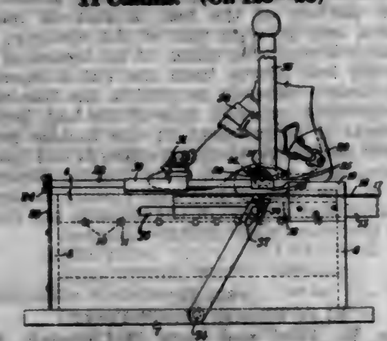


1. A collection box of cross shape formed of a folded blank and having a main, substantially rectangular tubular body portion adapted to receive coins and provided with vertical walls and a horizontal top wall having a coin receiving slit therein, and having a laterally projecting portion folded around said main body portion and constituting the horizontal arms of the cross.

2,030,357
PROCESS OF REMOVING TIN FROM COLUMBIUM ALLOYS
Ernest F. Doom, Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application March 21, 1934, Serial No. 716,651
1 Claim. (Cl. 75—13)

1. The process of removing tin from columbium alloys which comprises introducing silicon into said alloys in an amount at least equivalent to that required to provide a ratio of silicon to columbium satisfying the formula Cb_3Si, and treating said alloys with aqueous hydrochloric acid.

2,030,358
APPARATUS FOR TREATING FEET
Harold J. Derrance, Pittsburgh, Pa.
Application February 16, 1933, Serial No. 657,014
Renewed November 12, 1934
11 Claims. (Cl. 128—35)



1. In a device for treating human feet, the combination with a rollable elastic member and a reciprocable support for said member, of means for securing a foot in position above said member in such manner that said member is compressed by contact with a portion of the bottom of the so-called longitudinal arch of the foot and means for reciprocating said member-support whereby said member is caused to roll back and forth in contact with said arch.

2,030,359
HAND BAGGAGE
Leonard H. Dyer, New York, N. Y.
Application January 6, 1934, Serial No. 705,488
2 Claims. (Cl. 190—55)



1. Hand baggage, having a flexible bag, an opening therein, said opening extending across the greater portion of the bag, a pair of handle members, one on each side of the opening, and

extending beyond the edges of the opening, but occupying less length than the entire opening, a single slide closure fastener, secured to the edges of the opening, on each side of the bag, beyond the points of attachment of the handle members, and also to the abutting edges of the handle members, a pair of rigid closure members, one on each edge of the opening, and inside of the handle members, so that the bag may be closed, and the handle members secured together, by means of the single closure fastener.

2,030,359
HAND BAGGAGE
Leonard H. Dyer, New York, N. Y.
Application June 27, 1934, Serial No. 732,616
1 Claim. (Cl. 190—55)



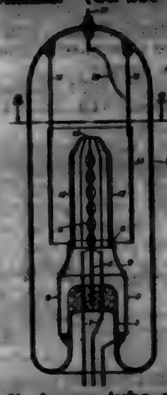
Hand baggage, having a flexible bag, an opening therein, said opening extending across the greater portion of the bag, a pair of handle members, one on each side of the opening, and extending beyond the edges of the opening, but occupying less length than the entire opening, a slide closure fastener, secured to the free edges of the opening, on each side of the bag, beyond the points of attachment of the handle members, and also to the abutting edges of the handle members, and a second slide closure fastener, inside of the first mentioned closure fastener, for closing that portion of the opening not closed by the first mentioned closure fastener.

2,030,361
ELECTRODE MOUNTING
William W. Eitel and Jack McCullough, San Bruno, Calif., assignors to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application August 15, 1933, Serial No. 685,284
3 Claims. (Cl. 250—27.5)



1. In combination, an envelope having a hemispherical end and cylindrical side walls, an anode having spaced circumferentially attached leads extended from one end of said anode only, said leads being separately sealed to said hemispherical end, and a cylindrical grid concentrically positioned within said anode having spaced leads circumferentially attached to the other end only of said grid, said latter leads being extended laterally and separately sealed to said side walls below the level of said anode.

2,030,362
SPACE DISCHARGE DEVICE
William W. Eitel and Jack McCullough, San Bruno, Calif., assignors to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application November 7, 1933, Serial No. 696,974
5 Claims. (Cl. 250—27.5)



1. A space discharge tube comprising an envelope having a reentrant stem, a concentric anode, cathode and control electrode contained therein and mounted to have axes common with that of said stem, and support means for said control electrode consisting solely of a plurality of spaced conductive risers separately fused directly to the side wall of said stem.

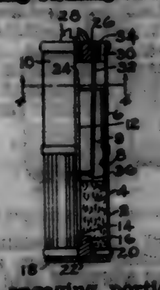
2,030,363
TAG FASTENER
Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application March 7, 1934, Serial No. 714,433
2 Claims. (Cl. 40—24)



1. A tag fastener formed of a single piece of wire, the mid portion of which is bent upon itself to form two arms, said arms crossing each other to form a loop, said arms having extensions, the extension of one arm being bent into a hook and the extension of the other arm being formed into a closed elongated loop to retain and guard said hook and to receive and guide said one arm, the end portion of said hook yieldingly abutting one end of said elongated loop, the other end of said elongated loop forming a stop for said one arm to limit the opening movement of said hook, said extensions forming with each other another loop when in abutting relation.

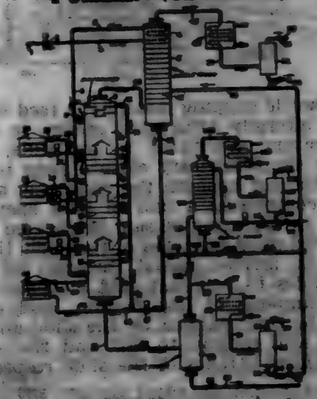
2,030,364
CIGARETTE LIGHTER
Irving Fiorman, New York, N. Y.
Application June 21, 1934, Serial No. 731,769
11 Claims. (Cl. 67—7.1)

1. A cigarette lighter comprising two sections including a body portion and a cover movable with respect thereto, a wick element within said body and cover, and means within said body and cover operable, by relative movement between said sections to ignite the wick, said igniting means comprising striking means having a plu-



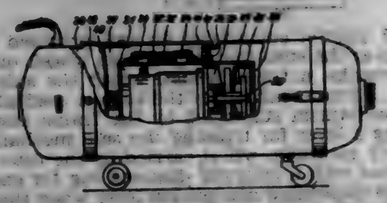
rality of flint engaging portions, an elongated flint element extending between said portions, said portions resiliently engaging the opposite sides of the said flint element simultaneously.

2,030,385
TREATMENT OF HYDROCARBON OIL
Wright W. Gary, Great Neck, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware
Application February 1, 1933, Serial No. 654,569
4 Claims. (Cl. 196—49)



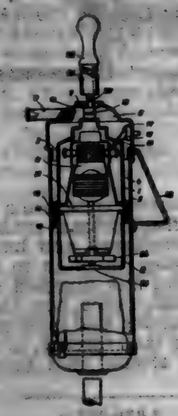
4. The process of treating hydrocarbon oil which comprises discharging preheated relatively heavy oil into a first separating zone wherein vapors separate from liquid residue, removing said vapors and forming a desired distillate therefrom, removing liquid residue from said first separating zone and passing it through a cracking zone wherein it is raised to a cracking temperature and subjected to conversion, introducing resulting hot products of conversion into a second separating zone wherein vapors separate from liquid residue, passing vapors from said second separating zone into said first separating zone, while excluding said vapors from said cracking zone, removing liquid residue from said second separating zone, passing it through a second cracking zone, in a stream of restricted cross-sectional area, wherein it is raised to a cracking temperature and subjected to conversion, introducing hot products of conversion into a third separating zone wherein vapors separate from liquid residue, passing vapors from said third separating zone into said second separating zone, while excluding said vapors from said second cracking zone, removing liquid residue from said third separating zone and introducing it into a flashing zone under reduced pressure to cause additional vaporization thereof, fractionating resulting vapors to form a clean condensate charging stock, passing said clean condensate charging stock through a third cracking zone wherein it is raised to a vapor phase cracking temperature and subjected to conversion, separating resulting hot products into vapors and a liquid residue in a fourth separating zone and passing vapors from said fourth separating zone into said third separating zone.

2,030,386
ELECTRIC VACUUM CLEANER
Otto Grave, Berlin, Germany
Application October 26, 1934, Serial No. 750,140
In Germany November 4, 1933
2 Claims. (Cl. 230—232)



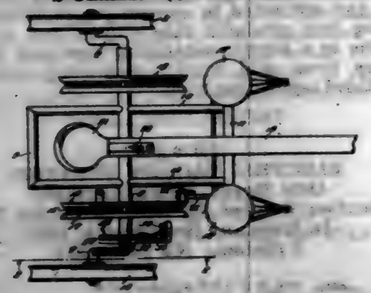
1. In an electric vacuum cleaner, a casing, a housing, a motor located within said housing, two rubber rings supporting said motor from the casing, fans driven by the motor producing a vacuum, an S-shaped ring holding said rubber rings in place, said rubber rings minimizing the motor noise, an air jacket surrounding said housing, orifices in the housing for the admission of air propelled by the fans to said jacket and a lining of fabric to said air jacket for lessening the noise of entering air.

2,030,387
ELECTRIC VACUUM CLEANER
Otto Grave, Berlin, Germany
Application October 26, 1934, Serial No. 750,141
In Germany December 11, 1933
3 Claims. (Cl. 230—232)



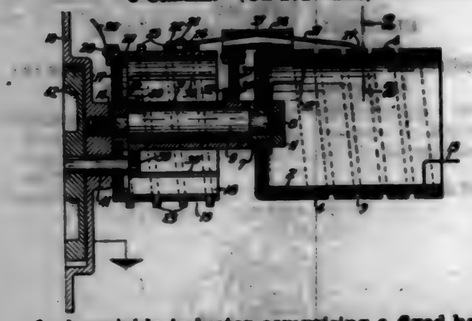
1. In an electric vacuum cleaner, in combination an outer housing, an inner housing located within said outer housing, an elastic ring supporting said inner housing, means supporting said elastic ring, an elastic buffer cushioning the end of said inner housing, a motor supported in the inner housing, a ring supporting said motor and a fan driven by said motor.

2,030,268
WIRELESS CORN PLANTER
Wilber A. Harrison, Danville, Ill.
Application August 19, 1935, Serial No. 36,916
2 Claims. (Cl. 111—23)



1. A planter comprising an axle provided with cranks at the ends thereof, traction wheels on the said cranks, a tube through which the axle extends, a frame carried by the tube, a seed planting mechanism supported by the frame and including a lever for tripping the said mechanism, a freely rotatable wheel carried by the tube and provided with a laterally disposed lug for engaging the dispensing mechanism lever when the last mentioned wheel is in ground engaging position, means whereby the said axle can be swung so as to lower the tube and the wheel thereon so that the said last mentioned wheel will engage the ground and rotate coincidentally with the rotation of the traction wheel.

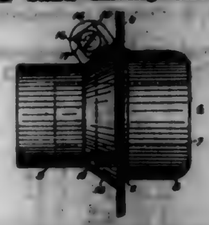
2,030,269
VARIABLE INDUCTOR
Ralph M. Heintz, Palo Alto, Calif., assignor to Heintz & Kaufmann, Ltd., San Francisco, Calif., a corporation of Nevada
Application April 17, 1934, Serial No. 720,938
6 Claims. (Cl. 171—242)



1. A variable inductor comprising a fixed helical inductance, a fixed coaxial guide spaced axially from said inductance and having threads thereon corresponding in pitch to the turns of said helix, a contact link disposed parallel with the axes of the inductance and the guide and having one end touching said inductance and the other end entering said threads, and means for rotating said link around said inductance and guide.

2,030,270
BUSHING ASSEMBLY
Joseph B. Hedtum, Bellevue, Pa., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application September 17, 1931, Serial No. 563,519
10 Claims. (Cl. 173—311)

1. In combination, a supporting element having a hole therein, an insulating member having an annularly grooved shank portion extending through said hole and having a head portion adjacent one side of said supporting element, a frusto-conical band having one edge in said



groove and another edge engaging the opposite side of said supporting member, and means for increasing the axial width of said frusto-conical band so as to bias the head portion of said insulating member toward said supporting element.

2,030,271
BOTTLE CAPPING AND CLOSING MACHINE
Jacob J. Dilan, Chicago, Ill.
Application December 27, 1933, Serial No. 704,169
5 Claims. (Cl. 226—92)



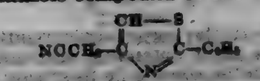
2. In a bottle capping machine, a feed slide for the caps, laterally bifurcated means to impart a reciprocatory movement to the slide, and a feed for a supplementary closure strip to bring a section thereof beneath the cap being applied, said feed comprising a pair of bars operatively connected to the arms of said bifurcated means and mounted upon the sides of the slide, the bars having slots, screws passed through the latter into the slides to transmit said movement with a limited amount of lost motion, and a push plate for the strip carried by the slide and controlled by said motion to fall and rise on the feed and return strokes of the slide respectively.

2,030,272
PROCESS FOR THE PRODUCTION OF PRACTICALLY IRON-FREE COMPOUNDS OF THE EARTH METALS, ALKALINE EARTH METALS, RARE EARTH METALS, EARTH ACIDS, OR THE LIKE
Gustav Jaeger, Neu-Isenburg, Germany, assignor to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application November 8, 1934, Serial No. 751,670. In Germany November 8, 1933
12 Claims. (Cl. 23—23)

1. A process for the removal of iron from iron-containing raw materials, said process comprising the steps of reducing the valence of the iron, treating with a cyanide, adding water, separating any insoluble matter which may be present at this point, and adding an alkaline reagent to precipitate as hydroxides all cations in the raw material which have the property of forming insoluble hydroxides in the presence of alkaline cyanide, said iron in combination with said cyanide forming a complex water soluble ferrocyanide and removing the insoluble hydroxides.

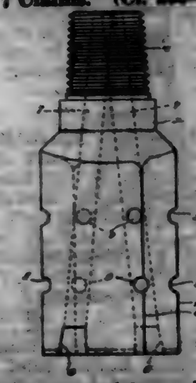
2,030,273
DERIVATIVES OF THIAZOLE AND PROCESS OF PREPARING THE SAME
Treat B. Johnson, Bethany, Conn., assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 18, 1932, Serial No. 629,197
2 Claims. (Cl. 260—44)

1. The thiazole compound of the formula:



said compound boiling at 180–185° C. at 4–5 mm.

2,030,274
DRILL BIT
Herman Louis Kless, Houston, Tex.
Application May 22, 1933, Serial No. 672,231
Renewed August 21, 1935
7 Claims. (Cl. 255—61)



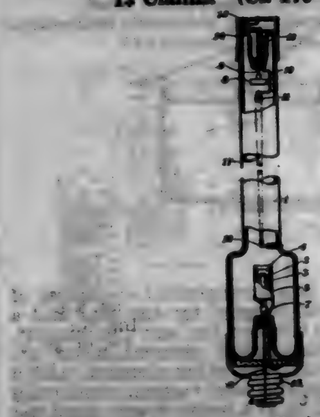
1. A drill bit comprising a body having fluid passages therein communicating with the lower end of the bit and extending to the trailing faces of said bit on opposite sides of its longitudinal axis, and reaming cutters on the vertical edges of the body, each cutter having a concaved front face and a rearwardly and inwardly sloping outer edge, portions of the passages opening out through the trailing faces of said cutters.

2,030,275
COMBINED DEVICE OF A SHIP'S PROPELLER ENCLOSED BY A NOZZLE
Ludwig Kort, Hanover, Germany
Application September 7, 1933, Serial No. 688,985
In Germany July 25, 1933
13 Claims. (Cl. 115—42)



1. Propelling device on screw-propelled ships comprising in combination a screw propeller, and a tubular shaped nozzle around the propeller arranged longitudinally of the propeller shaft, said nozzle being fitted to the hull, surrounding near its narrowest inner cross section closely the propeller circle, and widening out quickly in front of the propeller to an entrance opening, the size of which is substantially larger than that of the exit opening aft of the propeller, the body of the nozzle having a shape substantially such that the distance from the shaft to the exterior surface of the nozzle decreases from forward to aft and having a well rounded entering edge at the mouth of the nozzle forming the connection between the inside and outside surfaces of the nozzle body.

2,030,276
GASEOUS ELECTRIC DISCHARGE DEVICE
Carl E. Kenty, Jersey City, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey
Application April 25, 1932, Serial No. 607,445
13 Claims. (Cl. 176—124)



1. An electric gaseous discharge device comprising a sealed envelope containing a gaseous atmosphere, a cathode and another main electrode sealed into said envelope, and a resistance wire constituting an auxiliary anode electrically connected to the latter electrode and extending within said envelope from a point near said electrode to a point near said cathode, the resistance of said wire per unit distance along the arc path between said cathode and the other electrode progressively increasing in the direction of said cathode.

2,030,277
IRRADIATION OF VITAMIN D AND PRODUCT THEREOF
Otto Linsert, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application October 30, 1933, Serial No. 695,959. In Germany November 5, 1932
6 Claims. (Cl. 260—183)

1. The product of the formula $C_{28}H_{44}O$ having the specific rotatory power

$$[\alpha]_D^{20} -16°$$

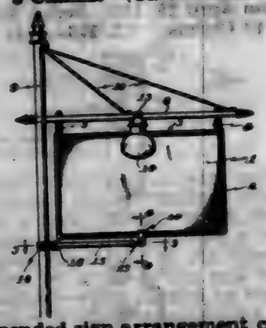
in a 1% chloroform solution, which product is a stereoisomer of ergosterol and forms a white powder which melts at about 50° C. and is insoluble in water but soluble in organic solvents and forms a well crystalline ester with meta-dinitrobenzoic acid melting at 138° C. and having a specific rotatory power

$$[\alpha]_D^{20} +33°$$

in a 1% acetone solution, said product being characterised by its increasing action on the level of the blood calcium but is practically antirachitically inactive, and being obtainable by ultra violet irradiation of highly purified vitamin D which is the antirachitically active irradiation product of

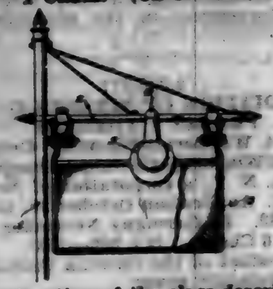
ergosterol, transformation of the irradiation product obtained into its 3.5-dinitro-benzoic acid ester, separating the crystal fraction first formed and saponifying the said ester by means of alkali.

2,030,375
SWING CHECK FOR SIGNS
Frederick A. Lippold, Chicago, Ill., assignor to Reliance Advertising Co., Chicago, Ill., a corporation of Delaware
Application July 31, 1935, Serial No. 33,987
3 Claims. (Cl. 40—128)



1. A suspended sign arrangement consisting of a sign, a horizontal support for the sign and a pivotal connection between the sign and support, said horizontal supporting element being attached to a vertical supporting element, and a swing check connecting said vertical supporting element with the sign at a point remote from the pivotal connection, said swing check including a relatively reciprocating tube and plunger.

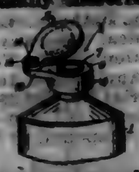
2,030,379
SUSPENSION MEANS FOR SWING SIGNS
Frederick A. Lippold, Chicago, Ill., assignor to Reliance Advertising Co., Chicago, Ill., a corporation of Delaware
Application July 31, 1935, Serial No. 33,996
1 Claim. (Cl. 40—128)



In a construction of the class described, a horizontal support, a sign frame, a suspending means for the sign frame, said suspending means comprising a rigid attachment to the support and including a bearing for the sign frame and stops for limiting motion of the sign frame around said bearing, said sign frame having shoulders for engagement with said stop elements, a pivot passing through said sign frame and suspension means, and a coil spring surrounding said pivot and having its ends respectively in engagement with the suspension means and the sign frame.

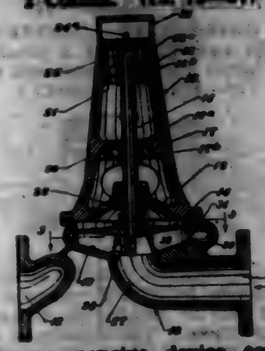
2,030,386
CLOSURE CAP
Solomon A. Love, Decatur, Ga.
Application October 19, 1933, Serial No. 694,312
6 Claims. (Cl. 220—44)

1. The combination with the neck of a container, of a closure therefor comprising: a collar detachably connected to said neck, a lug extending radially from said collar, a closure cap having a lug extending radially therefrom, said lugs be-



ing inclined at the same angle relative to said collar, and a pivot extending through said lugs at an angle to the common axis of said collar and neck.

2,030,391
APPARATUS FOR METERING FLUIDS
Rudy Lowe, Chicago, Ill., assignor to Proportioneers, Inc., Providence, R. I., a corporation of Rhode Island
Application June 26, 1933, Serial No. 678,538
2 Claims. (Cl. 73—37)



1. A flow responsive device comprising, in combination, a casing having inlet and outlet ports and a rotor chamber, a rotor in said chamber, said casing having an unobstructed passage formed therein centered on the axis of said rotor and having one side opening into said rotor chamber so that one side of said rotor moves along the unobstructed side of the passage, and said passage being closed at one end and connected at its other end to said outlet port and the cross sectional area of said passage being gradually increased from the closed end to the large end thereof which is connected to said outlet port, and said rotor having ducts formed therein each communicating at one end with said inlet opening and at the other end with said passage, said ducts having their leading sides formed with surfaces which are substantially centered on the axis of said rotor so as to direct the fluid from the ducts toward the closed end of said passage.

2,030,523
METHOD OF TREATING PULP
Arno J. Lath, Port Edwards, Richard A. Nugent, Nekoosa, and Neil H. Christian, Port Edwards, Wis., assignors to Nekoosa-Edwards Paper Company, Port Edwards, Wis., a corporation of Wisconsin
No Drawing. Application October 18, 1934, Serial No. 748,521
11 Claims. (Cl. 8—8)

3. The method of obtaining bleached pulp of improved characteristics from pulp prepared by the use of an alkaline cooking liquor containing an active sulfide ingredient, which comprises treating the pulp in a closed vessel under pressure before being exposed to the oxidising influences of

dissolved and atmospheric oxygen with a fresh caustic alkali solution in an amount equivalent to about 2.5 to 15% of NaOH on the air dry weight of the pulp to dissolve phlobotannin color bodies, subjecting the treated pulp after washing to a multi-stage bleaching operation and treating said pulp intermediate successive bleaching steps with an alkaline solution to remove color bodies then present.

2,030,533
METHOD OF TREATING PULP
Arno J. Lath, Port Edwards, Richard A. Nugent, Nekoosa, and Neil H. Christian, Port Edwards, Wis., assignors to Nekoosa-Edwards Paper Company, Port Edwards, Wis., a corporation of Wisconsin
No Drawing. Application October 18, 1934, Serial No. 748,523
7 Claims. (Cl. 92—14)

1. The method of treating pulp which has been cooked with a cooking liquor containing a sulphur compound as an active ingredient thereof, which comprises subjecting the freshly cooked pulp before washing in a closed vessel to the action of a caustic solution of sufficient strength to dissolve color bodies present and then washing the pulp.

2,030,534
METHOD OF BLEACHING PULP
Arno J. Lath, Port Edwards, Richard A. Nugent, Nekoosa, and Neil H. Christian, Port Edwards, Wis., assignors to Nekoosa-Edwards Paper Company, Port Edwards, Wis., a corporation of Wisconsin
No Drawing. Application October 18, 1934, Serial No. 748,522
7 Claims. (Cl. 8—8)

1. The method of obtaining bleached pulp of improved characteristics from pulp prepared by the use of an alkaline cooking liquor containing an active sulphide ingredient, which comprises treating the pulp before it is washed and before it is exposed to the oxidising influences of dissolved and atmospheric oxygen with a caustic alkali solution containing an oxygen liberating alkali metal compound, subjecting the treated pulp after washing to a multi-stage bleaching operation and treating said pulp between successive bleaching steps with a caustic alkali solution also containing an oxygen liberating alkali metal compound.

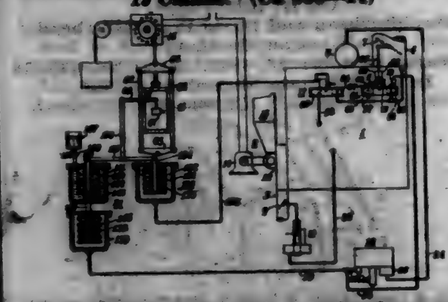
6. In the process of obtaining a bleached sulphate pulp of improved characteristics, the step of subjecting freshly blown pulp before it is exposed to the oxidising influences of dissolved and atmospheric oxygen to the action of an aqueous solution of caustic soda and sodium peroxide, the amount of caustic soda being equivalent to 2.5 to 15% of NaOH on the air dry weight of the pulp and the amount of sodium peroxide being equivalent to 0.5% and higher on the air dry weight of the pulp.

2,030,535
EMULSIONS
George James Manson, Hawkesbury, Ontario, Canada, assignor, by mesne assignments, to Manson Chemical Company, Montclair, N. J., a corporation
No Drawing. Application July 3, 1933, Serial No. 679,501. Renewed October 27, 1933.
11 Claims. (Cl. 134—22)

1. The herein described method of treating wax which comprises melting the wax, adding the same to a solution of a water soluble salt; then adding to the solution a second water soluble salt adapted with the first water soluble salt to form a gel.

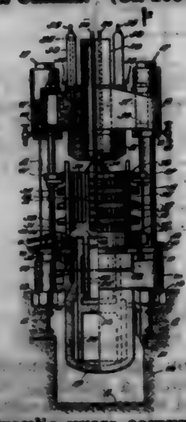
11. An emulsion containing particles of thermoplastic waterproofing agent carrying a thin coating precipitated by double decomposition in situ on said particles of waterproofing agent, said coating being sufficient to maintain the particles in discrete form without substantial tendency to tackiness.

2,030,536
COMBUSTION CONTROL SYSTEM
Paul S. Miller, New York, N. Y., assignor to John M. Haywood, Dermont, Pa.
Application November 28, 1933, Serial No. 700,222
19 Claims. (Cl. 236—14)



1. In combination with a boiler furnace having adjustable sources of fuel and air supply, and an outlet damper for adjusting the draft, of a regulator for adjusting the outlet damper, a master regulator responsive to variations in demand for steam for creating pressure impulses that vary by and in accordance with the load demand, the outlet damper regulator responding to the draft in the furnace outlet and the pressure impulses to so adjust the damper as to maintain a balance between the draft and pressure impulses, a regulator responding to the amount of furnace gases flowing to the outlet for maintaining a predetermined relation between the air supply and rate of fuel supply, and means responsive to the pressure impulses of the master regulator for adjusting the fuel supply for a period of time such as will allow the furnace gas responsive regulator to respond to the change in load.

2,030,557
HYDRAULIC PRESS
Louis A. Malin, Chicago, Ill.
Application September 25, 1933, Serial No. 690,862
12 Claims. (Cl. 100—50)



1. An hydraulic press comprising in combina-

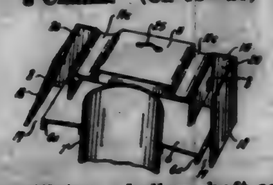
tion, a freely slidable curb, a ram movable to compress the material in the curb and retractible to its initial position, the curb moving with the ram during the initial stage of compression and the ram thereafter moving relative to the curb until compression is complete and the ram in its retracted position defining an opening with the adjacent end of the shifted curb, means for holding the curb in its shifted position, and positively actuated means for discharging the residue cake through the opening.

2,030,318

AIR OR GAS EXTRACTOR FOR VEHICLES OR BUILDINGS

James Muirhead and David Frain Muirhead, Glasgow, Scotland

Application October 28, 1933, Serial No. 695,676
In Great Britain November 16, 1932
8 Claims. (Cl. 98—39)



1. In a ventilator, a hollow shaft communicating with the space to be ventilated, a four sided outer structure comprising two end walls and two transverse upwardly and inwardly inclined deflector plates spaced from said shaft, a cowl above said shaft comprising baffles extending from end wall to end wall between said shaft and said deflectors, said baffles and deflectors forming two elongated slots terminating at the top in substantially parallel openings at opposite sides of said shaft, and base means extending outward from said shaft at a distance below said baffles, but terminating just short of said deflectors to provide drainage slots between the base means and said deflectors.

2,030,319

SODIUM RESISTANT GLASS

Louis Navias, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 11, 1934, Serial No. 739,454
2 Claims. (Cl. 176—122)



1. In combination with an electrical discharge device which contains a quantity of chemically active material and comprising a container which is susceptible to chemical attack by said material, a lining for said container comprising a borosilicate glass, the boric anhydride content of which is within the limits of about 50 to 75 per cent, the silica content of which is within the limits of about 3 to 15 per cent, and the oxide of alkali metal is less than about 10 per cent.

2,030,320

GLASS

Louis Navias, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 11, 1934, Serial No. 739,455
2 Claims. (Cl. 176—122)



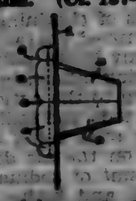
1. In combination with an electrical discharge device which contains a quantity of chemically active material and comprising a container which is susceptible to chemical attack by said material, a lining for said container comprising a barium-containing borosilicate glass, the barium oxide content of which is within the limits of about 25 to 60 per cent, the boric anhydride of which is within the limits of 50 to 70 per cent, and the silica content of which is less than about 20 per cent.

2,030,321

SILENCER

Reuben Ott, Buffalo, N. Y., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a corporation of Virginia

Application September 2, 1932, Serial No. 632,581
1 Claim. (Cl. 137—160)



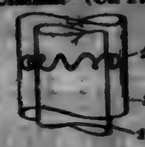
A silencer comprising a carrying plate provided with an opening therein, a plurality of tongues spaced about said opening, flexible strips having their side edges inclining inwardly toward each other, said strips having their larger ends attached to said tongues and being free to flex throughout the major portion of their length, said strips being adapted to normally urge the inclined edge portions of one strip to engage the inclined edge portions of the strip next thereto to form a normally complete passage thru the silencer of gradually decreasing cross sectional area from its inlet to its outlet, said flexible strips being yieldable outwardly to form openings in the passage wall with the greatest range of movement at the outlet end.

2,030,322

MANUFACTURE OF ELECTRIC DISCHARGE TUBES

Arthur George Pearce, Middlesex, England, assignor to General Electric Company, a corporation of New York

Application July 19, 1934, Serial No. 736,662
In Great Britain July 22, 1933
7 Claims. (Cl. 176—123)



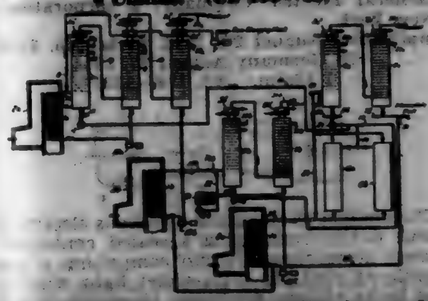
1. An electric gaseous discharge device comprising a sealed envelope containing a gaseous atmosphere and having electrodes sealed therein, an enclosing heat-conserving jacket for said envelope, and means to support said envelope concentrically within said jacket, said means comprising a metal member which surrounds said envelope and makes contact therewith only at a plurality of isolated places.

2,030,323

ART OF CRACKING HYDROCARBONS

Harry L. Pelzer, Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application August 26, 1931, Serial No. 559,870
4 Claims. (Cl. 196—48)



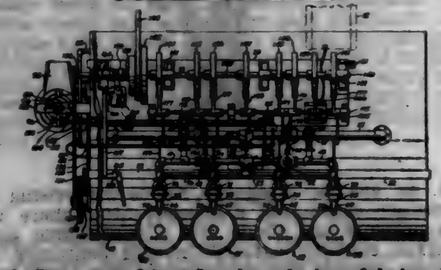
1. In the manufacture of gasoline by cracking high boiling hydrocarbon oils, the improvement which comprises heating a stream of oil to a high cracking temperature in a primary heating operation, subjecting the hot oil products of this primary heating operation and raw oil not subjected to this heating operation together to a tar separating and evaporating operation and discharging tar including constituents of the raw oil therefrom, subjecting the vapors escaping from this separating and evaporating operation successively to a primary fractionating operation and a secondary fractionating operation, condensing a high boiling condensate including constituents of the raw oil subjected to said evaporated in the separating and evaporating operation in the primary fractionating operation and supplying this condensate to the primary heating operation, condensing a lower boiling high boiling condensate in the secondary fractionating operation, separately heating this second-mentioned condensate to a higher cracking temperature in another heating operation and subjecting the hot oil products of this heating operation to a second tar separating operation and discharging tar therefrom, supplying tar from the first-mentioned tar separating operation to a coking operation through which at least a portion of the hot oil products from the second-mentioned heating operation pass, subjecting the vapors escaping from the second tar separating operation to a fractionating operation and condensing a high boiling condensate therein, discharging at least a part of this third-mentioned condensate without permitting return of the discharged part to either heating operation, and condensing a gasoline fraction from the vapors escaping from the said secondary fractionating operation and from the subsequently-mentioned fractionating operation.

2,030,324

METHOD OF AND APPARATUS FOR WASHING FABRICS

Lucien Pierce, Malden, Mass., assignor of one-half to Family Laundry Co., Malden, Mass., a corporation of Massachusetts, and one-half to George W. Hooper, Salem, Mass.

Application January 4, 1930, Serial No. 418,518
9 Claims. (Cl. 68—18)



1. In a machine for laundering fabrics, the sub-combination comprising a wash wheel, a main water supply valve, draining means providing a continuous overflow of waste wash water from the wash wheel during the washing operation while maintaining a predetermined level of water therein, means for maintaining the water supply valve in a predetermined position to continuously admit a predetermined quantity of water into the machine during the washing operation, receptacles for respectively containing different laundering agents, a cam shaft and a plurality of cams carried thereby and a plurality of valves respectively associated with the outlets of said laundering receptacles, means operated by the cams and associated with such latter valves to admit predetermined quantities of the respective laundering agents successively into the machine during the washing operation and means for admitting a fixed charge of a laundering agent into the respective receptacles therefor.

2,030,325

AUTOMATIC TYPEWRITING MARGINATOR

Thomaz Pimentel, Campinas, Brazil

Application February 4, 1935, Serial No. 4,946
In Brazil February 28, 1934
2 Claims. (Cl. 197—141)



1. A foot margin regulator for typewriters having platens comprising a cylinder mounted on one end of the platen, said cylinder being provided with a spiral groove and a recess in one end

thereof, a pawl pivotally mounted on the typewriter, slidably engageable in said groove and adapted to drop into said recess, a spring associated with said pawl tending to keep said pawl in engagement with said groove whereby the platen after successive turns is stopped when the pawl engages said recess.

2,030,396

RECTIFIER AND THE LIKE

Eugene F. Randall, Medford, Mass., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey

Application December 20, 1925, Serial No. 76,427. Renewed July 22, 1933

15 Claims. (Cl. 250—27.5)



1. An electric discharge device comprising a container containing a gaseous atmosphere at low pressure, an anode and a vaporizable and electron emitting cathode in said container, a tubular cathode lead surrounding said anode, an insulator between said anode and said cathode lead and concentrically arranged conductors extending from said insulator between said anode and said cathode lead, said conductors being spaced closely comparable to the mean free path of electrons in said atmosphere.

2,030,397

COMPOSITE GLASS CONTAINER

Neil B. Reynolds, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application December 17, 1932, Serial No. 647,750

5 Claims. (Cl. 176—122)



1. An electrical discharge device comprising a sealed container of fixed form constituted mainly of silicate glass, a charge of alkali metal therein, means for conducting electric current through the vapor of said metal and an inner coating of glass of materially lower fusing temperature, resistant chemically to alkali vapor, and having a short working range and fused in situ to said formed container.

2,030,398

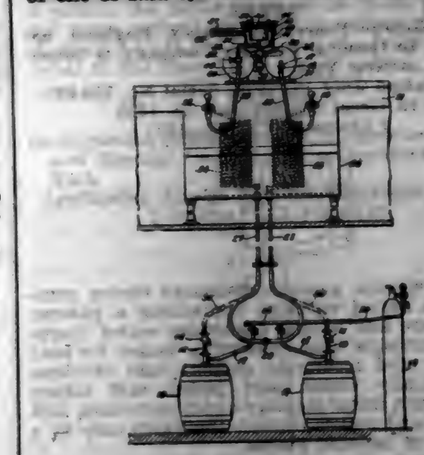
APPARATUS FOR CLEANING PIPES

Lionel I. Rivard and Cyril I. Bemster, New Haven, Conn.

Application March 6, 1935, Serial No. 9,623

4 Claims. (Cl. 225—12)

1. In an apparatus for cleaning pipes, the combination with companion cylinders having at one end a pipe connection therebetween; a valve in the pipe connection; a reservoir connected with said pipe connection; a pipe secured to the head of one of said cylinders having a reservoir con-



nected therewith; a similar pipe secured to the other of said cylinders; and a pipe between said reservoirs.

2,030,399

GASEOUS ELECTRIC DISCHARGE LAMP DEVICE

Robert Rompe, Berlin, Germany, assignor to General Electric Company, a corporation of New York

Application August 20, 1935, Serial No. 37,054

In Germany August 27, 1934

1 Claim. (Cl. 176—123)



The method of operating a gaseous electric discharge device comprising a sealed container, a gaseous atmosphere therein comprising a vapor capable of emitting ultra-violet light when excited by an electric discharge, electrodes in operative relation thereto and a body of fluorescent material associated therewith which consists in applying a high frequency current greater than 10^6 cycles to said lamp, restricting the current density to less than 10 milliamperes per tube section and restricting the vapor pressure to less than 10^{-2} mm. whereby substantially no visible light is emitted by the gaseous electric discharge and an intense light is emitted by said fluorescent body.

2,030,400

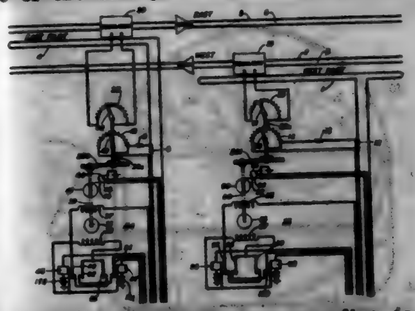
CONTROL CIRCUIT

Victor E. Rosene, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 21, 1935, Serial No. 7,573

18 Claims. (Cl. 178—44)

1. In a transmission system having separate east and west lines, two pilot lines respectively associated with the east and west lines and having resistance variations respectively according to the resistance variations of the east and west lines, attenuation equalizer means in the east line and in the west line, and means controlled consecutively by the east pilot line and the west pilot line for controlling the east equalizer means and the west equalizer means to govern the attenuation in the east line according to the resistance of the east pilot line and to govern the



attenuation in the west line according to the resistance of the west pilot line.

2,030,401

ELECTRIC GASEOUS DISCHARGE DEVICE

Harold H. Buff, Rugby, England, assignor to General Electric Company, a corporation of New York

Application September 3, 1935, Serial No. 39,067

In Great Britain September 19, 1934

4 Claims. (Cl. 176—122)



1. An electric gaseous discharge device comprising a tubular sealed envelope having electrodes at opposite ends thereof, a coil about said envelope in a plane which passes through the line determined by said electrodes, and a vitreous jacket about said envelope and coil.

2,030,402

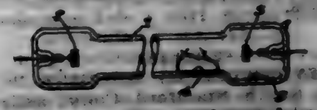
GASEOUS ELECTRIC DISCHARGE LAMP

Alfred Rüttenauer, Berlin-Halensee, Germany, assignor to General Electric Company, a corporation of New York

Application August 7, 1935, Serial No. 35,167

In Germany August 20, 1934

3 Claims. (Cl. 176—123)



1. A gaseous electric discharge lamp comprising a container, electrodes sealed therein, a gaseous atmosphere therein capable of emitting visible rays and ultra-violet rays when excited by an electric discharge between said electrodes, a coating of fluorescent material associated therewith, said coating consisting of a mixture of from 90 to 97% of the yellowish-white form of zinc silicate and from 10 to 3% of calcium tungstate.

2,030,403

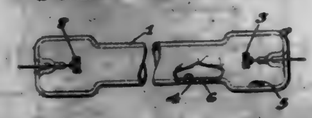
GASEOUS ELECTRIC DISCHARGE LAMP

Alfred Rüttenauer, Berlin-Halensee, and Otto Fritze, Berlin, Germany, assignors to General Electric Company, a corporation of New York

Application August 14, 1935, Serial No. 36,190

In Germany August 25, 1934

1 Claim. (Cl. 176—122)



A gaseous electric discharge lamp comprising a container, electrodes sealed therein, a gaseous atmosphere therein capable of emitting visible light and ultra-violet light when excited by an electric discharge between said electrodes, a body of luminescent material which is weakly excited by the rays emitted by said discharge and another body of material which transforms the ultra-violet rays emitted by said discharge into visible light which strongly excites the material of said first named body and causes it to emit light different in color from that emitted by said first named body and by said discharge, said last named body being interposed between said first named body and said discharge.

2,030,404

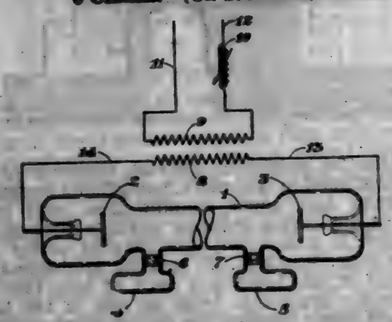
ELECTRIC DISCHARGE DEVICE

John Walter Ryde, London, and Henry Grainger Jenkins, Hatch End, England, assignors to General Electric Company, a corporation of New York

Application November 17, 1931, Serial No. 575,654

In Great Britain December 3, 1930

6 Claims. (Cl. 176—125)



4. An electric discharge lamp containing a rare gas and provided with means for introducing a stream of vaporous impurity therein, said means comprising a porous body through which the impurity diffuses and means for automatically increasing the current through the lamp to a larger value for a short period and reducing it to a smaller value for a longer period.

2,030,405

RECORD PERFORATING MACHINE

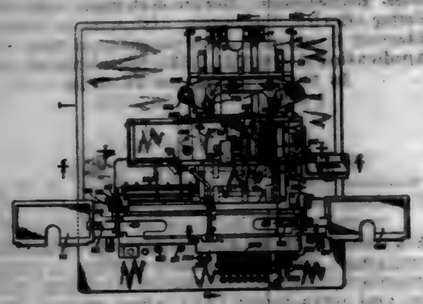
John T. Sahnaff, deceased, late of Washington, D. C., by Lillian A. Sahnaff, executrix, Washington, D. C., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application March 21, 1934, Serial No. 716,880

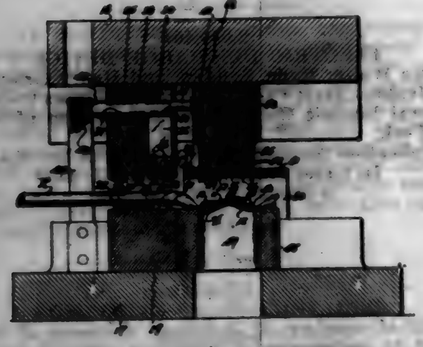
19 Claims. (Cl. 164—113)

1. In a record perforating machine, a plurality of punches, a die plate associated with said

punches, means for moving the die plate to press a record against the punches to effect perforating, and a record counting device operated by movement of the die plate.



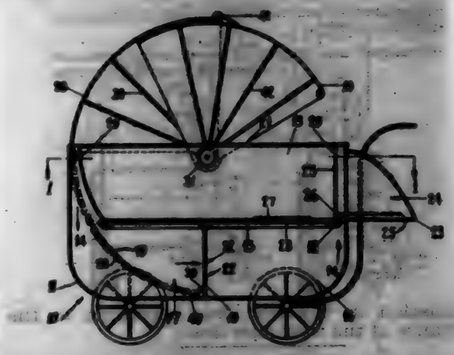
2,030,496
TOOL FOR MAKING SNAP FASTENERS FOR BAG FRAMES
Edward W. Schantz, Newark, N. J.
Application June 26, 1934, Serial No. 732,395
6 Claims. (Cl. 29—34)



1. Dies for producing fastener elements of the kind described in one-piece, comprising cooperating lower and upper shaping dies, said lower shaping die having obtusely angular faces in one of which is a fastener base shaping cavity and in the other a cavity for shaping approximately one-half of the head and neck of said fastener in angular projection from an end of the base, and said upper shaping die having corresponding inverted obtusely angular faces in one of which are cavities for shaping riveting lugs in right angular projection from the bottom plane of the fastener base and in the other a cavity for shaping the remaining portion of the head and neck of said fastener.

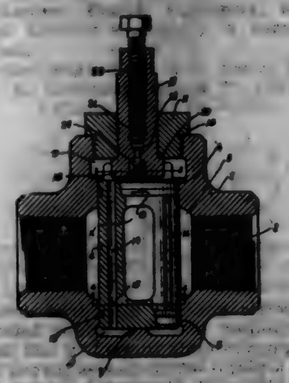
2,030,497
BABY CARRIAGE
Harry Serisky, Brooklyn, N. Y.
Application February 6, 1935, Serial No. 5,161
2 Claims. (Cl. 280—47)

1. A baby carriage and crib of the character described, comprising in combination, a carriage body having a frame fixed thereto above the carriage floor and horizontally therein, a removable baby crib mounted on said frame and spaced away from said floor, an apertured vertical wall between said crib and carriage floors forming storage compartments therebetween, said crib being mounted centrally in said carriage and forming a continuous circulation passage around the



sides and below the bottom of said crib and through said storage compartments.

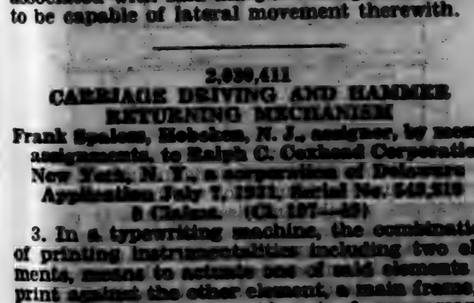
2,030,498
LUBRICATED PLUG VALVE
Ralph P. Sherman, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Texas
Application March 24, 1933, Serial No. 662,902
3 Claims. (Cl. 251—83)



1. A plug valve including a housing, a fluid passage therethrough, a cylindrical plug rotatable in said passage and having a transverse fluid opening therein, peripheral packing rings adjacent each end of said plug, lubricant channels longitudinally of the outer surface of said plug terminating at said rings, means to conduct lubricant to both ends of said plug and approximately balance said plug longitudinally in said housing, and means to force lubricant slowly to said channels.

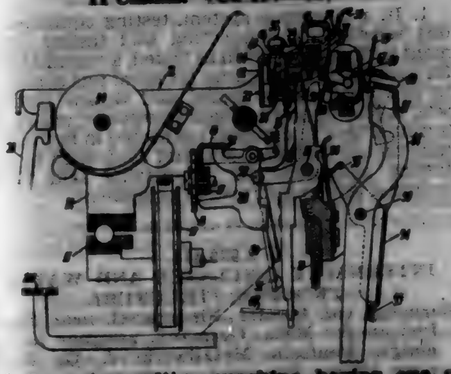
2,030,499
TYPEWRITING MACHINE
Jesse A. B. Smith, Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application May 11, 1935, Serial No. 20,996
16 Claims. (Cl. 197—63)

1. In a typing machine, the combination with a letter-feeding carriage, and differentially settable margin-gages to limit the carriage-movement, of a plurality of margin-gage-setting stops, and means, operable at will, whereby said stops may be selectively interposed into line with companion features provided on the margin-gages, for gaging and thereby facilitating the setting of



the margin-gages according to a plurality of certain line-length standards.

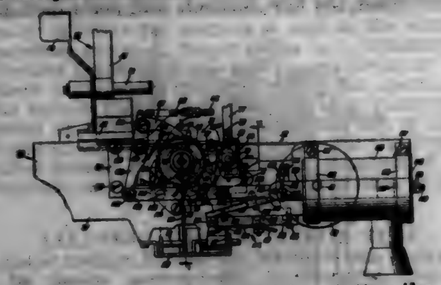
2,030,415
TYPEWRITING MACHINE
Jesse A. B. Smith, Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application October 2, 1935, Serial No. 43,181
11 Claims. (Cl. 197—42)



1. In a typewriting machine having one or more tabular keys, tabular or column stops and a margin-setting device, a paragraph-setting mechanism adapted to engage one of said stops to cause said stop to act as a paragraph-stop, said paragraph-setting mechanism operatively associated with said margin-setting device so as to be capable of lateral movement therewith.

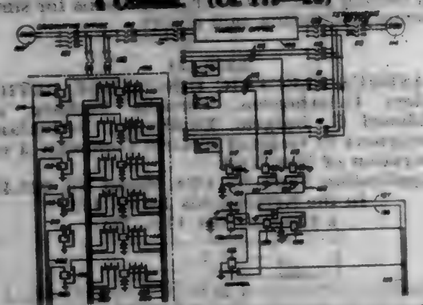
2,030,411
CARRIAGE DRIVING AND HAMMER RETURNING MECHANISM
Frank Spalon, Hoboken, N. J., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y., a corporation of Delaware
Application July 7, 1931, Serial No. 548,519
8 Claims. (Cl. 197—49)

3. In a typewriting machine, the combination of printing instrumentalities including two elements, means to actuate one of said elements to print against the other element, a main frame, a carriage to travel on said main frame, escapement mechanism including a shaft supported on said main frame, means connecting said shaft to be rotated by said carriage, means to propel said carriage, an escapement wheel rotatably supported on said shaft, a ratchet wheel secured to said escapement wheel, means operable by the escapement wheel to restore the actuable printing element to normal, a pawl carried by said shaft to cooperate with said ratchet to form a one way driving connection between the carriage and the escapement wheel, and auxiliary means acting



on said ratchet wheel to assist in rotating the escapement wheel to restore the actuable printing element.

2,030,412
TELEPHONE EXCHANGE SYSTEM
Franklin A. Stearn, Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 24, 1934, Serial No. 749,718
4 Claims. (Cl. 179—18)

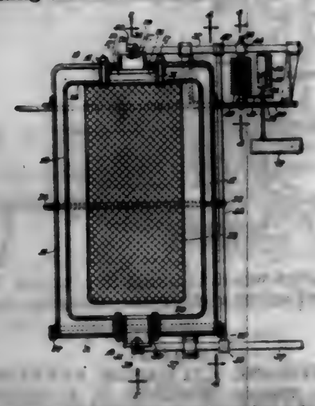


1. In a telephone exchange system, a calling office, called offices, an intermediate office, switching mechanism located in said calling office, a group of direct paths extending from said switching mechanism to each of said called offices, a group of indirect paths extending from said switching mechanism through said intermediate office to each called office, a register sender for recording office code designations of wanted lines and for controlling said switching mechanism to select a path to the called office in which a wanted line terminates, a translating means including a pulse machine for translating office code registrations to enable said sender to control said switching mechanism, reroute relays in said translating means corresponding to the groups of direct paths, each of said reroute relays being operable to change the translation normally effective for routing a call to the corresponding group of direct paths to a translation effective for routing the call to said group of indirect paths, and means effective for operating the reroute relay corresponding to a particular group of direct paths when all but one of that group of paths are actually busy and said pulse machine has completed a cycle to route a call to the last idle path of that group.

2,030,413
REFRIGERATOR
James A. Stone, Philadelphia, Pa.
Application December 14, 1932, Serial No. 647,687
12 Claims. (Cl. 62—61.5)

14. Refrigerating apparatus comprising a heat insulated container adapted to receive a quantity

of evaporative refrigerant, said container having inlet and outlet ports to permit the flow of air and gases through said container, and means for controlling the flow through said ports including

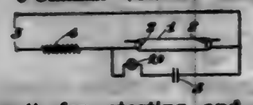


a valve member for each of said ports adapted to close the same, a shaft for each of said valves, each of said shafts extending longitudinally of and beyond said container, and means for simultaneously actuating said shafts.

2,030,414
GASEOUS ELECTRIC DISCHARGE DEVICE

William Uyterhoeven, Cornelis Verburg, and Eduard G. Dergels, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York

Application June 26, 1934, Serial No. 732,490
In the Netherlands July 4, 1933
6 Claims. (Cl. 176—124)

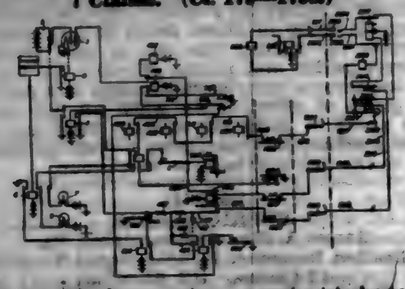


1. A circuit for starting and operating a gaseous electric discharge device comprising in combination, a condenser connected in parallel with said device, a choke-coil connected in series with said device, a current source for said device, said choke-coil and said condenser being so proportioned with respect to each other that they are in resonance for a higher harmonic of the alternating current source.

2,030,415
TELEPHONE SYSTEM

Edward L. Vibbard, St. Albans, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 17, 1934, Serial No. 753,434
7 Claims. (Cl. 179—175.2)

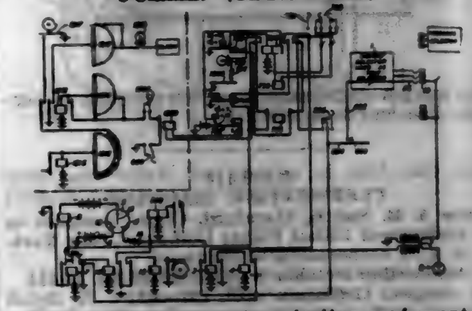


1. In a telephone system, a contact to be tested, testing equipment including a gas-filled tube having a cathode, an anode and a grid, means to prepare a circuit including the contact to be tested, said cathode and said anode, and means to ionize said tube to complete the test circuit.

2,030,416
TELEPHONE SYSTEM

Edward L. Vibbard, St. Albans, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 17, 1934, Serial No. 753,435
6 Claims. (Cl. 179—175.2)



1. In a telephone system, testing equipment, a test selector for connecting said testing equipment with equipment to be tested, a terminal bank for said selector including terminal sets connected to equipment to be tested and vacant terminal sets, means to position said selector on one of said terminal sets, and means connected in multiple to said vacant terminal sets and controlled by said testing equipment for identifying said vacant terminal sets to said testing equipment.

2,030,417
INTERNALLY INSULATED AND WATER-PROOFED STRUCTURE

Hermann von Perrier, Niederursel, near Frankfort-on-the-Main, Germany, assignor to Vereinigte Deutsche Metallwerke A. G., Hinsel, near Altona, Germany, a corporation of Germany

Application February 10, 1934, Serial No. 710,668
In Germany July 11, 1933
12 Claims. (Cl. 72—127)

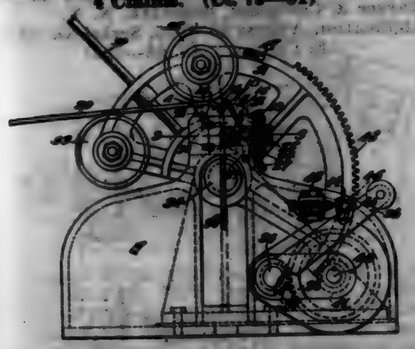


1. An insulated and waterproofed layer for constructions above and underground including bridges, tunnels, foundations of buildings, dams, containers which comprises a plurality of long, foldable and corrosion-resistant metallic sheets of foil thickness connected together and capable of expanding and contracting and of remaining flexible and elastic, said sheets being thin enough to be ductile and to conform to elevations and depressions of the surrounding structural members and having sufficient mechanical strength to resist penetration of said structure, and an intermediary layer of an adhesive substance interposed between each side of the aforesaid sheets and the adjacent surface of the construction to be protected including concrete, stonework, masonry, and brickwork, said adhesive substance being adapted to remain plastic and elastic at atmospheric temperatures, to absorb shocks, and to prevent the occurrence of condensates on the surfaces of said metallic sheets.

2,030,418
TESTING MACHINE

David M. Warner, Dayton, Ohio, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 28, 1931, Serial No. 553,579
6 Claims. (Cl. 73—81)

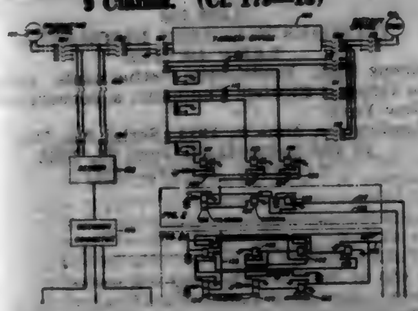


2. A machine for testing the ductility of a material comprising a vise arranged to hold a specimen projecting outwardly therefrom and forming an axis about which said specimen is arranged to be bent, bending members arranged to engage opposite sides of said specimen and mounted to rotate about a common axis located in the plane of the fixed part of the specimen, said common axis being spaced from the aforesaid axis of bending, and means to oscillate said members whereby said specimen is always bent without localized work hardening effect.

2,030,419
TELEPHONE EXCHANGE SYSTEM

Samuel B. Williams, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 24, 1924, Serial No. 749,692
9 Claims. (Cl. 179—18)

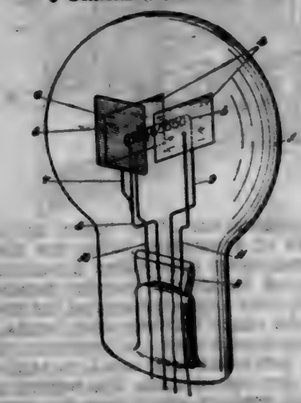


1. In a telephone exchange system, a calling office, called offices, an intermediate office, switching mechanism located in said calling office, a group of direct paths extending from said switching mechanism to each of said called offices, a group of indirect paths extending from said switching mechanism through said intermediate office to each called office, a register sender for recording the office code designations of wanted lines and for controlling said switching mechanism to select a path to the called office in which a wanted line termination, translating means associated with said sender for translating office code registrations to enable said sender to control said switching mechanism, reroute relays in said translating means corresponding to the groups of direct paths, each of said reroute relays being operable to change the translation normally effective for routing a call to the corresponding group of direct paths to a translation effective for routing the call to said group of indirect paths, and means effective for operating the reroute relay corresponding to a particular group of direct paths when all but one of that group of paths are actually busy and the translating means has completed the direction of an initiated call to the last idle path in that group.

2,030,479
ELECTRIC ARC DISCHARGE TUBE

Gustav Zecher, Eindhoven, Netherlands, assignor, by mesne assignments, to General Electric Company, a corporation of New York

Application October 22, 1930, Serial No. 491,769
In the Netherlands January 9, 1930
6 Claims. (Cl. 250—35)

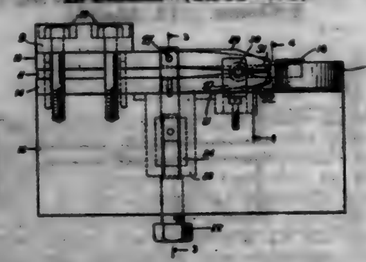


1. An electric discharge lamp device comprising a container, a gaseous atmosphere therein, electrodes sealed therein, one of said electrodes being an elongated cathode of disintegratable material, two of said electrodes being plate shaped anodes mounted in parallel positions in said container, said cathode being interposed between said anodes and a grid in said container mounted at right angles to the longitudinal axis of said cathode parallel to the discharge path between said electrodes and interposed between said cathode and a light transmitting part of said container.

2,030,421
TUNED VIBRATING SYSTEM

Theralf Aasaedt, Westerleigh, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

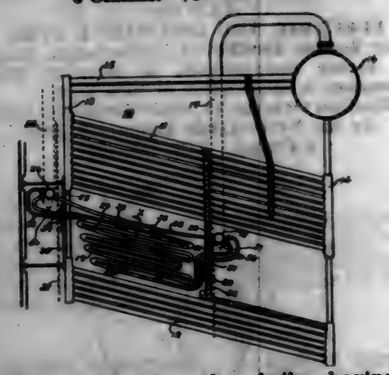
Application April 6, 1933, Serial No. 664,189
13 Claims. (Cl. 84—403)



1. A tuned vibrating system comprising a contoured vibrating bar, two clamp members along a portion of opposite sides of the bar having a

normal radius of curvature different from the bar, means for supporting the bar and the clamps at one end, means for forcing the clamps into intimate contact with the bar throughout their lengths, and means for gradually deflecting the free ends of the clamps to vary progressively the effective free length of the bar.

2,030,422
SUPERHEATER
William H. Armacost, New York, N. Y., assignor to The Superheater Company, New York, N. Y.
Application August 12, 1931, Serial No. 556,883
6 Claims. (Cl. 122—478)

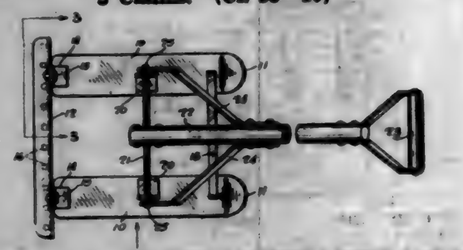


3. The combination of a boiler having two spaced banks of generating tubes one above the other, a superheater comprising a pair of horizontally spaced horizontal tubular headers and having multi-loop units connected between said headers in the space between said banks, means extending above said units, connections for transferring the weight of said units to said means, connections for transferring the weight on said means to said headers, and means for supporting said headers independent of said tube banks.

2,030,423
ALKYL RESORCINOLS
William E. Austin, New York, N. Y., assignor to Bank of The Manhattan Company
No Drawing. Application July 26, 1932, Serial No. 624,270
6 Claims. (Cl. 260—154)

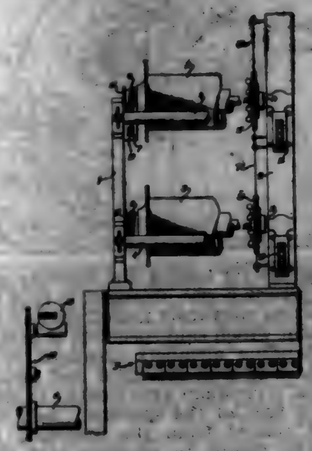
1. Alkyl resorcinols of the general formula $C_6H_3(OH)_2(CHR_1R_2)$ where H is hydrogen, and R_1 and R_2 are alkyls, the group (CHR_1R_2) containing not less than seven carbon atoms, and being attached to the resorcinol nucleus by a carbon other than an end carbon.

2,030,424
SAND TRAP RAKE
Edgar J. Buckgahn, Red Bank, N. J.
Application November 27, 1934, Serial No. 754,935
5 Claims. (Cl. 55—10)



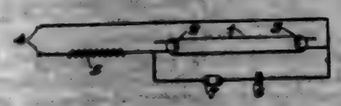
1. A sand trap rake comprising spaced shoes, a bar extending transversely relative to and connecting the shoes, teeth carried by the bar extending downwardly beyond the lower surface of the shoes, and an operating handle pivotally attached to the shoes.

2,030,425
SPEED INDICATOR AND TENSION REGULATOR FOR WARP KNITTING MACHINES
William J. Bernstein, Sanford, N. Y., and Joseph L. Beers, Bloomfield, N. J., assignors to Julius Kayser & Company, Brooklyn, N. Y.
Application August 30, 1935, Serial No. 38,596
18 Claims. (Cl. 66—125)



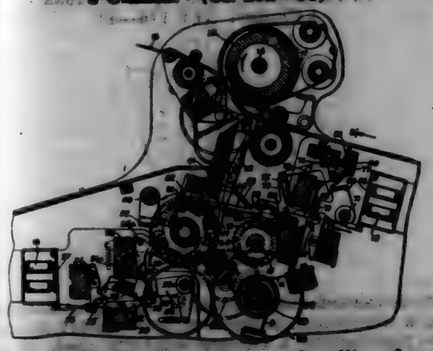
1. In combination with the upper and lower warp beams, and the course regulating element of a warp knitting machine, a separate counter independently mounted and operatively associated with each of said beams and said course regulating element, whereby the relative speed therebetween may be visually indicated.

2,030,426
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Lourens Blok, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application June 2, 1934, Serial No. 728,765
In the Netherlands June 24, 1933
2 Claims. (Cl. 176—124)



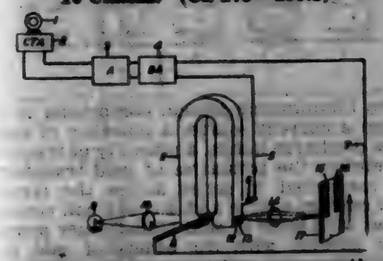
1. A circuit for starting and operating a gaseous electric discharge device comprising in combination, a condenser connected in parallel with said device, a self-inductance connected in series with said device, an auxiliary gaseous electric discharge device connected in series with said condenser, a current source for said first named device, the starting voltage of said auxiliary device being less than the voltage of said current source and the operating voltage of said auxiliary discharge device being greater than that applied thereto after said first named device has been started into operation.

2,030,427
TABULATING MACHINE
Eugen Bahler, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 14, 1934, Serial No. 757,461
8 Claims. (Cl. 101—93)



1. In a printing machine, a plurality of continuously moving type carriers each having a plurality of type spaced thereon, a printing hammer, means for impelling said hammer against one of said elements while in motion to effect printing thereby, means for suppressing operation of said impelling means with respect to certain type and means for rendering said suppressing means inoperative at will.

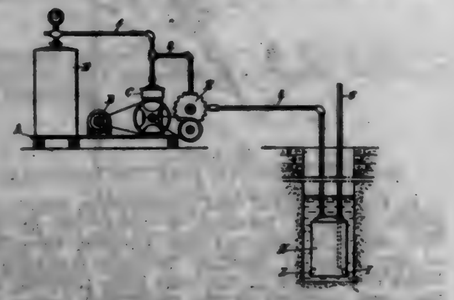
2,030,428
SOUND RECORDING SYSTEM
Irl M. Chambers, Los Angeles, Calif., assignor, by mesne assignments, to Western Electric Company, Incorporated, a corporation of New York
Application September 15, 1932, Serial No. 633,262
10 Claims. (Cl. 179—100.3)



1. A light valve comprising a magnetic structure having parallel pole faces each pierced by a plurality of aligned apertures, a pair of electrical conductors supported between said parallel pole faces and defining a light transmitting slot in each of said apertures, an electrically conductive connection between said conductors intermediate their ends, and means for supplying current to one end of one of said conductors and to the other end of the other of said conductors to vary their space relation whereby the light transmitted through said slots is alternately varied in accordance with the variations in the alternate half-waves of the current.

2,030,429
COMPRESSED AIR WATER ELEVATOR
Antonio Mello da Silva, Rio de Janeiro, Brazil
Application October 3, 1933, Serial No. 692,374
In Brazil October 14, 1932
2 Claims. (Cl. 103—260)

1. In apparatus for the intermittent elevation of water and other liquids by means of compressed air, including a prime mover, an air compressor driven thereby and an air container for compressed air connected to said compressor, a water container adapted to be at least partly immersed in the water to be raised and having both a delivery pipe extending from the upper portion thereof for delivering water therefrom and an air pipe connected thereto for injecting compressed air from said air container, there being one or more inlet valves in the lower portion of said water container for solely letting water into the same, and an exterior distributing and regulating valve both connected to said air pipe so as to control the same intermediate both of said containers, and having a grooved rotary valve member connected to and driven by said prime mover simultaneously with said compressor in order to alternately open said air pipe from said air container to said water container and drive the



water from the latter and then both close said air pipe from said air container to said exterior valve and simultaneously open said air pipe from said water container to said exterior valve through the latter in order to exhaust the air in said water container and allow the same to fill with water through said one or more inlet valves, which exterior distributing and regulating valve has a casing provided with four channels arranged in two groups of two, with the channels in each group disposed at practically a right angle to each other, while said channels cooperate with the grooves in the rotary member of said valve so that the first group of channels serves to pass compressed air into the water container from the air container and the other group serves to exhaust the compressed air from said water container.

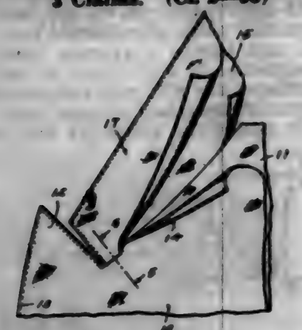
2,030,430
ELECTRIC LAMP
Leonard John Davies, Charles Glisen, and William Joseph Scott, Rugby, England, assignors to General Electric Company, a corporation of New York
Application October 4, 1934, Serial No. 746,912
In Great Britain October 6, 1933
1 Claim. (Cl. 176—122)



In combination, a gaseous discharge device comprising a tubular envelope, electrodes within said envelope, a vaporizable material within said envelope in an amount just sufficient to generate a pressure of the order of atmospheric when entirely vaporized, a surrounding enclosure for said envelope, means for producing an arc discharge between said electrodes said envelope being located during operation in a position with its axis inclined to the vertical, and magnetic control means located in the space between said envelope

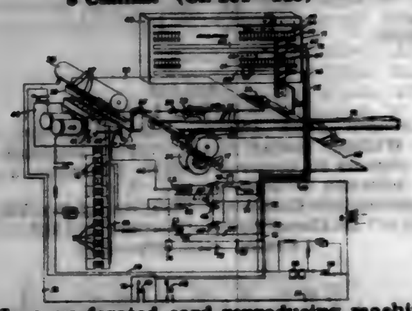
and enclosure and energized by the discharge current for counteracting the tendency of the arc to be deflected from an axial position within said envelope by convection currents set up in said filling by the heat of the arc.

2,030,431
METHOD OF COAT CONSTRUCTION
Frank J. Di Biase, Brooklyn, N. Y.
Application August 15, 1935, Serial No. 36,423
3 Claims. (Cl. 2—98)



1. The method of coat construction which comprises initially forming a collar of at least two pieces of material and stitching three sides of the material together, initially stitching the front and facing of the coat body together with the neck portions of the front and facing free, tacking the ends of the collar through the front and facing of the coat body with a single line of stitching, stitching the balance of one portion of the collar to the facing and stitching the balance of the other portion of the collar to the front of the coat.

2,030,432
PUNCHING MECHANISM
Arthur H. Dickinson, Brooklyn, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 24, 1934, Serial No. 717,170
8 Claims. (Cl. 164—115)



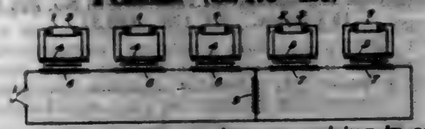
1. In a perforated card reproducing machine, means for analyzing a field of a record card in which a characteristic perforation may be present, means for perforating a field of another card under control of the field of the first card to reproduce all perforations other than the characteristic perforation, and automatically effective upon analysis of the index point position of the characteristic perforation for suppressing the reproduction of a corresponding perforation if one is present in the analyzed card and for effecting a characteristic perforation if there is none in said analyzed card.

2,030,433
GASEOUS ELECTRIC DISCHARGE DEVICE
Eduard G. Dergels, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application April 6, 1934, Serial No. 719,361
In the Netherlands April 22, 1933
4 Claims. (Cl. 176—1)



1. A gaseous electric discharge device comprising a container, a gaseous atmosphere therein, two resistances, a current lead for each of said resistances and a thermionic cathode sealed therein, said resistances being connected in series across said current leads and said cathode being connected in series with said resistances, said cathode being mounted between said resistances, said current leads serving as anodes for said cathode.

2,030,434
GASEOUS ELECTRIC DISCHARGE DEVICE
Eduard G. Dergels, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application April 16, 1935, Serial No. 16,687
In the Netherlands April 15, 1934
2 Claims. (Cl. 176—124)

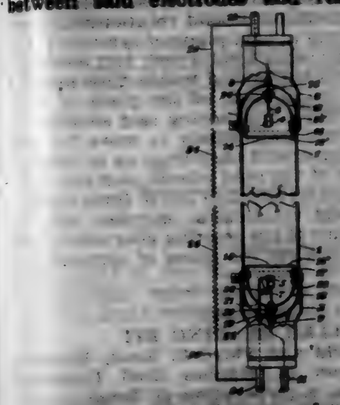


1. An illuminating system comprising in combination a current source, a plurality of gaseous electric discharge lamps, a plurality of transformers therefor, the primaries of said transformers being connected in series across the terminals of said current source and a choke coil connected in series with some of said transformer primaries and in parallel with the others of said transformer primaries with respect to said current source, said choke-coil starting said lamps connected to the transformers connected in parallel thereto after said lamps connected to said transformers connected in series therewith have started.

2,030,435
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Adolf Feige, Berlin, and Hermann Krefft, Berlin-Friedrichshagen, Germany, assignors to General Electric Company, a corporation of New York
Application September 7, 1934, Serial No. 743,160
In Germany September 26, 1933
2 Claims. (Cl. 176—122)

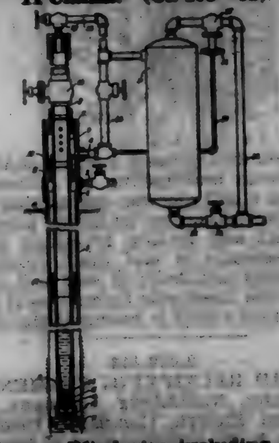
1. A gaseous electric discharge device comprising a container, electrodes and electrode leads sealed therein, a gaseous atmosphere therein, a chamber in said container for each of said electrodes, said chambers being separated from said container, attached to said electrode leads and

opening in the direction of the discharge path between said electrodes and resilient support



means interposed between and pressing against the inner wall of said container and the outer wall of each of said chambers.

2,030,436
PLUNGER LIFT CONTROL
Harold W. Fletcher and Ralph Neuhaus, Houston, Tex., assignors to Hughes Tool Company, Houston, Tex., a corporation of Texas
Application February 18, 1935, Serial No. 7,107
11 Claims. (Cl. 103—53)



1. A plunger lift device including an eduction tube having fluid openings at its lower end, a fluid outlet adjacent its upper end, and a plunger movable from end to end of said tube, in combination with a gaseous fluid inlet in said tube at a level spaced upwardly from its lower end, a valve in said inlet arranged to be opened by upward movement of said plunger past the same and to be closed by downward movement of said plunger past the same.

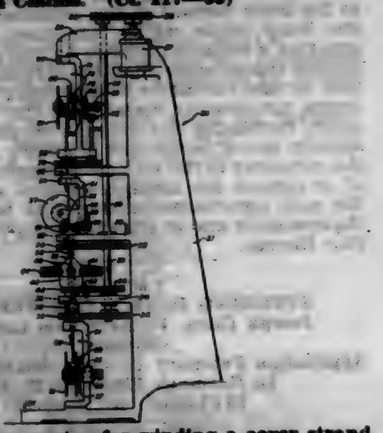
2,030,437
ELECTRIC DISCHARGE DEVICE
Victor James Francis and John Walter Hyde, Middlesex, England, assignors to General Electric Company, a corporation of New York
Application January 7, 1935, Serial No. 740
In Great Britain January 12, 1934
4 Claims. (Cl. 176—122)

1. An electric discharge device comprising a container, electrodes sealed therein, a quantity of vaporizable material therein, a sealed envelope for said container and a gas in said envelope under



a pressure greater than 1 mm. to retard the formation of dark deposits on the inner surface of said container.

2,030,438
METHOD OF AND APPARATUS FOR HANDLING STRANDS
Erwin E. Franz, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 12, 1934, Serial No. 734,714
4 Claims. (Cl. 117—35)

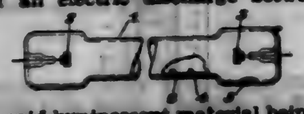


1. In an apparatus for winding a cover strand on a core strand, means to rotate the core strand in one direction and at the same time to twist the core strand, and means to revolve the cover strand about the rotating core strand simultaneously in the opposite direction.

2,030,439
MANUFACTURE OF FABRICATED GLASS ARTICLES
Otto Fritze, Berlin, and Alfred Rittenauer, Berlin-Halensee, Germany, assignors to General Electric Company, a corporation of New York
Application December 18, 1934, Serial No. 758,028
In Germany March 16, 1934
5 Claims. (Cl. 176—122)

1. A gaseous electric discharge lamp device comprising a container, electrodes sealed therein, gaseous atmosphere therein, a coating of light transmitting enamel on the inner surface of said container and luminescent material embedded

in the surface of said enamel coating, said luminescent material having a smooth, glassy surface, said gaseous atmosphere emitting visible light and ultraviolet light when excited by the passage of an electric discharge between said



electrodes, said luminescent material being transparent to said visible light and transforming said ultraviolet light into visible light to complement the spectrum of the visible light emitted by the gaseous atmosphere and to supplement the intensity of the visible light.

2,030,440

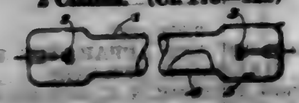
MANUFACTURE OF FABRICATED GLASS ARTICLES

Otto Fritze, Berlin, and Alfred Büttemaner, Berlin-Halensee, Germany, assignors to General Electric Company, a corporation of New York

Application December 30, 1934, Serial No. 757,514

In Germany January 3, 1934

2 Claims. (Cl. 176—122)



1. A process for applying luminescent material to the inner surface of the container of an electric lamp device which comprises the steps of applying a binding material having a lower volatilizing temperature than the softening temperature of said container to said inner surface, applying luminescent material to the binding material, increasing the pressure in said container slightly above barometric pressure and heating the container to the softening temperature thereof to remove the binding material and to cause the said luminescent material to be fused into the container and to present a smooth glassy surface thereat.

2,030,441

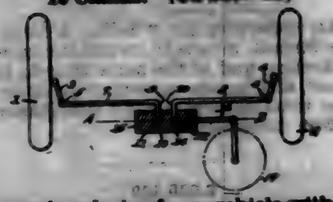
STEERING DEVICE FOR VEHICLES

Joseph Ganz, Frankfort-on-the-Main, Germany

Application February 12, 1935, Serial No. 582,516

In Germany February 16, 1931

10 Claims. (Cl. 280—96)



1. A steering device for a vehicle with individually steered road wheels and with a steering column arranged on one side of the plane of symmetry thereof which comprises a rotationless member mounted approximately in the vicinity of the plane of symmetry of the vehicle and being capable of only sliding transversely to said plane, a steering gear controlling rod having one end pivotally mounted in said rotationless member approximately at said plane of symmetry and having its other end operatively associated with one of said road wheels, said controlling rod being substantially parallel to said rotationless member and extending from said plane of symmetry to said wheel, a second steering gear controlling rod pivotally mounted in said rotationless member approximately at said plane of symmetry and extending to the other road wheel, and mechanical means connected to said rotationless member and extending to one side of the plane of symmetry of the vehicle for moving said slidable rotationless member transversely to move the said controlling rods parallel thereto so as to individually steer each of the road wheels, said mechanical means having an effective line of force extending through said rotationless member and the pivotal mountings of the steering gear controlling rods at approximately the plane of symmetry of the vehicle.

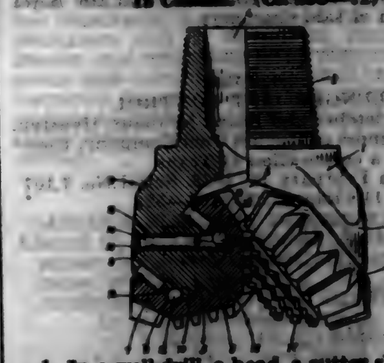
2,030,442

ROLLER BEARING BIT

Lewis E. Garfield and Floyd L. Scott, Houston, Tex., assignors to Hughes Tool Company, Houston, Tex., a corporation of Texas

Application October 20, 1932, Serial No. 638,554

15 Claims. (Cl. 255—71)



1. In a well drill, a head, a cutter shaft integral with said head and having an outboard roller raceway and a ball raceway spaced therefrom, an approximately conical cutter fitting about the end of said shaft and having raceways to register with the raceways in said shaft, rollers in said roller raceways and balls in said ball raceways; said balls being insertable through said shaft and head when said cutter is mounted thereon.

2,030,443

SOLID RECTIFYING ELEMENT

Ottmar Geisler, Nuremberg, Germany, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application July 18, 1934, Serial No. 735,042

In Germany March 15, 1934

11 Claims. (Cl. 175—366)



1. An alternating current rectifier of the type having a rectifying layer of selenium between and intimately attached to a pair of electrodes, in which one electrode is of aluminum.

2,030,444

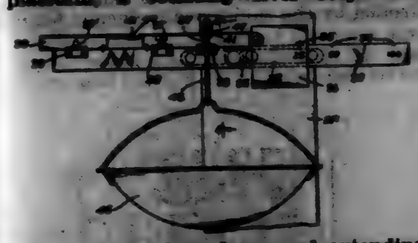
WEIGHING AND COUNTING SCALE

William Nathan Gilbert, Hudson Heights, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application May 19, 1933, Serial No. 671,974

3 Claims. (Cl. 265—39)

1. In a device of the class described, a platform, a base lever operated thereby, automatic counterbalancing and indicating mechanism operated by said lever, a housing for said mechanism above the platform, a counting lever responsive to



movements of the base lever and extending at substantially right angles to the front of the housing, and a ratio pan carried by said counting lever.

2,030,445

GASEOUS ELECTRIC DISCHARGE LAMP DEVICE

Henricus Geeskens, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York

Application November 7, 1934, Serial No. 751,953

In the Netherlands November 9, 1933

6 Claims. (Cl. 176—122)



1. A gaseous electric discharge lamp device comprising a container, electrodes sealed therein, a starting gas and a quantity of vaporizable material therein, means for maintaining a part of said container at a lower temperature than the other parts thereof and a heater mounted in said container adjacent the lowest temperature part thereof.

2,030,446

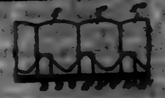
APPARATUS FOR USE IN COLOR PHOTOGRAPHY

Edgar Gretener, Berlin-Siemensstadt, Germany, assignor to Optische Aktiengesellschaft, Glarus, Switzerland, a corporation of Switzerland

Application December 22, 1933, Serial No. 703,708

In Germany December 29, 1932

3 Claims. (Cl. 88—24)



1. In an optical system for use with lenticulated films having three color records behind each lenticulation, a film gate through which such a film is adapted to be moved, a diaphragm through which light may pass to or from said film in the gate, means to form an image of said diaphragm at said gate, said diaphragm having three apertures spaced apart transversely of the lenticulations on the film, the central one of said apertures being rectangular in shape and the side apertures being separated from the central aperture by opaque strips said strips having curved edges forming the boundaries of said side apertures.

2,030,447

MULTICOLOR-SCREEN FOR USE WITH LENTICULATED FILMS

Edgar Gretener, Berlin-Siemensstadt, Germany, assignor to Optische Aktiengesellschaft, Glarus, Switzerland, a corporation of Switzerland

Application January 28, 1934, Serial No. 707,531

In Germany January 19, 1931

1 Claim. (Cl. 88—16.4)



A color filter for use with lenticulated films and high intensity lamps emitting light of approximately equal energy for all wave lengths of the spectrum, said filter comprising three zones extending generally parallel to the lenticulations on the films, the filter being circular and the zones being colored green, red, and blue, with the red zone extending substantially diametrically across the filter, and the green and blue zones being disposed generally parallel to the red zone and on opposite sides thereof.

2,030,448

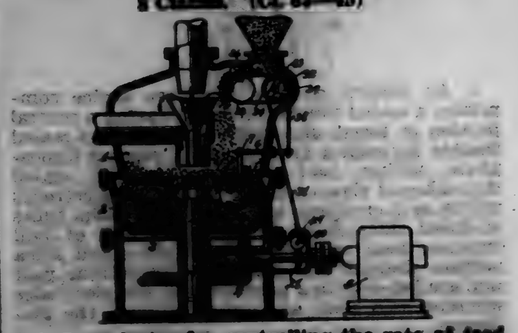
FEED CONTROL FOR MILLS

Ralph M. Hardgrove, Bethlehem, Pa., assignor to Fuller Lehigh Company, Fullerton, Pa., a corporation of Delaware

Application May 23, 1925, Serial No. 231,565

Renewed July 20, 1932

8 Claims. (Cl. 83—45)



1. In a device for controlling the rate of feed to a ball mill having a series of horizontally rotating grinding balls and drive means therefor, a feed mechanism, and means independent of said drive means and operated by the depth of material in the mill to control the feed mechanism.

2,030,449

MERCURY SWITCH

Charles Hotop, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York

Application April 20, 1932, Serial No. 607,047

In Germany May 5, 1931

2 Claims. (Cl. 200—152)

1. A switch comprising a tubular container having a cup-shaped enlargement at right angles to the longitudinal axis thereof, a solid metal elec-

trode and a fluid electrode in said container, one end wall of said container being flexible, a lever fused into said flexible wall, a flexible resilient strip of conducting material fused into the opposite end wall of said container and extending toward said flexible wall, said lever and said strip



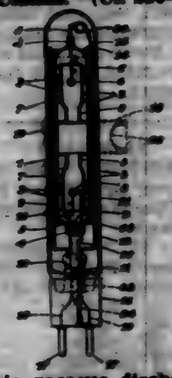
overlapping for the greater part of their length in said container, said solid metal electrode being mounted on the end of said strip, said fluid electrode being in said cup-shaped enlargement, said lever on successive movements thereof making and breaking the electrical contact between said electrodes.

2,029,450

ELECTRIC GASEOUS DISCHARGE DEVICE

Artur Hansche, Berlin, and Hermann Krefft, Berlin-Friedrichshagen, Germany, assignors to General Electric Company, a corporation of New York

Application August 26, 1935, Serial No. 37,456
In Germany September 11, 1934
2 Claims. (Cl. 250—35)



1. An electric gaseous discharge device comprising a sealed tubular envelope having a central portion of fused silica with ends of glass sealed thereto through a graded seal, a gaseous atmosphere within said envelope, inleads sealed through said glass ends and supporting electrodes within said envelope, and a pair of coaxial tubes of fused silica fused to the inner wall of said envelope near opposite ends of the fused silica portion thereof and extending therefrom past said graded seals to a point beyond said electrodes whereby said seals are protected from the discharge.

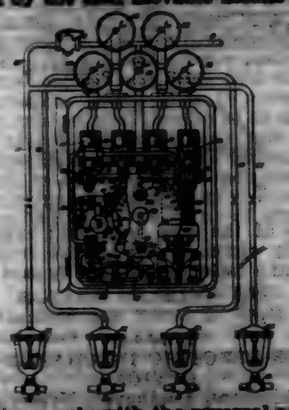
2,029,451

TIME-CYCLE CONTROLLER

William J. Kerr, Waterbury, and Edward C. Miller, Naugatuck, Conn., assignors to The Bristol Company, Waterbury, Conn., a corporation of Connecticut

Application January 3, 1934, Serial No. 705,634
10 Claims. (Cl. 161—7)

1. In a time-cycle controller embodying pilot means, devices controlled thereby, and means for actuating the pilot means: a cam having a plurality of axially displaced surfaces adapted for engagement with the said actuating means, means to rotate the cam substantially continuously during a complete cycle including a reversal of the rotation thereof, means including between the said rotating means and the cam for changing its direction of rotation, means movable with the cam for determining the time of reversal of the rotation of the cam, and means controlled by the said movable means for effect-



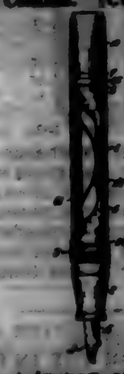
ing simultaneously with the reversal an axial displacement of the cam whereby its engagement with said actuating means is transferred from one to another of said surfaces.

2,029,452

SOLUBLE INK FOUNTAIN PEN

Russell B. Kingsbury, Grange, N. J., assignor, by mesne assignments, to Conmel Pen Company, a corporation of New Jersey

Application April 22, 1935, Serial No. 17,501
9 Claims. (Cl. 120—48)



1. In a fountain pen of the kind described, a barrel open at its upper end, a throat-section to carry a pen nib and its feed bar, associated with the lower end of said barrel, an ink material storage means movable within the upper open end portion of said barrel and having an end exteriorly projecting from the latter, a reservoir means including a flexible sac interconnected in communication between said storage means and said throat-section, the sac being adapted to be collapsed by movement of the storage means relative to said barrel.

2,029,453

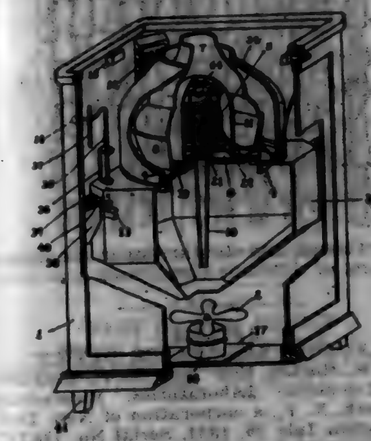
HUMIDIFIER

Leo Kresser, Springfield, Mass., assignor to United American Bosch Corporation, Springfield, Mass., a corporation of New York

Application September 26, 1932, Serial No. 633,179
5 Claims. (Cl. 261—91)

1. A humidifier comprising a cabinet, a water reservoir in said cabinet spaced from the inner

side surfaces thereof, means for propelling a draft of air between said reservoir and said surfaces, the reservoir having an opening in the top, a basin in said opening, a cover having an outlet neck for the basin, a plate having a downturned rim resting upon the bottom of the basin, a motor on said plate, a centrifugal disk between



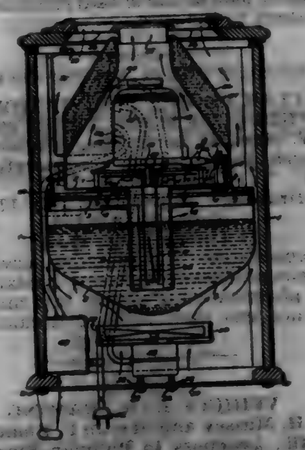
said plate and the basin connected to be rotated by the motor and a tubular member projecting downward from said disk through an opening in the bottom of the basin into the reservoir, said disk having a central opening through which water can be drawn by way of said member to the top surface of the disk.

2,029,454

HUMIDIFIER APPARATUS

Leo Kresser, Springfield, Mass., assignor to United American Bosch Corporation, Springfield, Mass., a corporation of New York

Application December 15, 1934, Serial No. 757,645
5 Claims. (Cl. 261—91)



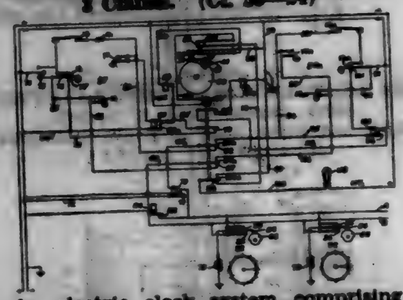
1. In a humidifier, a water tank, an atomizer in communication with said tank, a motor driving said atomizer, means for establishing a stream of moist air surrounding said motor, means for establishing a stream of dry air substantially concentric with said moist air stream, and a sound absorbent partition separating said air streams and positioned adjacent said motor.

2,029,455

ELECTRIC CLOCK SYSTEM

Clinton E. Larrabee, Binghamton, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application July 16, 1932, Serial No. 622,963
3 Claims. (Cl. 58—24)



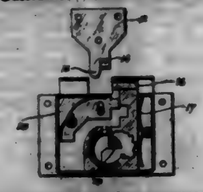
3. An electric clock system comprising two master clocks, a plurality of secondary clocks adapted to be operated by one or the other of said master clocks, means operated conjointly by both master clocks and means controlled by said last named means for selecting the one or the other of said two master clocks for operating the secondary clocks.

2,029,456

LOCK

Charles Lodin, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn.

Application May 13, 1930, Serial No. 542,074
3 Claims. (Cl. 70—27)



1. In a suitcase, a lid, a hasp secured to said lid on the inside thereof, a lock comprising locking mechanism and a main body portion adapted to receive and lock said hasp therein, a cylinder lock slidably mounted relatively to said lock body and secured to the locking mechanism for directly actuating the same, said cylinder projecting forwardly from said main lock body and through a hole in the suitcase, a head on said cylinder, said cylinder being slidable laterally relatively to the hole in the suitcase, said head being of such size relatively to the hole as to fully cover the hole when the cylinder is at its extreme positions.

2,029,457

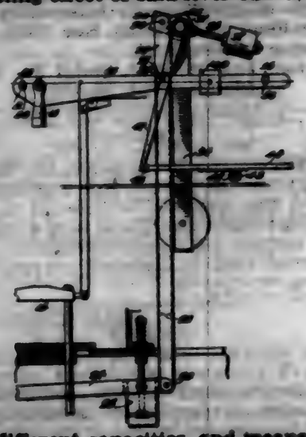
UNIVERSAL TESTING MACHINE

Robert B. Lewis, Philadelphia, Pa., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 12, 1932, Serial No. 637,394
5 Claims. (Cl. 265—16)

2. In a testing machine, the combination of a weighing system including a load responsive lever, an indicator, means for operating said indicator, means forming a point of connection between said lever and indicator operating means, means for applying a testing load to said lever, means providing two fulcrum saddles for said le-

ver, a single removable knife edge for selecting one or the other of said fulcrum saddles whereby the operating effect of said lever can be varied at



will for different capacities, and means to maintain said lever balanced about said point of connection whereby the same zero setting of said indicator is maintained for all capacities.

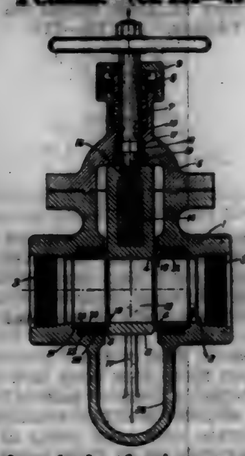
2,030,458

RESILIENT SEAT FOR VALVES

Marion E. McKellar, Ralph P. Sherman, and Harold W. Fletcher, Houston, Tex., assignors to Hughes Tool Company, Houston, Tex., a corporation of Texas

Application April 6, 1931, Serial No. 528,684

2 Claims. (Cl. 251—167)



1. A valve body having a fluid passage therethrough, a valve in said passage, sleeves slidable in said passage, valve seats on said sleeves, a chamber surrounding each sleeve, and lubricater attachments through which lubricant may be forced against each of said sleeves to move said seats against said valve, there being ducts in said sleeves for lubricant to the faces of said seats, and means to seal about said sleeves in said passage.

2,030,459

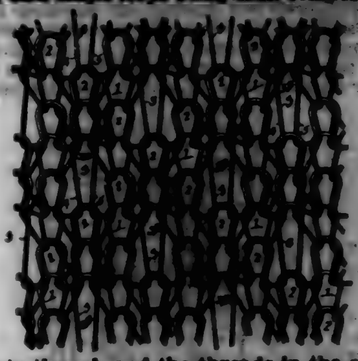
MILANESE CLOTH

Ernst Richard Meinig, Wyomissing, Pa.

Application May 13, 1933, Serial No. 670,842

9 Claims. (Cl. 66—126)

1. A Milanese cloth consisting of relatively different sized threads forming diagonal rows of single and double knitted loops, the limbs of certain of said single loops being each composed of a



separate thread, and the threads in the opposite limbs being of different thicknesses.

2,030,460

ELECTRIC RESISTANCE DEVICE

Edmund B. Merian, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 20, 1934, Serial No. 736,147

4 Claims. (Cl. 201—63)



1. In a resistance device, a core of insulating material having spoolhead portions, a polygon portion and a screw threaded fastening portion integrally formed therewith, the polygon portion and the screw threaded portion extending from the opposite side of one of said spoolhead portions with respect to the core.

2,030,461

GRANULAR PRODUCT CONDITIONER AND PRODUCTS MADE THEREWITH

Henry V. Moss, St. Louis, Mo., assignor to Swann Research, Incorporated, a corporation of Alabama

No Drawing. Application July 12, 1933, Serial No. 680,155

12 Claims. (Cl. 99—11)

1. A conditioner for granular, crystalline or amorphous products comprising a mixture of tricalcium phosphate and starch, said mixture containing not less than 30% of tricalcium phosphate.

2,030,462

VEHICLE END FRAMING

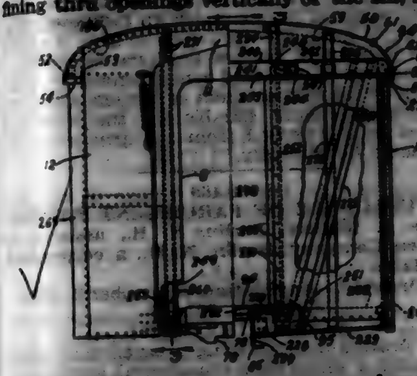
William H. Massey and Martin P. Blomberg, Chicago, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware

Original application June 17, 1933, Serial No. 676,265. Divided and this application June 14, 1934, Serial No. 730,619

11 Claims. (Cl. 105—402)

1. In a railway car, a vestibule end framing including a buffer end sill having web portions ex-

tending thru openings vertically of the sill, hollow



end posts entered in said openings, and means for locking said posts to said sill.

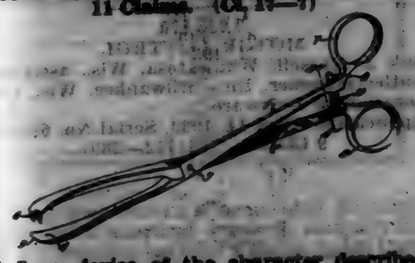
2,030,463

FISH BONING DEVICE

Homer L. Nalon, Albany, N. Y.

Application July 13, 1933, Serial No. 680,264

11 Claims. (Cl. 17—7)



1. In a device of the character described, a pair of pivotally connected members having handles at one end and jaws at the other, the jaw end of one of said members being flattened and provided at its extremity with a transverse cutting edge and the jaw end of the other member being provided with a gripping means cooperating with the flattened portion of the first mentioned member.

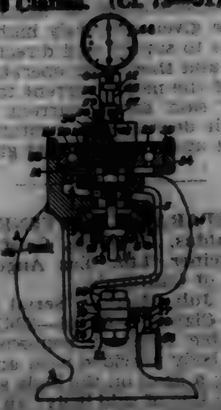
2,030,464

TESTING DEVICE FOR THREADED ARTICLES

Frederick C. Nilson, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application July 14, 1933, Serial No. 680,416

9 Claims. (Cl. 73—51)



1. In a testing device for screws, means for subjecting a screw to variable tensile and torsional stresses, means for measuring said tensile stresses, means for measuring the efforts required to effect said stresses, means for measuring torsional stresses obtaining simultaneously with said tensile stresses, and means registering the linear and twisted deformation resulting from said tensile and torsional stresses.

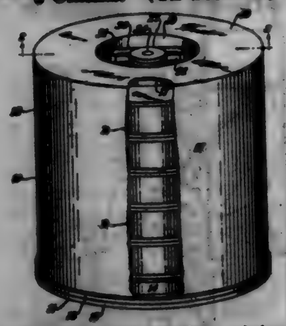
2,030,465

RECEPTACLE FOR MOTION PICTURE FILMS

Joseph T. Nist, Canton, Ohio

Application March 8, 1934, Serial No. 714,634

5 Claims. (Cl. 206—58)



1. A receptacle for motion picture film reels including a base, a cover having a top wall and side walls fitting around the base, the top wall having an aperture therein, a reel-threading rod secured at one end in the base and having its other end projecting through the aperture in the top wall, a plurality of film reels threaded on said rod and supported on the base within the cover, and handle means for clamping said cover on said base, said handle means including a nut member for screwing on the projecting end of the rod and a handle member swiveled on the nut member and adapted for selectively engaging the nut member for turning the same.

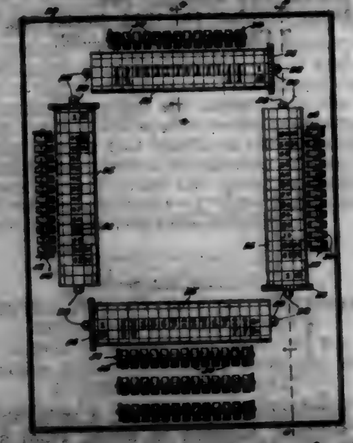
2,030,466

DOUBLE DUMMY BRIDGE GAME

Israel R. Paris, Washington, D. C.

Application September 23, 1932, Serial No. 634,601

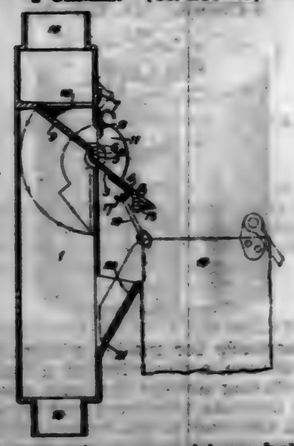
26 Claims. (Cl. 273—148)



1. A new article of manufacture for the play of double dummy bridge comprising a plate, said plate having four elongated slots therein, and

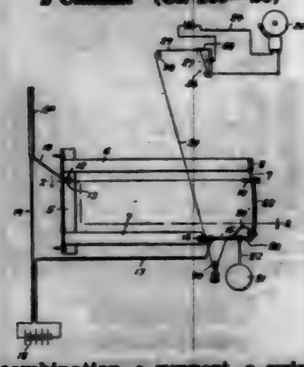
means carrying insignia of playing cards, said means being operable to display through said slots preselected groups of said insignia forming any one of a plurality of possible bridge games, each game consisting of four simultaneously displayed hands, one hand being displayed through each slot.

2,030,467
RAINWATER TRAP
Herbert Plaistowe Pearse, London, England
Application January 2, 1933, Serial No. 129
In Great Britain January 8, 1934
4 Claims. (Cl. 137—9)



1. A rainwater trap comprising a hollow casing adapted to be inserted in the stack pipe and having upper and lower openings, a water diverting flap hinged adjacent the lower edge of the upper opening, an offset wall provided at the lower opening and forming an upwardly opening mouth for receiving and supporting the overflow spout of a receptacle positioned to receive discharge from the hinged flap when the latter is tilted outwardly.

2,030,468
FIRE EXTINGUISHER
Frederick C. Rahlmann, San Antonio, Tex., assignor of fifteen one-hundredths to G. Woodson Morris, San Antonio, Tex.
Application October 16, 1934, Serial No. 748,538
2 Claims. (Cl. 169—26)

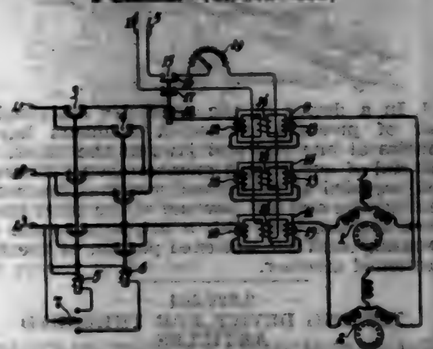


1. In combination, a support, a swingable arm on the support adapted to swing from a horizontal to a vertical position, a thermostatic element secured at one end to the support, a lug on the opposite end of the element for sustaining the arm in horizontal position, said thermostatic element adapted to flex under an increased temperature to move the lug from the arm, a spring on the element in normal tensional engagement with the arm to urge said arm downwardly when released by the displacement of the lug, and a fire extinguishing bomb slidable on the arm and adapted to be released from the arm when the arm moves downwardly.

2,030,469
MANUFACTURE OF PARCHMENT PAPER
George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application September 3, 1932, Serial No. 631,495
2 Claims. (Cl. 8—30)

1. A process for producing a parchment paper presenting a variegated ornamental appearance which comprises first distributing through a paper base over localized areas only thereof a compound which reacts with parchmentizing, sulphuric acid solution to produce an insoluble, opaque filler in situ in the base, and thereafter treating the paper with said solution to effect its parchmentization and to produce said filler.

2,030,470
MOTOR CONTROL
Frank J. Russell, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application April 14, 1933, Serial No. 666,806
9 Claims. (Cl. 172—239)



2. In combination, a squirrel cage motor, reactors having coils traversed by the current supplied to the motor and direct current coils for varying the reactance value of the former coils, and means responsive to the motor current and operative at a given relatively high value of the motor current to supply said direct current coils with current and thereafter operative at a given lower value of the motor current to decrease the excitation of said direct current coils and to maintain such decrease in excitation until the motor current again attains said given relatively high value.

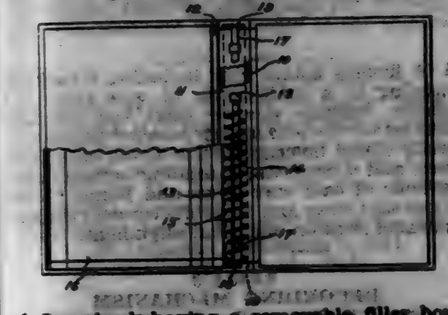
2,030,471
SEPARABLE FASTENER
George G. Sabins, Glendale, Calif., assignor to Samuels-Kleiner, Ltd., Los Angeles, Calif., a corporation of California
Application July 24, 1934, Serial No. 736,667
4 Claims. (Cl. 24—224)

1. A separable fastener, comprising; an eye part having a body provided with an opening between its ends; a head on the body spanning said opening at one side of said body; an extension on one edge of the body extending inward to span said opening at the other side of said body and spaced from the head to form an intervening eye; and a hook part having a hook extendable through



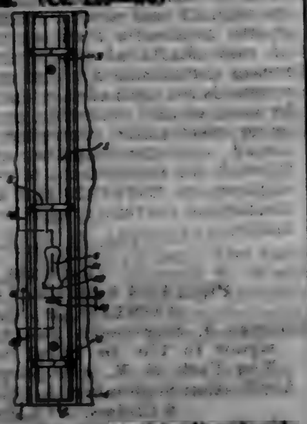
said eye to engage said head, and be positively guided in its movement by said head and extension.

2,030,472
BOOK CONSTRUCTION
Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application June 26, 1935, Serial No. 28,430
8 Claims. (Cl. 281—19)



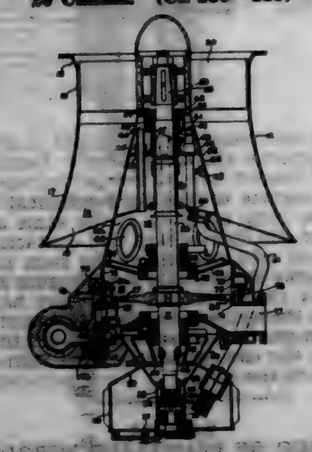
1. In a book having a removable filler bound together with a helical wire coil, said coil being held by a securing member passing inside the coil and underneath arches formed in a back plate secured to the cover of the book, that construction of securing means in which it is shaped to contact with the wire coils along two lines spaced laterally from the central line of contact of the wire coils with the back plate.

2,030,473
LOOSE LEAF BOOK
John Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application February 12, 1935, Serial No. 6,211
9 Claims. (Cl. 129—24)



1. A ring binder having in combination hinged connected hook plates, a spring plate to hold the hook plates, an operating lever for the hook plates, said lever having two pivots one on the hook plates and one on the spring plate, the connection with the lever by one of said pivots being slidable enough to position the lever with respect to its pivots so as to lock the hook plates in closed position.

2,030,474
BLOWER
Henry F. Schmidt, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 8, 1935, Serial No. 9,963
20 Claims. (Cl. 230—116)

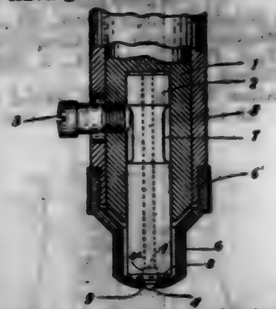


1. In a propeller blower, an outer tubular housing having throat and diverging portions, a spindle arranged coaxially of the housing, a propeller in the throat portion and connected to one end of the spindle, an elongated central tubular structure arranged coaxially of the outer housing and encompassing the spindle, the central housing structure including first and second portions which converge toward the respective extremities thereof and the first convergent portion being disposed in the divergent portion of the outer housing so that its small end is adjacent to the propeller and the first convergent portion cooperating with the divergent portion of the outer housing to provide an annular discharge passage for the propeller, guide vanes in the annular discharge passage and joined to the interior of the divergent portion of the outer housing and to the exterior of the first convergent portion of the central housing structure for supporting the latter from the former, said guide vanes extending substantially for the full length of the annular passage and being curved lengthwise of the latter, and bearings carried by the outer extremities of the convergent portions of the central housing structure for supporting the spindle.

2,030,475
PENETRATOR-STEM FOR HARDNESS-INDICATING APPARATUS
Albert F. Shaw, New York, N. Y.
Application October 28, 1927, Serial No. 228,749
12 Claims. (Cl. 265—12)

5. In means for measuring the hardness of material, a pressure bar having a socket in one end, a stem carried in the bar socket and of a length to project beyond the end of the bar, said stem having an annularly reduced portion adjacent one

end and reduced at the opposite end, and said last mentioned end having a socket therein the wall of which tapers inwardly and radial serrations disposed about the entrance to the socket, a screw threaded into an opening in the socket wall of the pressure bar and adapted to engage the reduced portion of the stem to releasably retain the stem in the bar socket, an indentor mounted in the stem socket and having a hemi-spherical tip and a body having a conical side wall merging



with the surface of the hemi-spherical tip, the wall of the body tapering at the same angle as the wall of the stem socket and contacting with the serrated wall portion of the stem socket, a sleeve slidably mounted on the pressure bar, and a contactor cap carried by the sleeve having an opening in the end wall for the passage of the indentor and an annular shoulder about the opening within the cap for engagement with the reduced end of the stem.

2,030,476

METHOD OF PRODUCING MIRRORS

Harry Edward Smith, Brooklyn, N. Y., assignor to Foster Dee Snell, Brooklyn, N. Y.

No Drawing. Application January 21, 1931, Serial No. 510,315

4 Claims. (Cl. 91—68.2)

4. The method of producing clear silvered glass flakes, which comprises cleaning the glass flakes, washing the cleaned glass flakes, treating the glass flakes with a freshly prepared dilute stannous chloride solution, washing the glass flakes with water, plating the glass flakes with a solution of silver nitrate and dextrose, washing the plated glass flakes and drying the same.

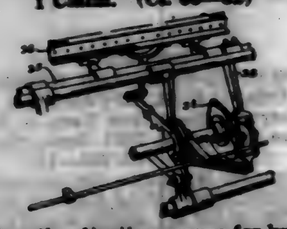
2,030,477

FULL FASHIONED HOSIERY KNITTING MACHINE

Howard B. Snader, Temple, Pa., assignor to Vanity Fair Silk Mills, Reading, Pa., a corporation of Pennsylvania

Original application July 19, 1933, Serial No. 679,895, now Patent No. 1,979,066. Divided and this application September 21, 1933, Serial No. 690,451

1 Claim. (Cl. 66—82)



Stitch length adjusting means for knitting machines comprising in combination, an actuating cam, a needle bar arm having an eye with its opening in the plane of rotation of said actuating cam, of a journal mounted eccentrically in the eye of said needle bar arm, a cam roller revolubly mounted on said journal, and a handle including a detent for holding the handle in any position to which it may be shifted, for shifting the throw of said eccentric journal to vary the distance of the axis of rotation of said roller from the cam which determines forward and backward movement of said needle bar.

2,030,478

MEANS AND METHOD FOR BINDING BOOKS

Isidore Spinner, Chicago, and Philip V. Spinner, Wilmette, Ill.

Application August 6, 1934, Serial No. 738,494

4 Claims. (Cl. 281—35)



4. A flexibly bound book including a backbone consisting of a multiplicity of wire rings of a diameter slightly greater than the combined thickness of the leaves and inserted through integrally closed holes along the bound edge of the leaves, and a cross bar extending between abutting ends of said wire rings and joined thereto to close said rings and to rigidly connect the same in parallel relation and axial alignment.

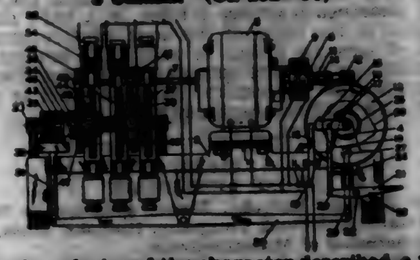
2,030,479

RECORDING MECHANISM

Joseph B. Strauss, San Francisco, Calif.

Application October 22, 1932, Serial No. 638,138

3 Claims. (Cl. 101—96)



1. In a device of the character described, a plurality of concentric shafts, a type drum mounted on each of said shafts, means for rotating said shafts, means for stopping the rotation of each of said shafts at pre-determined points, said means comprising a group of radially positioned solenoids for each of said shafts, a latch actuated by each of said solenoids, each of said solenoids being electrically connected to remotely positioned contacts capable of being energized through the engagement of contacts moving into engagement therewith, and a master switch for conducting current to said contacts and to said motor.

2,030,480

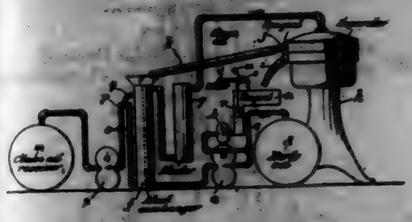
PROCESS FOR RECLAIMING OIL CONTAINING CARBON

George J. Streyaski, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application September 14, 1933, Serial No. 689,309

9 Claims. (Cl. 196—16)

1. The process of reclaiming used lubricating oil containing dispersed carbon which comprises coagulating dispersed carbon out of the oil phase and preventing its dispersal in the aqueous phase by mixing and heating with an alkaline solution having a specific gravity more than 30% greater than that of the oil, separating the oil from the



alkaline solution and the carbon and the carbon from the alkaline solution, treating successive quantities of used oil with the alkaline solution and adding water to compensate for evaporation and thus maintain the gravity of the solution.

2,030,481

MACHINE TOOL, PARTICULARLY MILLING MACHINE HAVING A COUNTER SUPPORT

Richard Stahlmecker, Siegmar, near Chemnitz, Germany, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Schoenau-Chemnitz, Germany

Application August 12, 1933, Serial No. 684,685

In Germany September 7, 1931

6 Claims. (Cl. 90—33.5)



1. A machine tool, particularly a milling machine, comprising a machine standard, an overarm arranged on and exclusively fastened to the standard, the main part of the overarm projecting freely from the standard, a working spindle, means for supporting the working spindle, said means being arranged at the projecting part of the overarm, and lateral bracing arms, each in one piece, directly connected at one end to the sides of the projecting part of the overarm and at the other end to the standard.

2,030,482

METALLURGICAL APPARATUS

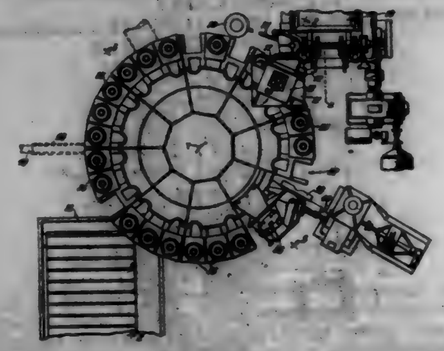
David L. Summey, Waterbury, Conn.; The Colonial Trust Company and Richard F. Weeks Summey, executors of said David L. Summey, deceased, assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application May 14, 1932, Serial No. 611,294

Renewed December 20, 1934

7 Claims. (Cl. 22—77)

1. Casting apparatus comprising in combination, a fixed base, a movable carrier mounted above the base, a plurality of molds thereon, a closing cap for the bottom of each mold, means disposed in a given position on said base beneath



the path of the caps of the molds for forcing the caps closed when the molds are halted above said cap-closing means, and means for holding said caps in closed position.

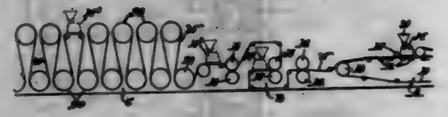
2,030,483

METHOD FOR THE MANUFACTURE OF COATED PAPER

Dieng D. Ueng, Fitchburg, Mass., assignor to Fitchburg Paper Company, Fitchburg, Mass., a corporation of Massachusetts

Application April 1, 1933, Serial No. 663,968

1 Claim. (Cl. 92—40)



The method of coating paper which comprises removing a portion only of the moisture from a paper web in a paper machine having forming wires and a pressing section, applying a coating of moisture-reactive coating material in dry powdered form to the paper web after said web has left the forming wires and at a point adjacent the pressing section, allowing said powdered coating material to coact with the still substantially moist paper web, and thereafter drying and removing additional moisture from said web and causing said previously powdered material to form a relatively smooth surface on the paper prior to leaving said machine, all of said operations being performed successively as parts of a continuous paper-making process.

2,030,484

SHAPING MACHINE

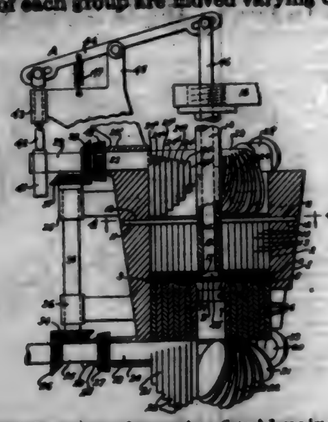
Fred G. Waller, East St. Louis, Ill.

Application March 21, 1934, Serial No. 716,684

5 Claims. (Cl. 113—38)

1. A shaping machine comprising a body portion provided with an opening through which a sheet of material is fed into the machine, cutting means within said body portion for cutting blanks from said sheet of material, a pair of groups of nested forming elements arranged within said body portion above and below said sheet of material for forming said blanks into articles of the desired shapes, and means for imparting independent movement to the forming elements of

said groups in such manner that the forming elements of each group are moved varying distances,



and said forming elements of said pair of groups being moved in the same direction.

2,030,425
OIL DISTILLATION
John Samuel Wallis, New York, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application December 3, 1930, Serial No. 499,624
20 Claims. (Cl. 196—114)



8. An apparatus for condensing mixtures of hydrocarbon vapor and the like comprising a vertical shell, a cooling unit within said shell, means for introducing hydrocarbon vapor above said cooling unit and means for directing the vapor downwardly over the unit to the lower portion of the shell and upwardly to the upper portion of the same independently of the downflowing vapor.

2,030,426
MOVEMENT FOR KICKING DOLLS
Ernst Weiss, Nuremberg, Germany
Application December 21, 1934, Serial No. 758,616
In Germany September 21, 1934
6 Claims. (Cl. 46—150)

1. A movement for kicking dolls, comprising in combination a spring motor having two side plates, a driving crank journalled in said side plates driven by said motor, two mutually displaced cranks journalled at the upper end of said plates adapted to carry the arms of the doll, rods connecting said cranks with said driving crank, two mutually displaced cranks journalled at the lower end of said plates, extensions one on each of said lower cranks adapted to carry the legs of the doll, and a slidable telescopic connecting member between said lower cranks and said driving crank adapted to extend when the lower cranks are turned so that said extensions are at right angles to said side plates to bring the legs of the doll on said extensions into sitting position.

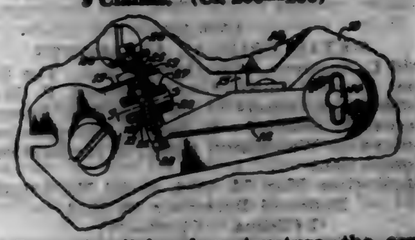


2,030,427
CLOCK CASE
Richard H. Whitehead, New Haven, Conn., assignor to The New Haven Clock Company, New Haven, Conn., a corporation
Application November 30, 1934, Serial No. 755,236
5 Claims. (Cl. 58—54)



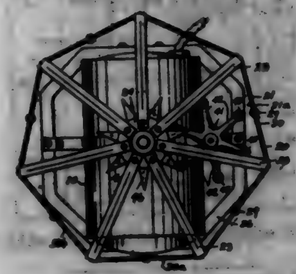
1. A clock case including: a clock base forming one part; a split case-band forming another part and having a minor portion of its circumference engaged against the base and with the split intermediate the ends of the area of engagement of the case-band and base, the main portion of the circumference of the case-band forming part of the outside surface of the clock case; and means adjacent and at opposite sides of said split securing portions of the case-band on opposite sides of said split, to the base.

2,030,428
CIRCUIT BREAKER
Ralph M. Williams, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 6, 1934, Serial No. 752,708
9 Claims. (Cl. 200—166)



1. In a circuit-breaker structure, the combination of a contact point holding screw, a slide on the end of the screw, a locking screw within the holding screw, and a reversible contact point structure comprising opposed contact faces held in the slide by the locking screw.

2,030,429
PROJECTOR
Russell E. Wilson, Cleveland, Ohio
Application January 15, 1934, Serial No. 706,649
8 Claims. (Cl. 88—27)



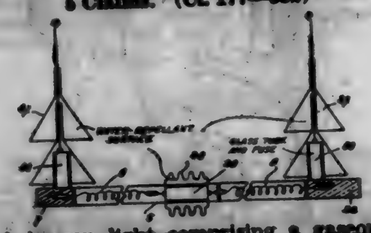
1. A light projection apparatus, comprising a cylindrical housing horizontally disposed, a source of illumination therein, a frame encircling said housing and adapted to carry a series of units through which a beam of light may be projected, a centrally located swivel connection extending vertically from the top portion of said housing and said frame, a supplementary frame member carried by the lower portion of said housing and means supported by said supplementary frame member to rotate said frame intermittently a fraction of a revolution to bring successive units into position to be projected by the beam of light.

2,030,430
HAIR WAVING APPLIANCE
Thelma H. Zinn, Columbus, Ohio
Original application March 23, 1934, Serial No. 717,049. Divided and this application June 6, 1935, Serial No. 25,285
2 Claims. (Cl. 132—33)



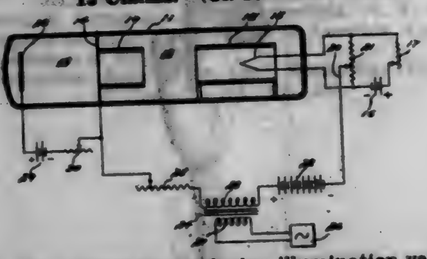
1. An appliance for waving hair on the scalp, comprising a bar having a longitudinal groove in its forward edge, a metallic rod coextensive with the forward edge of said bar, a pivotal connection uniting said rod to said bar for turning movement toward and away from the grooved edge of the bar, a roll of compressible material surrounding said rod, a latch member pivotally connected in permanently secured relationship with the end of said bar opposed to the end thereof pivotally carrying said rod, said latch being shouldered at its outer end to engage with the adjoining end of said rod, and spring means cooperative with said latch for positively maintaining the shouldered end thereof in holding engagement with said rod.

2,030,431
DEVICE FOR APPLYING LUMINESCENT TUBES TO POWER TRANSMISSION LINES
Jean-Baptiste Joseph Marcel Abadie, Paris, France
Application March 11, 1933, Serial No. 660,298
In France March 17, 1931
5 Claims. (Cl. 177—352)



2. A beacon light comprising a gaseous discharge tube element, an electrical connecting element between said tube and a power line, a circuit completing element, and a water repellent member disposed at a point intermediate the ends of said tube and making water tight connection therewith to prevent the accumulation of a short-circuiting water film, said member comprising a collar provided with a water repellent surface.

2,030,432
GLOW TUBE CONTROL SYSTEM
David Applebaum, Los Angeles, Calif.
Application December 14, 1931, Serial No. 580,814
13 Claims. (Cl. 176—124)

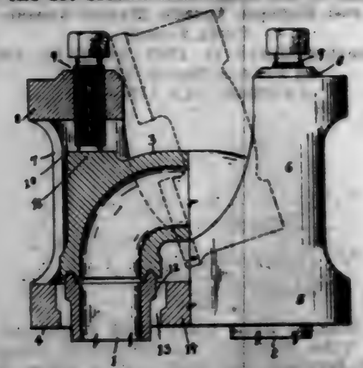


1. In a device for producing illumination varying rapidly in accordance with electrical impulses, means defining an evacuated space, a cathode and an anode in the space, means enclosing an ionizable gas atmosphere adjacent the space and separated from it by an electron pervious window, means producing a steady space charge between the cathode and anode, sufficient to cause electrons to excite the gas to a state of luminescence, and means for supplying a supplemental space charge in accordance with the electrical impulses.

2,030,433
RETURN BEND FOR CRACKING STILLS
Charles E. Ard, Birmingham, Ala., assignor to Fred C. Fantz, Webster Groves, Mo.
Application January 25, 1933, Serial No. 653,393
2 Claims. (Cl. 285—20)

1. In a refinery apparatus, a conventional return bend adapted to connect a pair of shouldered still tubes so as to provide a passageway therethrough, said tubes being demountably mounted in a housing for said return bend, said housing having annular portions, upwardly extending arcuate side walls integral with said annular portions and having integral connecting walls at their top, which form an inverted U, screws mounted in said connecting portions of the U,

said connecting portions being spaced from the annular portions a sufficient distance whereby when the set screws are raised the return bend



can be inserted and removed from inside the housing, the inner ends of said set screws abutting the return bend to force it against the ends of the tubes to form a leak-proof joint.

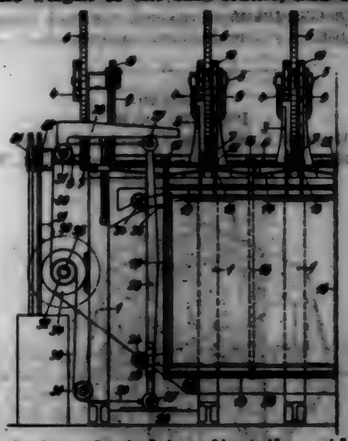
2,030,494
CLEANING DEVICE
Bertha M. Birtley and Charles E. Birtley, Hollywood, Calif.
Application April 30, 1935, Serial No. 19,066
4 Claims. (Cl. 15—227)



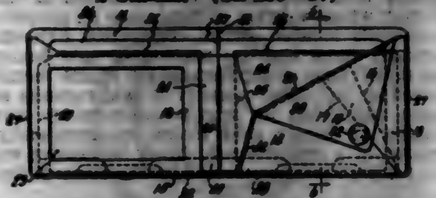
1. A device of the character described, comprising; a flexible and impervious covering for the hand of a user; and a flexible pad on the outer surface of the covering; the body of the pad being of erasive rubber-like material having spaced absorbent fibres embedded therein and held thereby; and said fibres being exposed at the outer surface of the pad, and extending obliquely inwardly therefrom.

2,030,495
EMBROIDERING MACHINE
Max Bretschneider, Plauen, Germany
Application October 26, 1930, Serial No. 490,027
In Germany October 24, 1929
10 Claims. (Cl. 112—86)

1. In an embroidering machine the combination of a reciprocating rod with needles, a carrier bar with shuttles cooperating with the needles, fabric rollers, a frame for fixing therein the fabric to be embroidered and consisting of longitudinal girders, side portions and struts connecting the said longitudinal girders and serving as bearing for the fabric rollers, supporting devices on the said frame struts and side portions, carrier members adapted to support the said struts and side portions of the said frame, a suspension device carrying the said carrier members and adapted to bear the weight of the said frame, and an automatic device adapted to adjust the said suspension device.



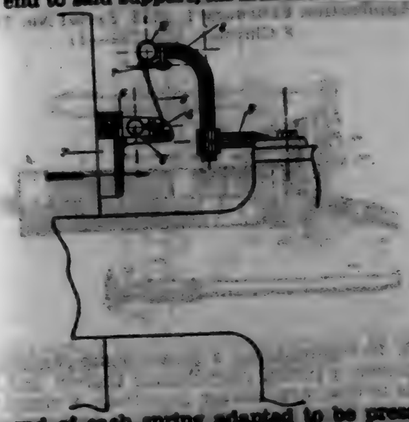
2,030,496
FLEXIBLE POCKET RECEPTACLE
Warner R. Burton, Longmeadow, Mass.
Application March 20, 1933, Serial No. 662,238
2 Claims. (Cl. 150—37)



1. A flexible pocket receptacle, comprising an outer wall having intermediate its ends a transverse line of fold, a flap foldably connected to one side edge of said wall and disposed wholly on one side of said line of fold, a wall secured to the rear side of said flap to form therewith and therebetween a coin pocket, said flap and the wall attached thereto being folded over and upon the outer wall and secured along its outer end edge only to the outer wall, said flap being greater in area than the wall attached thereto and having a triangular gusset portion disposed intermediate two other portions of the flap and enabling the last named portions to be folded in partially overlapping relation with the gusset portion therebetween so that the projected area of the folded flap substantially equals the area of the wall attached thereto, a member interposed between said outer wall and the rear wall of the coin pocket and secured to the outer wall, a corresponding member secured to the outer wall on the other side of said line of fold, said members spaced from said line of fold and forming end sections of an inner wall between which and the outer wall bills are adapted to be placed, and a central inner wall section bridging the gap between said end sections and slidable relatively to at least one thereof.

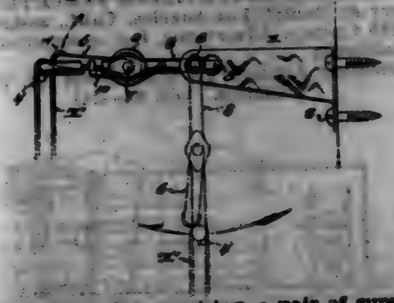
2,030,497
FEELER DEVICE FOR LOOMS
Juan Picaflel Campo, Sabadell, Spain
Application August 26, 1933, Serial No. 686,865
In Switzerland June 21, 1933
3 Claims. (Cl. 139—372)

1. A loom weft-feeler device, comprising in combination with the lay, the breast beam of the loom and the metal sleeve of the cop bobbin, a support of insulating material carried by said breast beam and adapted to be moved back by the lay in its movement towards said breast beam, two spring wires spirally wound about and fixed at one end to said support, an arm formed at the



other end of each spring adapted to be pressed into contact with the metal sleeve of the cop bobbin by the spirally wound portion of the wires, and an electric circuit connected to said arms and adapted to be closed by the contacting of said arms against said metal sleeve.

2,030,498
TOWEL RACK
Anton J. Chmurski, Milwaukee, Wis.
Application June 7, 1934, Serial No. 729,459
4 Claims. (Cl. 211—89)



1. A towel rack comprising, a pair of supporting brackets provided in their ends with horizontal keyhole slots, a U-shaped rack bar having its ends terminating in lateral flattened pintles projecting into said keyhole slots for pivotal movement in one portion of the slots and locking engagement against pivotal movement in the other portion of said slots.

2,030,499
SLIP
Walter L. Church, Houston, Tex.
Application November 10, 1933, Serial No. 697,364
9 Claims. (Cl. 24—243)



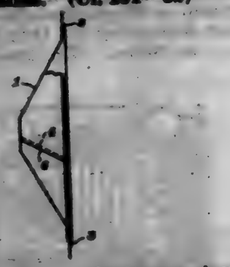
1. In a pipe holding slip a segment having an enclosed, unobstructed drain channel therethrough.

2,030,500
METHOD OF MAKING HOLLOW HEAD VALVES
Archie T. Colwell, Cleveland, Ohio, assignor to Thompson Products Incorporated, Cleveland, Ohio, a corporation of Ohio
Original application February 19, 1931, Serial No. 516,382, now Patent No. 1,984,728, dated December 18, 1934. Divided and this application November 19, 1934, Serial No. 753,595
7 Claims. (Cl. 29—156.7)



1. The method of making a valve which comprises forming a cup-shaped blank with an enlarged bottom, the recess in the cup-shaped blank being also enlarged at the bottom, forging said cup-shaped blank so as to form a head with a cavity therein and a solid stem portion extending therefrom and so as to leave a thickened portion adjacent the end and intermediate the head and end of the stem, drilling out said stem, reworking the stem so as to form partitions from the thickened portions at the end and intermediate the end and head of the valve, boring apertures through said partitions, introducing a fusible cooling medium into the valve, and plugging up the apertures in said partitions.

2,030,501
LOUDSPEAKER CONE DIAPHRAGM AND METHOD OF PRODUCING SAME
David H. Cunningham, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1934, Serial No. 709,111
12 Claims. (Cl. 181—32)

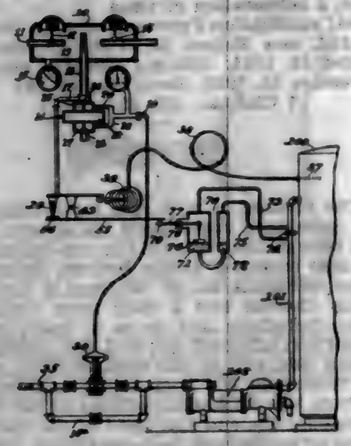


1. As an article of manufacture, a circular sheet of fibrous material from which a sector has been cut away and from an annular surface near the periphery of which a substantial portion of the thickness has been removed.

2,030,502
CONTROL MECHANISM
Edward T. Dahl, Randolph, Mass., assignor, by mesne assignments, to Eldon Macleod, Westwood, and Frank A. Morrison, Newton, Mass., and Cameron Macleod, Berwyn, Pa., Leslie Soule, Dedham, and Sullivan A. Sargent, Jr., Needham, Mass., trustees, doing business as Mason-Neilan Regulator Company, Boston, Mass.
Application September 20, 1932, Serial No. 635,568
20 Claims. (Cl. 236—18)

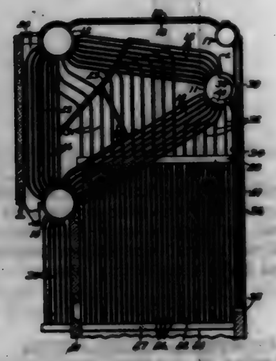
1. In a control system, a medium subjected to changes in temperature, a second medium acting on the first medium to regulate its temperature and supplied by a power-operated pump, a source of power supply for operating the pump, a control valve on the power supply line controlling the

supply of power to the pump, an independent pressure system for operating said control valve, an instrument responsive to changes in temperature of the first medium, a second instrument



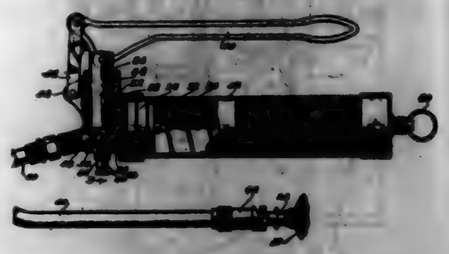
responsive to changes in rate of flow of the second medium, and means operated by the resultant action of said instruments for controlling the independent pressure system and hence the supply of the second medium.

2,030,563
STEAM BOILER
Fred H. Daniels, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application September 13, 1933, Serial No. 689,296
5 Claims. (Cl. 122—235)



1. A steam boiler comprising a transverse horizontal water drum, a lower bank of tubes connected to the drum and extending rearwardly and downwardly therefrom, an upper bank of tubes connected to the drum and extending rearwardly and upwardly therefrom, a furnace wall at the front of the drum, water wall tubes associated with the wall and connected to the drum, a partition mounted within the drum and cooperating with the front wall of the drum to form a passage leading from the water wall tubes to tubes in the upper portion of the upper tube bank, and downcomer tubes arranged to supply water from the main portion of the drum to the water wall tubes.

2,030,564
METHOD OF LUBRICATION AND APPARATUS THEREFOR
Ernest W. Davis, Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application February 7, 1934, Serial No. 710,851
8 Claims. (Cl. 184—1)



5. In combination, a grease pump comprising a cylinder, a piston reciprocable therein and operable to discharge grease therefrom, a check valve for admitting air to said cylinder, and a relatively weak spring normally holding said valve closed but openable upon a pressure difference of the order of five pounds per square inch to permit admission of a regulated quantity of air to said cylinder upon the suction stroke of said piston, whereby the admitted air may mix with the grease in said cylinder and be discharged therewith from the pump cylinder.

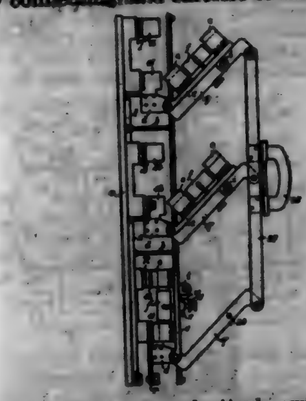
2,030,585
OUTDOOR ADVERTISING STRUCTURE
Henry de Roulet, Los Angeles, Calif., assignor to 20th Century Advertising, Inc., a corporation of California
Application January 31, 1934, Serial No. 709,967
8 Claims. (Cl. 88—24)



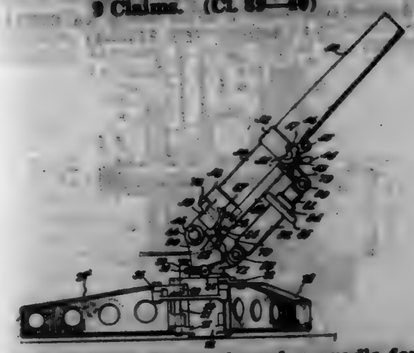
1. An advertising apparatus comprising a structure formed with a proscenium having an opening therein, a translucent screen mounted in said opening for receiving pictures on the reverse side thereof which are visible on the obverse side thereof, means for horizontally adjusting and for inclining said screen in said opening selectively, and means at the front of said opening for closing said screen against access.

2,030,591
DISTRIBUTION BOARD WITH FUSES ADAPTED TO BE CUT OUT BY HAND
Fritz Driescher, Rheydt, Germany
Application February 2, 1933, Serial No. 590,494
In Germany June 1, 1931
1 Claim. (Cl. 200—114)

A distribution board with fuses arranged one above the other and adapted to be cut out by hand, comprising in combination a base plate, fuse carriers hingedly connected to said base plate, a switch bar, spring bolts detachably and flexibly connecting said carriers to said bar to allow said carriers to be selectively switched in and out individually and jointly by said bar.



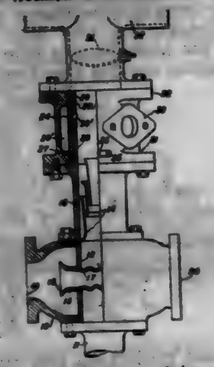
2,030,587
GUN OF THE MORTAR HOWITZER TYPE
Louis L. Driggs, New Rochelle, N. Y., assignor to Roberts Whiting Driggs, New Rochelle, N. Y.
Application November 29, 1932, Serial No. 644,368
Renewed July 15, 1935
9 Claims. (Cl. 89—40)



1. A gun comprising a barrel, a cradle for the rear end portion of the barrel and pivotally connected thereto at the forward end of the cradle, a breech block on the rear end of the cradle, means for interlocking the barrel and the breech block in registering position, a gun mount having a rotatable support pivotally connected to the rear side of the breech block and upon which the barrel and cradle are adapted to swing, and a counterpoised support disposed between said post and the cradle for adjusting and retaining the cradle at the desired elevation upon the pivot of the breech block.

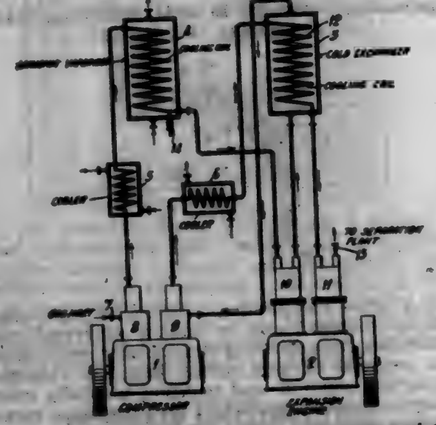
2,030,596
FUEL PREHEATING AND MIXING APPARATUS FOR INTERNAL COMBUSTION ENGINES
William Stuart Falconer, Flinders East, near Melbourne, Victoria, Australia, assignor to International Motor Patents Proprietary Limited, Melbourne, Victoria, Australia, a company of Australia
Application October 12, 1934, Serial No. 748,966
In Australia August 17, 1934
3 Claims. (Cl. 123—119)

1. In a fuel-supplying system for internal combustion engines, a mixing chamber comprising a casing having a pair of inlet openings, a circumferentially movable tubular member mounted in said casing and separating said openings, said member having ports communicating with said openings, a stationary tubular member disposed concentrically within said movable member, and



having ports adapted to register with the ports of the first member which communicate with one of said openings while the wall of the inner member closes the ports communicating with the other opening, and means for moving the movable member from one communicating position to the other.

2,030,599
PROCESS AND APPARATUS FOR COOLING GASEOUS MIXTURES
Mathias Fränkl, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y., a corporation of Delaware
Application July 19, 1932, Serial No. 623,345
9 Claims. (Cl. 62—123)

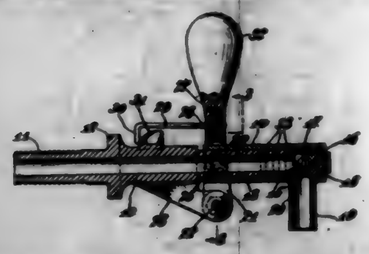


7. In a process for cooling a gaseous mixture prior to separation into components, the improvement which comprises compressing a gaseous mixture, cooling said compressed mixture, then cooling the gaseous mixture compressed a second time by heat exchange with said first cooled mixture, and further cooling the thus cooled compressed gaseous mixture by an expansion with external work.

2,030,514
FAUCET
William U. Griffiths, Philadelphia, Pa.
Application September 18, 1933, Serial No. 689,538
Renewed July 2, 1935
2 Claims. (Cl. 251—5)

1. In a faucet structure, a tubular body member having a valve seat on one end thereof, a

reciprocating sleeve mounted on said body member and having its outer end extending beyond said valve seat, a lateral spout on said sleeve near the outer end thereof, a valve in the outer end of the said sleeve for engagement with said valve seat upon the inward movement of said sleeve, a lateral projection on one side of said body member near the inner end of said sleeve, a pivoted yoke member having the free ends thereof



connected to said projection and the intermediate portion connected to said sleeve to effect reciprocation thereof, a handle on said yoke, a beveled keeper on said body member opposite said projection, and a flat spring latch on said yoke having a hook on the free end thereof movable into and out of engagement with said keeper upon manipulation of said handle to hold said valve in closed position and release the same.

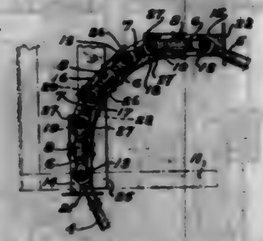
2,030,511

MOTION-TRANSMITTING MECHANISM

Earl B. Graber, Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin

Application November 15, 1934, Serial No. 753,077

13 Claims. (Cl. 64—1)



1. A drive comprising, a series of rigid shaft sections disposed end to end, a universal joint connecting the adjoining ends of each set of adjacent sections of said series, bearings rotatably supporting some of said sections, pivotally interconnected plates supporting said bearings, means coacting with said plates for limiting the angular displacement afforded by each of said joints to a proportionate share of the total angular displacement of the drive when the latter is at the extreme limit of displacement, and resilient means for biasing said sections into axial alinement.

2,030,512

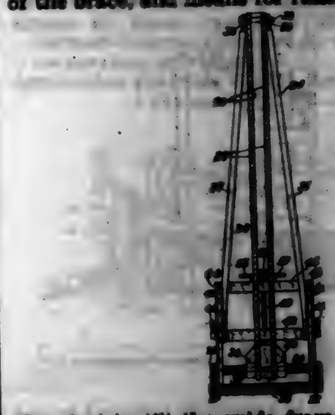
MOUNTING FOR ROCK DRILLS

Charles C. Hansen, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application August 22, 1934, Serial No. 741,647

2 Claims. (Cl. 255—51)

1. A mounting for rock drills, comprising a support, a guide frame for a rock drill pivoted to the support, a brace pivotally connected with one end to the guide frame, a pivot for the other end of the brace, and means for raising and lowering



the pivot to tilt the guide frame with respect to the support.

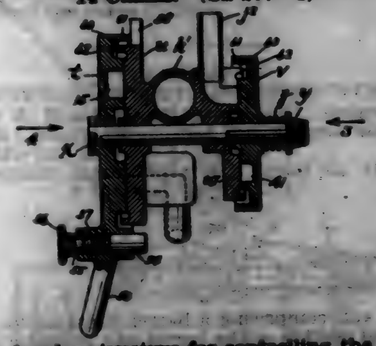
2,030,513

VALVE FOR CONTROLLING FLOW OF MILK AND AIR IN MILKING MACHINES

Cyrus Howard Hapgood, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application June 2, 1932, Serial No. 615,119

14 Claims. (Cl. 277—4)



1. A valve structure for controlling the flow of fluid, which comprises a valve block having two pairs of ports and a valve turnable on the valve block and having two elongated recesses, said recesses and ports being so disposed that the valve is turnable into one position to establish communication through one recess between one pair of ports, into another position to establish connection through the other recess between the other pair of ports, and into a third position to simultaneously connect through the second named recess the first named pair of ports and through the first named recess the second named pair of ports.

2,030,514

REFRIGERATING CONSTRUCTION

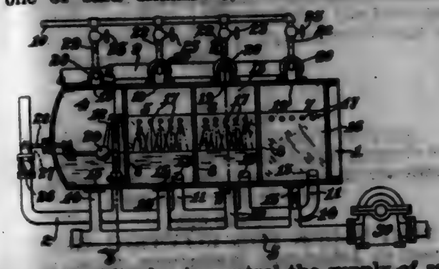
Frederick H. Hibbard, Rumson, N. J., George H. Woodard, Phillipsburg, N. J., and John Kirgan, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application March 23, 1934, Serial No. 716,946

8 Claims. (Cl. 62—152)

1. A refrigerating construction comprising an evaporator to receive a liquid refrigerant, said evaporator containing a plurality of chambers,

a well in each of said chambers, means for admitting said liquid refrigerant to said wells to be discharged from the upper portions thereof in said chambers, said means containing a valve outside of said evaporator, a regulating element in one of said chambers, connections between



same and said valve to control the supply of said liquid refrigerant and render it independent of the rate of outflow of said chambers, a common delivery pipe connected to said chambers and means for removing vaporized refrigerant from said chambers.

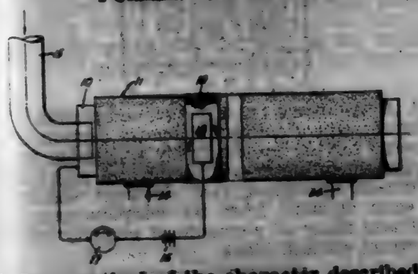
2,030,515

METHOD OF MANUFACTURING NONCORROSIVE ARMORED METAL PIPE

Warren A. Kramer, San Francisco, Calif., assignor to Cement Wrapped Pipe Company, Ltd., San Francisco, Calif., a corporation of Arizona

Application January 4, 1933, Serial No. 650,968

4 Claims. (Cl. 91—70)



1. In a method of the character described for the manufacture of coated metal pipe, applying a covering of bitumen pitch to one surface of the pipe, applying a wet mix of hydraulic concrete mortar on top of said covering, and then increasing the dielectric strength of the composite coating by heating the metal pipe to a temperature sufficient to cause flow of the bitumen pitch without decomposition of the same.

2,030,516

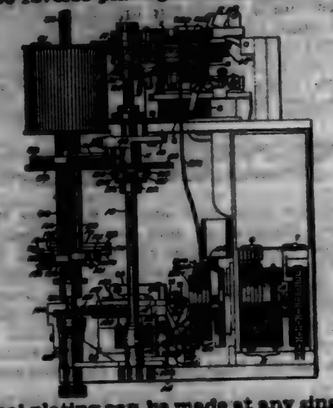
JACQUARD PATTERN MECHANISM FOR KNITTING MACHINES AND METHOD OF PATTERNING EFFECTED THEREBY

Robert H. Lawson, Pawtucket, and Arthur N. Cloutier and Alfred L. Hutton, Jr., Lonsdale, R. I., assignors to Hemphill Company, Pawtucket, R. I., a corporation of Massachusetts

Application January 5, 1933, Serial No. 650,390

40 Claims. (Cl. 66—46)

1. A circular knitting machine having independent needles and having means to feed a plurality of yarns thereto in a plating relation, sinkers cooperating with one or more of the yarns to effect change from normal plating to reverse plating, or vice versa, and a jacquard or selector member having means to control the sinkers individually for each needle wale in each course of an extended fabric, whereby changes from normal to reverse plating or from reverse plating



to normal plating can be made at any single stitch in any course of the fabric.

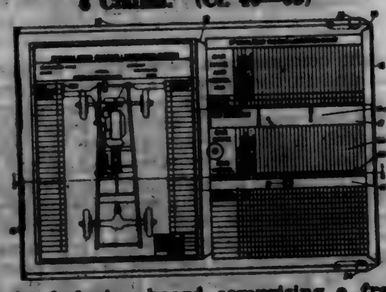
2,030,517

INDEXING SERVICE BOARD

Leonard Cleveland Eldridge and Benjamin Goodall Symon, St. Louis, Mo., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Refiled for abandoned application Serial No. 569,236, January 20, 1932. This application November 21, 1932, Serial No. 643,782. Renewed July 8, 1935. In Canada April 11, 1932

6 Claims. (Cl. 40—65)



1. An indexing board comprising a frame, a chart mounted in said frame, and a movable member slidably engaged on said frame, said movable member possessing a slot therein as well as a protruding element whereby relative motion is caused between the member and the frame, said slot being positioned over the chart so as to expose certain indicia thereon.

2,030,518

CONCRETE CONSTRUCTION

Francis Walter Guibert, Beverly Hills, Calif.

No Drawing. Application November 27, 1933, Serial No. 699,975

4 Claims. (Cl. 106—94)

1. The process which comprises mixing in separate batches, a mixture of hydraulic cement and water, and a mixture of the remaining constituents of concrete, adding an oily material to the said remaining constituents, and mixing the two batches.

2,030,519

HEAT DISTRIBUTING MEANS

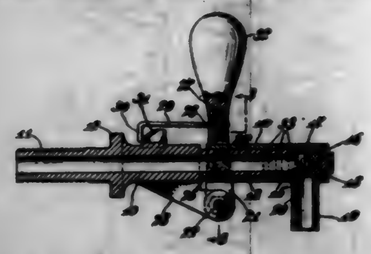
Karl M. Hamilton, Chicago, Ill.

Application August 1, 1933, Serial No. 683,183

5 Claims. (Cl. 126—215)

1. In a device of the character described, an outer annular shell of dished shape, a central in-

reciprocating sleeve mounted on said body member and having its outer end extending beyond said valve seat, a lateral spout on said sleeve near the outer end thereof, a valve in the outer end of the said sleeve for engagement with said valve seat upon the inward movement of said sleeve, a lateral projection on one side of said body member near the inner end of said sleeve, a pivoted yoke member having the free ends thereof



connected to said projection and the intermediate portion connected to said sleeve to effect reciprocation thereof, a handle on said yoke, a beveled keeper on said body member opposite said projection, and a flat spring latch on said yoke having a hook on the free end thereof movable into and out of engagement with said keeper upon manipulation of said handle to hold said valve in closed position and release the same.

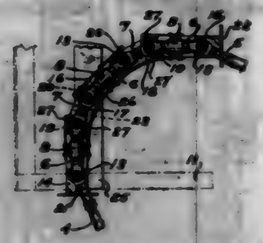
2,030,511

MOTION-TRANSMITTING MECHANISM

Earl R. Gruber, Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin

Application November 15, 1934, Serial No. 753,977

12 Claims. (Cl. 64—1)



1. A drive comprising, a series of rigid shaft sections disposed end to end, a universal joint connecting the adjoining ends of each set of adjacent sections of said series, bearings rotatably supporting some of said sections, pivotally interconnected plates supporting said bearings, means coacting with said plates for limiting the angular displacement afforded by each of said joints to a proportionate share of the total angular displacement of the drive when the latter is at the extreme limit of displacement, and resilient means for biasing said sections into axial alinement.

2,030,512

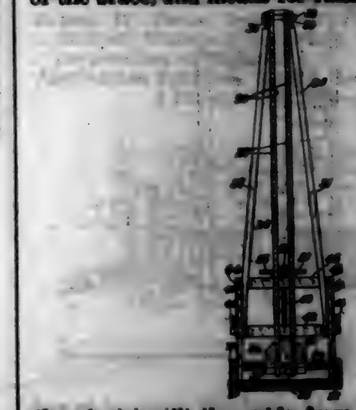
MOUNTING FOR ROCK DRILLS

Charles C. Hansen, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application August 22, 1934, Serial No. 741,047

1 Claim. (Cl. 255—61)

1. A mounting for rock drills, comprising a support, a guide frame for a rock drill pivoted to the support, a brace pivotally connected with one end to the guide frame, a pivot for the other end of the brace, and means for raising and lowering



the pivot to tilt the guide frame with respect to the support.

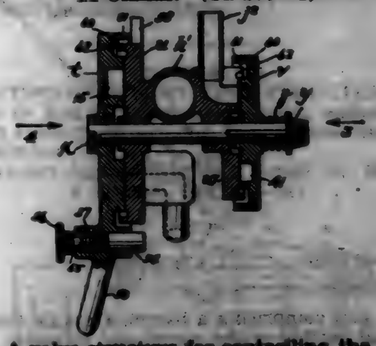
2,030,513

VALVE FOR CONTROLLING FLOW OF MILK AND AIR IN MILKING MACHINES

Cyrus Howard Hapgood, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application June 2, 1933, Serial No. 675,119

14 Claims. (Cl. 277—4)



1. A valve structure for controlling the flow of fluid, which comprises a valve block having two pairs of ports and a valve turnable on the valve block and having two elongated recesses, said recesses and ports being so disposed that the valve is turnable into one position to establish communication through one recess between one pair of ports, into another position to establish connection through the other recess between the other pair of ports, and into a third position to simultaneously connect through the second named recess the first named pair of ports and through the first named recess the second named pair of ports.

2,030,514

REFRIGERATING CONSTRUCTION

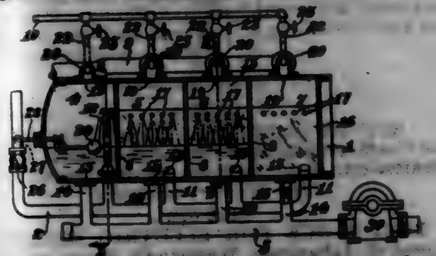
Frederick H. Hibbard, Bayside, N. Y., George H. Woodard, Phillipsburg, N. J., and John Kirgan, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application March 22, 1934, Serial No. 716,346

2 Claims. (Cl. 62—122)

1. A refrigerating construction comprising an evaporator to receive a liquid refrigerant, said evaporator containing a plurality of chambers,

a well in each of said chambers, means for admitting said liquid refrigerant to said wells to be discharged from the upper portions thereof in said chambers, said means containing a valve outside of said evaporator, a regulating element in one of said chambers, connections between



same and said valve to control the supply of said liquid refrigerant and render it independent of the rate of outflow of said chambers, a common delivery pipe connected to said chambers and means for removing vaporized refrigerant from said chambers.

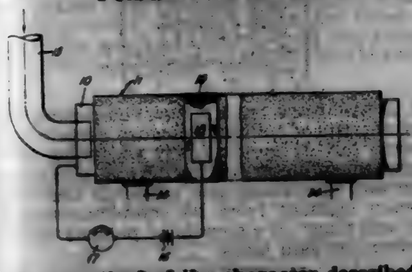
2,030,515

METHOD OF MANUFACTURING NONCORROSIVE ARMORED METAL PIPE

Warren A. Kramer, San Francisco, Calif., assignor to Cement Wrapped Pipe Company, Ltd., San Francisco, Calif., a corporation of Arizona

Application January 4, 1933, Serial No. 650,648

4 Claims. (Cl. 91—70)



1. In a method of the character described for the manufacture of coated metal pipe, applying a covering of bitumen pitch to one surface of the pipe, applying a wet mix of hydraulic concrete mortar on top of said covering, and then increasing the dielectric strength of the composite coating by heating the metal pipe to a temperature sufficient to cause flow of the bitumen pitch without decomposition of the same.

2,030,516

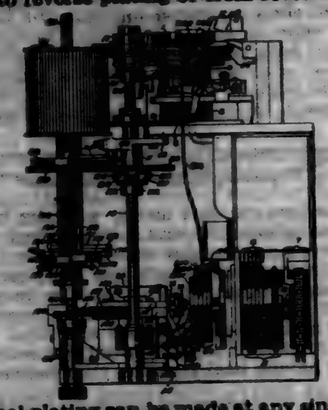
JACQUARD PATTERN MECHANISM FOR KNITTING MACHINES AND METHOD OF PATTERNING EFFECTED THEREBY

Robert H. Lawson, Pawtucket, and Arthur N. Cloutier and Alfred L. Hutton, Jr., Lonsdale, R. I., assignors to Hemphill Company, Pawtucket, R. I., a corporation of Massachusetts

Application January 3, 1933, Serial No. 650,290

40 Claims. (Cl. 66—49)

1. A circular knitting machine having independent needles and having means to feed a plurality of yarns thereto in a plating relation, sinkers cooperating with one or more of the yarns to effect change from normal plating to reverse plating, or vice versa, and a jacquard or selector member having means to control the sinkers individually for each needle wale in each course of an extended fabric, whereby changes from normal to reverse plating or from reverse plating



to normal plating can be made at any single stitch in any course of the fabric.

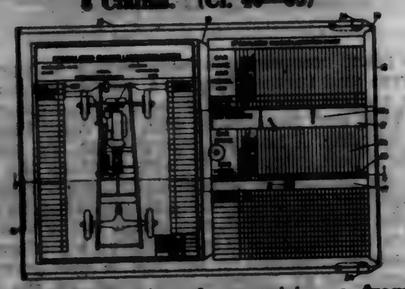
2,030,517

INDEXING SERVICE BOARD

Leonard Cleveland Eldridge and Benjamin Goodall Symons, St. Louis, Mo., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Refiled for abandoned application Serial No. 589,536, January 30, 1932. This application November 21, 1932, Serial No. 643,782. Renewed July 8, 1935. In Canada April 11, 1932

6 Claims. (Cl. 40—65)



1. An indexing board comprising a frame, a chart mounted in said frame, and a movable member slidably engaged on said frame, said movable member possessing a slot therein as well as a protruding element whereby relative motion is caused between the member and the frame, said slot being positioned over the chart so as to expose certain indicia thereon.

2,030,518

CONCRETE CONSTRUCTION

Francis Walter Guilbert, Beverly Hills, Calif.

No Drawing. Application November 27, 1933, Serial No. 699,975

4 Claims. (Cl. 106—84)

1. The process which comprises mixing in separate batches, a mixture of hydraulic cement and water, and a mixture of the remaining constituents of concrete, adding an oily material to the said remaining constituents, and mixing the two batches.

2,030,519

HEAT DISTRIBUTING MEANS

Karl M. Hamilton, Chicago, Ill.

Application August 1, 1933, Serial No. 682,182

3 Claims. (Cl. 126—315)

1. In a device of the character described, an outer annular shell of dished shape, a central in-

verted conical shell, and means carried by said outer shell for supporting said conical shell on said outer shell in spaced relation, the inner peripheral edge of said outer shell overlapping the peripheral edge of said conical shell, whereby to provide an annular heat directing passage, the peripheral edge of at least one of said shells being disposed to support a cooking utensil over



the space between said shells, whereby heat entering the opening of said annular shell will be discharged in an annular region against the bottom of the cooking utensil, the peripheral edge of said conical shell having one or more heat discharge outlets, said central shell comprising an outer annular member and a central conical member supported on said annular member, said members having heat passages therebetween.

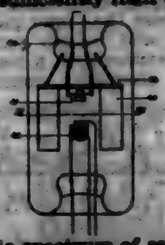
2,030,520
POWER PLANE
Gus Helmrath, New Waterford, Ohio
Application June 6, 1935, Serial No. 25,329
1 Claim. (Cl. 145—5.1)



A plane comprising a base having an opening therein and further having a socket therein, rotary cutters mounted for vertical movement of the base and engageable with the work through the opening, a housing mounted on the base, a vertical post extending slidably through the base and the housing, a substantially convex head on the lower end of said post engageable with the work for elevating said post, the socket in the base being for the reception of said head, an adjusting nut threadedly mounted on the post, a lever pivotally mounted, at an intermediate point, on the base and having one end operatively connected to the cutters and its other end operatively connected to the adjusting nut, said lever constituting means for connecting the cutters to the post and to the adjusting nut for raising and lowering said cutters, and a spring in the housing operatively connected to the post for yieldingly urging said post downwardly for elevating the cutters when the plane is disengaged from the work.

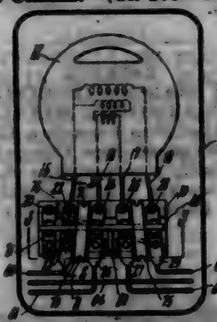
2,030,521
ELECTRIC DISCHARGE TUBE
Gustav Ludwig Horst, Eindhoven, Netherlands, assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application October 19, 1934, Serial No. 744,413.
Renewed February 4, 1935. In France November 30, 1933
10 Claims. (Cl. 176—122)

9. An electric lamp comprising a light-transmitting bulb, electrodes therein including a cathode comprising an electron emitting metal compound, a charge of rare gas having a pressure of the order of about one millimeter, and a quantity of vaporizable metal in said bulb, said lamp being constructed to operate with an arc discharge between said electrodes at a temperature at which the metal vapor in the path of said discharge has a sufficiently high density to cause



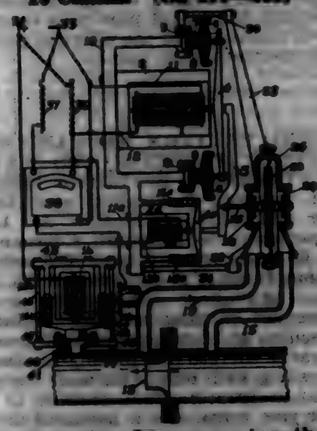
the characteristic spectrum of said metal to predominate in light radiated by said lamp.

2,030,522
TEST-BLOCK FOR ELECTRIC METERS
Ernest G. Johannsen, Watertown, Mass., assignor to The Palmer Electric & Manufacturing Co., Waltham, Mass., a corporation of Massachusetts
Application March 30, 1932, Serial No. 603,523
16 Claims. (Cl. 175—183)



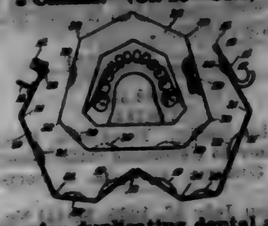
13. A test-block for a meter, comprising a plurality of pairs of contact elements, certain of said elements having means freely accessible for the attachment of meter-testing devices, and insulating means separating said elements and shielding each element from its complementary element and from all elements of polarity different therefrom on said block.

2,030,523
CARBON PILE METER
John Donald Keller, Pittsburgh, Pa.
Application October 8, 1930, Serial No. 487,469
10 Claims. (Cl. 177—351)



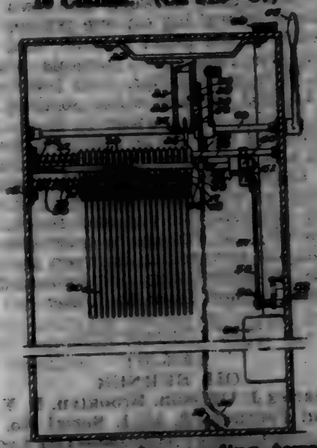
10. In apparatus for measuring the flow of fluids, means producing a force which is substantially proportional to the square of the rate of flow, an electric circuit, a compressible solid body whose electrical characteristics are variable in response to changes in pressure included in said circuit, means absorbing part of said force, the fraction of said force absorbed by said means increasing at a greater rate than the increase of said force, and means transmitting the force produced by the fluid flow both to said solid body and to the absorbing means.

2,030,524
ORTHODONTIA MOLDING DEVICE
Rayner Lambert, Brooklyn, N. Y.
Application October 12, 1933, Serial No. 693,553
2 Claims. (Cl. 18—34.1)



1. A frame for duplicating dental models comprising rigid parts directly hinged together and having walls of uniform height to enclose a model and leave space around the sides and over the teeth of the model for the reception of a gelatinous mold-forming substance, said frame having integral means for repositioning the mold after the model has been removed and said walls having a smooth inner surface, and integral inwardly projecting wedge shaped lugs on the inner surfaces of the walls adapted to hold the solidified mold when plaster is being poured and shaken in.

2,030,525
TOWEL VENDING MACHINE
Harry F. Mayfield, Anderson, S. C.
Application June 26, 1934, Serial No. 732,502
10 Claims. (Cl. 312—37)



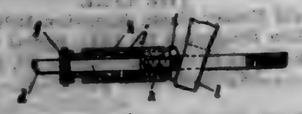
5. In a machine for vending towels having grommets, a rod to receive the grommets thereon and having a free end, a flexible element attached to such free end, a second rod arranged near the first named rod and extending longitudinally thereof said projecting beyond the free end for a substantial distance, ejector elements permanently mounted upon the second named rod to move longitudinally thereof and having parts arranged between the towels in alternate relation therewith, and means to engage the leading ejector element to shift the same toward the free end of the grommet receiving rod.

9. In a machine for vending articles, a guide rod, article holding means having a portion thereof arranged generally parallel with the guide rod and a portion projecting laterally from the guide rod, ejector elements slidably mounted upon the guide rod and alternately arranged with relation to the articles and having parts projecting between the articles, the arrangement being such that when the leading ejector element moves forwardly upon its guide rod the corresponding leading article will move upon the laterally projecting portion of the guide means and will be separated from such ejector element, and releasable means for detachable engagement with the leading ejector element.

2,030,526
PROCESS FOR CONCENTRATING ALL KINDS OF PRECIOUS METAL ORES BY FROTH FLOTATION
Carl Gottfried Rudolf Meiser, Langenberg, Germany
No Drawing. Application April 17, 1935, Serial No. 16,824. In Great Britain December 22, 1933
5 Claims. (Cl. 209—166)

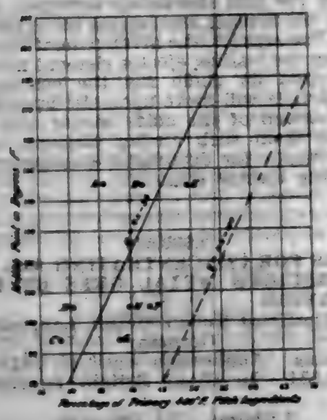
1. In the process of treating precious metal containing ores which comprises subjecting the ore pulp to the action of a reagent selected from the group consisting of the sulphides and sulpho salts of copper, lead, silver, mercury, said reagent being present in a coagulated colloidal condition, and subjecting the mass to froth flotation.

2,030,527
DEVICE FOR SIMULTANEOUSLY REGULATING THE PRESSURE OF A SERIES OF PRESSURE ROLLS ADJACENT A HEATING TABLE
Hans Meyer, Altona-Bahrenfeld, Germany
Application December 5, 1934, Serial No. 756,189
In Germany June 19, 1933
4 Claims. (Cl. 154—1)



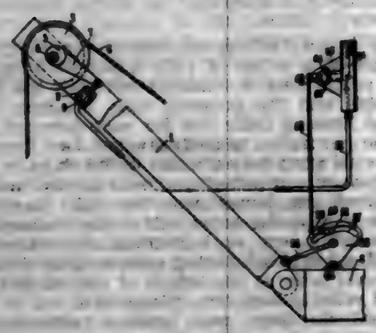
1. A device for simultaneously regulating the pressure of a series of rolls adjacent a heating table, comprising in combination with the heating table and the pressure rolls, brackets fixed on said heating table one for each pressure roll, an axle journalled in each bracket, two forwardly directed arms for each roll keyed on each axle, a downwardly directed and rearwardly inclined bifurcated arm keyed near the right hand end of each axle at the outer side of the corresponding carrying arm, a horizontal rod extending through all said bifurcated arms a short distance above said table at the height of the central axis of said rolls, means for shifting said rod in longitudinal direction, and loading regulators on said rod one for each roll arranged behind the corresponding bifurcated arm and adapted to exert a resilient pressure on said bifurcated arms and, through the same on said rolls, the distance between the rolls and the table remaining the same.

2,030,528
BLENDED PITCH PRODUCT AND METHOD OF MAKING
Stuart Parmelee Miller, Englewood, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application July 24, 1933, Serial No. 682,634
In Canada July 19, 1928
12 Claims. (Cl. 196—152)



12. The method of producing a blended pitch product from coal tar which comprises distilling coal tar to pitch having a melting point above 250° F. by means of hot gases passing through a tar still wherein the tar and pitch produced therefrom are sprayed and resprayed from a body of the tar in the bottom of the still into the gases passing therethrough in the form of a fine intense spray having sufficient force to impinge against and wash the interior surfaces of the still whereby distillation is effected with a minimum of decomposition and blending the pitch while yet hot and fluid with a flux of the group consisting of coal tar, coal tar pitches, and coal tar oils.

2,030,529
SAFETY DEVICE FOR CRANES AND THE LIKE
Archibald Fraser Nash, Kingston Hill, England
Application December 22, 1931, Serial No. 582,666
In Great Britain December 29, 1930
3 Claims. (Cl. 116—114)



1. A safe load indicator for a lifting device of the kind having a member to which motion is imparted for varying the radius of lift, comprising a scale bearing member marked with graduations indicating load magnitudes, an indicator element in the form of a scale marked with indications "Safe", "Maximum" and "Danger", a cam pivotally mounted on the lifting device, a connection between the member to which motion is imparted for varying the radius of lift and the cam whereby by such variation motion will be imparted to the cam, a connection between the cam and the indicator element in the form of a scale marked with indications "Safe", "Maximum" and "Danger" adapted to move the said indicator element relatively to the scale bearing member in accordance with variation in the radius of lift, an indicator element in the form of a pointer, a weight sensitive device and an operative connection between said weight sensitive device and the pointer adapted to move the pointer relatively to the scale bearing member in accordance with variations in the magnitude of the load being raised.

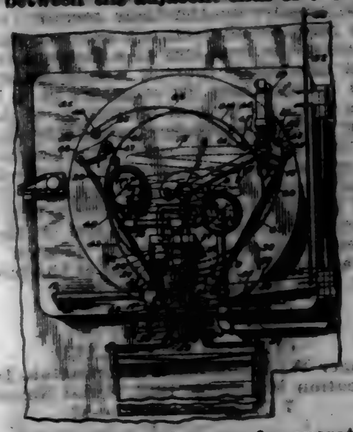
2,030,530
DRILL
Harry Charles Norley, Peterboro, Ontario, Canada, assignor to Canadian Atlas Steels Limited, Welland, Ontario, Canada, a corporation of Canada
Application July 26, 1935, Serial No. 33,250
11 Claims. (Cl. 255—64)



1. In a drill, the combination with a shank portion and a detachable bit portion, of a non-rotative connection between the two portions comprising a lateral lug on one portion received into a notch in the other portion, and coacting means on the respective portions adapted to interlock with each other, said portions being initially applied to each other so that the longitudinal axis of one portion is at an angle to the longitudinal axis of the other portion wherein the lug and notch and the interlocking means partially engage and finally such portions being so disposed that their longitudinal axes are coincident, wherein the lug and notch and the locking means fully engage to constitute respectively a driving connection between the portions and means for preventing longitudinal displacement of one portion from the other.

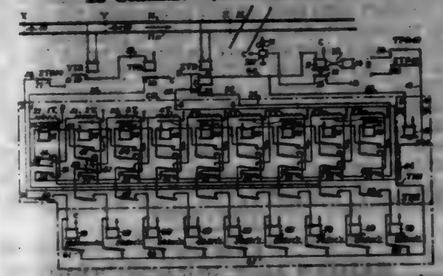
2,030,531
OIL BURNER
Charles J. Ohlsson, Brooklyn, N. Y.
Application February 2, 1931, Serial No. 512,982
4 Claims. (Cl. 158—1.3)

1. The combination with the nozzle of an oil burner furnace, said nozzle being formed to deliver fuel in a whirling spray, of a casing communicating at the inner end thereof with said furnace and including an outer end wall and a lateral series of curved plates surrounding the delivery portion of the nozzle, one end of each plate being located further inwardly, radially, than its other end for directing air toward the nozzle with a whirling motion, a series of shutters located between the adjacent ends of the curved



plates of the series, and means for operating the shutters.

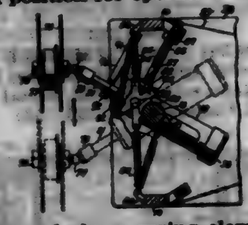
2,030,532
APPARATUS FOR THE CONTROL OF HIGHWAY CROSSING SIGNALS
James A. Parkinson, Topeka, Kans., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 24, 1935, Serial No. 17,974
15 Claims. (Cl. 246—130)



1. In combination, a stretch of railway track intersected by a highway, a highway crossing signal located adjacent the intersection, a speed measuring means controlled by a train approaching a fixed point in the rear of the intersection to register the speed of the train, a time measuring device including a series of individual electro-responsive timing units, means governed by the speed measuring means to selectively control said timing units in accordance with the registered speed, means controlled by the train upon reaching said fixed point to energize the particular timing unit selected, and circuit means governed by said timing units for setting the signal into operation and rendered effective when the selected unit has operated.

2,030,533
AUTOMATIC LUBRICATING MECHANISM
Robert Lee Pate, Jr., Pittsburg, Kans.
Application August 5, 1932, Serial No. 628,765
11 Claims. (Cl. 184—15)

1. Apparatus for lubricating moving equipment having spaced lubricant-receiving fittings, comprising a movable lubricating device in position for engagement by said fittings and operated by the travel thereof for feeding lubricant to the fittings, and means acting automatically between successive lubricating operations to set and latch said device comprising a stop element for limiting the return movement of the device into a predetermined position for operative engagement by



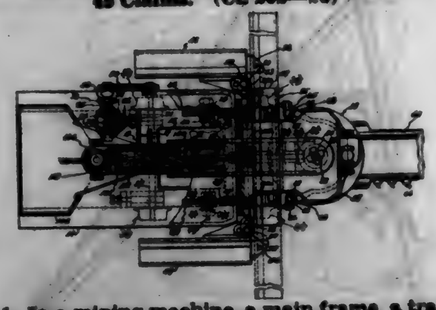
said fittings and also a spring element operative by wiping engagement with said device to prevent any rebound thereof from said predetermined position.

2,030,534
APPARATUS FOR DISPENSING LIQUID
Fred C. Ptell, Eggertsville, N. Y.
Application March 2, 1935, Serial No. 9,049
13 Claims. (Cl. 225—44)



1. An apparatus for dispensing liquid from a container comprising a valve body adapted to be mounted on the container and provided with a liquid discharge passage, a valve closure movable on said body into different positions for opening or closing said passage, and a baffle member mounted on said body so as to be movable in a plane parallel to the adjacent surface of the container and adapted in one position to permit said closure to be moved into a position which opens said passage, and in another position to hold said closure in a position which closes said passage.

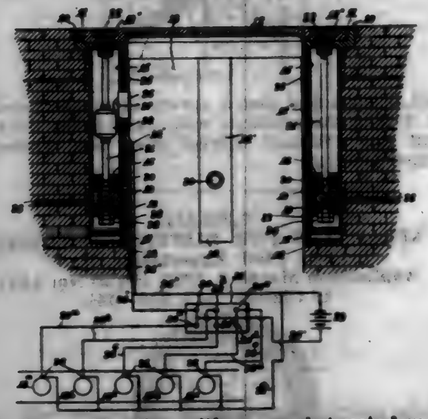
2,030,535
MINING MACHINE
Charles A. Pratt, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 22, 1931, Serial No. 559,869
45 Claims. (Cl. 262—26)



1. In a mining machine, a main frame, a transversely extending rectilinear guide member wholly supported by said main frame forwardly of the forward end thereof, and a chain carrying cutter bar wholly supported on said transversely extending guide member, said cutter bar being

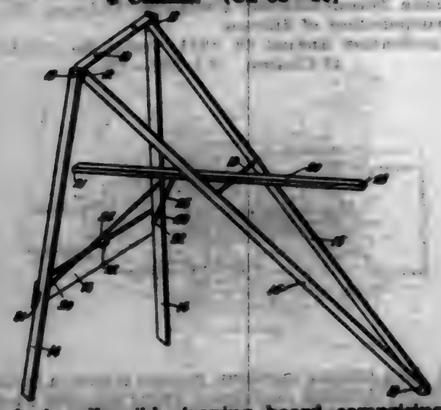
adapted to depend from said guide member and mounted thereon for translational and pivotal movement with respect thereto.

2,030,536
SAFETY DEVICE FOR MANHOLE COVERS
Charles E. Rego, East Boston, Mass.
Application September 27, 1932, Serial No. 691,162
5 Claims. (Cl. 200—52)



1. In combination with an unobstructed manhole located below the surface of a street or the like and in which a man may work; a cover therefor having a level upper face alined with said street surface; an annular seat for said cover; a rod depending from said cover; a piston thereon; a housing for said piston outside the wall of said manhole; a spring coacting with said piston to retain said cover on its seat; an electric circuit; a normally open switch therefor in the wall of said housing; and means on said rod for closing said switch whenever said piston is raised against the tension of said spring.

2,030,537
IRONING BOARD
Chester A. Rich, Cincinnati, Ohio, assignor to The Rich Pump & Ladder Company, Cincinnati, Ohio, a corporation of Ohio
Application January 8, 1935, Serial No. 851
6 Claims. (Cl. 68—10)



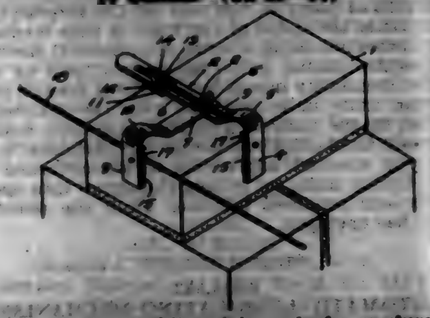
1. A collapsible ironing board comprising in combination: a table member having front and rear ends and an under surface; a front leg structure comprising a pair of members pivoted relative to the table member adjacent to the rear end thereof, and a pair of spaced rear legs also pivoted relative to the table member adjacent to the rear end thereof, a transverse strain bar connecting the rear legs at a distance from the pivotal mountings thereof, a fulcrum rod supported by the front leg structure at a location remote from the pivotal mountings of the front legs, a resilient bow-piece swingingly supported upon the fulcrum rod, said bow-piece having a front end and a rear end, short and sturdy compression members cooperating to guide the rear end of the bow-piece onto the strain bar, and an abutment on the under surface of the table member, said abutment being located out of registration with the front end of the bow-piece except upon bending the bow-piece.

2,030,538
CONTINUOUS FILTER
Roger W. Richardson, Wilmington, Del.
Application March 21, 1932, Serial No. 600,141
7 Claims. (Cl. 92—53)



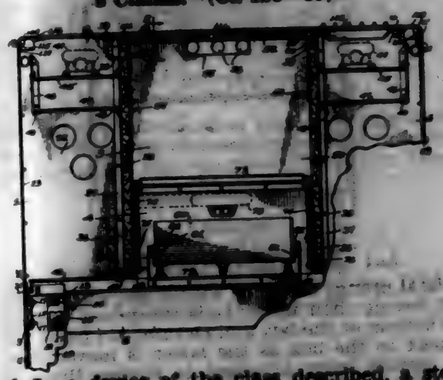
1. In a continuous filtering device comprising a frame, a continuous moving screen, a suction box in contact with said screen and means for producing vacuum in said suction box, a plurality of slats within said suction box mounted upon links of a series of rotatable endless roller chains and supporting said screen, means for supporting the roller member of said links, means for maintaining said links and movable member thereof in fixed movable rolling relationship to said supporting means, and means for rotating said screen and said slats supported by said links at approximately the same speed.

2,030,539
MASON'S LINE HOLDING TRIG
John Riley, Chicago, Ill., assignor of one-half to Adam J. Sertinsky, Chicago, Ill.
Application July 21, 1934, Serial No. 735,851
10 Claims. (Cl. 33—34)



1. In a line holding trig, a body, a plurality of arms connected with the body and relatively adjustable, said arms being normally substantially parallel for supporting a body therebetween, means carried by one of the arms for detachably connecting a cord therewith, and a resilient element secured to one side of each of said arms for frictionally engaging an object disposed between the arms.

2,030,540
STOVE CONSTRUCTION
Charles J. Rogers and Walter F. Rogers, Cicero, Ill., assignors to Crown Stove Works, Cicero, Ill., a corporation of Illinois
Application August 24, 1934, Serial No. 741,190
5 Claims. (Cl. 126—39)



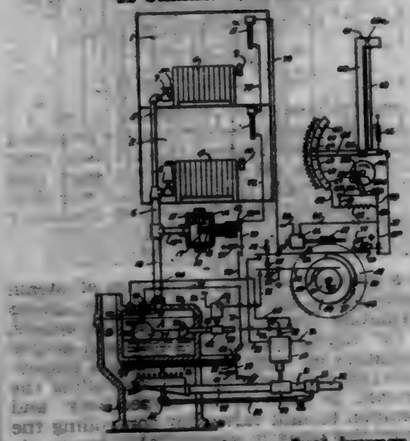
1. In a device of the class described, a stove body having front, rear and end walls, and a removable top comprising a front rim section detachably connected to said front wall, a rear rim section detachably connected to said rear wall, a pair of end rim sections detachably connected to said end walls, an intermediate panel having downwardly offset portions thereof underlying said front and rear rim sections, and burner tops between and supported by said intermediate panel and said end rim sections, said rear rim section and the rear ends of said end rim sections having overlapping parts detachably connected together, and said front rim section and the front ends of said end rim sections having overlapping parts detachably connected together.

2,030,541
APPARATUS FOR DELIVERING POWDERY MATERIAL
Alfred German Rose, Gainsborough, England, assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a British company
Application March 15, 1935, Serial No. 11,515
In Great Britain January 22, 1934
2 Claims. (Cl. 221—130)



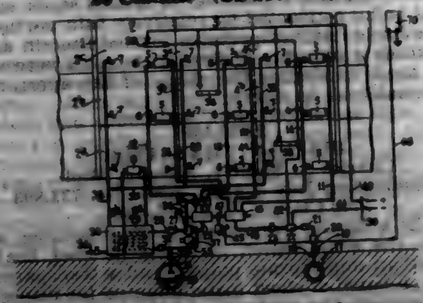
1. In an apparatus for delivering solid material, a hopper for containing bulk material having an opening in the bottom thereof, a feed wheel rotatable in said opening to feed a uniform stream of material from the hopper continuously and at a constant rate, means for varying the depth of said stream, means for receiving the fed stream, and rotary means having projections thereon between the hopper and the means for receiving the stream for continuously breaking up the stream after the stream has left the hopper, there being an unbroken portion of the stream on the feed wheel between the hopper and the breaking up means.

2,030,542
HEATING SYSTEM
Oscar A. Ross, New York, N. Y.
Continuation of application Serial No. 56,283, September 14, 1925. This application February 14, 1931, Serial No. 515,761
42 Claims. (Cl. 236—91)



1. A steam generator, a fuel burner therefor having a fuel supply connected thereto, means for controlling the supply of fuel to the burner from the fuel supply means, ignition means for igniting the fuel at the burner, a time interval device for rendering the fuel control means effective to supply fuel to the burner, and means controlled by the ignition means for annulling the control of the fuel supply means by the time interval device.

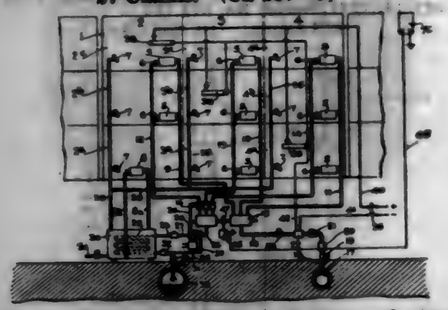
2,030,543
METHOD OF HEATING
Oscar A. Ross, New York, N. Y.
Application November 15, 1927, Serial No. 233,482
Renewed September 12, 1934
20 Claims. (Cl. 237—12)



1. The method of supplying heat from a source to a plurality of subsidiary heating systems forming a major heating system arranged to heat a plurality of enclosed spaces which involves, establishing a flow of the heat from the source to each subsidiary system for one period of time alternate-

ly with cancelling the flow for another period of time, the flow periods being established to each subsidiary system at predetermined successive time intervals and the time interval of the non-flow periods being sufficiently long to permit completing the heat flow period to the last subsidiary system before again establishing the heat flow to the first subsidiary system.

2,030,544
HEATING SYSTEM
Oscar A. Ross, New York, N. Y.
Original application November 15, 1927, Serial No. 233,482. Divided and this application December 17, 1934, Serial No. 757,790
27 Claims. (Cl. 237—8)



26. In a heating system, a source of steam under pressure, a plurality of grouped spaces having radiators therein for heating the spaces, conduits for conveying steam from said source to the radiators of each of said groups respectively, valves in said conduits for controlling the flow of steam to each group respectively, and means common to said valves for controlling the operation of the same in sequential order to alternately admit and check the flow of steam to each of said groups, whereby the steam is successively apportioned from said source to the several groups.

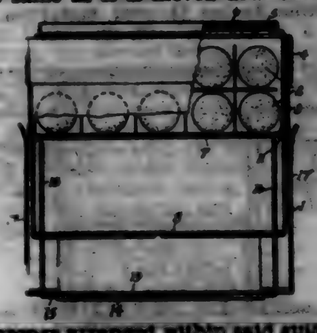
2,030,545
FOROUS BOOT OR SHOE SOLE
Hermann Schulze, Leipzig, Germany
Application March 19, 1934, Serial No. 716,235
In Germany June 22, 1933
2 Claims. (Cl. 36—3)



1. A boot or shoe sole of rubber or the like material having a plurality of relatively thick portions defining a plurality of spaced studs, said studs being connected by relatively thin portions of said sole having apertures formed therein and providing a plurality of flexing elements between said studs to change the shape of the apertures when said sole is flexed.

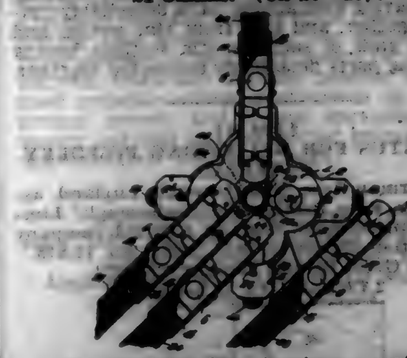
2,030,546
DISPLAY CONTAINER
Charles A. Sheffer, Allegan, Mich.
Application July 5, 1934, Serial No. 733,883
40 Claims. (Cl. 206—44)

1. In a display container of the character set forth, the combination of a box of fiber board having an imperforate bottom and a transparent cover, a panel of sheet metal adapted for disposition between the contents and the bottom of said box, the panel having beveled corners and outwardly and downwardly inclined side flanges slidably fitting the walls of the box and provided with teeth at their ends engaging the walls of the box adjacent but spaced from the corners thereof, and means for elevating said panel within the box as the contents thereof are exhausted from the top, said means comprising vertical guide means adapted to receive the box and guide the same as it is moved downwardly, and



vertical prongs arranged within said guide means and having their upper ends sharpened to pierce the bottom of the box and elevate said panel with respect to the box as the latter is moved down, the prongs being arranged to engage the panel near the corners thereof.

2,030,547
BRACELESS PANIC RELEASE, ROLLER LATCHING, REVOLVING DOOR HARDWARE
John W. Shields and Maurice M. Hagenbeck, Evansville, Ind., assignors, by mesne assignments, to International Door Company, Evansville, Ind., a corporation of Illinois
Application April 6, 1934, Serial No. 719,390
21 Claims. (Cl. 20—13)

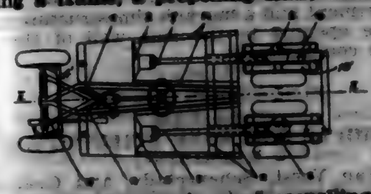


1. In a revolving door structure, a vertical shaft member, a pair of carriers mounted on said shaft member, each of said carriers having diametrically opposed sockets therein, swinging members, each having a stud projecting into a socket in said carriers, door hangers supported by said swinging members and latching means on the ends of said door hangers engaging cooperative latching means on said carriers when said swinging members are in alignment with said door hangers in radial position.

2,030,548
TRUCK OR TRACTOR WITH TWO REAR AXLES
Herman René Marie Gerard Smeets, Roermond, Netherlands
Application June 16, 1933, Serial No. 676,185
In the Netherlands July 1, 1932
3 Claims. (Cl. 180—22)

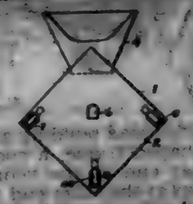
1. A truck comprising a main frame composed of a front part and a rear part, a steerable axle supporting the forward end of the front part, and

two motor vehicle units supported at opposite sides of the front part of the frame and each including a frame, a propelling shaft and a rear



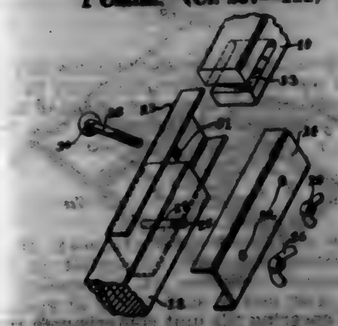
axle and ground engaging and propelling wheels on each rear axle disposed under and in a position to support the rear part of the main frame.

2,030,549
GAME
Joseph F. Smith, Fort Wayne, Ind.
Application October 8, 1934, Serial No. 747,382
4 Claims. (Cl. 273—95)



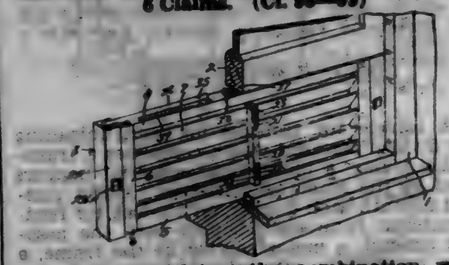
1. A game comprising a receptacle having a plurality of openings in its front side, means in the receptacle to form passageways leading to said openings respectively, a feed opening in the receptacle and common to all the passageways, baffling means between the feed opening and the entrances to the passageways and resilient ejectors mounted in some of the passageways rearwardly of the said openings for batting articles that travel by chance in the passageways from the receptacle.

2,030,550
JOINTED POLE FOR TREE PRUNERS
Justin L. Smith, Watertown, Conn., assignor to Seymour Smith & Son, Inc., Oakville, Conn., a corporation of Connecticut
Application November 24, 1933, Serial No. 699,559
1 Claim. (Cl. 287—111)



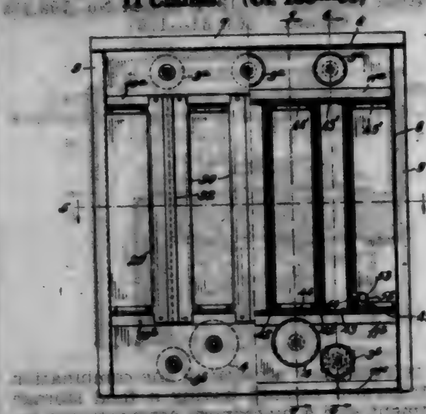
In a sectional pole, a pair of elongated pole sections arranged end to end one end of one of said sections having a plain tubular socket mounted on one end of the other pole section and having a hollow section extending therebeyond, a clamping bolt passing through said socket and the body of said unslotted pole section at a point adjacent the end thereof, a second clamping bolt passing through said socket and located in the slot of said slotted pole section, and nuts on said bolts to hold the sides of said tubular socket in tightly clamped position.

2,030,551
VENTILATOR
Fern A. Strawsine, Corunna, Mich.
Application February 12, 1932, Serial No. 656,541
6 Claims. (Cl. 98—99)



1. In a ventilator, the combination with a Z-shaped vane, of bars at opposite ends of said vane and formed with notches through which said vane extends and for pivotal engagement with the end portions of the apex of one of the V-shaped portions of said vane.

2,030,552
DRY TYPE SELF-CLEANING AIR FILTER
Richard Strindberg, Worcester, Mass., assignor to Development Associates, Inc., Worcester, Mass., a corporation of Massachusetts
Application July 12, 1932, Serial No. 622,928
11 Claims. (Cl. 183—63)



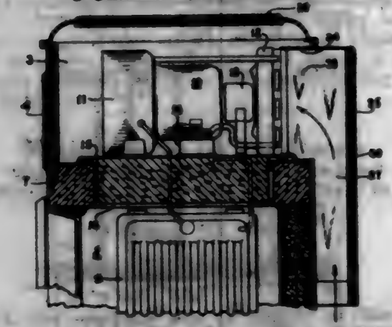
1. In an air filter, a frame having spaced compartments and a filtering chamber therebetween, an endless filter curtain of continuous sheet material, rollers mounted in each of said compartments and supporting and guiding the filter curtain for movement in a circuitous path, spaced stretches of said curtain extending through the filtering chamber between said compartments and forming the opposite walls of alternating substantially parallel air inlet and outlet passages opening on opposite sides of the frame, cooperating sealing means on said frame at the opposite sides of the filter chamber and at the edges of the filter curtain, preventing direct communication between the inlet and outlet passages, said means on the curtain also cooperating with said rollers to guide and tension the curtain, means substantially sealing communication between said passages and the roller compartments, and means for moving said filter curtain.

2,030,553
RAILWAY CAR
George E. Tiley, Woodhaven, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application November 14, 1932, Serial No. 642,486
10 Claims. (Cl. 214—83)



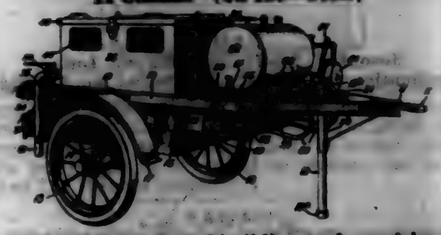
1. A vehicle for transporting and unloading finely divided material which comprises a transportable frame, a plurality of material hoppers carried by the frame, a discharge conduit positioned beneath each hopper, an air-lock for feeding material from each hopper into the associated conduit, a motor carried by the frame, a blower operatively connected to the motor, a shaft driven by the motor, means for selectively connecting the air-locks to the shaft to operate the air-locks, and a connection between the blower and a discharge conduit for pneumatically discharging material from the vehicle.

2,030,554
CABINET CONSTRUCTION
Walter M. Van Seiver, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 30, 1934, Serial No. 708,950
3 Claims. (Cl. 62—116)



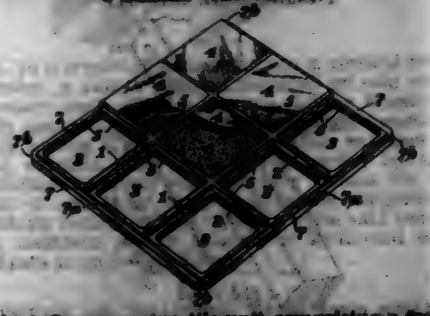
1. In refrigerating apparatus, the combination of a refrigerator cabinet having a food storage compartment and a machinery compartment located above the food storage compartment together with an intermediate structure disposed between the food storage compartment and the machinery compartment, said machinery compartment having an opening in a side wall thereof and said intermediate structure providing an opening between the compartments, a refrigerating unit embodying a condensing element and an evaporating element together with an intermediate base portion assembled therewith and detachably engaging the intermediate structure for supporting the condensing element in the machinery compartment and the evaporating element in the food storage compartment, said refrigerating unit being movable horizontally through said opening in the side wall of the machinery compartment and also movable vertically in the machinery compartment to project the evaporating element through said intermediate structure into the food storage compartment, said intermediate structure and said base member cooperating to form a partition separating the machinery compartment and the food storage compartment and a movable flue structure covering the opening in the side wall of the food storage compartment.

2,030,555
VEHICLE FOR ROAD BUILDING AND REPAIRING
John Van Vorst, Schenectady, and George M. Baker, Scotia, N. Y., assignors, by mesne assignments, to Mohawk Asphalt Heater Company, Frankfort, N. Y.
Application August 30, 1929, Serial No. 389,421
11 Claims. (Cl. 126—343.5)



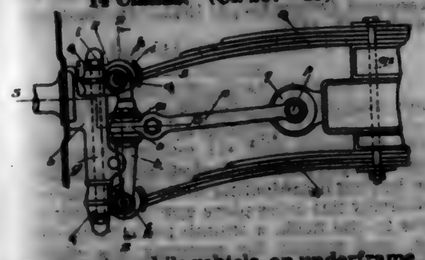
1. A vehicle for road building and repairing including a V-shaped frame, a combustion chamber at the rear end of the vehicle and having burner openings at the other end thereof, a material heating chamber arranged above said combustion chamber, said chambers being secured to the arms of said frame, an oil tank supported on said frame at the front of said chambers and spaced therefrom, a plurality of burners below said tank directed into the openings in said combustion chamber, flexible connections between said fuel tank and said burners, a cross member depending from said frame for supporting said burners, a shield between said tank and said combustion chamber and burners, a movable wind deflector for said burners forming a continuation of said shield, and wheels attached to said frame.

2,030,556
LINOLEUM TILE OR THE LIKE
Ernest Veltang, New York, N. Y.
Application August 25, 1933, Serial No. 686,941
8 Claims. (Cl. 94—18)



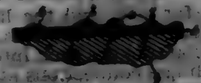
1. A floor covering tile unit comprising a frame made up of frame bars extending at angles to each other and united to provide pockets or spaces for the reception of filling material, marginal bars connecting the frame bars and providing uniform, continuous ledge faces extending outwardly throughout the length of the marginal bars on all sides of the unit substantially midway of the height of the frame bars to uninterruptedly engage and interfit with marginal bars of similar adjacent units, said continuous, uninterrupted ledge faces all facing in the same direction substantially perpendicular to the plane of the unit at all points around the unit.

2,030,557
VEHICLE SUSPENSION
Max Wagner, Stuttgart, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany, a company of Germany
Application January 26, 1933, Serial No. 653,450
In Germany June 4, 1931
14 Claims. (Cl. 267—19)



1. In an automobile vehicle, an underframe, two laminated springs arranged substantially parallel one above the other and secured to the underframe, an axle piece carrying the vehicle wheel, and connected with the ends of the laminated springs arranged substantially one above the other, an intermediate piece arranged on the axle piece, one end of which is rotatably supported on the axle piece and its other end is supported with clearance on the axle piece, and a guiding link arranged parallel to the laminated springs, one end of the guiding link being pivotally connected with the underframe and its other end with the said intermediate piece.

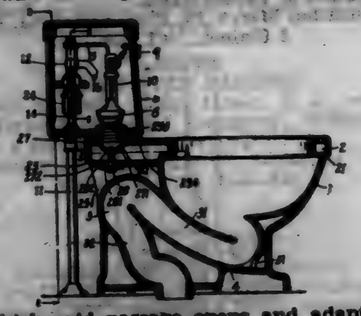
2,030,558
SURFACE ORNAMENTATION
Byron E. White, Kalamazoo, Mich., assignor to Globe Casket Manufacturing Company, Kalamazoo, Mich.
Application November 5, 1934, Serial No. 751,520
2 Claims. (Cl. 41—34)



1. The combination with a backing panel, of a sheet of parchmentized kraft crepe paper glued to said panel, a coating of colored lacquer on said sheet, and a coating of transparent lacquer on said colored lacquer coating.

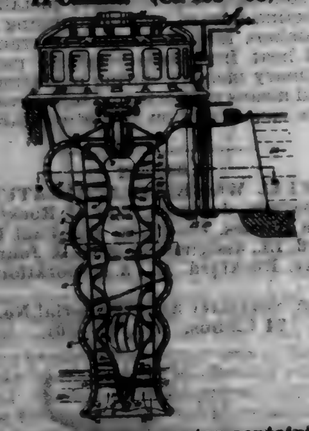
2,030,559
WATER CLOSET
Carl H. Zwermann, deceased, late of Robinson, Ill., by Hilda Zwermann, executrix, and Carl H. Zwermann, Jr., executor, Robinson, Ill., assignors to W. A. Case & Son Mfg. Co., Robinson, Ill.
Original application July 30, 1932, Serial No. 626,540. Divided and this application January 26, 1935, Serial No. 2,532
5 Claims. (Cl. 4—16)

1. In a water closet having a bowl with a rearwardly projecting hollow shelf adapted to supply said bowl, a jet within the bowl, a passage to said jet within the bowl, a gravity tank adapted to supply said hollow shelf and be supported thereon and having therein a ball cock and an auxiliary valve controlled by pressure from the ball cock and having therein a direct connection through the tank and from the main water supply adapted to be connected to said passage in said bowl and controlled by said auxiliary valve, the same constituting automatic means for controlling said water supply, the combination of side walls supporting said hollow shelf and forming a concealed recess at the back of the bowl, a side wall forming a second concealed recess



into which said passage opens and adapted to receive the end of said direct connection through said tank, means for forming a water tight joint between said tank and said hollow shelf, a butt-joint in said second recess between said connection through the tank and said passage, and means to pull said tank toward said shelf to seal said means for forming a water-tight joint between the tank and shelf to secure the tank on the shelf and to seal said butt-joint comprising a screw concealed in said first-mentioned recess.

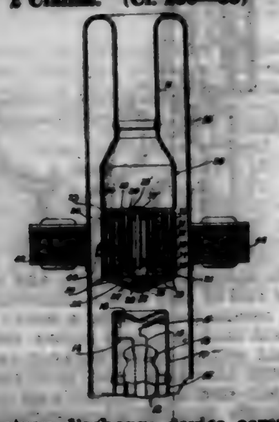
2,030,560
SCREW PUMP
James L. Adams, Jr., Youngstown, Ohio
Application September 14, 1934, Serial No. 744,624
11 Claims. (Cl. 103—83)



1. In a screw pump, a rotor containing an externally and transversely corrugated element of substantially cylindrical outline, helical screw blades mounted on the corrugations of said element and lying within the generally straight, cylindrical outline of the said rotor, a stator surrounding the rotor and comprising an internally corrugated casing, with the corrugations partially displaced axially of said pump with respect to the corrugations on the rotor, a plurality of longitudino-radial guide vanes mounted in peripherally spaced relation within the corrugations of said casing, and forming a substantially

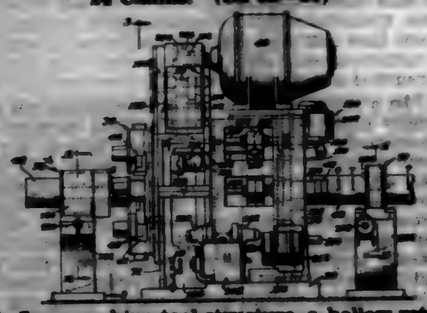
straight cylindrical internal working face for said stator, with a slight radial clearance to the above cylindrical surface of the rotor, and a power driving means for the said rotor, the said blades and vanes being in general longitudinally out of alignment with each other.

2,030,561
X-RAY TUBE
Victor John Andrew, Upper Montclair, N. J., assignor to Westinghouse Lamp Company, a corporation of Pennsylvania
Application March 28, 1933, Serial No. 663,130
2 Claims. (Cl. 250—35)



1. An electron discharge device comprising an envelope having a thermionic cathode and an anode disposed therein, said anode comprising a stationary metallic member of good heat conducting material supported by said envelope and forming a comparatively large chamber with the lower end thereof formed into a plurality of concentrically spaced fluid tight annular chambers and a rotatable metallic member having a plurality of concentrically arranged metallic cylinders projecting toward and surrounding said annular chambers for the purpose of transmitting generated heat from said rotatable member to said stationary member during operation of said device, and means supported by said envelope and operable to cause rotation of said rotatable member.

2,030,562
METAL WORKING APPARATUS
John S. Barnes, deceased, late of Rockford, Ill., by Hope Barnes, executrix, and Paul R. Guirl, Rockford, Ill., assignors to W. F. & John Barnes Company, Rockford, Ill., a corporation of Illinois
Application November 24, 1933, Serial No. 699,543
24 Claims. (Cl. 82—38)



1. In a machine tool structure, a hollow rotary tool carrier, a work support extending therein for securing a work piece within the confines of said hollow carrier in a fixed position to be acted upon by tools on said carrier, tool holding means slidably mounted on said carrier and adapted to reciprocate toward and away from a supported work piece, and means for causing said tool holding means to experience variable speed and for causing the positive reciprocation thereof.

2,030,563
STRAP FASTENER
Lawrence John Barnes, Dee Why, New South Wales, Australia
Application November 21, 1933, Serial No. 698,962. Renewed December 4, 1935. In Australia December 13, 1932
1 Claim. (Cl. 24—201)



For the purpose indicated, in combination, a plate having a projecting neck in the same plane, a relatively flat cross piece approximately at right angles to the neck, a thumb piece upon the cross piece, and means for securing the plate to a strap, a second plate having hooks into which said cross piece when at a suitable angle may be passed, there being a gap between the hooks to receive the neck, and means for securing said second plate to a strap.

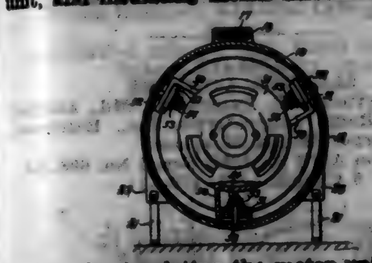
2,030,564
CUSHION SUPPORT FOR EGGS AND THE LIKE
Leon Bamak, New York, N. Y.
Application April 20, 1935, Serial No. 16,827
3 Claims. (Cl. 217—27)



1. A support for eggs and the like formed of a sheet of fibrous material which is slitted to provide companion tongues each integrally joined to the sheet by hinge connections at points intermediately of the upper and lower edges of the tongue behind which there is an open space into which the tongue may yield in response to pressure.

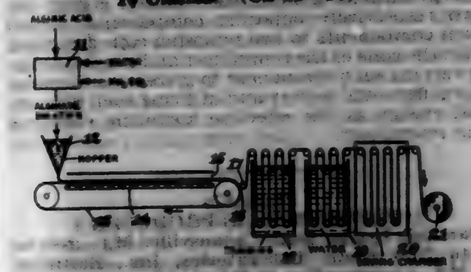
2,030,565
VACUUM CLEANER
Tord Erik Daniel Bilde, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Original application February 25, 1930, Serial No. 431,241, now Patent No. 1,966,534, dated May 31, 1932. Divided and this application May 1, 1932, Serial No. 608,598. In Germany March 5, 1929
2 Claims. (Cl. 242—54)

1. In a vacuum cleaner, a horizontally supported cylindrical casing, a motor unit, means for resiliently supporting said motor unit in said casing comprising spiral springs extending between said motor unit and said casing, said springs being conical and being peripherally disposed about said motor unit and having their apexes secured to the casing and their bases secured to the motor unit, and insulating means associated with the



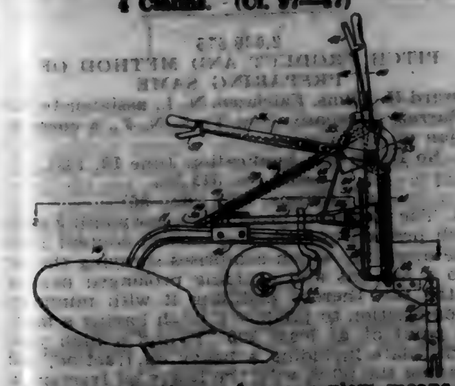
springs for insulating the motor unit from the casing.

2,030,566
PRODUCTION OF FILMS
Cyril Wilfred Beaullieu, Leamington Spa, England
Application December 11, 1933, Serial No. 701,924
In Great Britain December 15, 1932
10 Claims. (Cl. 18—57)



1. A process for producing from alginic material films free from opacity, consisting in preparing an aqueous solution of an alkali-radicle alginate which solution is substantially both sterile and clear and whose concentration (expressed in terms of alginic acid) does not exceed 10% of the weight of the solution, forming the said solution into a film before it has materially changed from the state in which it existed upon first formation and then drying the film in not more than fifteen minutes.

2,030,567
TRACTOR PLOW
Edson E. Bowen, Greenwich, Ohio, assignor to The Fate-Root-Heath Company, Plymouth, Ohio, a corporation of Ohio
Application August 6, 1934, Serial No. 738,867
4 Claims. (Cl. 97—47)



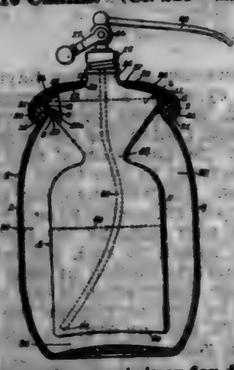
1. In combination, a frame, a plow, means for raising and lowering the plow comprising a rock shaft, a crank thereon, and means for operatively connecting the crank with the plow to the rear of said rock shaft, said crank standing in substantially vertical position when the plow is in the ground and in substantially horizontal position when the plow is raised, a counterbalancing spring attached to the end of the crank and to the frame at a point beneath said rock shaft, whereby the leverage exerted by the spring is approximately zero when the plow is in the ground and substantially a maximum when the rock shaft is turned forward through a quarter revolution to raise the plow.

2,030,568
LAMINATED RECORD
Benetech C. Brem, Cedar Grove, N. J., assignor to Dupont Viscoloid Company, Wilmington, Del., a corporation of Delaware
Application December 8, 1933, Serial No. 701,110
6 Claims. (Cl. 154—43)



1. A laminated sound record comprising a relatively thick core of a homogeneous cellulose acetate composition containing finely divided filler and a thin playing surface of an unfilled cellulose acetate composition.

2,030,569
DISPENSING APPARATUS FOR CHARGED BEVERAGES
Nicholas V. D. Breck, Santa Ana, Calif.
Application July 18, 1934, Serial No. 735,761
10 Claims. (Cl. 215—12)



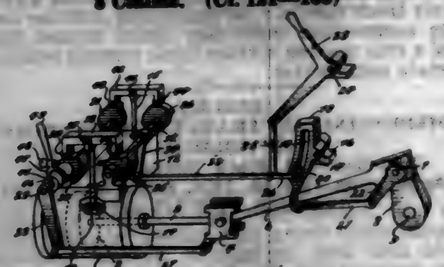
1. In a dispensing container for dispensing gas-charged beverages under pressure, the combination of an outer container with a mouth having an annular seat, an inner container with an annular shoulder adjacent said seat, and having an upwardly extending neck, a gasket pinched between the shoulder and the seat and having an extension overlying the upper side of the shoulder, and a cap having a central opening receiving the said neck, having a flange at its outer edge for securing the same to the outer container, said cap having annular corrugations adjacent the edge of its central opening for pinching the adjacent portion of the gasket against the upper side of the shoulder, the walls of said containers being disposed apart so as to form an annular insulating gas chamber surrounding the inner container, the walls of the inner container having a vent therethrough for admitting the gas pressure above the beverage to the said annular insulating space, to balance the pressure on the interior of the inner container, said cap cooperating with the gasket and the containers to seal and retain the gas pressure in the annular space.

2,030,570
HOSE ATTACHING DEVICE
Vita Buchanan, New York, N. Y.
Application May 21, 1932, Serial No. 612,718
9 Claims. (Cl. 24—73)



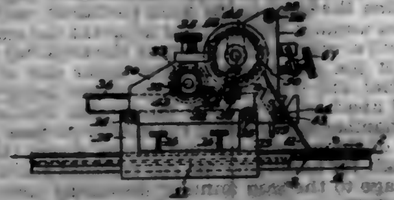
9. A device of the character described comprising a part having a plurality of transverse strap-receiving slots therein, said slots having their adjacent ends overlapping relative to each other, and a stocking engaging portion of reduced width depending from said first-named part with its vertical axis coinciding with the median line of the device.

2,030,571
VALVE OPERATING MECHANISM
George Cawley, Upper Montclair, N. J.
Application October 20, 1931, Serial No. 569,886
8 Claims. (Cl. 121—163)



1. In combination, an engine having a piston movable in a cylinder, a return crank operated by said piston, a poppet valve movable to and from its seat and controlling the passage of fluid as required for the operation of said piston, said valve being operated by two cams having spaced axes and a cam follower engaging both of said cams and pivotally connected to said valve, means to rock one of said cams by the normal motion of said piston, means to rock the other of said cams by the normal motion of said crank, and means to change the relation of one of said cams to its follower to thereby change the relation of said valve to its seat at a given time, to cause reversal of the engine.

2,030,572
APPARATUS FOR THE MANUFACTURE OF LAMINATED GLASS
Edle Demmler, Jeannette, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 6, 1933, Serial No. 669,737
4 Claims. (Cl. 91—43)



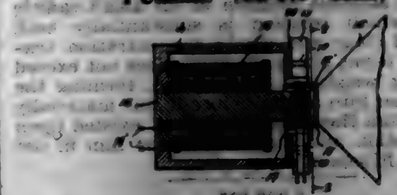
1. In apparatus for the manufacture of laminated glass, means for forming a film of a liquid, means including an inclined plate for flowing the film on a glass sheet, and means for regulating the temperature of said inclined plate for controlling the temperature of the liquid as it is flowed on the glass sheets.

2,030,573
ELECTRIC CONTROL
Marshall Lytton Dull, Catonsville, Md., assignor to Dull Radio Laboratories, Inc., Baltimore, Md., a corporation of Maryland
Application April 10, 1933, Serial No. 665,504
5 Claims. (Cl. 179—1)



1. A method of increasing the sensitivity and response, and controlling the volume of a radio receiving set which includes a receiving circuit and a reproducer circuit which comprises operating the receiving circuit at the maximum efficient energy output, dividing such output energy into two respectively opposing components, feeding such components to two opposing coils associated with the cone of the reproducer and simultaneously varying each component to increase or decrease the differential energy and utilizing such differential energy as the effective operating energy of the reproducer.

2,030,574
ELECTRICAL REPRODUCER
Marshall Lytton Dull, Catonsville, Md., assignor to Dull Radio Laboratories, Inc., Baltimore, Md., a corporation of Maryland
Application August 22, 1932, Serial No. 629,965
7 Claims. (Cl. 179—115.5)

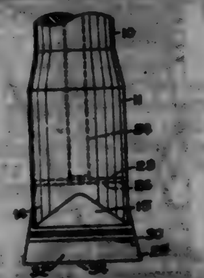


4. That method of increasing the sensitivity of electro-dynamic reproducers provided with an annular plate serving as a magnetic pole for the reproducer which comprises establishing in the said plate a plane of discontinuity, and insulating such plate.

2,030,575
PITCH PRODUCT AND METHOD OF PREPARING SAME
Edward H. Kline, Fairlawn, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 16, 1931, Serial No. 543,235
11 Claims. (Cl. 202—96)

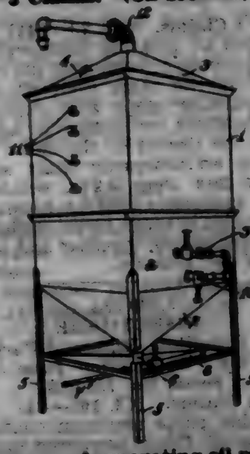
3. The method of producing a low melting point pitch product of high free carbon content from coke oven tar, which comprises spraying the tar into a hot gas and avoiding prolonged heating of the tar, thereby distilling it with minimum decomposition to produce a pitch having a melting point of at least 300° F. and a high yield of distillate including a heavy oil fraction, and blending the pitch with the heavy oil fraction in proportions to yield a pitch product with a carbon content between 12% and 25%.

2,030,576
REPLACEABLE BIT ROCK DRILL
Charles Erickson, Kirkland Lake, Ontario, Canada
Application July 23, 1933, Serial No. 680,823
Renewed October 15, 1935
7 Claims. (Cl. 255—64)



2. In a replaceable bit rock drill, a holder and bit together forming a loose dovetail joint, the bit having free lateral movement for shaping the hole and a limited longitudinal movement, said longitudinal movement contributing to a direct impact by the striking base of the tenon cut, at each stroke of said holder distinct from the origin of the stroke and to a swaging action on the bit, said striking base extending through fillets into the converging side walls of the cut at either side of the cooling fluid inlet.

2,030,577
PROCESS OF RENOVATING OIL
Leonard T. Evans, Indianapolis, Ind.
Application September 13, 1932, Serial No. 633,196
3 Claims. (Cl. 196—16)



1. The process of renovating oil recovered from journal box waste which consists in agitating the oil, adding thereto silicate of soda and water, heating and agitating the oil, then adding saponifiable fat and increasing the temperature of the oil and agitating the same and then allowing the mixture to stratify.

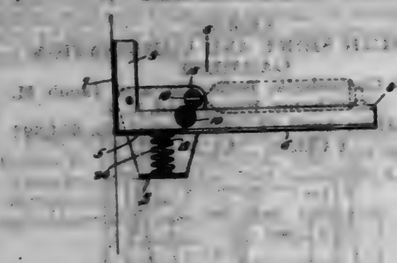
2,030,578
AIRCRAFT
Anton Flettner, Berlin, Germany
Application October 8, 1932, Serial No. 636,871
In Austria July 24, 1932
20 Claims. (Cl. 244—18)

1. Aeroplane with rotatable wings, comprising, in combination, an upstanding rotatable shaft, a plurality of bell crank levers pivoted transversely to the shaft with their arms extending substantially horizontally and substantially vertically,



a plurality of wings pivoted to the substantially horizontal arms of the levers, and a movable member connecting the substantially vertical arms of the levers.

2,030,579
DISPENSING DEVICE FOR A COLLAPSIBLE CONTAINER
James Walter Frazier, San Antonio, Tex.
Application May 13, 1935, Serial No. 21,262
2 Claims. (Cl. 221—89)

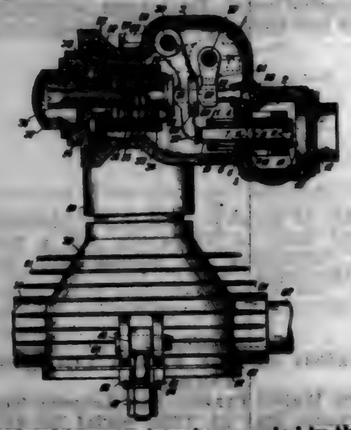


1. A dispensing device of the class described comprising a plate, means for mounting the plate on a support so that said plate will be in a substantially horizontal position, a saddle of substantial U-shaped formation to include sides and a cross member, means for swingably mounting the saddle on the plate to swing thereon, a roller journaled across the sides of the saddle above the plate, a second roller, and means for rotatably mounting the second roller above the plate so that the first mentioned roller normally will contact therewith and spring means between the saddle and the plate urging the first mentioned roller toward the second mentioned roller.

2,030,580
VAPOR REGULATOR
Lawrence H. Gillick, Evanston, and Edward A. Russell, Chicago, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York
Application November 19, 1934, Serial No. 753,662
11 Claims. (Cl. 236—49)

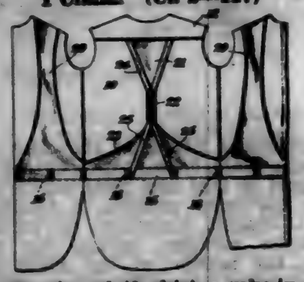
1. In a vapor regulator, a casing enclosing a high pressure steam chamber, a low pressure chamber from which steam is supplied to a heating device, a port connecting said chambers, and a return chamber into which is returned the steam supplied to the heating device, or fluids derived therefrom or both, a thermostatic element in the return chamber, a self-closing valve for normally closing said port, pressure-operated means for opening the valve when the pressure within the low pressure chamber falls below a predetermined minimum, and means operated by

the thermostatic element for rendering the pressure-operated means ineffective whenever a pre-



determined temperature is exceeded in the return chamber.

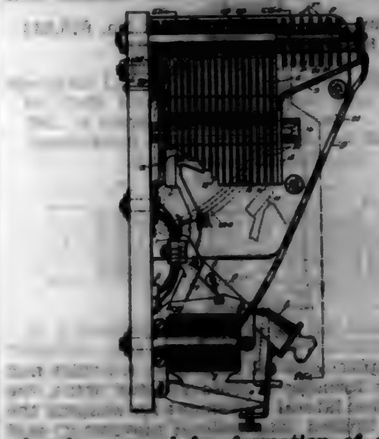
2,030,581
HEALTH SHIRT AND COMBINATION GARMENT
Morris Gottschalk, Belleville, and Jacob M. Abrahams, Bloomfield, N. J.
Application April 12, 1932, Serial No. 604,892
1 Claim. (Cl. 2—117)



In a garment, a cloth shirt, a yoke in said shirt, a reinforced trouser-supporting band about the waist of said shirt, a relatively open body within said shirt comprising straps having narrow portions at the tops thereof and widened portions at the bottoms thereof, said body being connected between said band and said yoke and adapted to give uniform and continuous support to said trouser-supporting band and being shorter in length than the distance between said yoke and said trouser-supporting band, and button-receiving means on said band which do not continue through said shirt.

2,030,582
CIRCUIT CONTROLLING METHOD AND APPARATUS
Herbert C. Graves, Jr., East Bradford Township, Chester County, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey
Application March 18, 1933, Serial No. 661,474
26 Claims. (Cl. 200—144)

1. An arc extinguishing device comprising a substantially confined arc extinguishing chamber, and means including a plurality of spaced conductive plates extending adjacent the arc source for transferring the arc to said plates and dividing it into a plurality of arcs extending therebetween, said conductive plates terminating in said chamber to facilitate the transfer of the arc thereto and terminal plates within said



chamber spaced for formation of at least one arc therebetween of substantially greater length than any one of said plurality of arcs.

2,030,583
PROCESS FOR AVOIDING SETTING PHENOMENA IN COMMERCIALLY PREPARED SALTS
Julius Haas, Kassel-Wilhelmshöhe, and Gustav Adolf, Stockhausen, near Sonderhausen, Germany, assignors to Wintershall Aktiengesellschaft, Kassel, Germany
No Drawing. Application September 18, 1932, Serial No. 633,922. In Germany September 24, 1931
2 Claims. (Cl. 23—243)

1. A method of treating technically prepared salt for the purpose of removing the caking tendency shown by the same even when stored in the finely granular state with exclusion of atmospheric moisture, consisting in adding to the salt prior to the drying of the same an aqueous suspension of an inorganic slimy substance in quantities of less than 0.2%, whereby an extremely thin protective coating forms on the individual particles without being sufficient to permit of the latter caking together and so producing coarsening of the granule.

2,030,584
INSECTICIDE
Clyde C. Hamilton, Highland Park, N. J.
No Drawing. Application June 5, 1934, Serial No. 729,248
4 Claims. (Cl. 167—24)

4. A dilutable paste emulsion containing water, a suitable oil, finely powdered natural parts of a plant selected from the group consisting of derris and cube root, containing an inherent emulsifier consisting of the natural gums, resins and saponin of said plant parts and properties toxic to insects, said emulsion being supplemented when said plant parts are reduced in amount as herein set forth, by an auxiliary emulsifier such as colloidal clay in small amount.

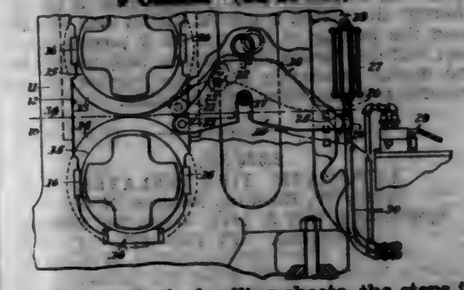
2,030,585
PRUNING SHEARS
Calvin G. Hampton, Rio Vista, Calif.
Application June 14, 1927, Serial No. 618,708
1 Claim. (Cl. 30—11)

In a pruning shears having superimposed jaw-hubs from which the shanks of the shears project, a pivot pin for the hubs, non-removably mounted in one hub and on which the other hub is turnable, said pin terminating flush with the outer face of said other hub, a plate extending over said other hub and the adjacent end of the



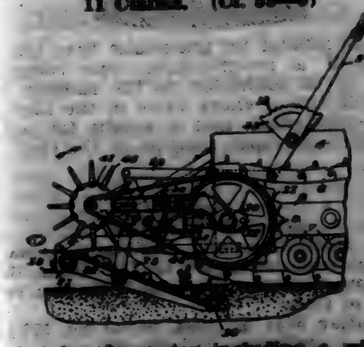
pin, a block on the shank of the one hub over which the plate projects, a removable screw securing the plate to the block, a removable screw connecting the plate and pin, and removable shims between the plate and block and between said plate and the other hub.

2,030,586
METHOD AND APPARATUS FOR ROLLING
Adam J. Haslett, Baltimore, Md., assignor to The Eastern Rolling Mill Company, Baltimore, Md., a corporation
Application October 20, 1934, Serial No. 749,243
9 Claims. (Cl. 29—17)



2. In a method of rolling sheets, the steps including entering a pack of sheets between reducing rolls, substantially along the line of the common tangent thereto, deflecting successive portions of the pack away from said line, and maintaining them in contact with one of said rolls as they enter the pass between the rolls.

2,030,587
TUBER HARVESTER
James G. Heaslet, Cleveland, Ohio, assignor to The Cleveland Tractor Company, Cuyahoga County, Ohio
Application November 13, 1934, Serial No. 753,602
11 Claims. (Cl. 55—9)



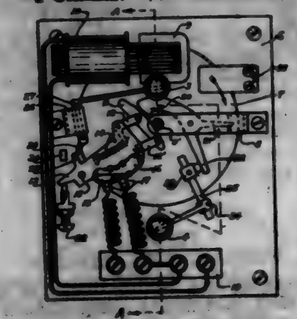
1. A tuber harvester including a wide tread track-laying tractor, sets of forwardly extending digger fingers pivotally connected to a platform secured to the rear of said tractor, and a rotary pusher mounted adjacent the said platform and adapted to dispose material therefrom.

2,030,588
CASKET CRYPT
Elmer N. Hedeen and Howard B. Turner, Mansfield, Ohio
Application April 13, 1933, Serial No. 665,858
2 Claims. (Cl. 27—35)



1. A casket crypt comprising a construction of pairs of end and side walls, and a bottom wall forming an oblong casket container, the side and end walls being provided with outwardly extending corrugations and one of said pairs of walls being provided with plain surface formations affording compression bearing surfaces for the corrugated ends of the other pair of walls, said pairs of walls having the bottom edges thereof formed to interengage with the marginal edges of the bottom wall and clamping means for causing said pairs of walls to compressively engage each other and said bottom wall.

2,030,589
ELECTRICAL CONTROL EQUIPMENT
Charles R. Hedgcox, Atlanta, Ga., and Harry H. Knowles, Birmingham, and George N. Lemmon, Homewood, Ala.
Application December 8, 1932, Serial No. 646,278
4 Claims. (Cl. 200—97)

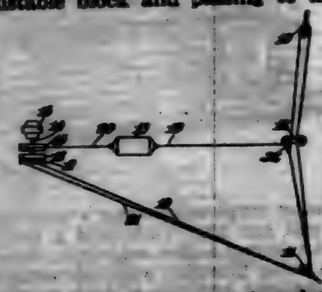


1. Electrical control equipment which comprises an electromagnet operating an induction disc which is connected by gearing to a mercury-switch, together with means to disconnect the gearing if the electro-magnet becomes de-energised for longer than a predetermined time.

2,030,590
HAULAGE APPARATUS FOR OPERATING SOIL SCRAPERS, PLOWS, REAPING MACHINES AND THE LIKE
John Leonard Helman, Carbis Bay, Cornwall, and Arthur Treve Helman, Callestick, Cornwall, England, assignors to Helman Brothers Limited, Camborne, Cornwall, England, a British company
Application August 10, 1933, Serial No. 684,556
In Great Britain August 29, 1932
10 Claims. (Cl. 37—115)

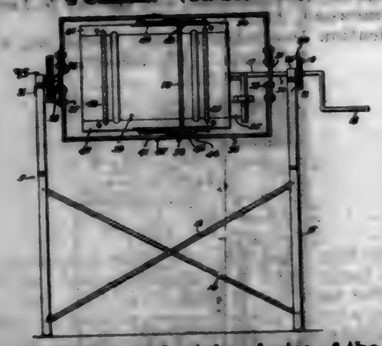
1. Scraper haulage mechanism comprising in combination two tail blocks spaced apart on one side of the area to be treated, an adjustable

block situated between them, a scraper device, a haulage rope therefor passing from one side of the scraper and over the adjustable block to one tail block, a standing rope for adjusting the position of the adjustable block in a direction transverse to that of scraping secured to one side of the adjustable block and passing to the other



tail block, one of said ropes passing also through the adjustable block to the opposite tail block from that to which it has passed as aforesaid to hold the adjustable block against movement towards the scraper, and winding means for each of said haulage and standing ropes and for any further rope passing to the other side of the scraper.

2,030,591
SEED MIXER AND AGITATOR
Albert Holmquist, Holmquist, S. Dak.
Application May 31, 1934, Serial No. 728,423
4 Claims. (Cl. 259—82)



1. An agitating and mixing device of the character described, said device comprising a support, a laterally expansible cradle revolubly mounted on said support, a container clamping frame pivotally connected to the opposite sides of said cradle, said frame being arranged for clamping a longitudinally disposed container, and adjustable means pivotally connecting the side of said clamping frame to a side of said cradle, said means comprising a pivot mounted on said side of the cradle, a toothed wheel concentric with said pivot and fixed against rotation relative to said side, and dog means mounted on said side of the clamping frame and normally engaging said toothed wheel to lock said frame from rotating relative to said cradle.

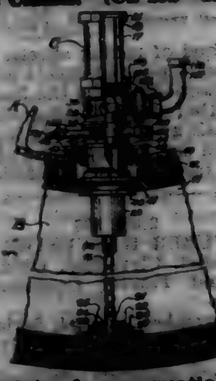
2,030,592
AUTOMATIC TIRE INFLATER
Oakley W. Hotting, Monroe, N. Y.
Application May 9, 1934, Serial No. 724,754
4 Claims. (Cl. 152—11)

1. In a tire inflater for pneumatic tires, the combination of a cylinder adapted to be supported adjacent the radially inner side of the tire, a piston slidably supported within said cylinder, a piston rod connected to said piston and projecting through the radially outer end of said cylinder, means adapted to operatively connect said



piston rod with the radially outer side of the tire whereby the piston is moved within said cylinder upon the flexing of the tire as it passes over a road surface, means for packing said piston rod, and means accessible from the interior of said cylinder for adjusting said packing.

2,030,593
AUTOMATIC TIRE INFLATER
Oakley W. Hotting, Monroe, N. Y.
Application May 8, 1935, Serial No. 20,694
5 Claims. (Cl. 152—11)

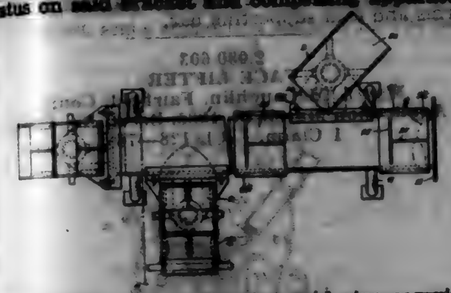


1. In an inflater for pneumatic tires the combination of a reciprocation type compressor adapted to be connected to the radially inner side of the tire, a check valve in the inlet port of said compressor, and a weight for opening said check valve upon rotation of the tire.

2,030,594
ASSEMBLY TABLE
Ralph E. Eyde, Cleveland, and Harry A. Maurer, Novelty, Ohio, assignors to The Osborn Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 25, 1934, Serial No. 727,468
9 Claims. (Cl. 29—33)

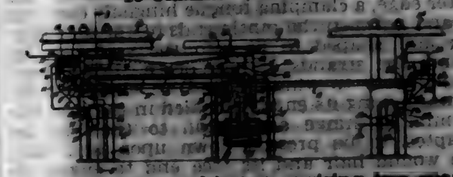
1. A pipe welding bracket comprising a body adapted to engage the edge of a bed, a mechanism carried by said bracket for adjusting the vertical angle of the body to the bed, pipe-carrying apparatus connected by said bracket, and

mechanism supporting said pipe-carrying apparatus on said bracket and comprising apparatus



for elevating and for turning said pipe-carrying apparatus.

2,030,595
PRESSING MACHINE
George W. Johnson, Norwood, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application August 31, 1932, Serial No. 630,971
10 Claims. (Cl. 68—5)



1. A pressing machine comprising two spaced interconnected pressing beds adapted to travel in a path, two spaced pressing heads arranged along said path to alternatively assist with one bed while exposing the other bed, one fluid pressure actuated cylinder and piston motor for causing pressing engagement between the heads and beds, and means carried by said beds for operatively connecting said motor with that bed only which is in position to coact with one of said heads.

2,030,596
PRESSING ELEMENT FOR PRESSING MACHINES
George W. Johnson, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application October 17, 1933, Serial No. 693,358
7 Claims. (Cl. 68—5)

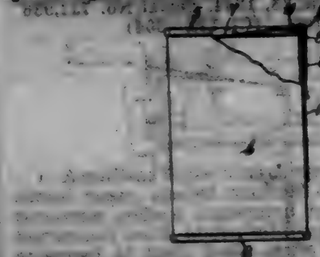


7. A pressing element comprising rigid portions arranged for relative movement toward and away from each other, one of said portions supporting a pressing surface, a tubular member supporting one portion on the other portion with the axis of the tubular member lying in a plane parallel to the pressing surface, and said tubular member being expansible in a direction normal to the general plane of said pressing surface.

2,030,597
FOOD CANE ATTACHMENT
Gamaliel B. Sabiston, East Milton, Mass.
Application February 14, 1935, Serial No. 6,704
4 Claims. (Cl. 46—11)

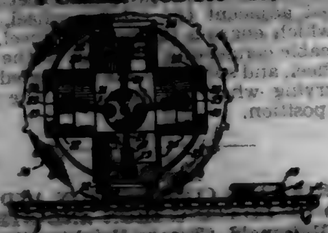
1. In combination with a receptacle having a flat head and a bead surrounding the edge there-

of, a flat spring metal clip bent approximately at a right angle and having two cut out portions with the free ends directed toward each other and spaced apart sufficiently to admit said bead and



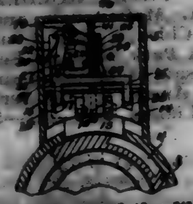
yieldingly to grip the same between them, one end of the clip being thereby yieldingly held in contact with the receptacle frictionally to support a card against the same.

2,030,598
PASTRY MAKING MACHINE
Cecil F. Liles, Independence, Mo.
Application February 25, 1935, Serial No. 8,686
2 Claims. (Cl. 107—15)



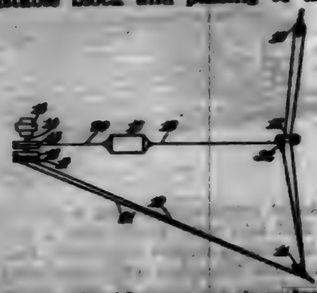
1. A pie trimming apparatus including in combination a conveyor, receivers mounted on said conveyor adapted to receive pies, a cylinder rotatably mounted adjacent said conveyor, a piston mounted for reciprocation in said cylinder, means for reciprocating said piston in phase relation to the motion of said conveyor, and pie trimming means carried by said piston.

2,030,599
LOCKING MECHANISM
Victoria Lopez Maurin, Habana, Cuba
Application December 15, 1934, Serial No. 757,722
In Cuba July 17, 1934
7 Claims. (Cl. 70—75)



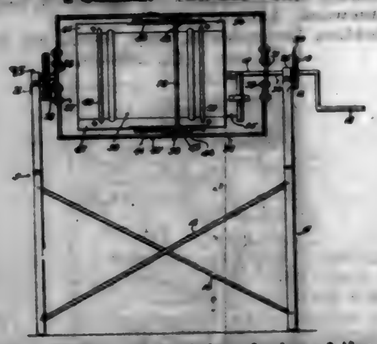
2. A lock for bicycles and the like, including a casing, a bolt movable in the casing, and including a locking lug, spring means in the casing for projecting the bolt into locking position, a retractor in the casing for moving the bolt into inoperative position, a tumbler cooperating with the retractor to lock the retractor in either of its positions, a dog movable in the casing to either of two positions, one to permit an operative movement of the bolt and another to lock the bolt in operative position, and a lever for operating the dog.

block situated between them, a scraper device, a haulage rope therefor passing from one side of the scraper and over the adjustable block to one tail block, a standing rope for adjusting the position of the adjustable block in a direction transverse to that of scraping secured to one side of the adjustable block and passing to the other



tail block, one of said ropes passing also through the adjustable block to the opposite tail block from that to which it has passed as aforesaid to hold the adjustable block against movement towards the scraper, and winding means for each of said haulage and standing ropes and for any further rope passing to the other side of the scraper.

2,630,531
SEED MIXER AND AGITATOR
Albert Helmquist, Hebronville, S. Dak.
Application May 31, 1934, Serial No. 728,423
4 Claims. (Cl. 259—61)



1. An agitating and mixing device of the character described, said device comprising a support, a laterally expansible cradle revolubly mounted on said support, a container clamping frame pivotally connected to the opposite sides of said cradle, said frame being arranged for clamping a longitudinally disposed container, and adjustable means pivotally connecting the side of said clamping frame to a side of said cradle, said means comprising a pivot mounted on said side of the cradle, a toothed wheel concentric with said pivot and fixed against rotation relative to said side, and dog means mounted on said side of the clamping frame and normally engaging said toothed wheel to lock said frame from rotating relative to said cradle.

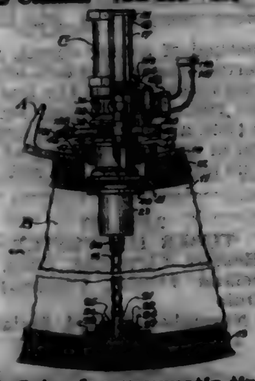
2,630,532
AUTOMATIC TIRE INFLATER
Oakley W. Hosking, Monroe, N. Y.
Application May 9, 1934, Serial No. 724,754
4 Claims. (Cl. 152—11)

1. In a tire inflater for pneumatic tires, the combination of a cylinder adapted to be supported adjacent the radially inner side of the tire, a piston slidably supported within said cylinder, a piston rod connected to said piston and projecting through the radially outer end of said cylinder, means adapted to operatively connect said



piston rod with the radially outer side of the tire whereby the piston is moved within said cylinder upon the flexing of the tire as it passes over a road surface, means for packing said piston rod, and means accessible from the interior of said cylinder for adjusting said packing.

2,630,533
AUTOMATIC TIRE INFLATER
Oakley W. Hosking, Monroe, N. Y.
Application May 9, 1934, Serial No. 725,434
5 Claims. (Cl. 152—11)

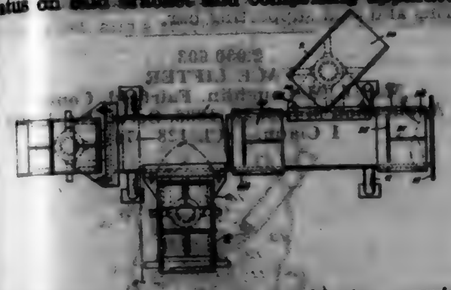


1. In an inflater for pneumatic tires the combination of a reciprocation type compressor adapted to be connected to the radially inner side of the tire, a check valve in the inlet port of said compressor, and a weight for opening said check valve upon rotation of the tire.

2,630,534
ASSEMBLY TABLE
Ralph E. Hyde, Cleveland, and Harry A. Maurer, Novelty, Ohio, assignors to The Osier Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 25, 1934, Serial No. 727,468
3 Claims. (Cl. 29—33)

1. A pipe welding bracket comprising a hook adapted to engage the edge of a bed, a mechanism carried by said bracket for adjusting the vertical angle of the hook to the bed, pipe-carrying apparatus supported by said bracket, and

mechanism supporting said pipe-carrying apparatus on said bracket and comprising apparatus



for elevating and for turning said pipe-carrying apparatus.

2,630,535
PRESSING MACHINE
George W. Johnson, Norwood, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application August 21, 1933, Serial No. 685,011
10 Claims. (Cl. 68—9)



1. A pressing machine comprising two spaced intercommunicated pressing beds adapted to travel in a path, two spaced pressing heads arranged along said path to alternatively coact with one bed while exposing the other bed, one fluid pressure actuated cylinder and piston motor for causing pressing engagement between the heads and beds, and means carried by said beds for operatively connecting said motor with that bed only which is in position to coact with one of said heads.

2,630,536
PRESSING ELEMENT FOR PRESSING MACHINES
George W. Johnson, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application October 17, 1933, Serial No. 693,858
7 Claims. (Cl. 68—9)

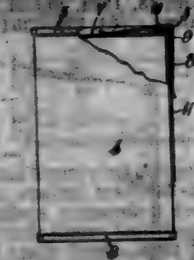


7. A pressing element comprising rigid portions arranged for relative movement toward and away from each other, one of said portions supporting a pressing surface, a tubular member supporting one portion on the other portion with the axis of the tubular member lying in a plane parallel to the pressing surface, and said tubular member being expansible in a direction normal to the general plane of said pressing surface.

2,630,537
FOOD CAN ATTACHMENT
Gunnar B. Johnson, East Milton, Mass.
Application February 14, 1935, Serial No. 6,536
5 Claims. (Cl. 49—11)

1. In combination with a receptacle having a flat head and a bead surrounding the edge there-

of, a flat spring metal clip bent approximately at a right angle and having two cut-out portions with the free ends directed toward each other and spaced apart sufficiently to admit said bead and



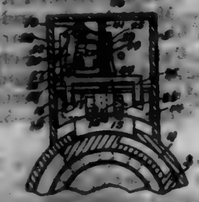
yieldingly to grip the same between them, one end of the clip being thereby yieldingly held in contact with the receptacle frictionally to support a card against the same.

2,630,538
PASTRY MAKING MACHINE
Cecil F. Allen, Independence, Mo.
Application February 15, 1935, Serial No. 6,606
3 Claims. (Cl. 107—15)



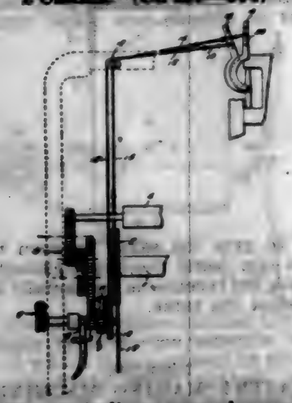
1. A pie trimming apparatus including in combination a conveyor, receivers mounted on said conveyor adapted to receive pies, a cylinder rotatably mounted adjacent said conveyor, a piston mounted for reciprocation in said cylinder, means for reciprocating said piston in phase relation to the motion of said conveyor, and pie trimming means carried by said piston.

2,630,539
LOCKING MECHANISM
Vicente Lopez Maurin, Habana, Cuba
Application December 15, 1934, Serial No. 757,722
In Cuba July 17, 1934
7 Claims. (Cl. 70—75)



2. A lock for bicycles and the like, including a casing, a bolt movable in the casing, and including a locking lug, spring means in the casing for projecting the bolt into locking position, a retractor in the casing for moving the bolt into inoperative position, a tumbler cooperating with the retractor to lock the retractor in either of its positions, a dog movable in the casing to either of two positions, one to permit an operative movement of the bolt and another to lock the bolt in operative position, and a lever for operating the dog.

2,030,000
AUXILIARY PULL-DOWN MOTION FOR LOOMS
James William McDaniel, Pomona, N. C.
Application June 28, 1934, Serial No. 732,936
2 Claims. (Cl. 139—304)



1. In a loom including a warp beam and a sand roll, and means for rotating the roll including a ratchet wheel, a dog carrying wheel rotatably supported adjacent the ratchet wheel, and the dog of which engages the ratchet wheel, a dobby jack, a cable connecting the same to the dog carrying wheel, and spring means connected with the dog carrying wheel for returning the parts to normal position.

2,030,001
RUSTPROOFING COMPOSITION AND METHOD OF COATING IRON AND STEEL
Guy A. McDonald, Chicago Heights, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application February 2, 1935, Serial No. 4,718
20 Claims. (Cl. 148—6.5)

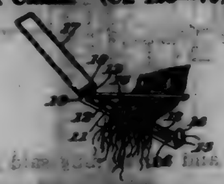
1. A ferrous metal object having on a surface thereof an integral coating having the composition resulting from treating the ferrous metal object with an aqueous solution containing 10 to 25% phosphoric acid and chromate in a ratio equivalent to at least .25 part of sodium dichromate to one part phosphoric acid, and drying the coated article.

2,030,002
PAPER HOLDER
Ambrose A. McDonough and Charles D. Vickers, Chicago, and Charles Schaumburg, Oak Park, Ill.; said Schaumburg assignor to said McDonough and said Vickers
Application August 9, 1934, Serial No. 739,114
3 Claims. (Cl. 242—55.5)



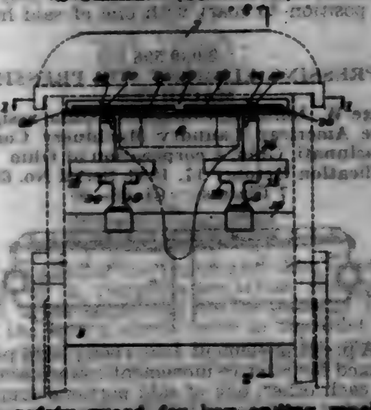
1. A device of the character described, comprising a transverse supporting bar formed of wire bent at right angles at both ends to provide a pair of parallel arms, said arms bent inwardly to provide suspending loops, a severing bar formed of wire bent at right angles at both ends to provide a pair of parallel resilient arms, and a rigid connection between said parallel resilient arms and said supporting bar.

2,030,003
FACE LIFTER
May L. McLaughlin, Fairfield, Conn.
Application March 28, 1935, Serial No. 13,948
1 Claim. (Cl. 128—76)



A clamp for use in a facial lifting device comprising two hair attaching clamps, connected by an elastic cord, said clamps comprising an elongated trough-like base member having a pair of parallel up-turned, spaced apart ears on each end, the ears upon one end being provided with aligned pintle holes while the ears upon the other end are provided with aligned notches on their outer edge, a clamping tongue hingedly connected to and between the pintle ends of the said member and shaped to fit into the said base and clamp the strands of hair of the head therein preparatory to winding, and an elongated wire clamp having its ends journaled in the said holes forming a hinge connection to the base and adapted to be pressed down upon and clamp the wound hair and its free end to engage the notches in a way to hold the parts together.

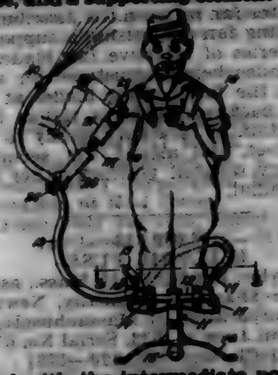
2,030,004
SAFETY GUARD FOR BOX ENDING MACHINES
Julius M. Minkow, New York, N. Y.
Application September 20, 1934, Serial No. 744,750½
2 Claims. (Cl. 93—58)



1. A safety guard for box ending machines, consisting of guard bars for guarding the sides of a moving form, a front guard bar adjustable on the side guard bars, and means for adjustably mounting the side guard bars on the form carrier of a standard box ending machine.

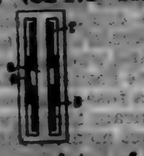
2,030,005
LAWN SPRINKLER
Nielen E. Moore, Du Bois, Pa.
Application March 12, 1935, Serial No. 10,715
7 Claims. (Cl. 299—65)

8. A sprinkler comprising a base, a rotary head mounted on said base and having an outlet and an inlet, an upstanding support carried by said head, a flexible discharge hose connected with said outlet, and a supporting element for the hose



connected with the intermediate portion thereof and pivotally connected with said upstanding support.

2,030,006
MOVING COIL VOLTAGE REGULATOR
Eric Douglas Tobias Norris, Hollinwood, England, assignor to Ferranti Electric Inc., New York, N. Y.
Application May 31, 1935, Serial No. 24,457
In Great Britain April 24, 1934
6 Claims. (Cl. 171—119)



1. An A. C. voltage regulator of the type indicated comprising two fixed coaxial coils connected in series opposition and displaced with respect to each other in an axial direction, together with a movable short-circuited coil, the fixed coils and said movable coil mutually encircling when viewed axially, said fixed coils being disposed to possess mutual leakage impedance which is greater than the sum of the leakage impedance between the individual fixed coils and the movable coil when the moving coil is midway between the fixed coils.

2,030,007
METHOD OF PRODUCING NONSHATTERABLE GLASS
Walter Pegler, Parramatta, New South Wales, Australia, assignor to Joseph Leslie Pegler, Beecroft, New South Wales, Australia
No Drawing. Application August 22, 1933, Serial No. 25,332. In Australia April 24, 1934
2 Claims. (Cl. 49—81)

1. A method of producing safety glass consisting in soaking gelatine in water, then heating it until it becomes fluid, mixing formalin and glycerine in approximate proportion of one teaspoonful of glycerine to five ounces of the gelatine with a small amount of formalin, applying the solution thus produced to the surface of a sheet of glass, causing evaporation of moisture, then immersing the glass in a bath of formalin of about 60% of water and 40% of formaldehyde, removing the coated glass therefrom and permitting the film to dry and then placing the glass film side up, in a bath of resin of Canada balsam in solution, withdrawing the sheet of glass from the resinous bath and drying.

2,030,008
QUILTING FRAME
Earle E. Pike, Corsicana, Tex.
Application December 11, 1934, Serial No. 757,941
6 Claims. (Cl. 112—119)



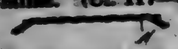
1. A quilting apparatus comprising a main horizontal beam, spaced material-feeding and quilt-receiving rollers suspended from said beam, a horizontal track above said beam, arms pivotally attached at their lower ends to said beam and angularly adjustable with respect thereto, means at the upper ends of said arms for engaging the horizontal track, and means for retaining said arms in any one of a plurality of angular positions with respect to the beam to determine the vertical distance between the horizontal track and said beam.

2,030,009
CLOSURE DEVICE
Heinrich Quittner, Vienna, Austria
Application June 28, 1934, Serial No. 732,367
In Austria July 12, 1933
1 Claim. (Cl. 221—69)



A tube closure adapted for attachment to the tube neck to open and close the outlet through the neck comprising a closure cap capable of being screwed on the tube neck and provided with an outlet corresponding with the tube outlet, a resilient stirrup preferably of wire, the web of which carries a resiliently deformable closure body for the outlet in the closure cap and is provided with two upwardly projecting parts, each part being firmly connected at the end with an arm, these two arms being extended downwardly below the closure body and provided on their lower ends with short pins adapted to engage corresponding recesses on opposite points of the closure cap for pivotally mounting the closure device on the closure cap.

2,030,010
ELASTIC YARN AND METHOD OF MAKING SAME
Norman Elmer Randall, Shamrock, R. I.
Application May 22, 1935, Serial No. 22,774
6 Claims. (Cl. 117—34)



1. An elastic strand for fabrication comprising a rubber core and a non-elastic covering therecover, said rubber core being substantially at rest and of a length but slightly longer than the length of the naked rubber core uncovered, said covering being arranged to limit the extension of the strand to substantially the extent of elongation as when the covering is applied, the same having a definite multiple of its length when at rest, said limit being substantially less than the limit of stretch of the naked rubber without a covering thereon.

3. The method of preparing a covered elastic strand for fabrication which consists in stretching

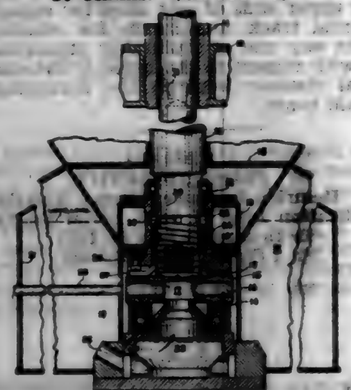
the core to an extent substantially less than its elastic limit, then covering the elastic core to prevent any substantial further elongation thereof, said covering being disposed at such a helical pitch with its convolutions so spaced that the core may contract to substantially its naked state at rest when released with the covering practically completely enveloping the core when the core is at rest.

2,030,611

LUBRICATING SYSTEM

Henry F. Schmidt, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 7, 1934, Serial No. 734,693
10 Claims. (Cl. 184—6)



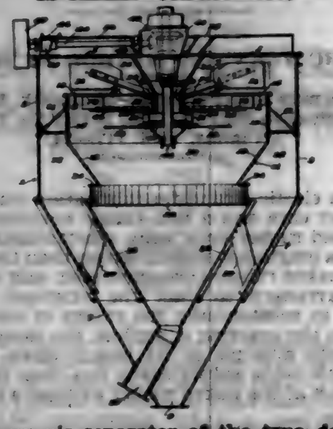
1. A lubrication system for a machine comprising a centrifugal pump, a viscosity pump, and means for submerging the inlet of the viscosity pump in a body of liquid lubricant, the viscosity pump serving to provide pressure of lubricant for lubrication at low speeds and the centrifugal pump serving to provide pressure of lubricant for lubrication at higher speeds.

2,030,612

AIR SEPARATOR

Thomas J. Sturtevant, Wellesley, Mass., assignor to Sturtevant Mill Company, Boston, Mass., a corporation of Massachusetts

Application May 2, 1934, Serial No. 723,748
12 Claims. (Cl. 209—139)



1. In an air separator of the type described, the combination with a circulating fan for causing air currents to flow upward through a top outlet of a classification zone and a rotary distributor in the lower part of said zone, of a rotary rejector fan between the distributing plate and circulating fan comprising a support having a circular series of rejective fan blades each of said fan blades being adjustable on a vertical axis to turn the faces of the blades at an angle forward or backward from a radius in regard to the direction of rotation thereby to vary the rejective effect, and means for securing said blades in any selected position either radial or oblique to radial.

2,030,613

ELECTRIC FUSE

Elmer H. Taylor, Newburyport, Mass., assignor to The Chase-Shawmut Company, Newburyport, Mass., a corporation of Massachusetts

Application June 1, 1933, Serial No. 673,847
31 Claims. (Cl. 200—119)



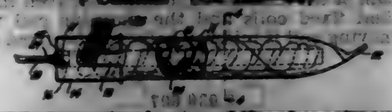
1. The combination of a fuse receptacle and a movable contact member therein having means by which the contact member can be properly guided for successful movement into closed-circuit position and when not so properly guided will move into some position other than closed-circuit position, and a fuse plug insertable in said receptacle having means for properly guiding and moving said contact member into closed-circuit position.

2,030,614

HEATER

Ewald F. Tebold, Cleveland, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application October 17, 1934, Serial No. 748,073
7 Claims. (Cl. 126—96)



1. A hair waving heater of the steam type comprising a tube open at one end and closed at the other end by a pressed flattened portion of the tube material, and a removable cap closing the open end of the tube and having means for attaching a steam supply pipe thereto in communication with the interior of the tube.

2,030,615

LAST

James B. Waterfield, Attleboro, Mass.

Application August 29, 1933, Serial No. 687,289
10 Claims. (Cl. 12—139)



1. In a last, a metal top comprising two members, means extending from the upper surface of one member through said member to the last, and means for securing the other member on the upper surface of the first member, said second member covering the securing means for the first member so as to lock the covered securing means in place.

2,030,616

WIRE-CLOTH SEAM AND METHOD OF MAKING SAME

Nelson W. Webb, Belleville, N. J., assignor to Eastwood-Nealley Corporation, Belleville, N. J., a corporation of New Jersey

Application July 26, 1935, Serial No. 33,154
10 Claims. (Cl. 245—10)



1. Method of joining wire cloth-ends which comprises preparing said cloth-ends for soldering them together edge to edge by replacing the last weft wire of each cloth-end with a solder-coated wire, the warp wires being cut off so that the side of its solder-coated wire projects beyond their cut ends, the latter extending beyond the axis of the solder-coated wire; and applying heat thereto to solder the warps to the solder-coated wires and the latter side by side to each other.

2,030,617

NONREFILLABLE BOTTLE

Alvin M. Whitney, Bradford, Pa., assignor to Cellocsal Company, Bradford, Pa., a corporation of Pennsylvania

Application May 17, 1935, Serial No. 21,673
1 Claim. (Cl. 215—8)



A non-refillable bottle comprising a neck including a restricted portion, a bushing fixed in said neck, said bushing having an annular groove therein, a plug removably mounted in the lower portion of the bushing and depending therefrom, a frangible retaining bag mounted on the lower portion of the bushing and depending therefrom and enclosing the plug, said bag terminating an internal head in its top portion engaged in the groove, the plug including a pointed lower end adapted to penetrate the bag, and a removable cap threadedly mounted on the neck, the restricted portion of said neck constituting means for arresting the plug when said plug is dislodged from the bushing.

2,030,618

BOTTLE CLOSURE

Alvin M. Whitney, Bradford, Pa., assignor to Cellocsal Company, Bradford, Pa., a corporation of Pennsylvania

Application August 17, 1935, Serial No. 36,730
2 Claims. (Cl. 215—8)



1. A bottle closure comprising a bushing adapted to be fixed in the neck of a bottle, the lower portion of the bore of said bushing being counterbored, and providing an internal shoulder, the lower portion of said bushing further being externally reduced, a frangible sealing disk engaged with the shoulder, a retaining ring fixed in the counterbored portion of the bushing and engaged with the sealing disk, an indicator plug removably mounted in the retaining ring, said indicator plug including a substantially flat, circular head engaged with the lower end of the retaining ring and the bushing, and a ring of compressible, contractible material mounted in the reduced lower portion of the bushing and encircling same and depending therefrom, the depending portion of the second-named ring being internally thickened and extending beneath the bushing and engaged with the periphery of the head for frictionally securing the indicator plug in position in the first named ring.

2,030,619

PROCESS FOR MAKING ANHYDROUS CITRIC ACID

Emil Accherie, Ludwigshafen-on-the-Rhine, Germany, assignor to the firm Chemische Fabrik Joh. A. Benckiser G. m. b. H., Ludwigshafen-on-the-Rhine, Germany

No Drawing. Application June 25, 1934, Serial No. 732,281. In Germany April 6, 1934
2 Claims. (Cl. 260—122)

1. A process for making anhydrous citric acid, consisting in boiling aqueous citric acid solutions in vacuo until an inspissated product is obtained having a concentration of about 48° Bé, running off the said inspissated product into a crystallizing vessel, mashing up the resulting crystal pulp during the cooling period with a mixture of citric acid and sulphuric acid of such a composition that citric acid can exist in it even at room temperature only in its anhydrous form, then stirring the mass up until it attains the temperature of the room, and separating the resulting crystals of anhydrous acid from the mother liquor.

2,030,620

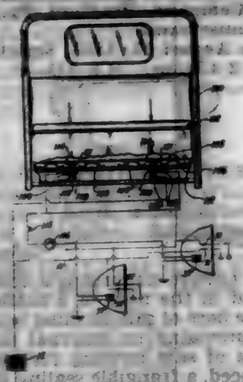
LIGHTING SYSTEM AND APPARATUS

Samuel F. Arbuckle and Guy H. Coulter, Highland Park, Mich., assignors to United Lens Corporation, Detroit, Mich., a corporation of Delaware

Application May 21, 1932, Serial No. 614,384
3 Claims. (Cl. 240—7.1)

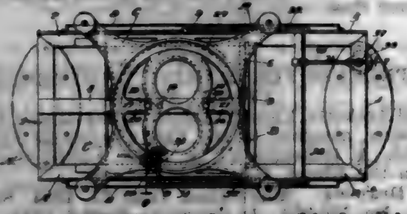
1. In combination with an automotive vehicle; a lamp bulb; a plurality of light sources in said bulb; light projecting means associated with said light sources for producing light beams having definite directional characteristics, and means for changing the position of said lamp bulb with

respect to the light projecting means for compensating changes in the static relative position of the vehicle for effecting a change in the direc-



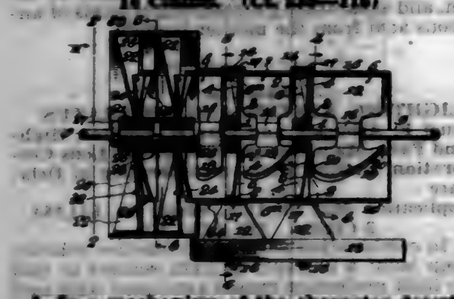
tion of the light beams produced, said means being controlled by a lead receiving member located within the vehicle body.

2,030,631
REVOLVING CAR SEAT
Ernest J. Smith and Clarence A. Van Derveer, Michigan City, Ind., and King Karpen, Chicago, Ill., assignors to S. Karpen & Bros., a corporation of West Virginia
Application January 8, 1931, Serial No. 507,470
3 Claims. (Cl. 155—34)



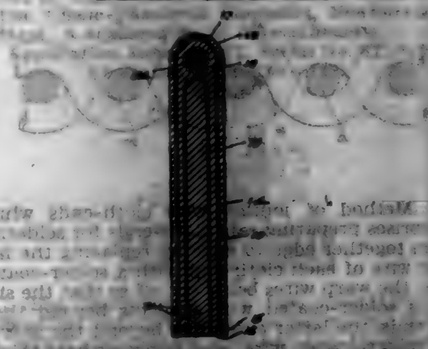
3. In combination, a base, a block slidably mounted thereon, a seat plate pivotally carried by said block and equipped with a pair of substantially circular cam tracks communicating on one side to form a continuous track, and a cam stud secured to said base and adapted to engage said track.

2,030,632
PROPELLER, FAN, AND EXHAUSTER
Stanley Czeliewski, Hillside, N. J.
Application July 17, 1933, Serial No. 680,897
14 Claims. (Cl. 230—116)



1. In a mechanism of the character described, a tunnel, a rotatable shaft passing into said tunnel, a gang of propellers mounted on said shaft within said tunnel and spaced apart, a set of converters located in said tunnel between adjacent propellers, means to hold said converters stationary, certain of said converters having bearings in which said shaft is journaled, said converters each including fan-like blades restricted near the center by webs forming an unbroken wall, said blades being shaped to receive air from said propellers diagonally to the axis and discharge the same parallel to the axis.

2,030,633
HIGHWAY GUARD POST
Oliver D. Eggleston, Carlton, Kans.
Application April 8, 1935, Serial No. 14,589
1 Claim. (Cl. 49—135)



A guard post comprising a vertical body of flexible material, a pair of inverted U-shaped reinforcing members embedded in the body, one of said U-shaped members being wider and longer than the other and encompassing the smaller, both of said U-shaped members being disposed on substantially the same vertical plane, the upper portion of the body being provided with a pocket and a reflecting lens mounted in the pocket and substantially interposed between the light portions of the said U-shaped members.

2,030,634
COUNTING DEVICE
Emil Ek and Arthur E. Ek, Portland, Maine
Application January 14, 1936, Serial No. 429,744
9 Claims. (Cl. 235—132)



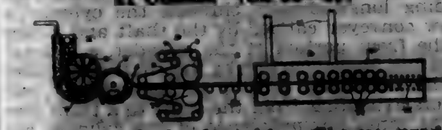
1. A counting device having, in combination, a main shaft adapted to be moved in accordance with the measurement being taken; a series of interconnected tally wheels rotatable in both directions; a single ratchet wheel connected to said series of tally wheels for actuating them; means connecting said main shaft with the ratchet wheel arranged to effect rotation of the latter in either direction in accordance with the movement of the former; and control means actuated by the rotation of said tally wheels and adapted upon the completion of a predetermined tally to shift the said connecting means whereby the direction of rotation of ratchet wheel and said tally wheels is changed without change of movement of the main shaft.

2,030,635
APPARATUS FOR AND PROCESS OF MAKING SYNTHETIC PRODUCTS
George H. Ellis, St. Paul, Minn., assignor to The Insulite Company, Minneapolis, Minn., a corporation of Minnesota
Application January 13, 1934, Serial No. 705,555
22 Claims. (Cl. 92—21)



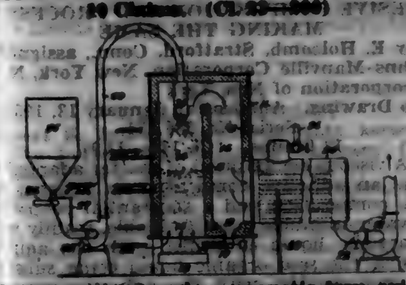
1. A process for producing hard, insecticide proof, synthetic boiler which comprises forming a continuous sheet from siliceous pulp stock having commingled therewith a toxic agent, squeezing the sheet to remove the surplus water, drying the sheet to remove substantially all the moisture, compacting the sheet under heat and pressure by means of rotatable members, tempering the sheet, severing the sheet transversely, passing the severed portions through a humidifier and finally passing the severed portions through a cooling means.

2,030,636
FIBROUS PRODUCT AND METHOD OF MAKING THE SAME
George H. Ellis, St. Paul, Minn., assignor to The Insulite Company, Minneapolis, Minn., a corporation of Minnesota
Application April 27, 1934, Serial No. 722,780
11 Claims. (Cl. 92—39)



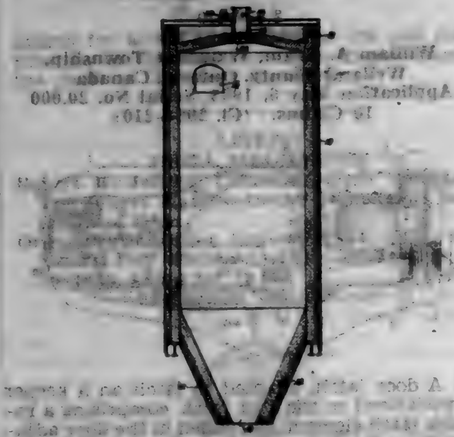
1. The method of making fibrous products from waste fibrous material which comprises mechanically breaking up the fibrous material, reducing it to a pulpy mass, manipulating the mass to form a sheet from a water bath, removing the surplus moisture from the sheet and subjecting the sheet to the application of heat and pressure, said heat decreasing as the moisture contents of the sheet decreases.

2,030,637
PROCESS OF MAKING IRON OXIDE AND SULPHUR DIOXIDE FROM IRON SULPHIDE ORES
Horace Freeman, Shawinigan Falls, Quebec, Canada, assignor to Nichols Engineering & Research Corporation of Canada, Limited, a corporation of Canada
Application March 9, 1936, Serial No. 433,471
20 Claims. (Cl. 23—200)



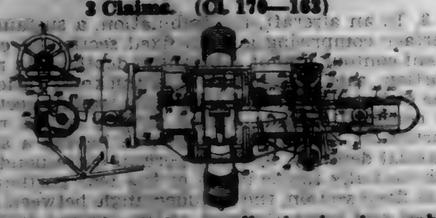
6. Process of forming magnetic iron oxide in the form of finely divided particles, which comprises roasting finely divided sulphide ore particles in suspension in an oxidizing gas, at a temperature causing fusion of the particles, the particles being allowed to gravitate from the area of roasting against an upwardly flowing stream of a relatively cool gaseous medium such that the particles while still in suspension are chilled sufficiently to substantially avoid agglomeration.

2,030,638
FLASH ROASTING
Horace Freeman, Montreal, Quebec, Canada, assignor to Nichols Engineering & Research Corporation of Canada, Limited, Montreal, Quebec, Canada, a corporation of Canada
Application January 8, 1935, Serial No. 817
6 Claims. (Cl. 266—20)



1. In a furnace for flash roasting finely divided ore particles in suspension, a roasting chamber, a nozzle at the midportion of the roof of said chamber for introducing the ore particles with a stream of gaseous medium, an opening being provided within said nozzle for discharging the central portion of said stream in a vertically downward direction, said opening being surrounded by an annular space providing additional ore discharge openings within said nozzle, and a plurality of curved vanes within said annular space for creating a turbulent condition in the ore and gaseous medium passing through said annular space.

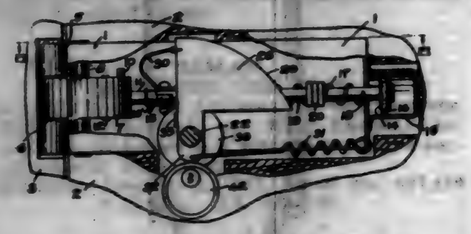
2,030,639
VARIABLE PITCH PROPELLER
Frank Gorski, Portland, Oreg., assignor of one-half to Julia Buszkowski, Portland, Oreg.
Application September 18, 1934, Serial No. 744,550
3 Claims. (Cl. 170—163)



1. A variable pitch propeller having in combination a propeller shaft, a tubular sleeve projecting forwardly from said shaft and secured thereto, said sleeve having slots formed therethrough, a spider having a hub within said

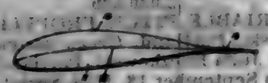
sleeve and having spokes thereon projecting through said slots and having a circular track around the ends of said spokes, anti-friction bearings in front of and behind the track on said spider, means for moving said bearings and the intervening spider manually, a plurality of propeller blades projecting radially from said sleeve and having their inner ends extending into same, the inner end of each propeller blade having a pinion secured thereon, a plurality of racks engaging said pinions, and means for connecting said racks to said spider whereby the manual movement of said spider will cause said pinions to rotate and the pitches of the propellers attached thereto to be varied in a manner that the pitches of all of the propellers will be increased or decreased at the same time and in a like degree.

2,030,630
DOOR LATCH
William A. Gram, Wainfleet Township, Welland County, Ontario, Canada
Application May 6, 1935, Serial No. 20,800
10 Claims. (Cl. 292—210)



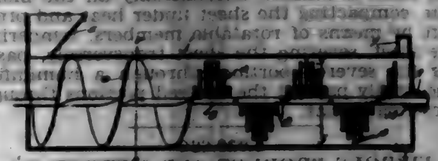
1. A door latch, adapted to latch on a keeper pin positioned on the door jamb, comprising a rotatable latch element journalled in the door adjacent the edge thereof and having a radial slot adapted to receive the keeper pin during rotation of the latch element into the latching position as the door is closed, spring means for actuating the latch element alternatively into the door latching and the door opening positions, and releasable means for retaining the latch element in the position of greatest rotation attained during the latching of the door.

2,030,631
AIRCRAFT
Joseph M. Gwinn, Jr., Buffalo, N. Y.
Application January 24, 1935, Serial No. 2,206
3 Claims. (Cl. 244—39)



3. In an aircraft, in combination, a sustaining surface comprising a main fixed section of constant contour and of substantial depth at its rear portion, said section having a thickness ratio of the order of 20%, and a movable trailing section of constant contour hinged directly to the rear portion of said fixed section and having a substantial depth at its front portion corresponding substantially to the depth of the rear portion of said fixed section, the included angle between the upper and lower surfaces of the trailing section just back of the hinge location being substantially less than the included angle between the upper and lower surfaces of the fixed section just ahead of the hinge location, said trailing section having a mid-position substantially in continuation of the median line of the fixed section, said trailing section being movable upwardly from its mid position to a raised low drag position in which its lower surface is in smooth continuation of the lower surface of the fixed section and being movable downwardly from its said position to a lowered high camber low drag position in which its upper surface is in smooth continuation of the upper surface of the fixed section and in which the rear end of said trailing section constitutes the final surface of the aircraft for engagement with the air body through which the trailing section passes.

2,030,632
SEPARATION OF GARLIC AND ONION SEED FROM WHEAT
Bernard Hazel, Chesterton, Ind.
Application July 30, 1934, Serial No. 737,877
1 Claim. (Cl. 209—8)

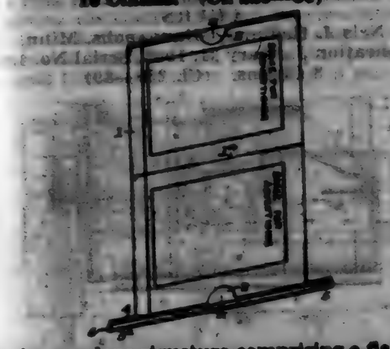


An apparatus for separating garlic and the like from grains comprising a horizontally arranged cylinder, means for introducing the material into one end of the cylinder, a shaft extending longitudinally through the cylinder, a screw conveyor carried by the shaft and located in the front portion of the cylinder, a series of agitating fingers carried by the shaft and located in the remainder portion of the cylinder, said fingers extending from the shaft to a point close to the inner circumference of the cylinder and spirally arranged on the shaft, a cap closing the outlet end of the cylinder and movably arranged thereon, adjustable spring means for resisting outward movement of the cap, the cap having a discharge port on the top part of the flange which is closed by a portion of the discharge end of the cylinder when the cap is in normal position and which moves beyond said portion of the cylinder when the cap is forced outwardly against the pressure of the spring means, a discharge tube having one end connected with the cap and receiving material passing through the port, a suction producing device and a flexible conduit connecting the inlet of said device with a top part of the chute, and means for rotating the shaft.

2,030,633
ADHESIVE COMPOSITION AND PROCESS OF MAKING THE SAME
Harry K. Holcomb, Stratford, Conn., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
No Drawing. Application January 13, 1933, Serial No. 651,454.
12 Claims. (Cl. 134—22.9)

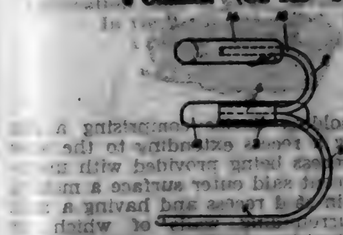
1. A viscous composition of matter adapted for use as an adhesive comprising an aqueous adhesive composition and a substantial proportion of a water-insoluble, unsaponifiable, readily volatile, organic liquid associated with the aqueous adhesive, the said organic liquid being substantially non-reactive with the adhesive composition.

2,030,634
ENVELOPE STRUCTURE
Arthur V. Holloway, Philadelphia, Pa., assignor to Thomas M. Royal & Co., Philadelphia, Pa., a corporation of Pennsylvania
Application November 25, 1933, Serial No. 699,673
10 Claims. (Cl. 229—56)



1. An envelope structure comprising a flattened tubular section of paper or similar material open at both ends; said tubular section having a crease intermediate its ends where it may be folded in a size substantially one-half the overall length of the tube section, and detachable fastening means carried by one end of the section and serving to close such end whereby the structure may be used as a full length receptacle of the bag type, and to close both ends of the section when the same is folded.

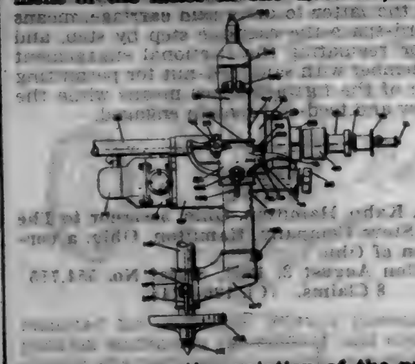
2,030,635
CHAIR
Nathan George Horwitt and Morris Katcher, New York, N. Y., assignors, by mesne assignments, to Ritzel Plastic, New York, N. Y.
Application May 17, 1933, Serial No. 671,436
Renewed August 1, 1935
6 Claims. (Cl. 155—50)



1. A chair comprising a seat, a support member formed with a backwardly projecting arm at each side of the seat, a back and arm seat member provided with backwardly extending arms adjacent the previously recited arms, and means engaging and holding together adjacent arms said means having provisions for supporting the seat.

2,030,636
DRILL MECHANISM
Robert K. Jeffrey, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application September 24, 1930, Serial No. 484,190
16 Claims. (Cl. 255—67)

1. In apparatus of the class described, a longitudinally displaceable screw shaft, means to rotate said shaft, a nut engaging the threads of said shaft, means to rotate the nut in the same direction as the shaft and at a speed greater than that of the shaft to cause longitudinal displacement of the latter in one direction, and brake



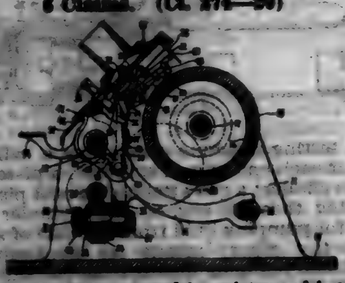
means for arresting rotation of the nut during rotation of the shaft to cause displacement of the shaft in the other direction.

2,030,637
DRILL MECHANISM
Robert K. Jeffrey, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Original application September 24, 1930, Serial No. 484,190. Divided and this application April 24, 1935, Serial No. 18,093
17 Claims. (Cl. 255—46)



1. In apparatus of the class described, a feed nut comprising a plurality of segments, means mounting the segments for pivoting about axes eccentric to the axis of the nut, means tending to move the segments to inoperative position about their pivotal axes, and means adapted to engage the segments and hold them in operative relation.

2,030,638
PHONOGRAPH
Arthur A. Johnson, Bridgeport, Conn., assignor to Dictaphone Corporation, Bridgeport, Conn., a corporation of New York
Application January 16, 1928, Serial No. 246,934
Renewed September 29, 1934
6 Claims. (Cl. 274—20)



4. In a dictating machine, in combination, a carriage, a rotatable feed-screw for driving said carriage, a rotatable feed-nut mounted on said

carriage in engagement with said feed-screw, a member frictionally engaging said feed-nut for enabling the latter to drive said carriage, means to forward-space the carriage step by step, and means for regulating the frictional engagement of said member with said feed-nut for permitting operation of the forward-space means while the feed-screw and feed-nut remain engaged.

2,030,639
STOVE
Lucian L. Kahn, Hamilton, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application August 3, 1931, Serial No. 554,715
3 Claims. (Cl. 126—214)



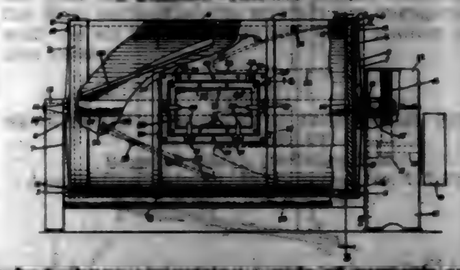
2. In a stove having a cooking top defined by a frame enclosing a grill with burners therebeneath, a removable cover member receivable on the cooking top as a closure for the grill, hinge means attaching the cover plate to the stove, said hinge means comprising a hinge body having a pivotal connection with the cover plate for movement of the cover plate on a horizontal axis from the position of closure to a position in which the cover member stands in a vertical plane at the stove side and above the plane of the cooking top, and a pivotal connection between the hinge body and the stove for movement of the cover member in the vertical plane to a position of suspension from the hinge body in which the cover member lies below the plane of the cooking top.

2,030,640
PORTABLE TESTING MACHINE
Augustus B. Kinzel, Beechhurst, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application September 23, 1933, Serial No. 690,923
10 Claims. (Cl. 265—14)



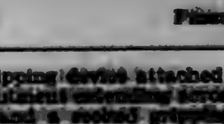
8. A testing machine comprising a cylinder; a head for each end of said cylinder; a piston within said cylinder; a rod attached to said piston and extending through one of said cylinder heads; means for pumping fluid from one side of said piston to the other; means for bypassing fluid around said pumping means from one side of said piston to the other; a tubular member attached to said cylinder and having its axis parallel to and included within the projection of the bore of said cylinder; a gripping device attached to said piston rod, an abutment extending across said tubular member; and a second gripping device attached to said abutment in alignment with said first gripping device.

2,030,641
CHURN
Nels J. Hedlund, Minneapolis, Minn.
Application January 21, 1935, Serial No. 2,360
8 Claims. (Cl. 259—89)



1. A churn comprising a pair of supports and a cylinder rotatably mounted between said supports, said cylinder having normally imperforate ends each lying in a single plane, a plurality of vanes associated with the inner cylindrical wall of said cylinder, the longitudinal axes of said vanes with respect to said wall each defining a spiral, and means for rotating said cylinder, said means being secured to the exterior surface of the cylinder exteriorly of the end walls.

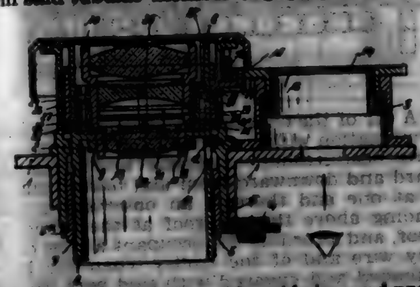
2,030,642
MOLD FOR MOLDING OR EMBOSSING OR THE LIKE PLASTIC MATERIAL SUCH AS DOUGH
Arthert Kronsalig, Hannoversleben, near Oschersleben, Germany
Application April 7, 1933, Serial No. 665,910
In Germany October 8, 1932
1 Claim. (Cl. 107—12)



A rotary molding device comprising a ring element having a recess extending to the outer surface, said recess being provided with undercut edges adjacent said outer surface a molding insert located in said recess and having a mold cavity the surrounding walls of which are covered by said undercut edges, said molding insert being non-metallic and comprising a material which is inherently non-adhesive to dough, marzipan or the like and which is inserted in the ring element by molding under a moderate degree of heat.

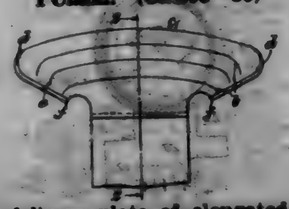
2,030,643
COMBINED OBJECTIVE AND EXPOSURE METER FOR PHOTOGRAPHIC OR CINEMATOGRAPHIC EXPOSING APPARATUS
Heinz Küppenbender and Martin Nowicki, Dresden, Germany, assignors to Zeiss Ikon Aktiengesellschaft Dresden, Dresden, Germany
Application June 12, 1934, Serial No. 730,290
In Germany June 17, 1933
4 Claims. (Cl. 95—64)

1. An arrangement on photographic cameras and the like for automatically adjusting the diaphragm in correspondence with the adjustment of an exposure meter, comprising in combination a tubular member having a slot in its wall, a pin projecting from the inner side of said tubular member at a distance from said slot, a sleeve surrounding said tubular member and adapted to be rotated during the adjustment of the exposure meter, a pin projecting from the inner side of said sleeve through the slot in said tubular member, a ring axially shiftable in said tubular member having distributed around its circumference three slots, namely a straight axial slot, a curved slot and an angular slot, and a pin projecting from said tubular member engaging in said axial



slot adapted to axially guide said ring and prevent rotation of the same, the end of this pin projecting from said sleeve engaging in said curved slot and adapted to axially shift said ring in said tubular member during the rotation of said sleeve, and a diaphragm adjusting ring in said slotted ring, a pin projecting from the outer side of said diaphragm ring and engaging in said angular slot and adapted to turn said diaphragm adjusting ring according to the shape of said angular slot during the axial displacement of said first mentioned ring.

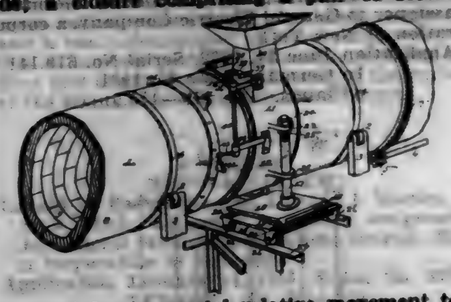
2,030,644
AXLE BEARING LUBRICATION DEVICE
Walter Lehmann, Wuppertal-Elberfeld, Germany, assignor to Walter Peyinghaus, trading as Eisen- u Stahlwerk Walter Peyinghaus, Egge, near Volmarstein a. d. Ruhr, Germany
Application May 9, 1934, Serial No. 724,895
In Germany March 17, 1934
1 Claim. (Cl. 308—86)



An oil delivery plate of elongated shape, for axle bearing lubricating means more particularly for rail vehicles, having ribs on its surface, a throwing edge, and running off edges which are inclined at an angle of about 60° to the axis of symmetry of the plate and are sharpened and run out into a dripping point, the throwing edge being curved at its ends to meet the running off edges, forming rounded upper corners of the plate, and the ribs also being curved at their ends like the throwing edge.

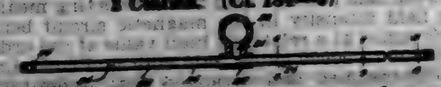
2,030,645
DRYING AND MIXING MECHANISM
Everett E. Lockridge and Louis W. Meyer, Pekotsky, Mich.
Application August 22, 1935, Serial No. 37,324
14 Claims. (Cl. 214—18)

1. A mechanical organization comprising, in combination, a hollow cylindrical element mounted for rotation about its approximately horizontal axis and having a port through its side; a closure comprising a pair of sections



mounted for transaxial relative movement to a position embracing the sides of said element and closing the port and a reverse movement opening the port.

2,030,646
LUBRICATING DEVICE
Joseph Longo, Syracuse, N. Y.
Application September 28, 1934, Serial No. 745,423
2 Claims. (Cl. 184—6)



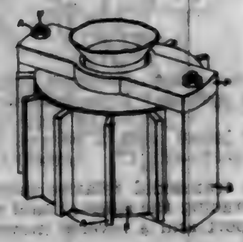
1. A lubricating device for overhead valves comprising an oil reservoir connected with the rocker arm shaft, a distributor pipe connected with the reservoir and disposed adjacent the push rod engaging ends of the rocker arms and in spaced parallel relation to the said shaft, and having a longitudinal series of downwardly stepped apertures therein for uniformly lubricating the push rod and rocker arm assemblies.

2,030,647
SPLASH OILING SYSTEM
Robert M. McMillin and Alex Taub, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 2, 1934, Serial No. 728,688
10 Claims. (Cl. 184—11)



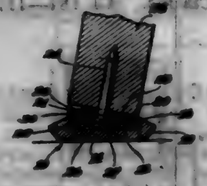
1. In a lubricating system for internal combustion engines having an oil receptacle and a connecting rod interconnecting the wrist pin of a piston with the crank pin of a crank shaft, means on the connecting rod to take up a quantity of oil from the receptacle when the crank shaft rotates, means in the connecting rod and crank shaft pin to enable the oil to pass from the said first-named means to the interior of the crank shaft pin, and an oil passage in the connecting rod to enable the oil to pass from the crank shaft pin to the wrist pin of the piston.

2,030,648
MAGNET SYSTEM
Alexander Meissner, Berlin-Dahlem, Germany, assignor to General Electric Company, a corporation of New York
Application June 24, 1932, Serial No. 619,141
In Germany June 25, 1931
6 Claims. (Cl. 179—115.5)



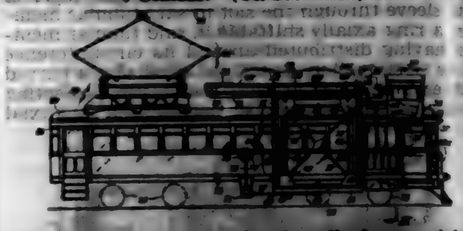
1. An electrodynamic loudspeaker driving unit comprising a core, a magnet coil surrounding said core, magnetic flux conducting means to complete a magnetic circuit through said core, a metal shell surrounding said coil and mounted between said coil and said flux conducting means, the field intensity in the magnetic circuit being maintained at a relatively high value of the order of 18000 to 20000 gauss, said core and coil being so dimensioned and arranged that undesirable temperature rise tends to occur in the coil at said field intensity, and means to prevent said undesirable temperature rise in the magnet coil at said field intensity, said means including cooling ribs forming part of said shell and a filling of insulating material having relatively very high heat conductivity arranged in the gap between said coil and shell.

2,030,649
FURNITURE LEG SHOE
Robert E. Miller, Bronxville, N. Y.
Application August 4, 1934, Serial No. 738,437
3 Claims. (Cl. 16—42)



1. A furniture leg shoe comprising an outer rigid member and an inner resilient element, said outer member having a floor-engaging surface and an upwardly opening cavity, and said inner element being positioned within said cavity, and the rim portions surrounding the mouth of said cavity being adapted to engage the lower surface of a furniture leg associated with the shoe, and the periphery of said floor-engaging surface lying outside of the vertical projection of said furniture leg engaging rim portion at all points thereof, means on said resilient portion engaging cooperating means on said outer member for retaining said resilient element within said outer portion, and means for fastening said resilient element to a furniture leg, said fastening means having an enlarged head at one end thereof adapted to engage said resilient inner element and retain it thereon when said fastening means has passed through said element and is in place in a furniture leg.

2,030,650
TROLLEY PATROL CAR
Robert N. Miller, Altoona, Pa.
Application November 6, 1931, Serial No. 573,257
7 Claims. (Cl. 105—338)



5. A car of the character described comprising, in combination with a car body and running gear, an overhead trolley extensible and retractible upward and downward from and toward the car roof at one end thereof, an observation cabin extending above the car roof at the other end thereof, and affording the occupant a view of the trolley wire and of the trolley when the latter is extended and engaged with said wire, so that the trolley may serve as a gauge of the height and alignment of the trolley wire relative to the track, and a tower structure between said cabin and trolley extensible upward from the car roof to permit working therefrom on the trolley wire, and retractible downward out of the way so as to leave unobstructed the view of the trolley wire and trolley from the cabin.

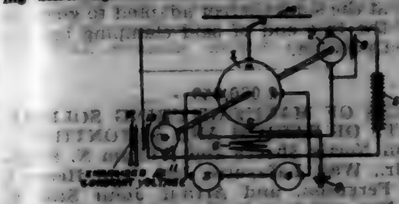
2,030,651
STORAGE BATTERY CHARGE INDICATOR
Frederick J. Pease, Wauwatosa, Wis., assignor to Clum Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 22, 1930, Serial No. 503,043
3 Claims. (Cl. 136—182)



2. A circuit comprising the electrodes of one battery cell, the electrolyte of a second battery cell, an auxiliary electrode in said second battery cell and a low resistance electromagnetic indicating instrument, said electrode having a substantially constant exposed area such that the electrical resistance of the electrolyte to which said area is exposed is at least as great as that of all of the remainder of the circuit including the resistance of said instrument.

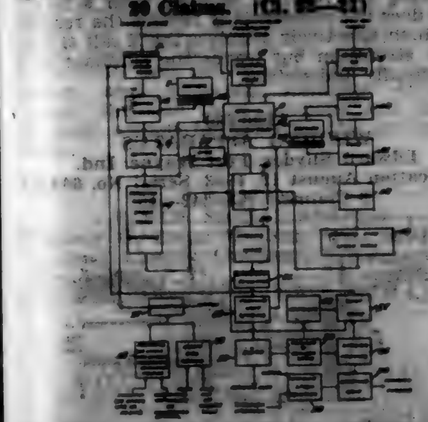
2,030,652
DIRECT ELECTRIC CURRENT TRANSFORMER DEVICE
Giuseppe Massimo Pestarini, Great City, N. Y.
Application May 7, 1934, Serial No. 724,324
In Great Britain May 9, 1933
7 Claims. (Cl. 171—119)

1. A power system including a source of electrical power supply, a commutating type metadyne transformer having a rotor provided with a primary brush set connected to said source of electrical power supply and a secondary brush set electrically displaced from said primary brush set, a field exciting winding for said metadyne transformer, a first dynamo-electric machine, a second dynamo-electric machine, means for driving said dynamo-electric machines at a speed



having a predetermined relation to the speed of said metadyne transformer, means including said first dynamo-electric machine and a battery for energizing said field exciting winding, means utilizing said second dynamo-electric machine to vary the excitation of said field exciting winding for maintaining the speed of said metadyne transformer substantially constant, and a load circuit connected to said secondary brush set.

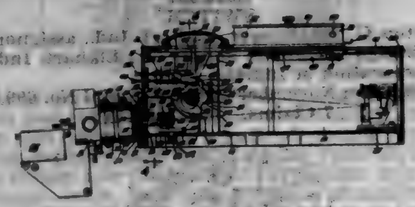
2,030,653
FIREPROOFING
Robert C. Quinn, Glens Falls, N. Y., assignor to International Paper Company, New York, N. Y., a corporation of New York
Application December 18, 1931, Serial No. 581,825
20 Claims. (Cl. 92—21)



1. A continuous process for making fibre board, comprising the steps of preparing a stock solution of commerical monoammonium phosphate and boric acid of predetermined quantity and concentration, and containing finely divided colloidal material, adding a portion of said solution to coarse fibre stock, simultaneously subjecting other fibrous stock to a refining operation in the presence of another portion of said solution to form fine fibrous stock, separately screening the said coarse and said fine stock, commingling the stocks with an emulsion of size, wax and chlorinated naphthalene or the like, subjecting the mixture to beating action, forming the mixture into boards, recovering the solution expressed during the forming step, adding the recovered solution to the stock solution, drying the board, moistening the surfaces of the board with ammonia solution, and replenishing the stock solution with the amount removed from the system by the board, thereby maintaining a substantially constant amount of solution in contact with the fibre stock.

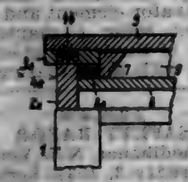
9. A process of making fibre board which comprises mixing ammonium phosphate, boric acid and a non-inflammable water-proofing composition with fibres in fluid suspension, forming such fibre into board, drying and treating the surfaces of the board with a solution of ammonia.

2,030,654
OSCILLOGRAPH
Gerald M. Rassweiler and Edward J. Martin, Detroit, Mich., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 14, 1931, Serial No. 508,668
5 Claims. (Cl. 171—95)



1. In an oscillograph, a rotating mirror, a surface upon which a light diagram is made by light reflected from said mirror, shadow-forming means to intercept the light beam between the mirror and the surface, and means to secure said light-intercepting means in predetermined positions corresponding to positions of parts of the mechanism being investigated.

2,030,655
COMBINED BILLIARD TABLE AND EXPANDING TABLE
Rudolf Roch and Henary Rosh, Dresden, Germany
Application August 27, 1934, Serial No. 741,599
In Germany August 28, 1933
5 Claims. (Cl. 272—4)

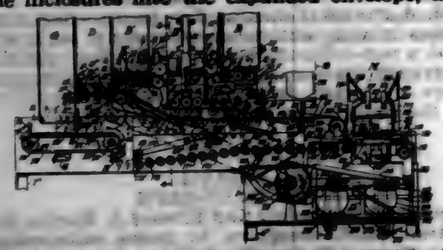


1. A combination extension and billiard table, comprising a frame, legs supporting said frame, a billiard bed supported by said frame in a plane below the same, guiding means provided in said frame, and a divided table top composed of removable sections in sliding engagement with said guiding means for horizontal inward and outward displacement.

2,030,656
MECHANISM FOR ASSEMBLING AND INSERTING INCLOSURES IN ENVELOPES
David O. Reyster, Overland, Mo.
Application February 17, 1933, Serial No. 657,185
30 Claims. (Cl. 93—6)

1. In an apparatus of the character described, the combination comprising a feed-plate having a projecting end for expanding the mouth of an envelope, envelope-supporting means shiftable for engaging an envelope on the envelope-expanding end of the feed-plate, means for assem-

bling a plurality of inclosures, means for feeding the inclosures into the expanded envelope, and



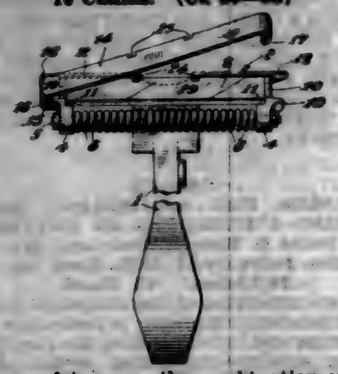
means including a roller shiftably carried by the support for sealing the envelope.

2,030,657
SWITCH
Newton C. Schollenger, Elkhart, Ind., assignor to Chicago Telephone Supply Co., Elkhart, Ind., a corporation of Indiana
Application November 24, 1933, Serial No. 699,490
7 Claims. (Cl. 200—67)



1. A snap switch comprising an insulating housing member, a stationary spring contact element comprising a contact portion and a shank portion, means securing said shank portion to said housing, an insulating actuator arm, a movable contact element carried on said actuator arm, means pivotally mounting said actuator arm on said housing, actuating means including a one piece actuator element, said pivotal mounting means pivotally mounting said actuator element on said housing, and spring means interposed between said actuator element and said arm, said actuator element being U-shaped and having provided in one of the legs thereof an open slot for engagement with an actuating member.

2,030,658
SAFETY RAZOR
Erwin Schoellbaser, New York, N. Y.
Application February 3, 1934, Serial No. 709,549
10 Claims. (Cl. 30—46)

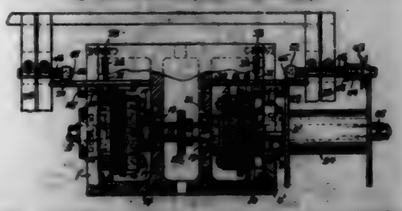


1. In a safety razor, the combination of a holding member, a clamping bar hinged at one end of said holding member for clamping a razor blade in operative position, the opposite end of said bar having a projection adapted to snap over the other end of the holding member to hold the bar in position, said other end of the holding member having a pair of raised projections extending along the sides of said clamping bar, said projections having upwardly and outwardly tapering surfaces at the sides thereof adapted to guide the sides of the free end of said clamping bar into its closed position.

2,030,659
PROCESS OF MANUFACTURING SOLUBLE SALTS OF BARIUM AND STRONTIUM
Randolph Norris Shreve and William N. Pritchard, Jr., West Lafayette, Ind., and Henry V. Farr, Ferguson, and Arthur John Still, St. Louis, Mo., and Jasm D. Crosby, Arlington, N. J., assignors to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri
No Drawing. Application December 19, 1934, Serial No. 758,638
13 Claims. (Cl. 23—91)

1. The process of manufacturing soluble salts of barium or strontium which comprises treating barium or strontium sulphate with a salt of the type MX, where M represents a basic radical selected from a group composed of calcium, magnesium, and aluminum, and X represents an acid radical capable of forming, with barium or strontium, the desired soluble salt, in such a manner that a double decomposition reaction takes place, forming a mixture of the sulphate of M and the X salt of barium or strontium, and thereafter extracting the reaction mixture with a solvent which does not substantially reverse the reaction and which selectively dissolves the X salt of barium or strontium but leaves the sulphate of M substantially undissolved.

2,030,660
WINDING APPARATUS
Edward Snyder, Fort Wayne, Ind.
Application August 12, 1933, Serial No. 684,876
9 Claims. (Cl. 242—45)



1. In winding apparatus having a stock and traverse mechanism including a brake operated thereby, a spool supporting spindle rotatively mounted in said stock provided with an axially disposed stem, a brake drum supported rotatably in said stock and also on said stem engageable by said brake, a spur gear secured on said stem, a drive head mounted rotatably on said stem provided with planetary step gears operatively associated with said brake drum and spur gear, and an actuating rotative arbor axially alined with said stem operatively associated with said drive head.

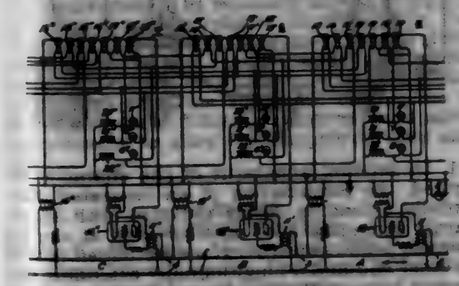
2,030,661
CLOTHING CONTAINER
Abraham Simon, Brooklyn, N. Y.
Application March 12, 1935, Serial No. 10,911
3 Claims. (Cl. 312—144)

1. A clothing container comprising a main body section constructed of a single sheet of flexible light weight material which is scored to define the side walls and closure of the container, end sections each comprising a panel and integrally formed inwardly directed marginal side, front and rear flanges, constructed of flexible light weight material and a marginal frame of rigid strips of material encompassing the outer portions of the flanges adjacent the juncture of the flanges with the panel and having their adjacent ends connected by metallic angle members with securing means extending through



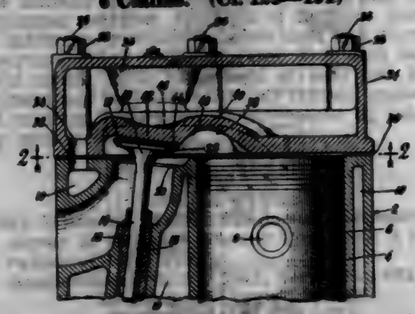
the ends thereof and through the said strips and flanges, said frame surrounding the opposite ends of the body section when telescopically interfitted with the end sections and said flanges providing flexible inner portions extending inwardly beyond the frame, which inner portions may be spread apart to permit of the wedging of the end sections over the opposite ends of the body section, and fastening elements extending through the said inner portions and through the body section for securing the sections together.

2,030,662
BLOCK SIGNAL SYSTEM
Chauncey G. Suits, Madison, Wis., assignor to General Electric Company, a corporation of New York
Application December 5, 1929, Serial No. 411,929
29 Claims. (Cl. 246—34)



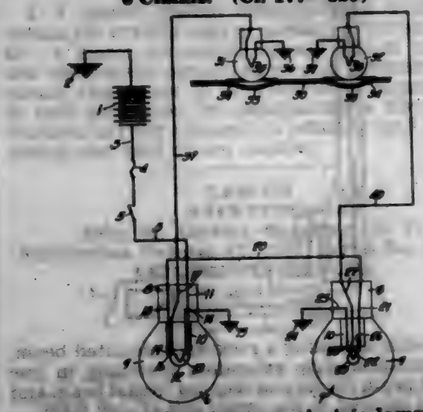
1. In a railway block signal system, a single electron discharge device in each block, means for controlling each of said discharge devices in accordance with track conditions in the respective block, means in each block for producing a plurality of indications, and means controlled entirely by said single discharge devices for causing said indicating means to produce indications in accordance with track conditions in the different blocks.

2,030,663
VENTURI TYPE CYLINDER HEAD
Caleb K. Summers, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 20, 1933, Serial No. 657,634
6 Claims. (Cl. 123—191)



1. In an internal combustion engine having inlet and exhaust valves and a combustion chamber, said engine having a jacketed cooling system, a non-recessed solid boss extending from the cooling system into the combustion chamber over the exhaust valve, said boss having a substantially round flat surface in close proximity to the valve when the latter is in open position.

2,030,664
FLASHING SIGNAL SYSTEM FOR MOTOR VEHICLES
Hans F. Theilacker, South Bend, Ind.
Application March 18, 1935, Serial No. 11,657
6 Claims. (Cl. 177—329)

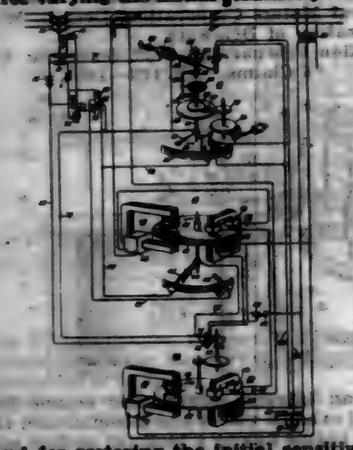


5. In a signal system, an electric lamp having a filament, a conductor spaced from said filament, and a thermally responsive member connected with a source of power and normally engaging said filament; and a second lamp connected to the conductor of the first lamp, said thermally responsive member being shiftable into engagement with said conductor to energize said second lamp and deenergize said first lamp periodically.

2,030,665
PROTECTIVE APPARATUS
Oliver C. Traver, Drexel Hill, and Charles R Mason, Media, Pa., assignors to General Electric Company, a corporation of New York
Application April 26, 1934, Serial No. 722,516
18 Claims. (Cl. 175—294)

1. In combination, an electric circuit, a fault responsive graded time action relay connected to

be energized from said circuit and means operative substantially immediately in response to a fault for varying the initial sensitivity of said relay and for restoring the initial sensitivity after the lapse of one of the graded times of operation thereof.

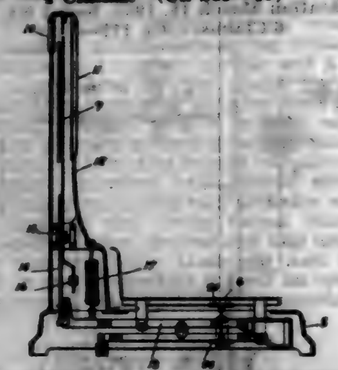


2,039,606
SCALE

Harold L. Walker, Brooklyn, N. Y., assignor to The Jacobs Bros. Co. Inc., Brooklyn, N. Y., a corporation of New York

Application May 11, 1933, Serial No. 670,550

4 Claims. (Cl. 265—39)



1. A scale including a rockingly mounted beam, a thermostatic strip extending vertically in line with the beam pivots and secured to said beam and a weight secured to the upper end of said strip.

2,039,607
SCALE

Harold L. Walker, Brooklyn, N. Y., assignor to The Jacobs Bros. Co. Inc., Brooklyn, N. Y., a corporation of New York

Application January 19, 1933, Serial No. 652,457

5 Claims. (Cl. 265—39)



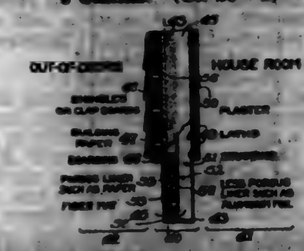
1. A scale including a load receiving member, a registering mechanism connected thereto and responsive to the movements thereof, a cover member extending adjacent said registering mechanism and occupying a position to conceal the same, a spring tending normally to maintain said cover member in such position, said cover being shiftable to a position to reveal said mechanism, and means responsive to movement of said load receiving member and engaging said cover member to prevent the latter from occupying its normal position.

2,039,668
MEANS FOR INSULATING WALLS

Frederick Weyerhaeuser and John S. Busch, Cloquet, Minn., assignors to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware

Application August 26, 1933, Serial No. 686,561

6 Claims. (Cl. 20—4)



1. A flexible heat insulating blanket for use in house walls and the like in position to include the dew point in cold weather, comprising a flexible insulating core, a flexible creped sheet liner impervious to moisture or moist air, said liner being secured to one face of said core for use on the warm side of said wall, and a flexible creped moisture-pervious sheet on the other face of said core.

2,039,683
TRACK SANDER

William H. White, Roanoke, Va., assignor to Morris B. Brewster Co. Inc., Chicago, Ill.

Application February 6, 1934, Serial No. 710,787

3 Claims. (Cl. 291—3)



1. In sanding apparatus of the character described, the combination of an elongated, horizontally extending casing provided with an upwardly extending inlet duct for sand at one end thereof, a downwardly extending outlet duct at its other end and a longitudinally extending trap conduit between the two ducts, a horizontal nozzle extending through and secured removably in said one end of the casing and connected to receive fluid under pressure and to direct the fluid longitudinally through the trap conduit in order to force through the outlet duct the sand delivered into the casing via the inlet duct, and a horizontal housing around the nozzle projecting inwardly into the trap conduit from said one end of the casing and designed to prevent sand from escaping from the casing when the nozzle is removed.

2,039,670
PROCESS OF PREPARING METALLIC BARIUM FOR INTRODUCTION INTO ELECTRIC DISCHARGE DEVICES

Erich Wiegand, Berlin-Waidmannslust, Germany, assignor to General Electric Company, a corporation of New York

No Drawing. Application July 21, 1934, Serial No. 735,839. In Germany August 30, 1933

3 Claims. (Cl. 148—13)

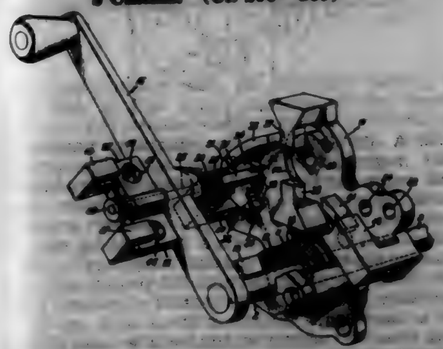
1. The process of treating metallic barium for introduction into electric discharge devices comprising distilling barium of a commercially obtainable purity, tempering the distilled metal near its melting point and rapidly cooling the same uniformly to distribute any traces of impurities therein, and applying a vaporizable non-oxidizing coating to said tempered metal to preserve the same.

2,039,671
ELECTRIC SWITCH

Ernest Williams, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application July 11, 1934, Serial No. 734,577

3 Claims. (Cl. 200—168)



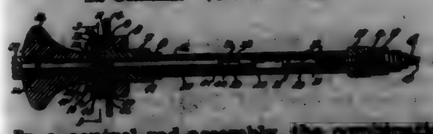
3. Switch operating mechanism comprising a switch operating handle arranged to be moved in the same direction from an open circuit position through a closed circuit position to a grounding position, and means for retaining the handle temporarily in said closed circuit position, said means including a member carried by said handle and constructed to be manually moved longitudinally and rotatively relative to the handle, and a fixed stop arranged to be engaged by said member when the handle reaches said closed circuit position, said member and stop having cooperating portions requiring successive movements of the member longitudinally, rotatively and again longitudinally to allow the member to pass said stop.

2,039,672
CONTROL DEVICE

Robert K. Wheeler, Wauwatosa, Wis., assignor to Cline Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application February 17, 1933, Serial No. 657,675

12 Claims. (Cl. 74—502)



1. In a control rod assembly, the combination with an apertured mounting and a ball detent positioned in the aperture thereof, of an apertured hollow control rod reciprocable within said mounting and with the walls of the aperture of which said ball detent is engageable upon the registration of said aperture with that of the mounting, and means carried by said control rod for initially moving said ball detent from its rod engaging position, the wall of said rod being of a thickness suitable to move said ball from the aperture after initial movement of said ball by said means upon movement of said rod, but to engage said ball and positively prevent movement of said rod before initial movement of said ball by said means.

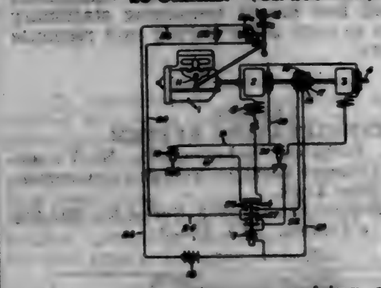
2,039,673
POWER SYSTEM

Otto Wünsche, Berlin-Friedenau, Germany, assignor to General Electric Company, a corporation of New York

Application July 21, 1932, Serial No. 623,618

In Germany August 1, 1932

25 Claims. (Cl. 290—17)



1. A power system comprising a generator, means for driving said generator, a driven member, a motor connected to said driven member and electrically connected to said generator, and means responsive to an electrical characteristic of said generator for establishing a direct mechanical driving connection between said driving means and said driven member.

2,039,674
SAFETY PIN

John M. Abrams, Brooklyn, N. Y.

Application October 15, 1935, Serial No. 45,023

5 Claims. (Cl. 24—162)



1. A safety-pin formed of spring wire and embodying a body portion or shank terminating at one end in a spring hinge and pin section, the opposite end terminating in an arcuate section, a pin guard secured over the arcuate section to receive the free end of the pin section, and a coil element movably secured to the guard and adapted to be moved by the pin section in closing the pin until the same slips into the outermost convolution to be retained within the coil until the latter is manually moved.

2,039,675
BLOCK SIGNAL SYSTEM

Weber H. Arkenburgh, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

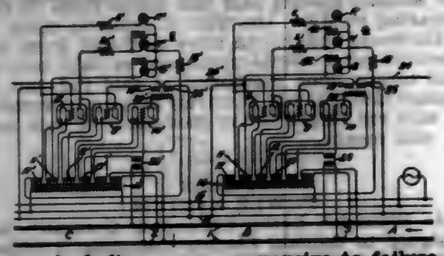
Application December 5, 1929, Serial No. 411,966

Renewed July 12, 1933

14 Claims. (Cl. 246—34)

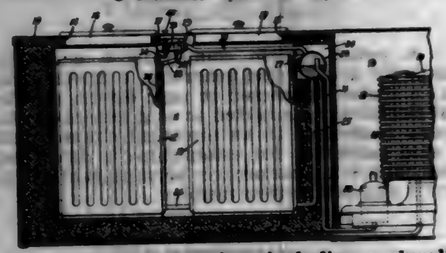
10. In a railway block signal system, the combination of clear, caution and danger signals in

each block, means all of the component parts of which are stationary with respect to each other for energizing the danger signal when the respective block is occupied and for selectively energizing the caution and clear signals dependent upon the track condition of an adjacent block, said



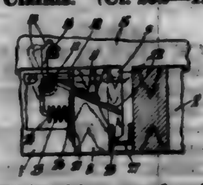
means including means responsive to failure of any of said signals to produce an indication which is more restrictive than the indication produced by the signal which failed all of the component parts of said last means remaining stationary with respect to each other during said response to said failure.

2,039,676
REFRIGERATING SYSTEM
Leonard W. Atchison, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 29, 1933, Serial No. 691,476
6 Claims. (Cl. 62—3)



1. A refrigerating system including a plurality of flooded evaporators, a conduit connecting the lowermost portion of one of said evaporators to the others, means for supplying liquid refrigerant to said evaporators, means for withdrawing gaseous refrigerant from said evaporators, and means controlling the withdrawal of gaseous refrigerant from one of said evaporators for maintaining said one evaporator at a predetermined temperature higher than that of the others of said evaporators.

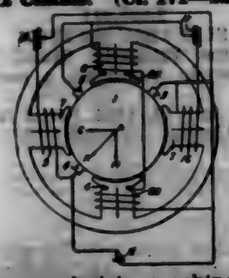
2,039,677
DOOR LOCK
Albert E. Avels, Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 21, 1934, Serial No. 712,286
3 Claims. (Cl. 292—129)



1. Concealed latching mechanism for one of a pair of cooperating swinging doors which are closed and latched in succession with their swinging edges in end to end relation, said mechanism including an oscillatory operating handle located within a radial recess in the swinging edge of the door and ended within said edge, a plate over the inner end of the recess having a bifurcated end, a part of which lies in the plane of the plate to receive the handle with the remainder thereof extending angularly from the plate and terminating in curled eyes, and a rockshaft projecting vertically through said eyes interiorly of the door structure for actuation by said oscillatory handle

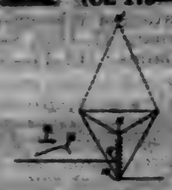
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2,039,678
DYNAMO-ELECTRIC MACHINE
Sven R. Bergman, Nahant, Mass., assignor to General Electric Company, a corporation of New York
Application August 29, 1934, Serial No. 741,942
12 Claims. (Cl. 171—223)



12. A dynamo-electric machine having two field magnetic circuits, an armature provided with a commutator, load brushes and an auxiliary brush associated with said commutator, means including a field exciting winding connected across said auxiliary brush and one of said load brushes arranged to magnetically excite one of said field magnetic circuits for producing a substantially constant difference of electrical potential between said auxiliary brush and one of said load brushes, means including a second field exciting winding connected across said load brushes arranged to magnetically excite the other of said field magnetic circuits for producing a variable difference of electrical potential between said load brushes equal to the algebraic sum of the voltages between said auxiliary brush and each of said load brushes, and means including an impedance connected in series with said second field exciting winding for limiting the flow of electric current through said second field exciting winding due to the transformer action between said second field exciting winding and said armature.

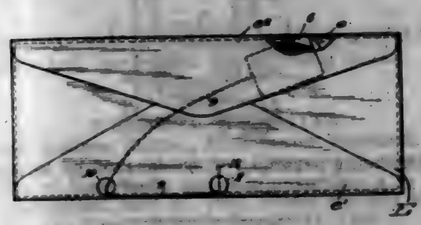
2,039,679
PROTECTION OF ELECTRIC CIRCUITS
Louis F. Blume, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application August 17, 1934, Serial No. 740,256
13 Claims. (Cl. 175—294)



1. In combination two electric circuits of different operating voltages, transforming means

provided with a neutral and including windings connecting said circuits directly in series with each other, means connected in parallel relation with said windings for limiting voltage differences between said two circuits to a predetermined value, and voltage responsive discharge means connected between said neutral and ground.

2,039,680
ADVERTISING DISPLAY DEVICE
Aaron Bedenweiner, Chicago, Ill., assignor to Rotary Brush Company, Chicago, Ill., a corporation of Illinois
Application August 29, 1934, Serial No. 741,897
6 Claims. (Cl. 40—67)



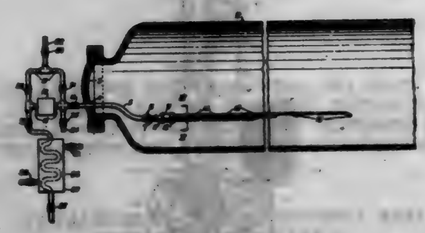
1. In combination with an envelope having a sealing flap at the upper margin of the front thereof, an advertising display device comprising a comparatively small card provided with advertising material on at least one face thereof, and adapted to be disposed in the envelope when the latter is sealed by the flap, and means for automatically swinging the card outside of the envelope when the latter is opened by unsealing the flap or by tearing or cutting the adjoining margins of the flap and envelope front formed from spring wire and including an arm extending along the bottom of the envelope and a second arm having one end thereof connected to the card and its other end joined to the other end of said one arm and adapted to assume a bent position when the card is in the envelope and to spring into a normal position at substantially right angles to the first mentioned arm upon opening of the envelope as aforesaid.

2,039,681
SPRING MEANS FOR CAR TRUCK BOLSTERS
Charles E. Busch, Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a corporation of New York
Application July 14, 1934, Serial No. 735,174
6 Claims. (Cl. 105—197)



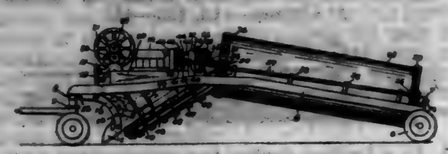
1. Spring means for car-truck bolsters, including, in combination, side frames, a spring plank rigidly attached to the frames, a bolster, supporting springs between the ends of the bolster and spring plank, and an equalizing leaf spring bearing upwardly at its middle portion upon the bolster and having means at its ends to provide sliding contacts with the spring plank, the supporting springs being so arranged as to provide longitudinal spaces between them, and the sliding contacts being in the spaces.

2,039,682
APPARATUS FOR TREATING OR SAMPLING SUBSTANCES
Eugene G. Campbell, Pittsburgh, Pa.
Application September 20, 1930, Serial No. 485,571
13 Claims. (Cl. 73—21)



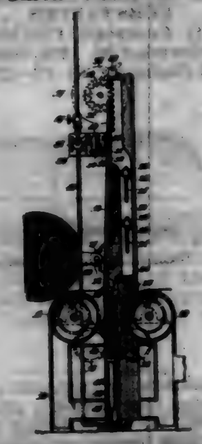
1. In combination, a container, and proportioning apparatus comprising a plurality of proportioning tubes, each extending to a different extent within said container so as to communicate with a different zone of the container, and flow regulating devices, one cooperating with each tube and each device having a flow controlling orifice of materially smaller area than the flow area of the tube with which it cooperates.

2,039,683
ROAD SURFACE MIXER
Thomas E. Chamberlain, Wilkeson, Wash.
Application December 2, 1933, Serial No. 700,663
1 Claim. (Cl. 94—41)



In a road surface mixer, the combination of a longitudinal frame, wheels supporting the frame, a cylinder open at both ends, mounted for rotary movement longitudinally upon the frame, a plurality of vanes fixed longitudinally to the inside of the cylinder, a plurality of fans mounted for rotary motion within the cylinder, said cylinder slanting downwardly from its forward to its rear end, a conveyor belt supported by the frame and extending in a slanting direction upwardly and directly into the forward end of the cylinder, a scoop supported by the frame immediately forward of the conveyor belt, and means for causing rotary movement of the conveyor belt, cylinder and fans, whereby road surfacing material is scooped up from the ground by the scoop when the mixer is moved over the ground and conveyed directly into the forward open end of the cylinder by the conveyor belt where it is elevated by the vanes within the revolving cylinder, dropped onto the revolving fans, mixed thereby and moved to the open rear end of said revolving and slanting cylinder where it is deposited back upon the ground.

2,030,654
AUTOMATIC CUT-OFF FOR CLOTH BATCHERS
Nelson K. Coleman, Asheville, N. C., assignor to Sayles Biltmore Bleacheries, Inc., Biltmore, N. C., a corporation of Rhode Island
Application July 16, 1935, Serial No. 31,658
10 Claims. (Cl. 242—65)



7. The combination with a cloth batching machine including a cloth shell carriage having up and down movement; of a cloth cutting knife, and means operated by the carriage in its down movement to move the knife so as to cut the strand of the cloth fed across the knife.

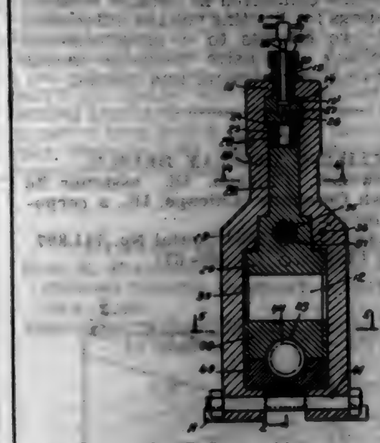
2,030,685
FEEDING MECHANISM FOR ROCK DRILLS
John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application June 27, 1934, Serial No. 732,698
10 Claims. (Cl. 255—45)



1. In a feeding device, the combination with a support and a motor slidable thereon, a hammer reciprocable within said motor imparting jars thereto to reciprocate the motor relatively to the support, of a tube having a piston reciprocable therein, a connection between said motor and said piston for transmitting the reciprocation of the former to the latter, non-compressible fluid within said tube on both sides of said piston normally displaced within the former due to the reciprocatory movement of the latter, and means for selectively controlling the displacement of the fluid within said tube in a manner preventing the movement of said piston and consequently of said motor in one or the other direction.

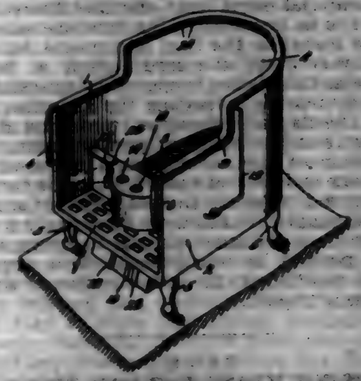
2,030,686
IMPACT DEVICE
Lewis K. Davis, Hampton, N. J.
Application September 22, 1931, Serial No. 564,491
6 Claims. (Cl. 140—113)

1. In an impact press, the combination of a frame, a piston slidable therein, means for receiving a charge of combustible material for generating gas to act on said piston and move the same, and shearable means on the frame engaging the piston for resisting movement thereof, said



means being arranged to be sheared by said piston at a predetermined gas pressure.

2,030,687
BATHTUB
Norman C. Davis, Baltimore, Md.
Application July 12, 1935, Serial No. 31,278
14 Claims. (Cl. 4—173)

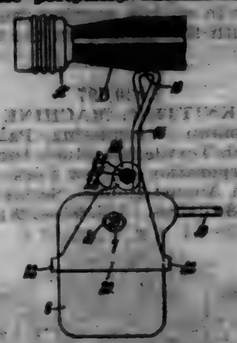


1. A bathtub having front, rear and side wall portions, and comprising a shallow section and a deep section, said deep section forming a foot well and the bottom of said shallow section forming a seat for the bather and an inner step adjacent to a wall portion affording easy passage from said bathtub over said latter wall portion, and said latter wall portion having an outside step adjacent thereto affording easy passage over said latter wall portion into the bathtub.

2,030,688
FEELER MECHANISM FOR LOOMS
Sherwood O. Dodge, Medford, Mass., assignor to Guaranteed Parts, Inc., Allston, Mass., a corporation of Massachusetts
Application July 9, 1934, Serial No. 734,975
7 Claims. (Cl. 139—331)

1. In a feeler mechanism for looms, the combination of a feeler stand, a yieldable side slipping feeler mounted thereon, a bracket adjustably mounted upon said stand, and a roller

mounted upon said bracket and having a groove formed in the periphery thereof in which the



feeler is supported and guided as it is moved forwardly and rearwardly on detecting beats.

2,030,689
WELDING APPARATUS
James Andrew Derrat, Manchester, England, assignor to General Electric Company, a corporation of New York
Application July 31, 1933, Serial No. 682,692
In Great Britain August 11, 1932
12 Claims. (Cl. 219—8)



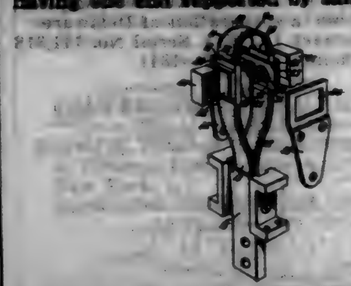
1. Welding apparatus comprising a welding agency, means for directing said welding agency along a predetermined closed path, and means for moving said welding agency more than one complete revolution in one direction about said path while welding and for moving said agency while not welding the distance greater than one revolution that said welding agency has traveled about said path during welding, said last mentioned movement occurring at one end of the welding movement and said moving means initiating and terminating its movement at a predetermined point in said path.

2,030,690
TAR ACID PRODUCT AND PROCESS OF PRODUCING IT
Charles Raymond Downs, Old Greenwich, Conn., and Robert Paul Weiss, New York, N. Y., assignors to Weiss and Downs, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 20, 1934, Serial No. 744,758
6 Claims. (Cl. 202—65)

1. The process of treating cresylic acid to render its color stable to light which includes distilling and treating said cresylic acid with about 2% of maleic anhydride before said distilled cresylic acid has become discolored.

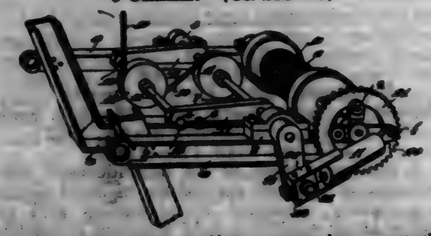
2,030,691
ELECTRIC SWITCH
Reginald O. Eaton, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application May 21, 1932, Serial No. 613,633
9 Claims. (Cl. 200—171)

1. In a switch, a movable switch member comprising a flexible conductor, a contact plate secured to one side of said conductor, a spring guide secured to the other side of said conductor opposite said contact plate, a compression spring having one end supported by said spring guide,



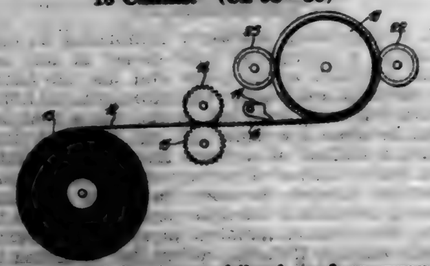
a second spring guide supporting the other end of said spring, and an operating member connected to said spring guides for operating said switch member and for supporting said guides.

2,030,692
ATTACHMENT FOR SPUDDING AND DRILLING MACHINES
William J. Edwards, Wichita Falls, Tex.
Application October 7, 1935, Serial No. 43,910
6 Claims. (Cl. 255—7)



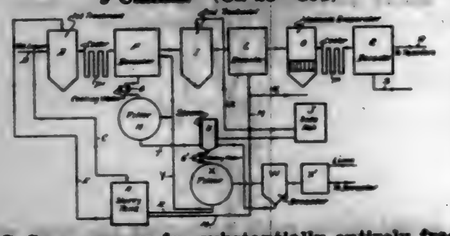
1. A cable reciprocating apparatus comprising in combination with a cable drum having a driving wheel, arms connected to an oscillating shaft carrying a sheave, a crank on said shaft and having yielding, pitman connection to the driving wheel of said drum, a shaft having its ends adjustably journaled in the ends of said arms and also carrying a freely mounted sheave whereby to guide a cable over said first sheave onto said drum during oscillation of said arms by said drum gear and pitman.

2,030,693
LAMINATED PAPER BARREL
James A. Eden, Springfield, Mass.
Application March 23, 1934, Serial No. 716,936
18 Claims. (Cl. 93—36)



1. A barrel having a bilged surface wrapped circumferentially in successive layers with a continuous strip of paper longitudinally expanded progressively towards its central zone relative to its side edges to conform to the bilged surface and to form a smooth unbroken bilged layer.

2,030,634
PURIFICATION OF CAUSTIC SODA
Harvey G. Elledge and Alfred Hirsch, Painesville, Ohio, assignors to Diamond Alkali Company, Painesville, Ohio, a corporation of Delaware
Application February 15, 1934, Serial No. 711,318
9 Claims. (Cl. 23—184)



9. In a process for substantially entirely freeing caustic soda liquor of silica, alumina and iron, the steps of treating such liquor with strontium in the form of the sulphate, removing the precipitated impurities, recovering substantially all the strontium in the form of the carbonate and treating an additional portion of such liquor with a portion of the recovered strontium carbonate, such additional portion of caustic soda liquor being of a concentration sufficient to dissolve said strontium carbonate.

2,030,635
ELECTRIC LAMP
Bernhard Erber, Vienna, Austria
No Drawing. Application April 22, 1933, Serial No. 667,511. In Austria May 7, 1932
2 Claims. (Cl. 176—129)

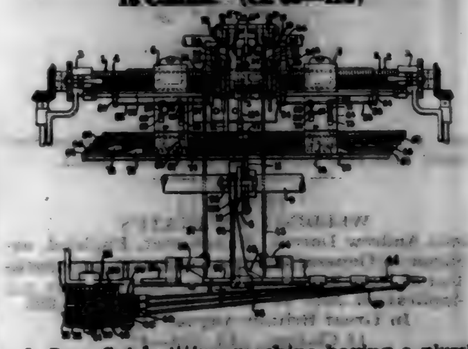
1. A luminous body of an incandescent lamp comprising a filament consisting of solid carbon and a tightly adherent homogeneous and coherent coating enclosing said filament consisting of a carbide of one of the metals of the tantalum group.

2,030,696
DISPENSING CONTAINER
John S. Forster, Pittsburgh, Pa., assignor of one-half to Raymond Schmidt, Pittsburgh, Pa.
Application February 25, 1935, Serial No. 7,569
3 Claims. (Cl. 221—60)



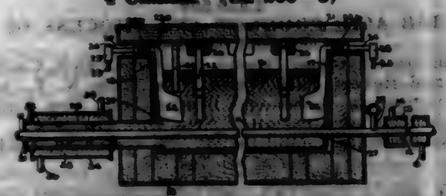
1. A dispensing container comprising in combination, a collapsible tube closed at one end, a top provided on the other end, the top having an opening extending therethrough, a hollow cylindrical neck provided on the top, a seat provided between the neck and top, the seat simulating a surface of a conic frustum inverted, a cork washer disposed in the neck, a substantially spherical closure member having a discharge opening extending therethrough disposed in the neck, the closure member pressing the washer tightly against the seat, means for retaining the closure member in engagement with the cork washer, an eye member carried by the closure member providing means for operating it, the eye member being disposed at right angles to the opening through the closure member and midway between the ends of the opening, the neck having a U-shaped notch therein to permit the operation of the eye member to rotate the closure member to set the opening therethrough in alinement with the opening in the top.

2,030,697
KNITTING MACHINE
Albert Friedmann, Wyomissing, Pa., assignor to Louis Hirsch Textile Machines, Inc., New York, N. Y., a corporation of New York
Application August 3, 1935, Serial No. 34,431
15 Claims. (Cl. 66—123)



1. In a flat knitting machine having a plurality of longitudinally reciprocable carrier rods, means for arresting the traverse of the carrier rods at an intermediate point which consists of a pair of threaded, independently rotatable, spindles, a nut upon each spindle provided with individual stops for each rod and movable longitudinally thereof upon rotation thereof, stops upon each carrier rod engageable with the related stop upon each nut, means for rotating each spindle in either direction, means for rendering said rotating means operative and inoperative upon either spindle independently of the other and means for operating said last mentioned means in timed relation to the knitting cycle.

2,030,698
IMMERSION TUBE TYPE FURNACE
George J. Hains, Rocky River, Ohio, assignor to General Electric Company, a corporation of New York
Application April 12, 1934, Serial No. 720,194
4 Claims. (Cl. 266—3)



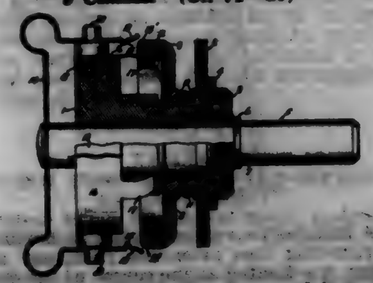
1. A continuous process annealing furnace wherein the material being annealed is passed through the furnace comprising a crucible, an elongated metallic tubular metal member forming a treating chamber having a portion constituting a heating zone passing through said crucible above its bottom wall, a heat transfer medium having a relatively high heat conductivity and thermal capacity within said crucible, means for applying heat to said medium to liquefy it whereby it envelops said heating zone to uniformly heat it throughout its length, means providing a fluid impervious joint between said tube at one end of the heating zone and the wall of said crucible where said tube passes out of said crucible, and means for cooling a portion of the heat transfer medium at the other end of said heating zone to solidify said medium and thereby seal said tube at said outer end of said zone.

2,030,699
CUSHION SLIDE FOR FURNITURE
Walter F. Herold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application December 24, 1932, Serial No. 648,736
2 Claims. (Cl. 16—42)



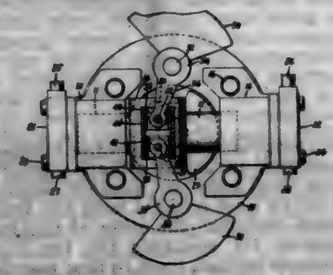
1. A cushion slide for a furniture leg comprising a cushion body of rubber having an upper surface adapted to engage with the lower end of said leg, said cushion body having a peripheral groove intermediate its upper and lower surfaces defining an upper resilient portion and a lower shoe attaching portion, said upper portion being provided with a series of recesses rendering it less resistant to deformation than said lower portion, a non-resilient sliding shoe having a substantially flat base and an upwardly and inwardly extending rim, the lower portion of said cushion body being disposed in said shoe with the edge of said rim engaging said groove, the marginal portion of said upper portion overhanging said rim and adapted to be compressed between said rim and said leg, and leg attaching means carried by said cushion body, the relatively greater resistance to deformation of said lower portion being such that upon tilting of said leg relatively to said shoe separation of said shoe therefrom through deformation of said cushion body is prevented while said upper portion is subject to deformation.

2,030,700
REDUCTION DRIVE MECHANISM
Merrill C. Hexie, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application May 17, 1935, Serial No. 22,010
9 Claims. (Cl. 74—10)



1. In a dual drive mechanism, a driven member, a driving member axially and rotatably movable with respect thereto, a stationary friction surface, a resilient member surrounding said friction surface and connected to said driven member, means including a resilient arm mounted on said driving member for directly coupling said driving and driven members in one axial position of said driving member, and means including said resilient arm for advancing successive increments of said resilient member around said friction surface during rotation of said driving member when said driving member is shifted to another axial position.

2,030,701
COMPRESSOR AND BALANCING DEVICE THEREFOR
Wilfrid E. Johnson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 9, 1935, Serial No. 35,513
10 Claims. (Cl. 230—58)



1. A reciprocating type compressor and balancing device therefor comprising a reciprocatable piston, a plurality of inertia members, means including a plurality of pivots stationary with respect to the compressor for pivotally supporting said inertia members on opposite sides of the axis of said piston for oscillatory movement in an arc of less than 180°, and means including links connecting said inertia members and said piston for oscillating said inertia members about said stationary pivots and for accelerating said inertia members in such oscillatory movement with a component of movement in a direction opposite to the direction of movement of said piston and at a rate of acceleration in the direction of said component exactly proportional to the rate of acceleration of said piston.

2,030,702
LICENSE TAG
Thomas A. Kirton, Jacksonville, Fla.
Application April 10, 1934, Serial No. 719,959
7 Claims. (Cl. 40—125)



7. A tag having an enclosed chamber, opposed walls of which being provided with substantially aligned openings, a headed shank extending through one of the openings with the head within the chamber, an operating member within the chamber for coaction with the head of the headed shank for rotating said headed shank upon rotation of the operating member in one direction, a portion of said operating member being exposed through the second opening to allow turning thereof, and lugs carried by a wall of the tag and extending inwardly of the chamber at opposite sides of the operating member to hold said member against displacement within the chamber with respect to the head of the shank.

2,030,762
RAZOR
Leopold K. Kuhni, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey
Application July 20, 1933, Serial No. 681,337
1 Claim. (Cl. 30—51)



A razor comprising two clamping members, one of said members including a blade platform with stops on its front edge, the members being hinged together on an axis parallel with the front edge of the blade platform, the other of said members having means for engaging the top face of a blade, a handle portion fixed to that member that engages the top face, and a laterally movable lever normally aligned with the fixed member to form a complete handle, said movable lever being pivoted near its top to the fixed portion and having a spring extension for engaging the under side of the blade platform.

2,030,764
METHOD OF REPAIRING A RAIL JOINT IN TRACK
George Langford, Joliet, Ill., assignor to McKenna Process Company of Illinois, Joliet, Ill., a corporation of Illinois
Application March 5, 1934, Serial No. 713,964
2 Claims. (Cl. 29—169)



1. The method of repairing in track a rail joint comprising angle bars having bottom rail fishing contacting members of considerable width effective to produce on the rail ends of the joint a downward component of thrust when the bars are drawn in to the rail ends by bolt tension, which method comprises cutting off lengthwise of the bars the outer portion of said bottom members in amount at least sufficient to eliminate said downward component of thrust present in said bars in their original condition, and then continuing the use of said bars in the joint without further alteration of said bars.

2,030,765
WINDOW CATCH
Ross S. Llewellyn, Glen Ellyn, Ill.
Application October 21, 1933, Serial No. 693,843
1 Claim. (Cl. 292—261)

1. A latching device for window sashes comprising: a one piece U-shaped frame of sheet metal, having a central bight adapted to rest horizontally atop the lower sash, and duplicate flat spaced arms extending up in parallel spaced relationship from the opposite ends of said bight; said bight being apertured substantially on its center line to receive fastening means, such as a woodscrew; each arm having an aperture defining a horizontal reach and an inclined reach extending outwardly and downwardly from the outer end of said horizontal reach; the lower margins of each reach having serrated edges defining rack teeth; a pintle having ends projecting through both apertures; a roller



on said pintle between said arms large enough to project substantially beyond the adjacent edges of said arms; pinions on said pintle on both sides of said roller, each pinion lying substantially in the plane of the adjacent arm and being held in mesh with said rack teeth by engagement of the pinion teeth with the smooth opposite edge of said aperture; the length of said inclined reach being sufficient to cause movement of said roller into and out of wedging engagement with an upper window sash.

2,030,766
MILK BOTTLE WEIR
Johan Samuel Lundgren, Superior, Wis.
Application February 1, 1935, Serial No. 4,516
7 Claims. (Cl. 210—51.5)



1. A milk bottle weir comprising a flexible disc, arm receiving lugs extending from one side of the disc, one located at the center of the disc and another intermediate of the center and circumferential edge thereof, said lugs having parallel holes therethrough at right angles to the axis of the disc, a handle formed of a single piece of spring wire bent intermediate of its ends and having two substantially parallel spaced arms bent at substantially right angles to the handle and terminating in oppositely disposed right

angular pintles for engagement within the holes in said lugs, whereby when the handle is squeezed the arms are displaced rotating the disc to a position permitting convenient insertion within the neck of a bottle.

1,818,797
BURNING BAR
Lee R. McLean, Toledo, Ohio, assignor to The Toledo Porcelain Enamel Products Company, Toledo, Ohio, a corporation of Ohio
Application July 10, 1933, Serial No. 679,662
1 Claim. (Cl. 25—153)



A device for supporting articles of various shapes in furnaces under conditions of great heat and destructive oxidation, comprising, in combination, an integral cast iron bar having a heavy flat base and an upstanding central longitudinal rib, said rib being expanded at intervals to form bosses, there being circular openings extending downwardly completely through said bosses and said heavy base, and a plurality of wrought metal members of heat-resistant alloy, each of said members being sharp at one end and having at its other end a blunt tenon fitting said openings in said bosses and base and a collar above said tenon engageable with the upper faces of said bosses, said wrought metal members being of various lengths and adapted for selective arrangement on said bar to support such articles of various shapes.

2,030,768
DRAINAGE RECEPTACLE
Courtney N. Mitchell, Strongsville, Ohio
Application May 29, 1935, Serial No. 23,976
12 Claims. (Cl. 4—290)

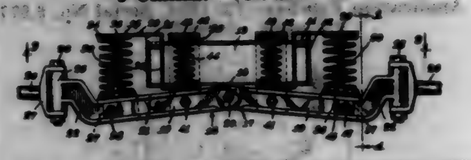


1. In a drainage receptacle, the combination of a basin having an opening in its bottom, a plate adapted to fit into said basin in proximity with the bottom, and a plug attached to said plate and passing loosely through the opening in the bottom of the basin.

2,030,769
COATING COMPOSITION AND METHOD OF APPLYING
Lewis Edgar Muns, Muskegon, Mich., assignor of one-half to E. H. Sheldon & Company, Muskegon, Mich.
No Drawing. Application February 5, 1933, Serial No. 656,627
22 Claims. (Cl. 134—58)

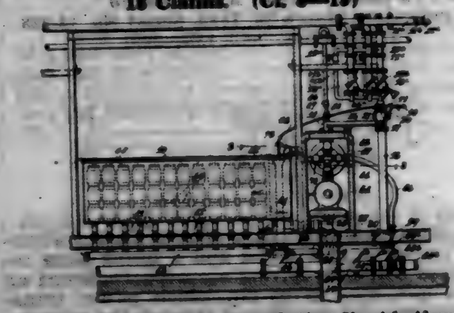
1. A coating composition comprising cooked cashew nut shell oil treated with formaldehyde, admixed with synthetic drying oil comprising a polymerization product of divinyl-acetylene, and admixed with a synthetic resin varnish to supply adhesive quality.

2,030,710
FLEXIBLE AXLE FOR VEHICLES
Charles Opels, Culver City, Calif.
Application March 10, 1934, Serial No. 714,971
9 Claims. (Cl. 267—20)



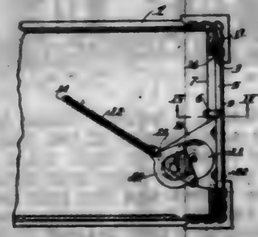
8. In a vehicle, a vehicle frame having side members, an axle formed of two half axle sections pivoted together at their inner ends by a longitudinal pivot, the outer ends being adapted for mounting wheels and the axle being transverse to the vehicle frame, auxiliary spring connections including a first bracket having a vertical plate secured to each of the half axles adjacent its pivot and having a horizontal extension forming an upper spring seat, each of the side members having a second bracket with a vertical plate and a horizontal extension forming a second spring seat, a coiled spring seated on the spring seats of the first and second brackets, main springs located outside of the side members, each having a lower connection to an axle section towards its outer end and an upper connection to the adjacent side member of the vehicle frame.

2,030,711
TREATING APPARATUS
Oscar Oppenlaender, Elizabethton, and Richard J. Golleng and Ralph H. Carter, Johnson City, Tenn., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application May 25, 1931, Serial No. 539,739
18 Claims. (Cl. 8—19)



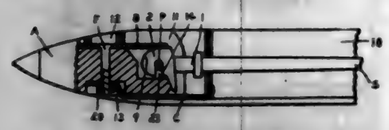
7. An apparatus for circulating liquids through a tank comprising a plurality of filling lines having downwardly disposed discharge outlets positioned in the arc of a circle, a plurality of discharge lines having upwardly disposed inlet openings positioned beneath said outlets, a pipe carried on a pivoted support and having an upper end adapted to swing in an arc beneath said outlets and a lower end adapted to swing in an arc above said inlets, an intermediate swiveled connection between the lower end portion of said swing pipe and the tank, said lower end being also provided with a valve normally closed, a telescopic sleeve at the upper end of said pipe adapted to be raised to surround an inlet opening from a filling line and means for raising and lowering said sleeve, a loose coupled rod connecting said sleeve with said valve, and a locking pin actuated by a float in said tank and adapted to hold said sleeve in a raised position while liquid remains in said tank.

2,030,712
CONCEALED COIN DRAWER
Edwin W. Pace, Chicago, Ill., assignor to Pace Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 18, 1935, Serial No. 6,977
3 Claims. (Cl. 232—1)



1. In a coin-receiving cabinet, a vertical wall provided with an opening, a door member turnable about a vertical axis disposed substantially midway of its length, said door member being arranged to occupy said opening in flush relationship with the cabinet wall, a coin receiver connected with the inner part of said door member to one side of its pivotal axis of turning movement, spring means tending to maintain said door member in its normal position, stop means for limiting oscillation of said door member in either direction about its vertical axis, and a coin chute disposed within said cabinet in registering relationship with said coin receiver.

2,030,713
SHUTTLE PIN LOCK
Carl P. Park, Manchester, N. H., assignor to U. S. Bobbin & Shuttle Company 1929, Providence, R. I., a corporation of Rhode Island
Application March 30, 1935, Serial No. 13,936
3 Claims. (Cl. 139—209)

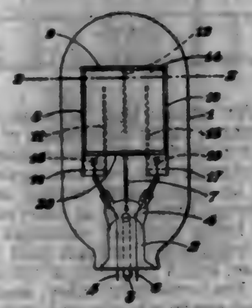


1. The combination in a shuttle; having a bobbin recess, a pivot recess and a spring plate recess; of a spindle having a curved head and an open mouth; a pivot pin which passes transversely into the shuttle and through the pivot recess, said pin having a constricted part which pivotally engages the spindle mouth; and a spring plate positioned in the spring plate recess and in engagement with the spindle head.

2,030,714
ALKALI METAL VAPOR RESISTANT GLASS
Marcello Pirani, Berlin-Wilmersdorf, and Georg Galdien, Berlin-Pankow, Germany, assignors to General Electric Company, a corporation of New York
No Drawing. Original application February 16, 1932, Serial No. 592,127. Divided and this application March 21, 1933, Serial No. 661,924. In Germany February 16, 1931
3 Claims. (Cl. 106—38.1)

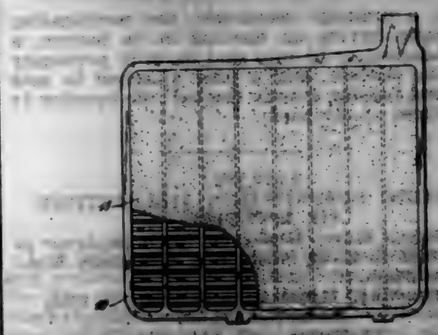
1. A new article of manufacture being a glass resistant to the chemical effects of alkali metal vapor and consisting of alkalies, alkali earths, aluminium oxide, not less than 20% boric oxide and not more than 50% silica and containing not more than 0.1% iron oxide.

2,030,715
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Marcello Pirani, Berlin-Wilmersdorf, and Martin Reger, Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application May 8, 1933, Serial No. 669,228
In Germany May 22, 1928
3 Claims. (Cl. 176—122)



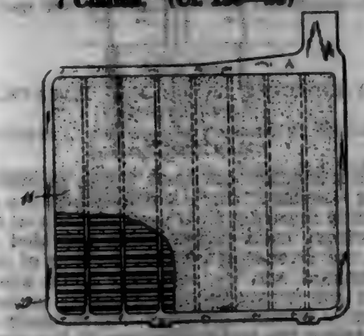
1. An electric discharge device comprising a container, electrodes sealed therein a gaseous atmosphere therein and a gas pervious element therein separate from the walls of said container and surrounding said electrodes and the positive column discharge path between said electrodes and including a plurality of baffles whereby the discharge path is caused to deviate from a straight line between said electrodes in a multiplicity of overlapping parallel paths, said baffles having a different coefficient of expansion than the other parts of said gas pervious element, the joints between said baffles and said other parts being mechanical joints.

2,030,716
STORAGE BATTERY
Willard L. Reinhardt, Shaker Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application March 9, 1933, Serial No. 660,116
8 Claims. (Cl. 136—27)



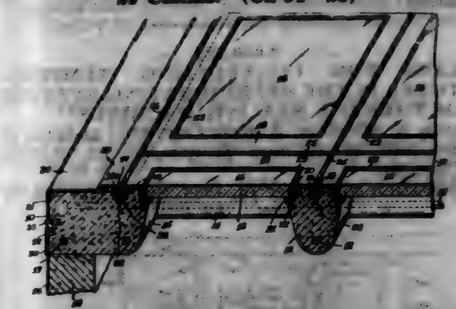
1. The process which comprises adding to a lead compound for plates of storage batteries of the lead-acid type a humic substance and an alkaline earth metal in solution, and a sulphate which causes the precipitation of humic acid and the sulphate of the alkaline earth metal.

2,030,717
STORAGE BATTERY
Willard L. Reinhardt, Shaker Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Original application March 9, 1933, Serial No. 660,116. Divided and this application September 20, 1933, Serial No. 690,217
7 Claims. (Cl. 136—26)



1. A lead compound for plates of storage batteries of the lead-acid type having distributed therethrough a humic substance and a sulphate of an alkaline earth metal.

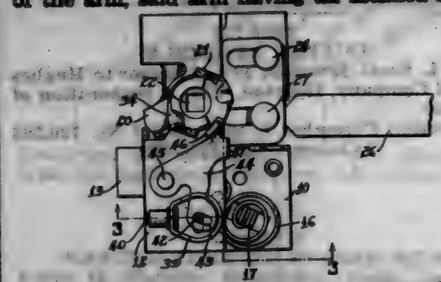
2,030,718
SKYLIGHT OR FLOORLIGHT CONSTRUCTION
Joshua M. Richards, Brookline, Mass.
Application December 30, 1933, Serial No. 704,628
29 Claims. (Cl. 94—28)



1. In a skylight or floorlight construction, the combination with a reinforced concrete framework comprising a solid portion and a portion provided with at least one opening, a light transmitting pane for the opening, and a pane-receiving shield anchored in the concrete about the opening spaced from the solid portion so as to leave the concrete adjacent thereto exposed, of means adapted to engage the pane and the shield for covering the exposed concrete.

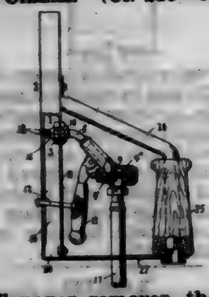
2,030,719
DOORLATCH
Holden W. Rightmyer, Toledo, Ohio, assignor to The American Swiss Company, Toledo, Ohio, a corporation of Ohio
Application March 3, 1934, Serial No. 713,718
3 Claims. (Cl. 70—89)

1. In a door latch, having a case plate and a tensioned latch bolt carried thereby, a roll back for retracting the bolt, and means for dogging the roll back including an arm pivoted between its ends to the plate, one end of the arm having a part to engage and dog the roll back and also having a stop member which lies adjacent to and engages an edge of the plate to limit swinging of the arm, said arm having an inclined slot in



its opposite end, and a key-operated lock mounted on the case plate and having a member extending inwardly therefrom and received in said slot for operating the arm.

2,030,720
WALLPAPER REMOVER
Ethan A. Schaeffer, Jr., Springfield, Ohio
Application February 25, 1935, Serial No. 7,998
6 Claims. (Cl. 216—8)



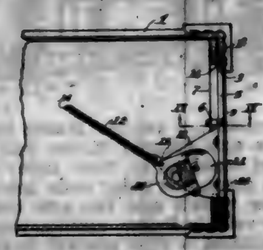
1. In a wall paper remover, the combination of a pan open at one end, a steam jet carried by said pan and having an axially arranged orifice and a plurality of lateral orifices, and a connection for supplying steam under pressure to said jet.

2,030,721
HYDRAULIC PUNCH
Floyd L. Scott, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Texas
Application August 4, 1930, Serial No. 473,169
6 Claims. (Cl. 78—96)



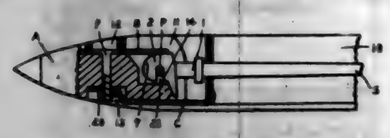
1. A hod to receive a billet from a furnace, means to lower said hod and move it into a predetermined angular position, and arms mounted pivotally at opposed sides of said hod, a yoke on said arms below said hod so as to be engaged

2,030,712
CONCEALED COIN DRAWER
Edwin W. Pace, Chicago, Ill., assignor to Pace Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 18, 1935, Serial No. 6,977
3 Claims. (Cl. 232—1)



1. In a coin-receiving cabinet, a vertical wall provided with an opening, a door member turnable about a vertical axis disposed substantially midway of its length, said door member being arranged to occupy said opening in flush relationship with the cabinet wall, a coin receiver connected with the inner part of said door member to one side of its pivotal axis of turning movement, spring means tending to maintain said door member in its normal position, stop means for limiting oscillation of said door member in either direction about its vertical axis, and a coin chute disposed within said cabinet in registering relationship with said coin receiver.

2,030,713
SHUTTLE PIN LOCK
Carl P. Park, Manchester, N. H., assignor to U. S. Bobbin & Shuttle Company 1929, Providence, R. I., a corporation of Rhode Island
Application March 26, 1935, Serial No. 11,938
2 Claims. (Cl. 139—209)

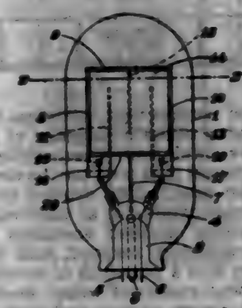


1. The combination in a shuttle; having a bobbin recess, a pivot recess and a spring plate recess; of a spindle having a curved head and an open mouth; a pivot pin which passes transversely into the shuttle and through the pivot recess, said pin having a constricted part which pivotally engages the spindle mouth; and a spring plate positioned in the spring plate recess and in engagement with the spindle head.

2,030,714
ALKALI METAL VAPOR RESISTANT GLASS
Marcelle Piranl, Berlin-Wilmersdorf, and Georg Galdics, Berlin-Pankow, Germany, assignors to General Electric Company, a corporation of New York
No Drawing. Original application February 10, 1933, Serial No. 656,137. Divided and this application March 21, 1933, Serial No. 661,926. In Germany February 15, 1932
2 Claims. (Cl. 106—54.1)

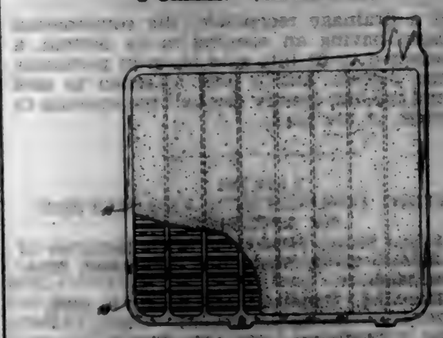
1. A new article of manufacture being a glass resistant to the chemical effects of alkali metal vapor and consisting of alkalies, alkali earths, aluminium oxide, not less than 30% boric oxide and not more than 50% silica and containing not more than 0.1% iron oxide.

2,030,715
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Marcello Pirani, Berlin-Wilmersdorf, and Martin Reger, Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application May 2, 1935, Serial No. 19,115
In Germany May 23, 1932
3 Claims. (Cl. 176—122)



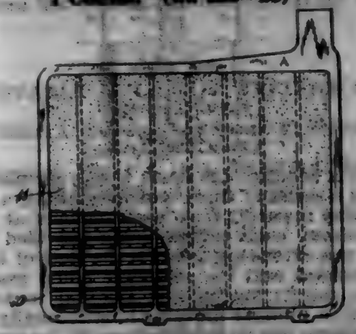
1. An electric discharge device comprising a container, electrodes sealed therein a gaseous atmosphere therein and a gas pervious element therein separate from the walls of said container and surrounding said electrodes and the positive column discharge path between said electrodes and including a plurality of baffles whereby the discharge path is caused to deviate from a straight line between said electrodes in a multiplicity of overlapping parallel paths, said baffles having a different coefficient of expansion than the other parts of said gas pervious element, the joints between said baffles and said other parts being mechanical joints.

2,030,716
STORAGE BATTERY
Willard L. Reinhardt, Shaker Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application March 9, 1933, Serial No. 660,116
8 Claims. (Cl. 136—27)



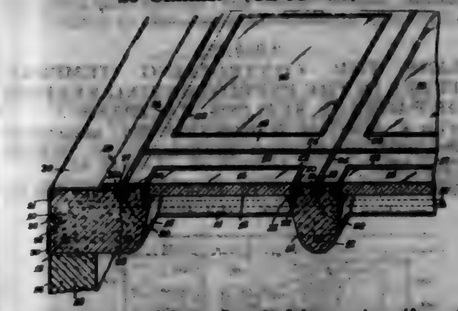
1. The process which comprises adding to a lead compound for plates of storage batteries of the lead-acid type a humic substance and an alkaline earth metal in solution, and a sulphate which causes the precipitation of humic acid and the sulphate of the alkaline earth metal.

2,030,717
STORAGE BATTERY
Willard L. Reinhardt, Shaker Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Original application March 9, 1933, Serial No. 660,116. Divided and this application September 20, 1933, Serial No. 690,217
7 Claims. (Cl. 136—26)



1. A lead compound for plates of storage batteries of the lead-acid type having distributed therethrough a humic substance and a sulphate of an alkaline earth metal.

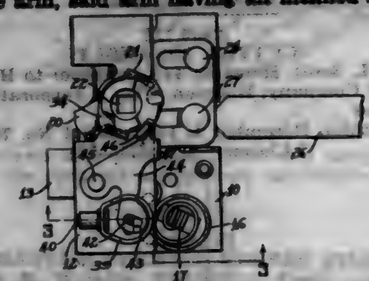
2,030,718
SKYLIGHT OR FLOORLIGHT CONSTRUCTION
Joshua M. Richards, Brookline, Mass.
Application December 28, 1932, Serial No. 704,620
20 Claims. (Cl. 94—23)



1. In a skylight or floorlight construction, the combination with a reinforced concrete framework comprising a solid portion and a portion provided with at least one opening, a light transmitting pane for the opening, and a pane-receiving shield anchored in the concrete about the opening spaced from the solid portion so as to leave the concrete adjacent thereto exposed, of means adapted to engage the pane and the shield for covering the exposed concrete.

2,030,719
DOOR LATCH
Holden W. Rightmyer, Toledo, Ohio, assignor to The American Swing Company, Toledo, Ohio, a corporation of Ohio
Application March 2, 1934, Serial No. 713,738
2 Claims. (Cl. 70—89)

1. In a door latch, having a case plate and a tensioned latch bolt carried thereby, a roll back for retracting the bolt, and means for dogging the roll back including an arm pivoted between its ends to the plate, one end of the arm having a part to engage and dog the roll back and also having a stop member which lies adjacent to and engages an edge of the plate to limit swinging of the arm, said arm having an inclined slot in its opposite end, and a key-operated lock mounted on the case plate and having a member extending inwardly therefrom and received in said slot for operating the arm.



2,030,720
WALLPAPER REMOVER
Ethan A. Schaeffer, Jr., Springfield, Ohio
Application February 25, 1935, Serial No. 7,998
6 Claims. (Cl. 216—3)



1. In a wall paper remover, the combination of a pan open at one end, a steam jet carried by said pan and having an axially arranged orifice and a plurality of lateral orifices, and a connection for supplying steam under pressure to said jet.

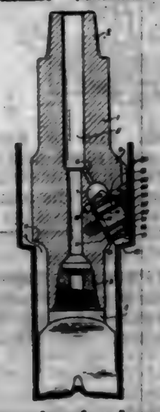
2,030,721
HYDRAULIC PUNCH
Floyd L. Scott, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Texas
Application August 4, 1930, Serial No. 473,169
8 Claims. (Cl. 78—96)



1. A hod to receive a billet from a furnace, means to lower said hod and move it into a predetermined angular position, and arms mounted pivotally at opposed sides of said hod, a yoke on said arms below said hod so as to be engaged

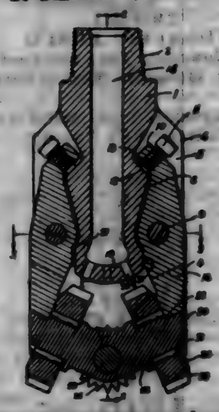
thereby and means automatically operable responsive to the lowering of said hod to clamp said arms upon said billet in said hod.

2,030,722
CUTTER ASSEMBLY
Floyd L. Scott, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Texas
Application December 1, 1933, Serial No. 700,503
7 Claims. (Cl. 255—73)



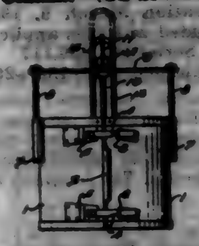
1. A bit having a head, a lower shoulder thereon, an upwardly and inwardly directed cutter slot in said shoulder, a cutter bushing, bearings thereon, a cutter on said bearings, means on said bushing to retain said bearings and cutter thereon, a cutter shaft adapted to be screwed into said head at one end and support said bushing and cutter in said slot and a removable plate in a recess in said slot adjacent said bushing to support the outer end of said shaft.

2,030,723
CUTTER SUPPORTING MEANS FOR WELL DRILLS
Floyd L. Scott and Lewis E. Garfield, Houston, Tex., assignors to Hughes Tool Company, Houston, Tex., a corporation of Texas
Application June 27, 1935, Serial No. 28,598
10 Claims. (Cl. 255—71)



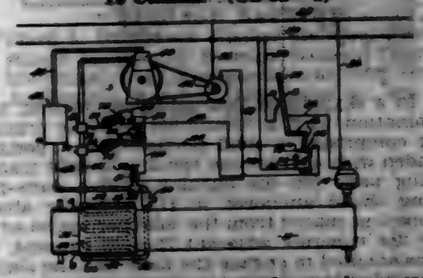
1. A well drill including a head, a diametrical cross shaft at the forward end thereof, a side cutter shaft at right angles to said cross shaft and shaped with its ends inclined upwardly from the center, a row of disc shaped cutters on said cross shaft, a pair of side cutters on said side cutter shaft, and arms pivotally attached to said head to support the ends of said shafts.

2,030,724
CONCRETE TILE MOLD
Fay E. Smith, Fenton, Mich.
Application December 14, 1934, Serial No. 757,442
6 Claims. (Cl. 25—120)



1. In a concrete tile mold, a core member comprising a series of three-sided segments, a tongue extending inwardly from each segment at the top and bottom, each tongue being provided with a slot, a rod extending through the slots of the several tongues and the segments being assembled on the rod in overlapping relation to form an octagon, a plunger movable longitudinally of the rod between the top and bottom of the segments, each segment being provided with a sloping rib extending longitudinally thereof, means for moving the plunger longitudinally of the rod, a series of springs tending to contract the segments and the arrangement being such that as the plunger is moved downwardly in engagement with the sloping ribs the segments are expanded against the tension of the springs and as the plunger is moved upwardly the segments are contracted by the springs and means for locking the plunger from upward movement when in the lowermost position.

2,030,725
MEANS FOR CONTROLLING TEMPERATURES IN THE REFRIGERATING SYSTEMS OF PACKAGE SEALING MACHINES
Merlin A. Stiedler, Kansas City, Mo., assignor of one-half to William Stoneman, Jr., Kansas City, Mo.
Application November 16, 1934, Serial No. 753,270
15 Claims. (Cl. 62—4)



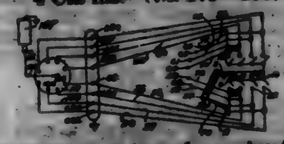
1. A refrigerating system for package sealing machines comprising evaporation means disposed in heat-exchanging relation with the packages being moved through the machine; means for supplying a refrigerant to the evaporation means; means for conveying refrigerant from the evaporation means; electrically operated means, having an electrical circuit, for operating the sealing machine to convey packages therethrough; a switch to open and close the said circuit; a pair of thermostats each responsive to a predetermined different temperature in connection with the means for conveying the refrigerant from the evaporation means; a switch operable by each thermostat respectively; an electrical circuit for each switch respectively; an electrically operated valve for stopping the supply of refrigerant to the evaporation means when the circuit supplying energy thereto is open; and means for automatically rendering said valve operable by one thermostatically operated switch when the sealing machine operating means is in operation and for automatically rendering said valve operable by the other thermostatically operated switch circuit when the sealing machine operating means is idle.

2,030,726
ADJUSTABLE MOLD FOR BATTERY CELL CONNECTERS
William L. Strock and Edward C. Strock, Los Angeles, Calif.
Application March 6, 1934, Serial No. 714,500
8 Claims. (Cl. 22—136)



1. A mold comprising: stationary and movable mold sections, said stationary section having a channel adjacent the movable section, a die slidable in said channel, a relatively narrow channel formed in the bottom of said first mentioned channel, an ejector adjustable in said narrow channel to correspond to the adjustment of said die in said other channel, and an operating member pivotally held in said narrow channel and engaging said ejector, for reciprocating the ejector relative to the die in an ejecting operation.

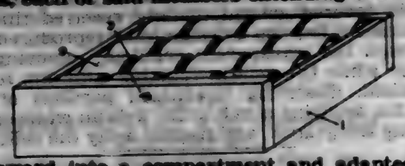
2,030,727
TESTING DEVICE FOR INTERNAL COMBUSTION ENGINES
Price G. Turner, Yorkville, N. Y., assignor of one-half to John C. McMurray, Winthrop, Mass.
Application June 23, 1933, Serial No. 677,281
4 Cla'ms. (Cl. 175—183)



4. A tester for internal combustion engines comprising a supporting base, a plurality of circuit connections leading from the base and adapted to be connected to the spark plugs of the engine, a ground connection, a plurality of switch elements by which each circuit connection can be connected to the ground connection, a swinging arm pivoted to said base, and a neon gas tube carried by said arm and adapted by the swinging movement thereof to be brought into flashing relation to any one of the circuit connections.

2,030,728
FILING DEVICE
Herman M. Uhlig, Cedarburg, Wis.
Application October 8, 1934, Serial No. 747,257
3 Claims. (Cl. 129—14)

1. A filing device consisting of a holding case, having longitudinal and transverse partitions forming compartments, a plurality of elements each having a resilient member attached thereto, and means provided on some of the partitions for receiving and frictionally holding said elements, each of said members extending over and



downward into a compartment and adapted to press the contents against one side thereof.

2,030,729
MANUFACTURE OF RUBBER FILMS
Parke H. Watkins, Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 10, 1933, Serial No. 675,295
4 Claims. (Cl. 18—58)

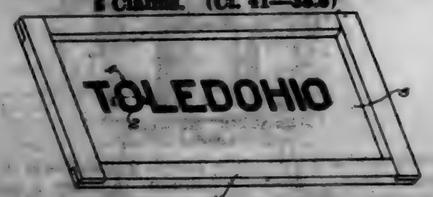
1. The process of forming a removable rubber film on a deposition surface comprising applying to the surface a hypochlorite, and depositing rubber from a rubber-containing liquid on the thus treated surface.

2,030,730
MOLDING STRIP
Walter E. Wilson, Columbus, Ohio
Application May 23, 1935, Serial No. 23,058
3 Claims. (Cl. 311—107)



1. An extruded molding strip of a light weight metal for protecting table or desk edges comprising an elongated metallic body formed to be secured to an adjoining vertical wall of a desk or table, one of the longitudinal edges of the body of the strip terminating in a ledge projecting rearwardly and laterally with respect to the general plane of the strip body to overlie the horizontal upper surface of the associated article of furniture, the front of said strip being provided with a shallow dove-tail groove, and a strip of finishing material arranged to occupy said groove and to conceal from exterior view the major portion of said strip.

2,030,731
PROCESS FOR MAKING PHOTOGRAPHIC STENCIL SCREENS
Earl E. Young, Toledo, Ohio, assignor to The Toledo Porcelain Enamel Products Company, Toledo, Ohio, a corporation of Ohio
Application April 1, 1935, Serial No. 14,669
5 Claims. (Cl. 41—38.6)



1. A process for making photographic stencil screens which includes the steps of applying a

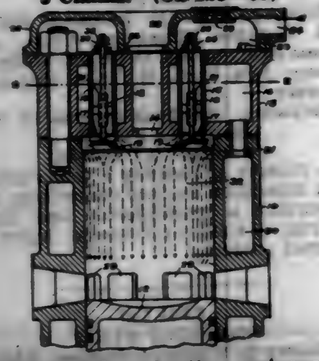
thin sheet of transparent celluloid to the gelatin side of a gelatin-coated tissue, exposing the celluloid covered gelatin to light received through an element bearing a design to be reproduced and through the transparent celluloid, removing the tissue while the gelatin remains adhering to the celluloid, dissolving unexposed portions of the gelatin, applying a web to the gelatin while damp, drying the gelatin, and peeling away the celluloid.

2,030,732

INTERNAL COMBUSTION ENGINE

Karl Angel, Montreal, Quebec, Canada

Application September 26, 1932, Serial No. 634,815
3 Claims. (Cl. 123—65)



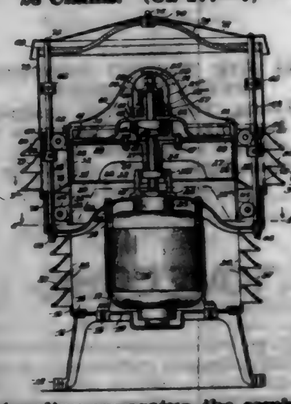
1. In an internal combustion engine, a cylinder forming a combustion chamber having a fuel inlet and exhaust ports, a valve block forming a head for said cylinder, and a pressure air chamber capping said head, a safety valve to said air chamber and communicating with said cylinder through said valve block and automatically scavenging said combustion chamber, valves in the communication passages resiliently suspended and susceptible to said air pressure, and a piston operating in said combustion chamber and adapted to expose the exhaust ports for scavenging, thereby relieving the pressure from under the valves to allow passage of the air under pressure from the air chamber to the combustion chamber.

2,030,733

SIGNALING DEVICE

Merton C. Armstrong, Rochester, N. Y., assignor to The Sterling Siren Fire Alarm Company Inc., Rochester, N. Y., a corporation of New York

Application February 20, 1931, Serial No. 517,177
28 Claims. (Cl. 177—7)



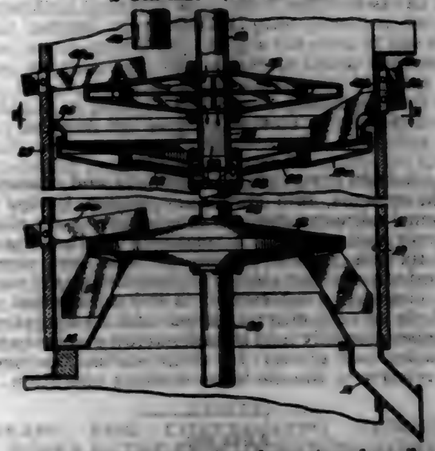
28. In signaling apparatus, the combination of rotor and stator elements, means for supporting said elements for movement one relative to another from a normal inoperative position to cooperative signaling position, said stator element having walls forming a fluid pressure chamber means for establishing communication between said chamber and the rotor element upon operation of the latter whereby the rotor element will serve to discharge fluid to said chamber under pressure sufficient to effect movement of one of said elements to cooperative signaling position relative to the other.

2,030,734

FURNACE CONSTRUCTION

Dudley Baird, Berkeley, Calif., assignor to Nichols Copper Company, New York, N. Y., a corporation of New York

Application June 18, 1932, Serial No. 617,985
2 Claims. (Cl. 34—23)



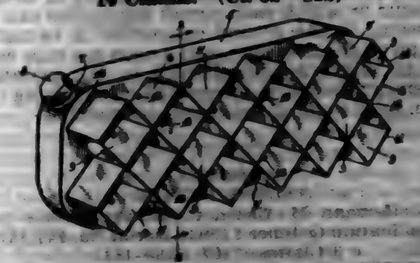
1. In a furnace of the character described, a hollow rotatable shaft, an annular hollow hearth, hollow spokes communicating with the hollow interior of said hearth, a hollow hub communicating with said spokes, and a web construction within said hub whereby heating fluid conducted through said shaft against said web will be directed through some of said spokes into the hollow interior of said hearth and returned through other spokes into said hub and said shaft.

2,030,735

ICE CUBER

Charles F. Belshaw and William J. La Casse, Duluth, Minn., assignors to The Cocleraler Company, a corporation of Minnesota

Application August 5, 1933, Serial No. 683,732
10 Claims. (Cl. 62—112)



1. An ice cuber adapted to be placed on an ice cake for forming ice cubes and comprising a tank for carrying a fluid heating medium, and a grid arranged beneath the tank to conduct heat from said heating medium to said ice cake.

2,030,736

PROCESS OF PRODUCING DISILANE-RAYON

Rudolph S. Bley, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 22, 1934, Serial No. 749,425
6 Claims. (Cl. 106—40)

1. A spinning solution for the manufacture of soft-lustre products comprising a solution of the group consisting of viscose and cuprammonium cellulose together with an alkyl derivative of disilane having the structure $R.H_2Si.SiH_2R_1$, in which R and R_1 represent an alkyl radical, said derivative being liquid and stable in said spinning solution.

2,030,737

CELLULOSIC SPINNING SOLUTIONS CONTAINING AROMATIC SILICON DERIVATIVES

Rudolph S. Bley, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 22, 1934, Serial No. 749,424
10 Claims. (Cl. 106—40)

1. A spinning solution for the manufacture of soft-lustre products comprising a solution of the group consisting of viscose and cuprammonium cellulose together with a phenyl-silicon derivative, said derivative being stable in said spinning solution.

2,030,738

CELLULOSIC SPINNING SOLUTIONS CONTAINING ALIPHATIC SILICON COMPOUNDS

Rudolph S. Bley, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 22, 1934, Serial No. 749,427
8 Claims. (Cl. 106—40)

1. A spinning solution for the manufacture of soft-lustre products comprising a solution of the group consisting of viscose and cuprammonium cellulose and silico-acetic acid, said acid being stable in said solution.

2,030,739

PROCESS OF PRODUCING SILICON-RAYON

Rudolph S. Bley, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 22, 1934, Serial No. 749,428
8 Claims. (Cl. 106—40)

1. A spinning solution for the manufacture of soft-lustre products comprising a solution of the group consisting of viscose and cuprammonium cellulose and a silicon compound having the structure $R.SiH_3$, in which R represents an alkyl radical, said compound being liquid and stable in said spinning solution.

2,030,740

SOFT-LUSTER RAYON

Rudolph S. Bley, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 25, 1934, Serial No. 749,815
6 Claims. (Cl. 106—40)

1. A spinning solution for the manufacture of soft-luster, ultra-violet ray-filtering artificial silk comprising a solution of the group consisting of viscose and cuprammonium cellulose and a compound of the group consisting of triphenyl stibine, triphenyl bismuthine, phthalimide and p-aminobenzoic acid.

2,030,741

ARTICLE DISPLAY AND CONVEYING EQUIPMENT

Walter M. Bodine, Kansas City, Mo.

Application March 22, 1935, Serial No. 13,662
5 Claims. (Cl. 211—121)



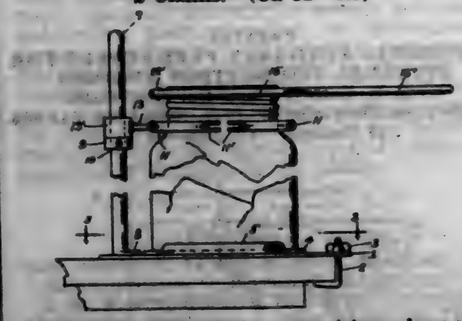
1. Display and conveying equipment of the character described comprising a pair of opposed, spaced-apart, endless chains disposed in like circumscribing paths; shelves pivotally supported by the chains therebetween; and means for maintaining the shelves in a horizontal plane as they are being carried through their entire path of travel, said shelves being successively directly engaged by yieldable contacting members as they travel through a portion of their path of travel to limit swinging of the shelves about their pivotal connections with the chains to an amount sufficient to allow reversal of the direction of travel of the chain at its point of connection with the respective shelf without tipping that shelf out of a horizontal plane.

2,030,742

SAFETY JAR HOLDER

Emaretto Cantini, Hollidays Cove, W. Va.

Application April 30, 1935, Serial No. 19,095
2 Claims. (Cl. 81—3.3)



1. A jaw holding device comprising a base plate having a resilient member thereon, a post rising from the base plate, a collar slidably arranged on the post, means for holding the collar in adjusted position, a pair of arcuate shaped jaws

pivotally connected together at one end and handles connected to the other ends, a projection extending outwardly of an intermediate part of one jaw and having a hole therein for receiving a portion of the post, whereby the jaws are rotatably supported by the post, the projection resting on the collar.

2,030,743

ADHESIVE OR BINDER

Richard P. Carlton, St. Paul, Minn., assignor to Minnesota Mining and Manufacturing Company, St. Paul, Minn., a corporation of Minnesota

No Drawing. Original application December 29, 1923, Serial No. 683,522. Divided and this application May 22, 1925, Serial No. 32,445

12 Claims. (Cl. 134—33)

1. A waterproof binder for sandpaper which includes substantially forty parts of a solution of a cellulosic compound, three parts of resin, and one part of gum camphor and two parts of an oil.

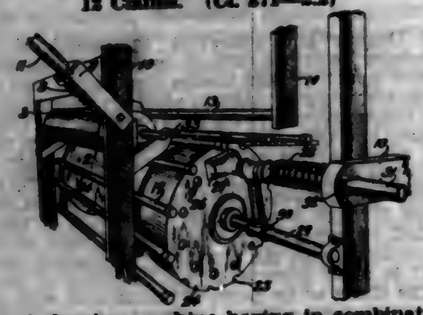
2,030,744

DRAPING MACHINE

Edward H. Clark, Reading, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application December 9, 1929, Serial No. 412,763

12 Claims. (Cl. 271—2.3)



1. A draping machine having in combination, means for conveying the drapes, means for supplying the material to be draped to the first mentioned means, and means for applying suction at the points where the material contacts against the conveying means to prevent slipping of the material relative to the conveying means during formation of the drape.

2,030,745

AUTOMATIC AUXILIARY FUEL SUPPLY FOR INTERNAL COMBUSTION ENGINES

Irven E. Coffey, Playa Del Rey, Calif.

Application December 6, 1932, Serial No. 645,960

37 Claims. (Cl. 123—127)



1. In a device as described, the combination of an engine having a fuel intake subject to engine suction, an auxiliary valve having means to supply fuel thereto, a connection from the valve to the intake, means acted upon by the suction of the engine tending to close the said valve, a spring means tending to open the valve, and a thermostatic means operable to both open and close the valve in accordance with the temperature, an electrical heating element in the valve between the fuel opening of the valve and the connection to the intake, and electrical connections to energize said heating element.

2,030,746

CRINKLED SHEET MATERIAL AND METHOD OF MAKING SAME

James J. Gailliard, Providence, R. I., and Fred O. Thornton, Jr., Jackson Heights, N. Y., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application August 18, 1934, Serial No. 740,224

12 Claims. (Cl. 154—3)



11. The method of making an elastic sheet material which comprises superposing sheets of rubber-like material with an interposed sheet of elastic fabric, uniting all of said sheets over a plurality of closely spaced small areas while one of said rubber-like sheets and the fabric sheet are under tension and stretched, and releasing the tension to thereby permit the fabric to contract and the unconnected areas of the rubber-like sheets to pucker.

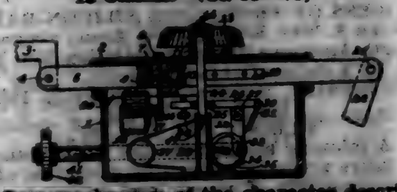
2,030,747

TIMER FOR CONCRETE MIXERS

Ernest C. Garber and Harold E. Bidlemeyer, Waterloo, Iowa, assignors to Construction Machinery Company, Waterloo, Iowa

Application January 23, 1933, Serial No. 653,106

15 Claims. (Cl. 32—73)



1. In a mechanism of the character described, a resiliently controlled reciprocatory bar having a side lug, a reciprocatory standard, resiliently controlled, mounted alongside said bar to cross the path of the lug in a direction at a right angle to the bar, a rock-arm having relatively staggered jaws loosely embracing said standard to grip and move and then release it by steps, said bar being controlled to cause said lug to and-engage and fractionally brake the standard to hold the latter at times when it is released by said jaws, and said lug being adapted to be released from the standard when the latter has passed from its path to permit the resilient control of the bar to propel it across the adjacent end of the standard in unlocking the bar.

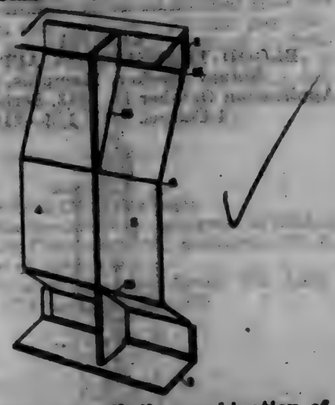
2,030,748

RAILWAY CAR STRUCTURE

Garth G. Gilpin, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a corporation of Delaware

Application August 16, 1934, Serial No. 740,078

24 Claims. (Cl. 105—409)



1. In a railway car wall, the combination of a frame member, and an offset panel, said offset panel comprising a metallic plate having a body portion, spaced apart slits in said plate extending from one edge of the plate, webs formed by bending the plate on lines substantially in alignment with said slits, said webs extending substantially to said edge of the plate with the intermediate portion of the plate between the slits bent in the same direction as the webs and the side edges of said intermediate portion being welded to the sides of the webs, said webs being secured to said frame member.

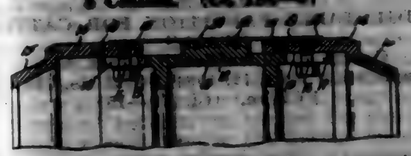
2,030,749

TIRE BUILDING DRUM

Allen L. Heston, Columbiana, Ohio, assignor to National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio

Application May 15, 1930, Serial No. 452,638

3 Claims. (Cl. 154—9)



1. A collapsible tire building drum comprising sections each including a central member, the periphery of which is reduced at each side thereof, side members formed with reduced bead-receiving seats slidably mounted on the reduced portions of said central member, means for securing said side members in adjusted positions on the central member, and a gap shield of light gauge sheet metal secured to the central member and resting on the side members in all positions of adjustment thereof to cover gaps between the central and side members.

2,030,750

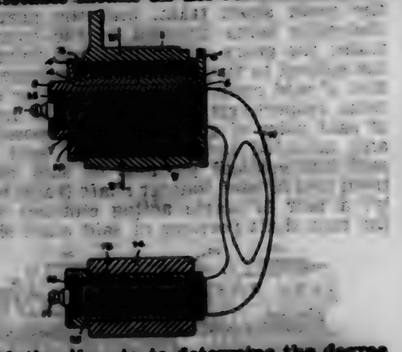
RESILIENT JOINT

John Wycliffe Leighton, Port Huron, Mich.

Application September 22, 1934, Serial No. 745,040

6 Claims. (Cl. 287—85)

4. In a resilient joint of the type in which a resilient bushing is compressed about a bearing bushing, a bearing bushing, constrictable bushing-compressing means mounted on said bearing bushing and separating the latter from contact with said resilient bushing, means for adjusting said constrictable means on the rotation of said



bushing relative thereto to determine the degree of compression of said resilient bushing, and a member oscillatably mounted in said bearing bushing.

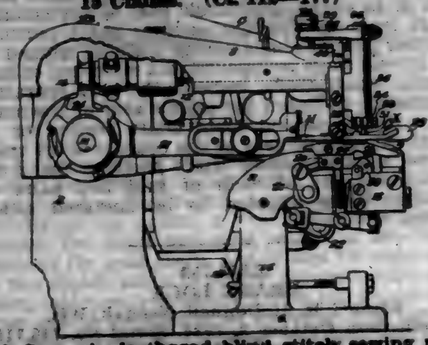
2,030,751

BLIND STITCH SEWING MACHINE

Joseph Mann, Philadelphia, Pa., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a corporation of Maine

Application January 17, 1925, Serial No. 2,257

15 Claims. (Cl. 112—177)



1. In a single thread blind stitch sewing machine, the combination with a frame including a standard and a laterally extending arm supported thereby, of a presser foot mounted on said arm and having an opening, a threaded needle mounted on the arm above the foot for reciprocations transversely across the presser foot opening, a ridge forming element for projecting a ridge of fabric upwardly through the opening into needle penetrating position, means for intermittently feeding the fabric to the needle, and a non-threaded loop taker supported on the arm and located above the foot and operating entirely on that side of the ridge forming element opposite the point of needle penetration in the fabric for engaging the needle thread loop and holding the same for re-entrance by the needle.

2,030,752

CHANGE SPEED GEAR

Karl Maybach, Friedrichshafen, Bodensee, Germany, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Bodensee, Germany

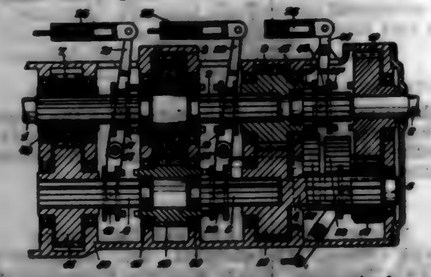
Application November 1, 1934, Serial No. 751,943

In Germany November 1, 1933

2 Claims. (Cl. 74—363)

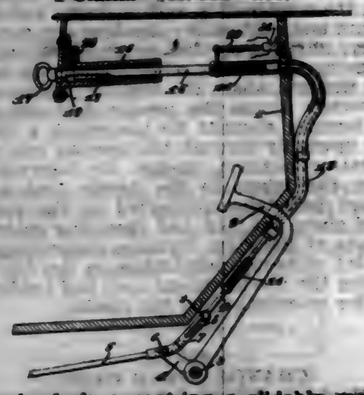
1. A change speed gear comprising: a main shaft train made up of more than two shaft por-

tions; a counter shaft train made up also of more than two portions; three pairs of constantly meshing gears, one gear of each being situated in the main shaft train, and the gear meshing therewith being situated in the counter shaft train; the gears of the first and third pair being splined to the first and an intermediate portion of said main and of said counter shaft portions, respectively; the gears of the middle pair of said pairs of gears being interposed between and mounted independently of said first and said intermediate portions of said main shaft train and of said counter shaft train, respectively; a pair of single acting clutches splined to the first shaft portions of said main shaft train



and said counter shaft train, respectively, and operative alternately to clutch the middle gear of the main train to the first main shaft portion or to clutch the middle gear of the counter shaft train to the first counter shaft portion; another pair of single acting clutches splined to the second shaft portions of said main and of said counter shaft train, respectively, and operative alternately to clutch the middle gear of the main train to the second main shaft portion or to clutch the middle gear of the counter shaft train to the second counter shaft portion; the individual clutches of each of said two pairs of clutches being adapted to be operated alternately.

2,030,753
BRAKE LOCK
Samuel M. McDonnell, Neenah, Wis.
Application October 2, 1934, Serial No. 746,719
1 Claim. (Cl. 188—241)



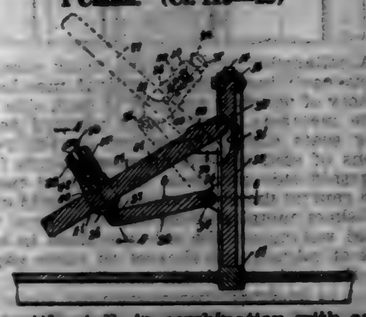
A brake lock comprising a slidably mounted rack bar, a keeper to be engaged by said rack bar for holding the latter in adjusted positions, a rod including adjustably connected sections and one of said sections being of flexible construction and connected to the rack bar, a flexible housing for supporting the flexible section of said rod, and a limited slidable connection connecting said rod to the brake rigging of the service brake pedal of an automobile whereby said brake rigging may be actuated by the service brake pedal during one position of the rack bar without interference from the latter and permit operation of the brake rigging to apply brakes by other positions of said rack bar.

2,030,754
BLOOD TRANSFUSION APPARATUS
Sidney Blocker, Memphis, Tenn.
Application October 13, 1933, Serial No. 693,261
4 Claims. (Cl. 128—214)



2. In an apparatus of the character described, a passageway adapted to place the veins of the donor and recipient in communication, a plurality of syringes, a shiftable valve joining said syringes and interposed in said passageway to allow blood to be continuously fed from the donor to the recipient, and means controlled by the same valve for introducing a clotting preventative into the veins of the recipient independently of said syringes.

2,030,755
ADJUSTABLE PARTITION FOR CATTLE STALLS
George A. Miller, South Gilboa, N. Y.
Application April 12, 1934, Serial No. 720,290
1 Claim. (Cl. 119—15)



In a cattle stall, in combination with an upright front wall, spaced ears projecting outwardly from said wall, the wall provided with an arcuate recess between said ears, a partition bar pivoted intermediate of its ends between the outer portions of said ears and having one end movable in said arcuate recess, said arcuate recess providing means permitting swinging of the partition bar in a vertical plane only, and also

providing means whereby the partition bar is effectively held from sidewise movement, the partition bar being provided with sockets in its upper face, a sleeve slidably mounted on said partition bar, a latch member carried by said sleeve and cooperating with said sockets selectively, and a brace bar pivotally connecting said sleeve and front wall, the sockets being so located that the sleeve is held in one position with the partition bar and brace bar downwardly inclined to confine an animal in its stall and that the sleeve is held in another position with the partition bar and brace bar upwardly inclined to provide for ingress and egress relatively to the stall.

2,030,756
NECKTIE HOLDER
Edwin S. Mix, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application January 26, 1935, Serial No. 3,850
20 Claims. (Cl. 24—40)



1. A necktie holder comprising a clasp including a bar and a spring pressed clasping lever pivoted thereto, said clasp being of a length less than the width of a tied four in hand necktie for concealment behind the necktie in one of the herein mentioned uses of the necktie holder, a flexible member connected at one end to one end of the bar, a loop member connected to the opposite end of the flexible member for detachable connection with said bar to suspend and display the flexible member entirely across the front of the necktie and of a length to permit small relative movement between the tie and the shirt of the wearer without placing the flexible member under tension or for passage with a portion of the flexible member through the buttonhole of a button fastening of the wearer's shirt for connection with said bar to positively lock the tie to the shirt and permit display of a portion of the flexible member over the front of the necktie and permit of small relative movement between the tie and shirt of the wearer without placing the flexible member under tension.

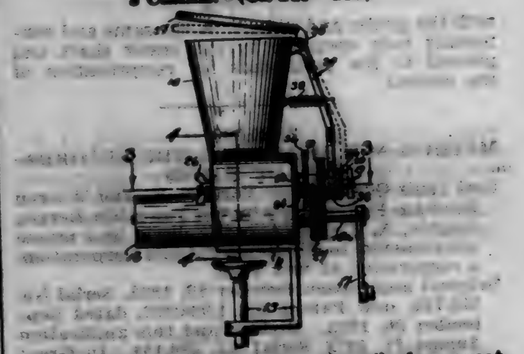
2,030,757
AUTOMOBILE SIGNAL
Walter A. Moffat, Meridian, Miss., assignor to Auto Headlight Signal Company, Meridian, Miss., a corporation of Mississippi
Application December 26, 1934, Serial No. 758,269
1 Claim. (Cl. 40—131)

An indicator for headlights comprising a plate to overlie a portion of a lens of a headlight and having stenciled letters spelling either the word "left" or "right" adapted to permit light rays of the headlight to pass therethrough to render said words readable at night time, and means for securing said plate to the headlight for support-



ing the plate in front of a lens of the headlight, said plate having an angularly disposed portion at the edge of said plate below the letters to form a visor.

2,030,758
FEEDING ATTACHMENT FOR MEAT GRINDERS
Walter Naturkacz, Buffalo, N. Y.
Application August 15, 1934, Serial No. 739,986
3 Claims. (Cl. 146—181)

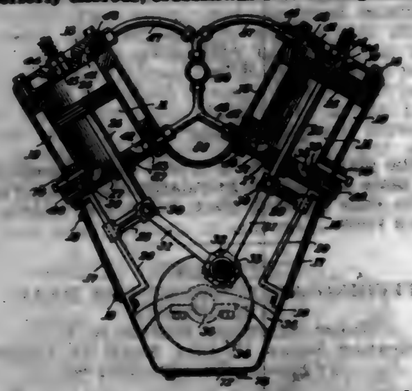


1. In a device of the class described, a meat grinder including a spiral cutter, an operating shaft therefor, feed rollers journalled above and laterally of the cutter, a gear train interposed between the shaft and feed rollers, a two-part clutch in the gear train, and means for separating the clutch parts to render the gear train inactive, said means including a lever pivoted on the upper end of the grinder at the outer side thereof, a ring carried by the lever and overlying the grinder adjacent the marginal edge thereof, a connection between the other end of the lever and one of the clutch parts and a spring connection between the lever and grinder for normally holding the clutch parts in engagement for operation of the gear train.

2,030,759
COMPRESSOR UNIT
Bob Neal, Arkadelphia, Ark.
Application January 9, 1934, Serial No. 705,964
1 Claim. (Cl. 230—187)

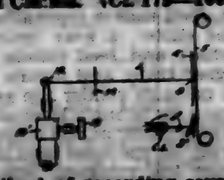
In a structure of the kind described, a V-shaped cylinder block provided with upwardly divergent cylinders, end heads fitted to said cylinders at opposite ends thereof, each head having valved inlets and outlets, a main outlet lead between the cylinders of the block for a storage tank and having lateral branches to the outlets at the inner sides of said heads, one inlet being located at the center of each head at the outer ends of said cylinders while the remaining inlets are at the outer sides of the heads at the inner ends of said cylinders, a substantially V-shaped crank case fitted to the block beneath the cylinders, a counterbalanced crank shaft journaled in the crank case, pistons operating in the cylinders

and having rods extended into the crank case, crossbead guides fitted to the sides of said case interiorly thereof, crossheads connecting the rods



with the guides and slidable on the same and connecting rods operated by the crank shaft and pivoted to the crossheads for reciprocation of the pistons.

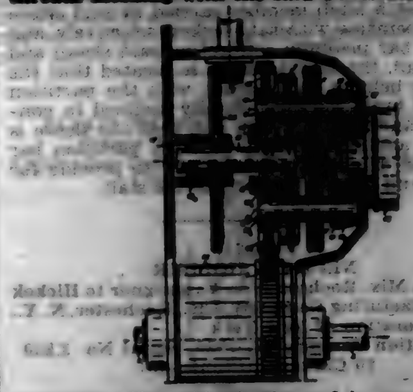
2,030,760
METHOD AND MEANS FOR THE RECORDATION OF SOUND
Carl Louis Oswald, New York, N. Y., and Warren Dunham Foster, Washington Township, Bergen County, N. J., assignors, by direct and mesne assignments, to Klangfilm Patents Corporation, a corporation of New York
Original application October 29, 1928, Serial No. 315,761, now Patent No. 1,925,252, dated September 26, 1933. Divided and this application August 21, 1933, Serial No. 686,154. In Great Britain October 26, 1929
31 Claims. (Cl. 179—100.3)



1. The method of recording sound which consists in the exposure of photo-sensitive material to light of approximately 4000 Angstrom units varying the light for implanting latent images thereon in accordance with the variation of the sound which is being recorded, and developing said latent images into black and white visible images.

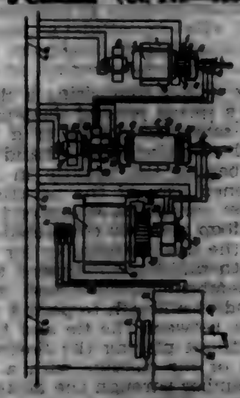
2,030,761
DIFFERENTIAL SPEED CHANGING GEAR
Alexandre Pétroumenko, Alger, Algeria
Application August 18, 1934, Serial No. 739,334
In France October 4, 1933
3 Claims. (Cl. 74—333)

1. In a differential speed-changing gear for automobiles, a driving shaft, two driving axles for the road wheels of the vehicle, a differential means connecting the two driving axles of the road wheels, a sun pinion wheel keyed to the driving shaft, two planet pinions engaging the sun pinion wheel, two shafts on which the planet pinion wheels are mounted, a bush turning freely around the driving shaft and carrying the shafts of the planet pinion wheels, a toothed crown wheel external to the bush and meshing with the differential means for the actuation of the axles of the road wheels, two worm wheels keyed to the shafts on which the planet pinion wheels are mounted, an irreversible worm with two opposite threads meshing with the said worm wheels and



preventing the said wheels, and in consequence the shafts on which they are mounted, from turning in order to make the bush interlocked with the driving shaft and to actuate the road wheels of the vehicle.

2,030,762
ELECTRICAL APPARATUS FOR THE TRANSMISSION OF ANGULAR MOVEMENTS
Giuseppe Massimo Pastarini, Sheffield, England
Application December 11, 1933, Serial No. 702,453
In Great Britain December 23, 1932
5 Claims. (Cl. 172—239)



3. Equipment for transmission of a sum of angular movements, comprising transmitting apparatus and receiving apparatus electrically connected together, the transmitting apparatus comprising a plurality of electrical machines, one machine for each angular movement, each unit comprising a rotor with winding and commutator, driven at substantially constant speed, and a stator merely affording a path for the flux created by the rotor ampere turns, the commutator of the machine being associated with two sets of brushes, one set, called primary, carrying direct current at constant voltage, and the other set, called secondary, collecting a polyphase current, the primary set being rotated at an angular speed which is the sum of the angular speed corresponding to the preceding units, and the secondary set being rotated at the angular speed corresponding to the actual unit, and supplying polyphase current to the receiving apparatus.

2,030,763
FILE WIRE
Oliver J. Pickard and Fred Pickard, Philadelphia, Pa.
Application June 28, 1934, Serial No. 732,934
1 Claim. (Cl. 129—44)



A pile wire comprising a substantially U-shaped end portion, and a filler piece secured between the sides of said U-shaped end portion and being recessed at the top to afford a pocket for reception of a primary cutting blade, the end of said filler piece adjoining the extremity of the wire being of increased height to provide a projection at the upper edge of the wire shank next at the inner side and constituting an auxiliary cutting blade, the ends of said pocket being undercut to prevent retraction of said primary blade from the top of the pocket, a section of one side wall of said U-shaped portion being partially severed to provide an integral flexible tongue displaceable from the normal plane to afford access to said pocket for insertion and withdrawal of said primary blade.

2,030,764
COIL WINDING MACHINE
Lora E. Poole, Anderson, Ind., assignor, by mesne assignments to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 14, 1932, Serial No. 598,822
31 Claims. (Cl. 242—9)



1. In a coil winding machine, the combination of a rotatable head for drivingly supporting a form; a rotatable member movable axially toward or away from a form for retaining the latter on the head; a reciprocable wire feeder, said feeder being operative only during movement toward the head; power means for moving the wire feeder away from the head; and a controller operated in response to movement of the form retaining member into retaining position for causing the power means to move the feeder away from the head.

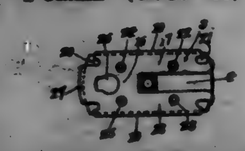
30. In a coil winding machine, the combination of a rotatable winding head; a straight track through which a supply wire is guided to the head; a wire cutting device including a stationary shearing edge in the track and a rotary member having a plurality of equi-angularly spaced shearing edges adapted to cooperate with the stationary shearing edge, the axis of rotation of said member being inclined with respect to the track so that only that shearing edge of the member which presently cooperates with the stationary shearing edge may contact the wire; a ratchet carried by the member; and a linearly movable pawl cooperating with the ratchet for rotating the member so as to bring consecutive shearing edges of the member into cooperation with the stationary shearing edges.

2,030,765
COVER FOR LOOSE LEAF BOOKS
John J. Eichert, Elmsere, N. J., assignor to Beerum & Ponse Company, Brooklyn, N. Y., a corporation of New York
Application June 28, 1934, Serial No. 732,933
7 Claims. (Cl. 129—24)



1. In a loose leaf book having rings, a cover comprising a back, a side cover and a hinge, in combination with a reinforcing strip lying between said side cover and its point of contact with a ring and secured to said side cover, and means securing the hinge to the side cover passing through said reinforcing strip.

2,030,766
SAFETY RAZOR
Frank F. Schlattau, Los Angeles, Calif.
Application October 19, 1933, Serial No. 694,366
1 Claim. (Cl. 30—45)



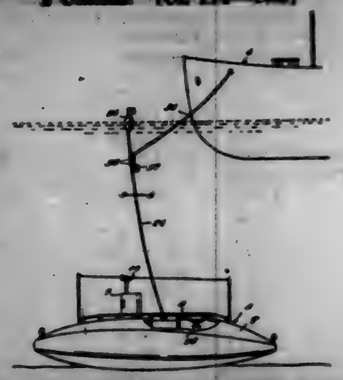
In a safety razor, a handle formed with a socket for a part of its length, said socket of two different diameters, the portion of smallest diameter being threaded, the portion of largest diameter opening at the forward end of the handle, a guard formed with a centrally arranged polygonal shaped opening and lengthwise extending grooves adjacent its side edges, a holder having an integral stem formed of a polygonal shaped forward part having a pair of spaced side faces parallel to the edges of the holder and extending through said opening and into said portion of largest diameter, said stem having a reduced peripherally threaded rear part engaging with the aforesaid threaded socket portion, a reversible blade positioned between the holder and guard, said blade being formed with a lengthwise furcation for inserting it in position from corresponding ends of said holder and guard, said furcation having parallel side walls for contacting said pair of spaced side faces for guiding the blade during its lengthwise insertion between the holder and guard, opening at one end of and having its base disposed between the transverse median and the other end of the blade, said base opposing in close relation another side face of the said forward part, and said holder, guard and blade having coacting intervengaging blade positioning means disposed inwardly adjacent respec-

tively to the side edges of the holder, to the grooves of the guard and to the side edges of the blade.

2,030,767
PROCESS FOR IMPROVING MAGNESIUM ALLOYS, ESPECIALLY IN SHAPED FORMS
Walther Schmidt, Paul Spitaler, and Werner Schultze, Bitterfeld, Germany, assignors, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application August 11, 1932, Serial No. 628,294. In Germany April 25, 1929
2 Claims. (Cl. 148—31.3)

1. A process for improving the physico-mechanical properties of a magnesium alloy containing about 8.2 per cent of aluminum, which process comprises heating the alloy at 410° C. for 72 hours and then cooling the alloy down to 100° C. in a furnace within about 24 hours, the temperature drop being so arranged that the time allowed for traversing the temperature zone between 300° and 100° C. is at least about 18 hours.

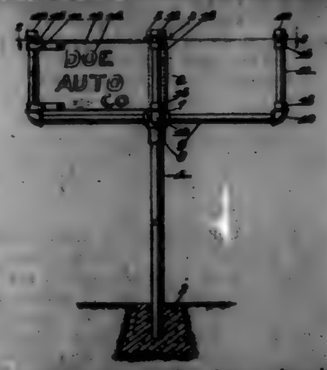
2,030,768
LIFESAVING EQUIPMENT FOR MARINE VESSELS
William R. Shutts, Lewisburg, Pa.
Application February 14, 1935, Serial No. 6,542
2 Claims. (Cl. 114—16.5)



1. A buoy comprising a floatable body, a reel mounted in the body, a frame in the body for supporting the wheel, said frame being provided with a weight at one end, and a rockable flagstaff provided with a flag at the opposite end of the frame.

2,030,769
ADVERTISING DEVICE
Henry A. Slattengren, Oak Park, Ill., assignor of one-fifth to Julia C. Barck, Lindstrom, one-fifth to Maria E. Slattengren, Chicago City, one-fifth to Esther O. Alida Davidson, St. Paul, and two-fifths to Hattie J. E. Slattengren, Lindstrom, Minn.
Application February 26, 1935, Serial No. 8,376
2 Claims. (Cl. 40—39)

1. An advertising device comprising a fixed center post, a rotor rotatably mounted on the post, said rotor consisting of a center sleeve structure fitted down over the post, a cap included in said structure and a thrust bearing between the cap and the post, radial arms attached to the sleeve structure, outer posts in upright positions on the radial arms; and vanes carried by the outer posts, each vane having hinge means by which it is turnably carried by the respective post, said vane having sufficient distance between the hinge means and the center post so that the free



end of the vane contacts the sleeve structure during a portion of the rotation of the rotor.

2,030,770
WEED PULLER
Robert L. Smith, Lynchburg, Va., assignor of forty-nine per cent to Edgar M. Shaner, Lynchburg, Va.
Application May 11, 1935, Serial No. 21,617
5 Claims. (Cl. 55—65)



1. A weed extractor comprising a shank having spaced slots formed therein, cutting blades secured to one end of the shank, a sleeve slidably mounted on the shank and normally closing the slots therein, an ejector mounted for reciprocation between the blades, a pin carried by the sleeve and having its intermediate portion anchored to the ejector and its opposite ends projected laterally to form operating pins for moving the ejector to extended position, and a spring disposed within the shank and operatively connected with the ejector for returning the ejector to retracted position.

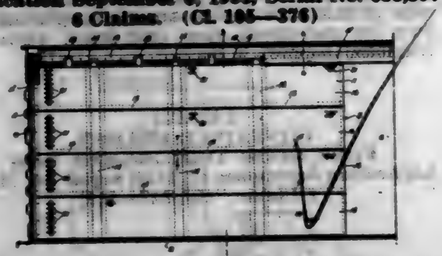
2,030,771
APPARATUS FOR THE EXPANSION OF HYDROCARBONS FOR CRACKING AND DISTILLATION
Carl Still, Recklinghausen, Germany
Application July 27, 1933, Serial No. 682,482
In Germany August 5, 1932
4 Claims. (Cl. 196—104)

4. Apparatus for the expansion of hydrocarbon after heating under pressure for cracking and distillation thereof, comprising in combination an expansion chamber, an inlet and an outlet therefor, a pipe connected to said inlet and supported in said chamber for conducting hydrocarbon under pressure to said chamber, a valve seat on said pipe, a valve member adapted to rest on said seat to close said inlet, a freely slidable shaft rotatably supported in said chamber, a universal



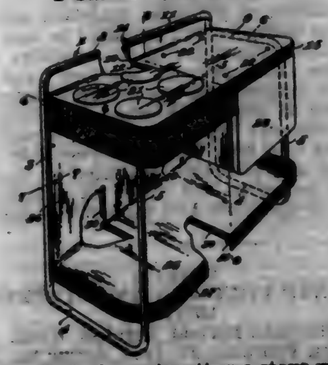
joint connecting said shaft and said valve member, a scraper fixed to said valve member and protruding into said inlet pipe, and driving means connected with said shaft to effect rotation of the shaft, valve member, and scraper whereby said valve seat and inlet pipe are kept free from residual deposits.

2,030,772
BOX CAR
William L. Thomas, Haverstraw, N. Y., assignor to The New York Central Railroad Company, a corporation of New York
Application September 6, 1933, Serial No. 688,297
6 Claims. (Cl. 105—376)



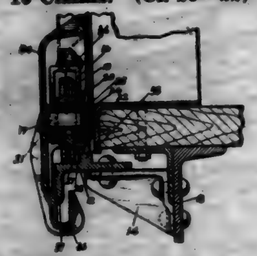
1. In a box type freight car, the combination of a car body having oppositely disposed walls, each wall comprising spaced outer and inner vertical wall sections, said inner wall sections extending substantially from roof to floor, the inner wall sections of the walls being provided throughout the wall sections with correspondingly arranged vertical and horizontal rows of openings therein, a plurality of supports adapted to be extended between and mounted upon the inner wall sections of said oppositely disposed walls for supporting therefrom horizontally arranged vertical load carrying shelves and vertically arranged load carrying partitions or load displacement preventing abutments at different points in horizontally and vertically spaced relationship to each other on said walls, said supports having engaging elements interchangeably engageable with the openings in the inner wall sections to mount the individual supports at different points in horizontally or vertically spaced relationship to each other on the opposed walls, and reinforcing and bracing means in the spaces between the outer and inner wall sections of the respective walls rigidly uniting the inner and outer wall sections of each wall and sustaining the inner wall sections against distortion or collapse under the strains of the load weights supported by the mounted supports therefrom.

2,030,773
METHOD OF CONSTRUCTING STOVES AND RANGES
Jacob Teller, New Rochelle, N. Y., assignor to Teller Stove Designing Corporation, New York, N. Y., a corporation of New York
Application September 22, 1933, Serial No. 690,698
1 Claim. (Cl. 29—148)



The method of constructing a stove which consists in bending a continuous metallic strip or rod to provide a horizontal rear member and perpendicular rear parallel supporting vertical members, then bending the lower portion of said rear parallel members forwardly to provide supporting feet, then bending the extremities of said supporting feet members first upwardly and then rearwardly to provide respectively front supporting members parallel with the back vertical supporting members, and horizontal cooking top supporting members, then securing a cooking top on its supporting members, and a lower horizontal shelf portion and an upwardly bent rear portion to said rear and front vertical members.

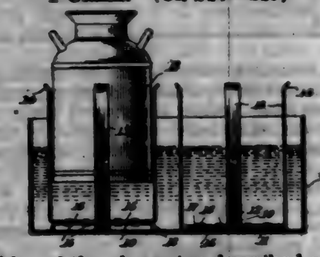
2,030,774
DOOR CONSTRUCTION
George R. Treptow, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application August 15, 1934, Serial No. 739,893
10 Claims. (Cl. 20—22)



1. In a railway freight car having a door opening in a side thereof, a track secured to said car adjacent to the lower horizontal margin of said opening, a slidable door supported upon said track for closing said opening, means at least co-extensive with said margin of the door opening disposed vertically between said track and the lower edge of said door for continuously

and frictionally supporting said door in the lowered and closed position thereof, thereby preventing cinders, dust and the like from passing below and across said door from the outside thereof and into said car through the door opening, said means being narrower than the lower edge of said door and means for supporting said door for movement upon said track when said frictional support is broken.

2,030,775
CONTAINER HOLDER
Frank Jerome Twiss, Swanton, Ohio
Application September 17, 1934, Serial No. 744,469
1 Claim. (Cl. 248—149)



A holder of the character described comprising a pair of crossed pivotally connected members, interfitted raised portions about the pivotal connection of said members and coacting to frictionally hold the same when swung in parallel relation to each other or at right angles to one another, pairs of arms having inturned lower ends overlapping the said members on opposite sides of the pivotal connection thereof, rivets fixed in the lower inturned ends of said arms and slidably connected with the members for the spreading apart and the bringing together of the said arms with relation to their pairs and downwardly curled ends on the uppermost member for steadying the members when in crossed relation to each other and at rest.

2,030,776
FOLDING GRANDSTAND
Forrest C. Vance, Champaign, Ill.
Application July 2, 1935, Serial No. 29,556
16 Claims. (Cl. 189—1)

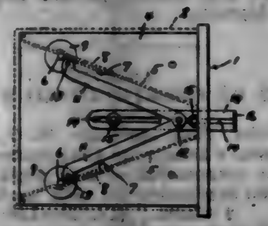


1. In a foldable grandstand opposed sets of vertical uprights for seat members one set being fixed, another set being movable to a position to an angle to said fixed set and the others of said sets being vertically movable relative to the fixed set, carriers for a foot-rest member connecting the said another set to one of the sets of the said other sets, a set of links for pivotally connecting the said others of said sets together, a lower set of combined bracing and supporting elements pivotally connecting one of the sets of the said other sets to said fixed set, a set of upper combined bracing and supporting elements pivotally connecting another of the sets of the said other sets to said fixed set, means in connection with said upper and lower sets of elements acting to maintain the grandstand in extended position, foot-rest member supporting means pivotally connected to a set of the said other sets and adapted to be supported by said lower set of elements when the grandstand is extended, and foot-rest member supporting means pivotally connected to said fixed set and adapted to be supported by said upper elements when the grandstand is extended.

2,030,777
METHOD OF DRILLING WELLS
Harold L. Woods, Monroe, La.
No Drawing. Application June 6, 1934, Serial No. 729,343
6 Claims. (Cl. 255—1)

1. In well drilling operations, the method of opening the pores of porous producing formations, which comprises removing the mud circulating fluid upon reaching said formation, introducing an acid solution into the well and conducting the drilling operation in the producing formation in the presence of said acid solution.

2,030,778
CAMERA
Robert B. Armstrong, Rossdale, Ind.
Application January 10, 1935, Serial No. 1,251
2 Claims. (Cl. 95—31)

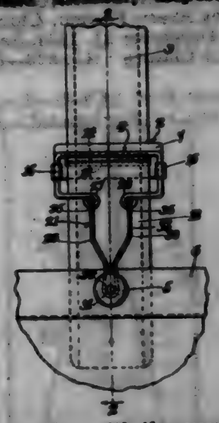


1. A camera of the class described comprising, a case, an exposure box mounted in said case, a pair of shafts journaled in the exposure box adjacent the exposure area, shutters fixed on the shafts for varying the size of the exposure area, disks fixed on the shafts, a bar slidably mounted on the exposure box, and links pivotally connected, at one end, to an intermediate portion of the bar and pivotally connected at their other ends off center to the disks for actuating the shutters to operative and inoperative position.

2,030,779
COMBINED COUPLING AND SUSPENSION DEVICE
Sherman Belveal, Delphos, Kans.
Application February 27, 1934, Serial No. 713,192
1 Claim. (Cl. 24—73)

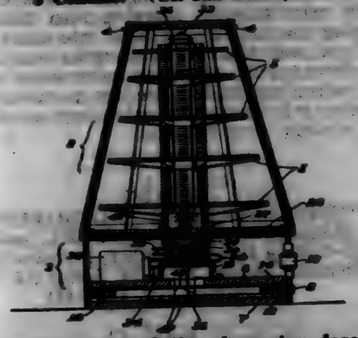
In a combined coupling, adjusting and suspension device, a combined pressure applying and coupling means consisting of an upper skeleton member and a lower skeleton member, said upper member being of greater width and of less length than said lower member, said upper member being formed with an opening and the central portion of its bottom with a passageway leading to said opening and depending eyes extending in opposite lateral directions from the sides of said opening and bordering said passageway, said lower member being open at its upper end and having a contracted lower portion, the upper end of the sides of said lower member being in the form of

outwardly directed eyes depending from the upper terminus of said member, disposed at right



angles to and coacting with the eyes of the upper member for loosely connecting said members together.

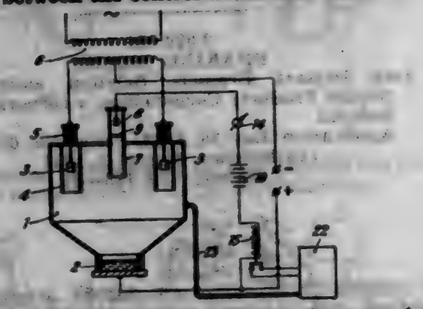
2,030,780
REFRIGERATING DISPLAY CABINET
Ralph N. Bicknell, Bangor, Maine
Application February 23, 1935, Serial No. 7,760
5 Claims. (Cl. 312—99.5)



4. In a show case of the character described, the combination of a casing having transparent portions, a display structure in said casing, means supporting said structure for rotation relatively to said casing, power driven mechanism for revolving said structure, and a mechanical refrigerating system revolving with said structure and serving to cool the goods supported on it, said display structure comprising shelves mounted one above another to rotate about a common upright axis and in which refrigerating coils forming part of said refrigerating system are spaced along said shelves, the power unit for said refrigerating system being contained in a compartment separate from that in which the display structure is mounted.

2,030,781
ARRANGEMENT FOR SUPERVISING THE VACUUM, I. E., THE GAS OR VAPOR PRESSURE, IN VACUUM DISCHARGE APPARATUS
Walter Dällenbach, Berlin-Charlottenburg, Germany
Application July 8, 1935, Serial No. 30,136
In Germany July 9, 1934
10 Claims. (Cl. 175—363)

1. In an arrangement for supervising the vacuum in vacuum discharge apparatus, a main anode, a cathode, means for effecting a principal discharge between the main anode and the cathode, a control anode, a screen arranged ahead of the control anode and partitioning the chamber of the control anode from the interior of the apparatus, means for effecting an auxiliary discharge between the control anode and the cath-



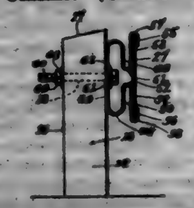
ode at current intensities at which the space in the chamber of the control anode becomes poor in ions, and the current intensity in the auxiliary discharge tends to assume a saturation value which is a function of the vacuum in the apparatus, a circuit connected to the control anode, and means in the circuit for regulating the vacuum in the apparatus.

2,030,782
GUARD DEVICE
John P. Dennebaum, Scranton, Pa.
Application June 12, 1935, Serial No. 26,231
12 Claims. (Cl. 256—13.1)



1. In a guard device, a resilient element adapted to have its outer portion abut the inner face of a guard rail, means for anchoring said element directly against and in lateral suspended relation to an upstanding support, a coupling element adapted to abut the outer face of the guard rail, said elements having coacting interengaging parts at their upper ends for quickly detachably connecting them together to bear against the faces of the guard rail, and means carried by and coacting with said elements independently of the guard rail for clamping said elements and rail together to resiliently suspend the latter.

2,030,783
GUARD DEVICE
John P. Dennebaum, Scranton, Pa.
Application September 5, 1935, Serial No. 39,381
9 Claims. (Cl. 256—13.1)



1. In a guard device, an extendible and contractible open front and closed rear guard rail clamping and suspension element having oppo-

sitely disposed superposed spaced clamping jaws at its front for clamping the rail against said element, said element having parts coacting with said jaws to provide upper and lower oppositely disposed spaced aligning channels for receiving respectively the top and bottom of the rail.

2,030,754
BRAKING MEANS
Jean Dessart, Brussels, Belgium, assignor to Bendix Products Corporation, a corporation of Indiana
Application July 30, 1932, Serial No. 626,630
In Belgium August 1, 1931
2 Claims. (Cl. 188—3)



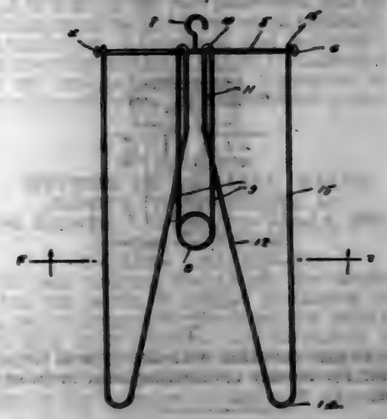
1. In a braking means for controlling the brakes of a vehicle being towed from a towing vehicle, comprising a reservoir on a towed vehicle, a power cylinder on a towed vehicle, a distributor controlling communication between the reservoir and power cylinder, a lever for operating the distributor, a second lever for actuating the brakes, the first mentioned lever being pivotally supported by the second lever and having limited free movement relative thereto, an auxiliary cylinder, a piston in said cylinder connected to said first mentioned lever, a spring in the auxiliary cylinder for operating the piston in one direction, a suction pipe communicating with said cylinder, the suction in said pipe operating on the piston in the auxiliary cylinder in opposition to the spring therein, and a pipe connection between the suction pipe and the reservoir.

2,030,785
ARTIFICIAL HAND
David W. Derrance, San Jose, Calif.
Application April 16, 1935, Serial No. 16,684
1 Claim. (Cl. 3—12)



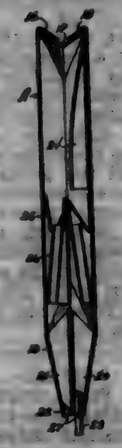
In an artificial hand of the kind described, relatively movable fingers, curved tips on said fingers and disposed at an acute angle thereto, shoulders formed on the inner faces of the tips and interfitted with each other, pincer jaws extended from the fingers at right angles thereto at the point of merger of said fingers and tips, a hook extending from one of the pincer jaws and lying in the plane thereof and projected at right angles thereto, a ball bearing equipped pivot connecting the fingers for swinging movement relative to each other, shoulders formed on the fingers close to the said pivot, tensioning means encircling the fingers and abutting the said shoulders, the fingers at the shoulders being provided with opposed confronting seating notches, and forks on said fingers in opposite relation to each other next to the shoulders.

2,030,786
PANTS HANGER
James Avery French, Chicago, Ill.
Application December 21, 1934, Serial No. 758,571
2 Claims. (Cl. 223—63)



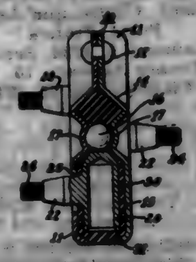
1. A device of the class described comprising a rod having heads on the ends thereof, a hook extending from the central portion of the rod, and a strand of resilient material curved intermediate its ends so as to provide a coil from which extends arms merging into bights overhanging the rod and merging into arms depending from said bights and merging into obliquely and downwardly diverging extensions which in turn merge into bights, the last mentioned bights merging into upwardly extending arms having eyes slidable over the rod.

2,030,787
POWDER PACKAGE AND DISPENSER
John Edgar Garnet, Allentown, Pa., assignor of one-half to David Williamer, Pottstown, Pa.
Application August 14, 1934, Serial No. 739,775
3 Claims. (Cl. 43—146)



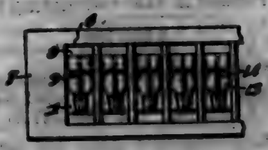
1. An article of the character described comprising a body having a bellows formation at its bottom and sides, outwardly tapered spouts formed from said body at one end thereof and one operating as a dispensing tip and the other as a breathing tip, a check valve within the latter tip, a spring holder interiorly of the body, and a bellows spring within said holder.

2,030,788
RESILIENT UNIVERSAL JOINT
Harvey D. Geyer, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 15, 1933, Serial No. 689,641
8 Claims. (Cl. 64—14)



1. A resilient universal joint comprising: four trunnions lying substantially in a plane and arranged radially 90 degrees apart, each of said trunnions having a lateral projection rigid therewith, two of said projections on aligned trunnions projecting from one side of said plane and the other two projections projecting from the opposite side of said plane, a metal housing encasing said four trunnions in spaced relation therewith and having holes in each opposed side thereof through which said projections project without normally contacting said housing, a central metal ball adapted to bear upon the inner ends of said four trunnions, and resilient non-metallic material separating said trunnions and housing.

2,030,789
KEYBOARD CAM
Frederick D. Harris, Miami, Fla.
Application February 21, 1935, Serial No. 7,853
3 Claims. (Cl. 200—6)



3. A keyboard cam arm bearing comprising an elongated bearing extension having its side faces tapered inwardly from the top to present a blunt wedge shape in end elevation, said bearing extension being provided with a bearing recess extending longitudinally in the middle portion thereof and opening through the tapered faces, and an antifriction roller revolubly mounted in the recess and having its sides extending through the openings of the tapered faces, said roller being of a diameter corresponding substantially to the widest portion of the bearing extension.

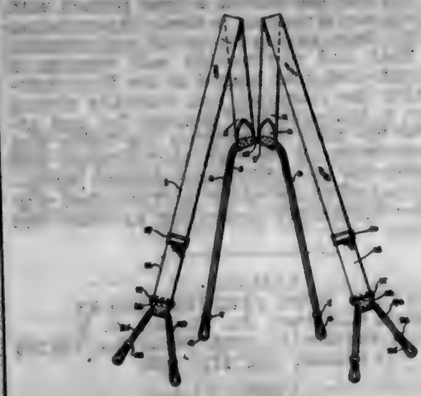
2,030,790
EAR MUFF
Emil W. Hermann, Kenmore, N. Y.
Application March 12, 1935, Serial No. 10,719
3 Claims. (Cl. 2—209)

1. An ear muff comprising a covering for the ear, a frame for the covering, trunnions included in said frame, means to be detachably secured to a garment of the user and having the trunnions mounted therein for pivotal movement, means formed on the trunnions, and means arranged in the first mentioned means for engagement with



the second mentioned means for holding the covering in operative or inoperative positions.

2,030,791
BRACE
Stephen R. Hickok, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application January 14, 1935, Serial No. 1,740
12 Claims. (Cl. 241—19)

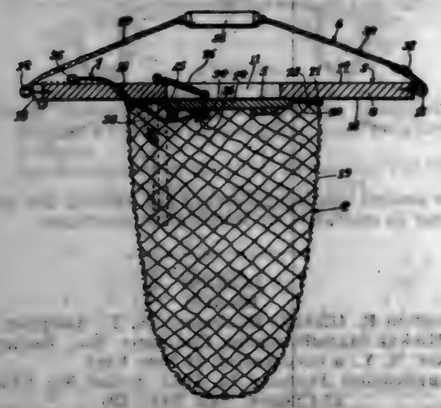


1. A brace comprising shoulder straps spaced apart throughout their entire length, and a continuous light flexible member extending across the space between and secured to the rear terminals of the shoulder straps and extending from the same to form rear suspender ends connected only at the top directly to the rear ends of the shoulder straps, said flexible member consisting of a single continuous piece of cord doubled to form two strands and to provide button engaging loops at the ends of the flexible member, the strands of the cord being contiguous throughout the entire length of the member between the said button engaging loops.

2,030,792
WATER-MISCIBLE VITAMIN PREPARATIONS CONTAINING VITAMIN D
Charles W. Hooper, Sharon, Conn., assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application December 4, 1935, Serial No. 52,827. In Canada February 15, 1935
10 Claims. (Cl. 167—81)

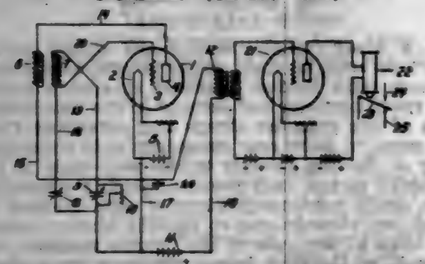
1. A vitamin D stable water-miscible vitamin preparation containing an antirachitic vitamin D dissolved in a solvent selected from the group consisting of the propanediols, 1,2-butanediols 1,2-butanediol, 2,3-butanediol, 1,4-butanediol and 2-methyl-1,2-propanediol.

2,030,782
FISH BAG OR HOLDER
Otto Horn, Ionia, Mich.
Application May 3, 1935, Serial No. 19,665
8 Claims. (Cl. 43—55)



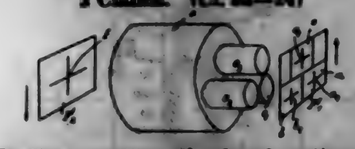
1. A fish bag comprising a float formed with an opening and a channel, a mesh-like container of bag-like form having its mouth end attached to the float and surrounding said opening, a spring controlled door hinged to the float shiftable within the container and normally closing the door, a latchable pull member for and attached to the door for opening the latter and extending outwardly through said channel, and a combined tow line and handle element permanently attached at one end to and provided with means for detachably connecting its other end to the float.

2,030,794
VACUUM TUBE PERIODIC RELAY
Gilbert E. Barton, Jr., Hewlett, N. Y.
Application October 26, 1934, Serial No. 750,248
5 Claims. (Cl. 175—320)



1. A system for producing a relatively low frequency variation of the average current in the primary winding of a transformer comprising a thermionic tube having a cathode, an anode and a control electrode, a source of potential connected so as to energize said cathode, a source of anode potential, an inductance coil, means connecting said source of anode potential, the primary winding of said transformer and the inductance coil in series between the cathode and the anode of said tube, a second inductance coil closely coupled to said first mentioned inductance coil, a condenser of relatively small capacity, a condenser of relatively large capacity shunted by a resistance of relatively large also, means connecting the condenser of relatively small capacity between the control electrode and the cathode of said tube, means connecting one of the ends of said second inductance coil to the control electrode, and means connecting the other end of said second inductance coil to the cathode of said tube, said last means including the combination of relatively large capacity shunted by said resistance of relatively large size whereby the potentials induced in the secondary of said transformer are of relatively low frequency.

2,030,795
COLOR CINEMATOGRAPHY
Victor Hudelay, Cloby, and Jean Lagrave, Paris, France
Application January 8, 1934, Serial No. 705,600
In France January 10, 1933
3 Claims. (Cl. 88—24)



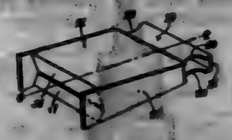
1. In the recording of colored motion pictures on a lenticular film employing the intermediate steps of recording three individual partial trichrome images on an intermediate film and transferring and superposing said three images in exact registry on a single frame of said lenticular film notwithstanding shrinkage of said intermediate film, and employing a single front lens in the original taking ahead of three color-selecting objectives, and employing in transfer three adjustably positioned selecting objectives, a principal objective, and a collimating lens comprising a crossed-line figure formed therein, the method of securing exact registry of said three partial images on a single frame of said lenticular film which consists in exposing a crossed-line figure in the focal plane of said single front lens during the original taking of a preliminary frame on said intermediate film, viewing before transfer in said collimating lens the three crossed-line figures formed on said partial images on said intermediate film, and adjusting the positions of said three selecting objectives employed in transfer until said three crossed-line figures formed on said partial images coincide with said crossed-line figure formed in said collimating lens.

2,030,796
SCOOTER
Earl P. Kanzenbier, Youngstown, Ohio
Application May 23, 1934, Serial No. 725,838
5 Claims. (Cl. 280—87.5)



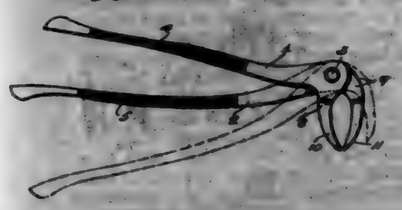
1. In combination with a scooter having a wheeled main frame and having a wheeled steering frame connected with the main frame, a rocker arm carried by said main frame; a lever loosely pivoted intermediate its ends on said arm, eccentric means connected with said lever and operated by the rear wheel, and an animal-like figure carried by the lever whereby when the vehicle is moved the figure will be given a compound motion resembling an animal in the act of running.

2,030,797
MATCH BOX
George R. Knauth, Reno, Nev.
Application June 10, 1935, Serial No. 25,963
6 Claims. (Cl. 206—33.4)



1. A match box comprising a container portion for the matches open at its sides and having an outer end wall, a closure portion encompassing said container portion formed with closed sides open at its outer end, compressible and extendible hinged means at the inner ends of said portions for coupling them together and providing when compressed for the partly extending of the container portion from the outer end of the closure portion for disposing a match in position to be extracted, said hinge means forming the inner end walls of said portions and when extended retaining the container portion closed, and a foldable counting member secured to said means exteriorly of the closure portion and bodily moving with said means.

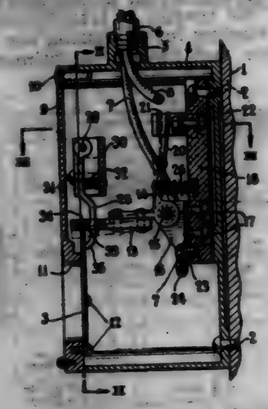
2,030,798
DENTAL FORCEPS
George C. Krajicki, Philadelphia, Pa.
Application February 12, 1934, Serial No. 710,911
1 Claim. (Cl. 32—62)



Dental forceps, comprising a pair of pivotally connected members, formed at one end to provide handles and at the other end to provide gripping jaws, and having their pivot aligned with said handles and in the common plane thereof, said jaws being bent beyond the pivot so as to extend laterally from the said common plane of the handles, and beaks extending from the lateral portions of the jaws at right angles to the handles and lying in a plane parallel to the plane of the handles, said beaks being arranged to operate in a direction parallel to the longitudinal axis of the instrument and perpendicular to the direction of operation of the handles.

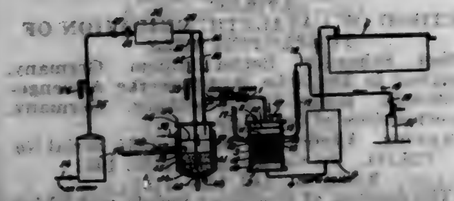
2,030,799
EMERGENCY CIRCUIT CONTROLLER
Robert J. Parsons, Schenectady, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York
Application May 9, 1934, Serial No. 724,715
9 Claims. (Cl. 246—122)

1. In an emergency circuit controller, in combination: a biased circuit controller formed with an arm whereby the controller may be moved and held against its bias; walls forming an enclosed space, one of said walls provided with an opening; a frangible sheet covering said opening and extending into the path of said arm whereby when the frangible sheet is in place the arm is held so as to hold the controller against its bias and whereby when the frangible sheet is destroyed the controller assumes the biased position; and a member adapted to be set manually



to hold the controller against the bias, in the absence of a frangible sheet, said member being automatically rendered inoperative with relation to said controller upon replacement of a frangible sheet.

2,030,800
METHOD OF VAPOR PHASE OXIDATION
Rowen Riegler, Buffalo, N. Y., assignor to National Aniline & Chemical Co., Inc., New York, N. Y., a corporation of New York
Application March 28, 1929, Serial No. 350,524
7 Claims. (Cl. 260—123)

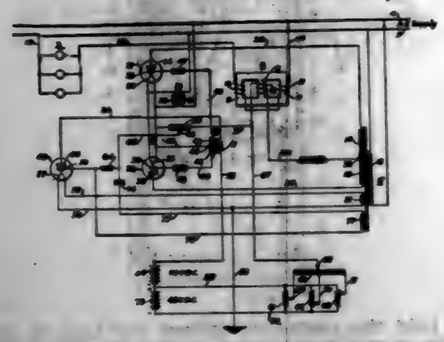


1. In the vaper-phase catalytic partial oxidation of an organic compound in which a gaseous reaction mixture containing the organic compound in the vapor phase and free oxygen in a predetermined proportion is passed in contact with a heated catalyst, the improvement in the method of controlling the proportion of organic compound to free oxygen in the gaseous reaction mixture which comprises saturating a gas containing free oxygen with the vaper of said organic compound at a known temperature, and admixing said saturated gas with an amount of gas containing free oxygen adapted to reduce the proportion of organic compound to free oxygen to said predetermined value.

2,030,801
REMOTE CONTROL FOR THEATER LIGHTS
Robert D. Ross, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application May 7, 1930, Serial No. 450,584
9 Claims. (Cl. 171—119)

1. Means for controlling current in an electrical circuit including, a reactor having a control winding, a source of alternating current, a source of direct current, a three-electrode valve

having its hot cathode energized from the alternating current source, a three-electrode grid-glow valve having its input circuit energized from the alternating current source and having its output circuit connected to energize the control winding of the reactor, a transformer having a secondary winding for energizing the grid of the second valve and having its primary winding



connected in the output circuit of the first valve and to the direct current source, means for displacing the phase relation of the potential impressed on the second valve, an adjustable means for regulating the break down potential of the grid-glow valve, and means for impressing variable potential values upon the grid of the first valve for controlling the current output of the grid-glow valve and the said reactor.

2,030,802

METHOD OF CATALYTIC OXIDATION OF TURPENTINE OILS

Walther Schrauth, Berlin-Dahlem, Germany, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany, a corporation of Germany

No Drawing. Application May 18, 1934, Serial No. 726,201. In Germany May 29, 1933

9 Claims. (Cl. 260—116)

1. The method of producing maleic acid which comprises mixing turpentine oil vapor with air in excess of that required for the re-action and contacting the mixture with an oxidising catalyst selected from the group consisting of the oxides of vanadium, molybdenum, tungsten, uranium, manganese, and tin having acid character and the metal salts of the acids of said oxides to oxidise the turpentine oil to maleic acid.

9. The method of producing maleic acid which comprises reacting turpentine oil in the vapor phase with oxygen at a temperature of 250 to 500° C. in the presence of a catalyst comprising a metal salt of vanadic acid.

2,030,803

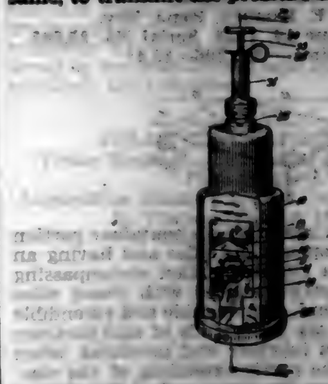
COMPRESSING DEVICE

Robert Temple, Jr., Denver, Colo., assignor to Robert Temple, Inc., Denver, Colo.

Application August 18, 1931, Serial No. 557,857

21 Claims. (Cl. 140—113)

1. A press comprising a frame having complemental die elements shaped to receive a piece of work therebetween, one of said elements being movable relative to the other element, means in said frame to receive an explosive charge, means to detonate said charge, and means, comprising a piston normally separated from the movable die-element and adapted to engage the same, to transmit the pressure of expansive force



resulting from the detonation of the charge to the movable die element.

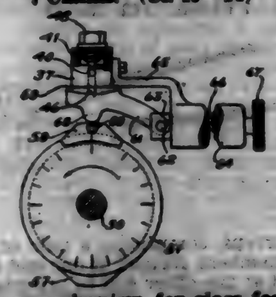
2,030,804

TIMING MECHANISM FOR GLASS FEEDERS

Oliver M. Tucker and William A. Reeves, Columbus, Ohio, assignors to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Original application October 24, 1913, Serial No. 797,067. Divided and this application November 17, 1926, Serial No. 148,985

7 Claims. (Cl. 65—14)



1. Timing mechanism for glass feeding apparatus or the like, comprising a rotary cam disk, a cam element carried by said disk and adjustable circumferentially thereon, a valve-actuating member pivotally mounted at one of its ends and adapted to be rocked upon its pivotal axis by said cam element, and means for adjusting the pivot of said valve-actuating member to change the position of said valve-actuating member with respect to the path of said cam element, and for thereby changing the time, in the cycle of rotation of said cam element, at which said cam element engages and moves said valve-actuating member.

2,030,805

GASEOUS ELECTRIC DISCHARGE LAMP

Kurt Wiegand, Berlin-Neu-Tempelhof, Germany, assignor to General Electric Company, a corporation of New York

Application March 28, 1935, Serial No. 12,935

In Germany March 28, 1934

3 Claims. (Cl. 176—124)

1. A lamp unit comprising in combination a gaseous electric discharge lamp comprising a container, electrodes sealed therein, a gaseous atmosphere therein and a phosphorescent material

associated with said container, two of said electrodes being cold electrodes, another of said electrodes being a thermionic electrode, said cold electrodes being mounted on opposite sides of and at equal distances from said thermionic electrode, the rays emitted by said gaseous atmosphere, when excited by the passage of a dis-



charge between said electrodes, causing said phosphorescent material to emit light and an alternating current source for said lamp, said current source being a transformer, said thermionic electrode being connected to the mid-point of said transformer and said cold electrodes being connected to opposite ends of said transformer.

2,030,906

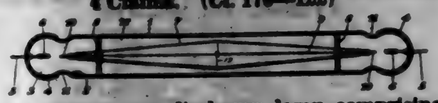
GASEOUS ELECTRIC DISCHARGE DEVICE

Kurt Wiegand, Berlin-Neu-Tempelhof, Germany, assignor to General Electric Company, a corporation of New York

Application March 25, 1935, Serial No. 12,987

In Germany March 29, 1934

4 Claims. (Cl. 176—122)



1. A gaseous arc discharge lamp comprising a tubular container, electrodes sealed therein, a gaseous atmosphere therein comprising a metal vapor and a closed tube in said container, a high electrical resistance conductor in said tube the ends of said conductor protruding from said tube and being adjacent said electrodes to facilitate the starting of the discharge therebetween, the longitudinal axis of said tube being in the longitudinal axis of said container and the outside diameter of said tube being less than the inside diameter of said container to permit the passage of the arc discharge between said electrodes.

2,030,907

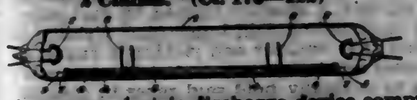
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE

Kurt Wiegand, Berlin-Neu-Tempelhof, Germany, assignor to General Electric Company, a corporation of New York

Application June 7, 1935, Serial No. 25,495

In Germany June 15, 1934

2 Claims. (Cl. 176—122)



1. A gaseous electric discharge device comprising an envelope, electrodes sealed therein, a gaseous atmosphere therein, an elongated tube in said envelope, said tube comprising an element of conducting material extending along the discharge path between said electrodes and terminating adjacent said electrodes and a quantity of vaporizable material in said tube.

2,030,908

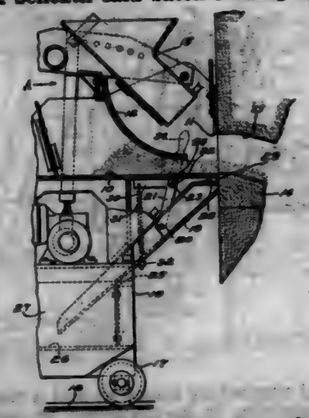
STILLED BATCH CATCHER

Charles H. Wise, Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application December 15, 1934, Serial No. 757,592

5 Claims. (Cl. 214—18)

1. The combination with a batch feeding apparatus having a feed outlet and mounted for movement to and from position to dispose said feed outlet in batch feeding relation with an inlet passage in a wall of a glass melting furnace or like structure, a loose batch catcher movably supported beneath said batch feeding apparatus



when the latter is in batch feeding relation with said inlet passage, and means acting automatically to position said loose batch catcher beneath the gap created between the feed outlet and said inlet passage when said batch feeding apparatus is moved away from said wall.

2,030,909

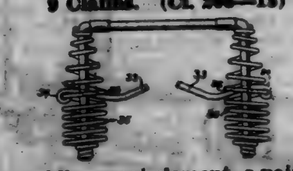
SADDLE

John W. Brandt, Elyria, Ohio

Application July 13, 1932, Serial No. 622,235

Renewed July 1, 1935

9 Claims. (Cl. 266—15)



1. In a saddle, a seat element, a pair of laterally spaced rods depending from said seat element and being pivotally secured thereto, each of said rods having a coiled spring associated therewith, each spring being secured at its lower end to its associated rod element, and a forwardly and rearwardly extending reach element, the forward end of said reach element being slidably secured to the seat element, the reach element terminating rearwardly in a pair of divergent arms, the end of each of said arms being intertwined with an intermediate convolution of one of said springs whereby the weight on the seat in use compresses the upper coils of the springs and exerts tensile stress on the lower coils.

2,030,910

GLASS GATHERING AND FORMING MACHINE

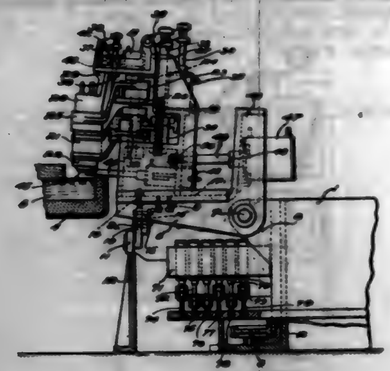
Robert W. Caulfield, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application March 8, 1929, Serial No. 345,316

3 Claims. (Cl. 49—5)

2. In a glass forming machine, a carrier mounted to rotate about a vertical axis, a substantially radial rigid supporting member connected at its inner end with said carrier to travel with the latter and to swing angularly about a horizontal

axis, a radially movable glass gathering and partition forming unit mounted on said rigid supporting member, a cam roller, a vertically adjustable arm supporting said roller and attached to



said radial supporting member, and a closed cam track in position to be traversed by said roller during the rotation of said carrier about said vertical axis.

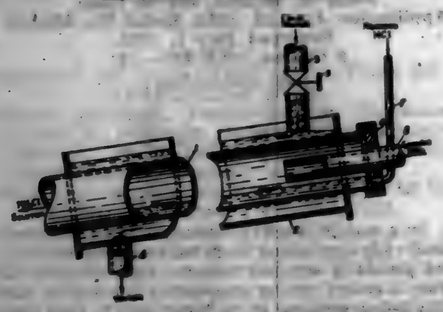
2,030,811

PROCESS FOR MAKING AMMONIUM SALTS

Russell R. Cushing, Haddonfield, N. J., assignor to Pennsylvania Salt Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania

Application December 16, 1933, Serial No. 702,712

13 Claims. (Cl. 23—100)



1. A method of preparing ammonium salts from ammonia and the corresponding acid, which consists in causing a stream of one of the reagents in concentrated solution to flow continuously through a long narrow tube, passing the other reagent in gaseous form continuously into the tube above the stream of the other reagent and cooling the outside of the tube to reduce the temperature of the reaction mixture as it travels toward the outlet of the tube.

2,030,812

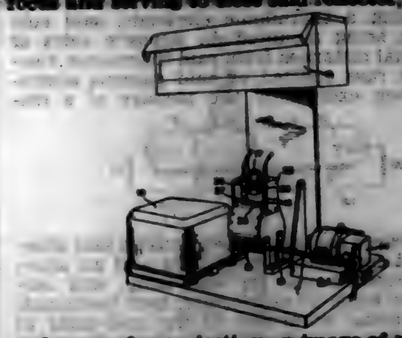
PROJECTION SYSTEM

Robert F. Dirkes, Jamaica, and Robert Steeneck, New York, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application January 23, 1934, Serial No. 707,972

13 Claims. (Cl. 88—24)

1. A projecting apparatus comprising a source of light, an elongated object to be illuminated, an elliptical cylinder reflector positioned with one linear focus intersecting said light source, a support for said object extending across said reflector substantially in the plane of the other linear focus and serving to close said reflector, a screen,



and means for projecting an image of said object on said screen.

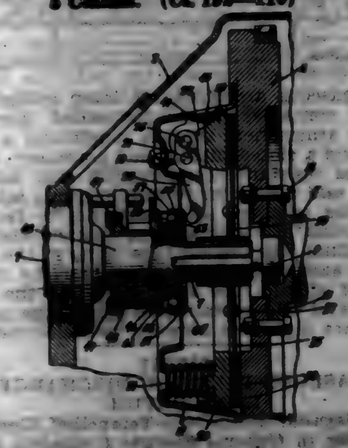
2,030,813

THRUST BEARING

John Dolza, Flint, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 25, 1933, Serial No. 658,582

5 Claims. (Cl. 199—110)



1. A bearing having an outer race with a spherical surface, an inner race having a circular ball-receiving recess formed therein, a plurality of balls in said recess engaging said spherical surface, a retainer carried by said outer race and surrounding said inner race, yielding means within said retainer and yieldingly engaging said retainer and inner race, said yielding means operable to normally hold said races in coaxial relation.

2,030,814

TESTING THE SUSCEPTIBILITY OF TELEGRAPH LINES TO INTERFERENCE

George L. Erickson, Hasbrouck Heights, N. J., and John J. Christoffel, Chicago, Ill., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application June 2, 1932, Serial No. 615,920

8 Claims. (Cl. 175—39)

1. The method of determining the susceptibility of a telegraph line to interfering currents comprising applying signals to the line circuit, consisting of alternate marking and spacing conditions of uniform period, biasing said line circuit to simulate a definite level of interference, repeating the signals, measuring the effect of said bias on the circuit by integrating the difference produced thereby in the marking and spacing conditions and utilizing said measurement to compute the departure of said signals from their original length due to said simulated interference.



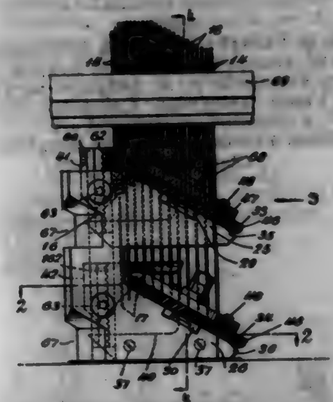
2,030,815

KNITTING MACHINE

Henry Feinman, Brooklyn, N. Y.

Application December 12, 1934, Serial No. 757,134

4 Claims. (Cl. 66—50)



1. A circular knitting machine of the character described having a circular bank of knitting needles, said knitting needles being arranged in groups or series alternately provided with butts at different elevations and a plurality of corresponding superimposed pattern wheels with cams cooperating with said butts, said pattern wheels being arranged in corresponding series at different levels, the upper pattern wheels being arranged to act upon the higher butts of one group or series composed of alternate needles and the lower pattern wheels being arranged to act upon lower butts of the other group or series composed of intermediate needles.

2,030,816

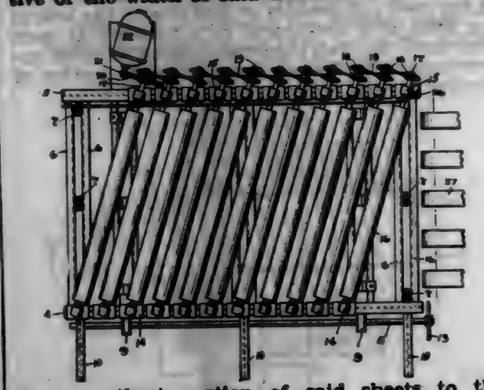
FEED TABLE FOR SHEETS

Ray M. Fenton, Youngstown, Ohio, assignor to Newton Steel Company, Youngstown, Ohio, a corporation of Ohio

Application May 19, 1934, Serial No. 452,593

1 Claim. (Cl. 90—46)

In apparatus of the character described a feed table for a rolling mill comprising a stationary base, and a laterally movable structure mounted on said base, said structure comprising a series of feed rolls located angularly with respect to the longitudinal extent of said base, means for driving said feed rolls, and guide means at one longitudinal side of said series of rolls, said movable structure being laterally movable with respect to said rolling mill and being manually controlled whereby sheets passing over said feed rolls may be fed to the center of said rolling mill irrespective of the width of said sheets thus presenting



the smoothest portion of said sheets to the smoothest portion of said rolls.

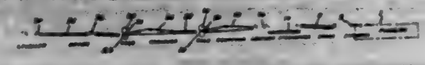
2,030,817

APPARATUS FOR FINISHING SHEETS

Ray M. Fenton, Youngstown, Ohio, assignor to The Newton Steel Company, Youngstown, Ohio, a corporation of Ohio

Application July 7, 1930, Serial No. 466,147

1 Claim. (Cl. 29—17)



In a machine for automatically imparting a full finish to steel sheets, in combination, a continuous pickler; a scrubber, a dryer, and a straightener, said scrubber, dryer and straightener being in an operative alignment and adapted to receive sheets automatically from said pickler and advance them through the said devices in the order stated at an increasing rate of speed; a leveler adapted to automatically receive sheets discharged from said straightener; a conveyor, a stand of cold rolls, a second conveyor, a second stand of cold rolls and a discharge conveyor, said conveyors and rolls being synchronized to advance a sheet received from said leveler at a decidedly higher, substantially uniform, speed, a dryer and a leveler, said devices being synchronized to substantially uniform speed materially less than that of the cold rolls, and aligned for the automatic passage of sheets through the several devices in the order named.

2,030,818

METHOD OF FORMING A PRESSURE VESSEL

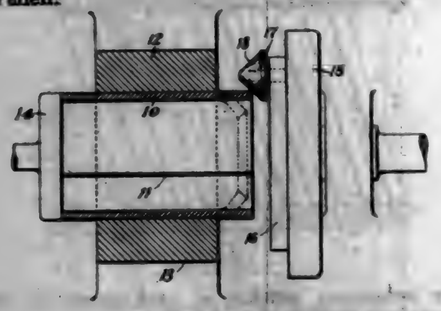
Isaac Harter, New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey

Application March 7, 1932, Serial No. 597,325

9 Claims. (Cl. 29—148.3)

1. The method of making a heavy-wall cylindrical pressure vessel with an integral head, which comprises forming a cylindrical shell with one or more longitudinal arc welds connecting edges of the parent metal of the shell and with the wall thickness of the shell substantially uniform, then heating to forging heat the end portion of the shell, and then applying pressure by a rotating tool, capable of adjustment radially and axially of the shell, around successive zones at the heated end portion of the shell beginning at the outer edge of the head, to form a head integral

with the cylindrical walls of the shell, the pressure being applied at each zone to cause the metal of the shell end portion to flow toward the axis of the shell, and continuing such pressure at each zone until the wall thickness thereof is equal approximately to that of the cylindrical portion of the shell.



4. The method of making a cylindrical pressure vessel with an integral head having a manhole therein and an internal manhole cover seat, which comprises forming a cylindrical shell having an integral head thereon with a relatively small central opening through the head and then applying the pressure of a rotating tool against the edges of said opening and axially of the cylinder to bend the edges of the opening inwardly of the cylinder, and then applying the pressure radially outward to further enlarge the opening.

2,039,819

PROCESS FOR PREPARATION OF LEATHER-LIKE FLEXIBLE AND PLIABLE MATERIAL FROM WOOD SHEETS

Reginald Oliver Herzog, Berlin-Steglitz, and Alfred Burgeni, Berlin-Lichterfelde-West, Germany, assignors to Wallwood Corporation, New York, N. Y., a corporation of New York

No Drawing. Application December 3, 1930, Serial No. 499,846. In Germany December 5, 1929

4 Claims. (Cl. 91—68)

1. The process of making a thin piece of wood soft and permanently flexible which comprises subjecting it to the action of an alkali solution of such a strength and for such a time that the natural wood structure is swollen and loosened without being destroyed and without destruction of the characteristic wood grain thereof, washing, and then saturating with a water-soluble substance such as glycerol, likewise of such a strength and for such a time as to avoid destruction of the natural wood structure and characteristic grain thereof.

2,039,820

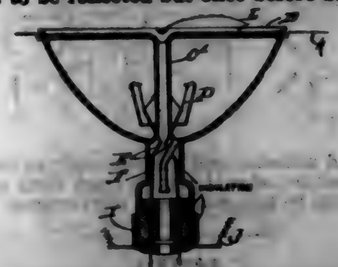
ELECTRIC HEATER

Robert F. James, Detroit, Mich., assignor, by mesne assignments, to Westinghouse Lamp Company, Bloomfield, N. J., a corporation of Pennsylvania

Application December 5, 1931, Serial No. 579,232

4 Claims. (Cl. 219—34)

1. An electric heater comprising a hermetically sealed bulb having a portion of concave configuration provided with a reflecting surface on the interior wall thereof, an end wall integral with said concave portion constituting a heat absorption body adapted to be disposed in surface-engagement with an object to be heated, an electrically heated radiant element integral with said bulb comprising a filament symmetrically disposed about and extending longitudinally of the normal vertical axis of said concave portion of said bulb and positioned substantially at the focus thereof in order to cause the majority of all radiant energy reflected by said reflecting surface to be reflected but once before being absorbed by the heat absorption end wall of said bulb and those radiations striking said reflecting surface whose angle of incidence is substantially 90° with respect thereto to be confined to a minimum.



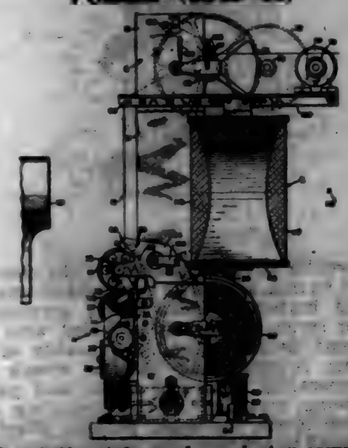
2,039,821

PAGE PROJECTOR FOR RECORDERS

James W. Lang, Plainfield, and Evan R. Wheeler, North Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application February 20, 1931, Serial No. 517,353

7 Claims. (Cl. 88—24)



1. A printing telegraph projector comprising a type printing mechanism, a transparent or translucent web, means for printing transversely of said web in successive lines, a projecting apparatus disposed above said printing mechanism and arranged to project light through said web and means for feeding said web so as to bring each line of printing in a single step directly from the printing position into the field of said projector.

2,039,822

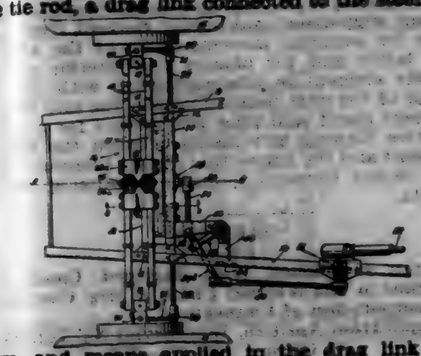
STEERING MECHANISM

Oscar F. Lundelius and Melvin N. Lofler, Los Angeles, Calif., assignors to Lundelius & Ecclesine Motors Corporation, Los Angeles, Calif., a corporation of Delaware

Application February 18, 1932, Serial No. 687,372

3 Claims. (Cl. 280—95)

1. In a vehicle having a frame including a pair of longitudinal side rails and a pair of dirigible wheels, a tie rod interconnecting said wheels, a horizontally swinging steering arm pivotally mounted on one of said side rails, a transversely extending rod connecting said steering arm with the tie rod, a drag link connected to the steering



arm, and means applied to the drag link for reciprocating it.

2,039,823

NITROANTHRAQUINONE-AZOLES

Paul Nawiasky, Ludwigshafen-on-the-Rhine, Berthold Stein, Mannheim, and Erich Berthold and Robert Zell, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application September 18, 1933, Serial No. 690,824. In Germany September 23, 1932

4 Claims. (Cl. 260—44)

3. Compounds of the group consisting of 1-nitroanthraquinone-azoles corresponding to the formula

in which X stands for a member of the group consisting of —O—, —S— and —NH— and C_1 and C_2 are members of an anthraquinone nucleus standing in ortho position to each other, and such aforementioned nitroanthraquinone-azoles wherein the anthraquinone nucleus is substituted by a substituent selected from the group consisting of halogen, and the hydroxy group.

2,039,824

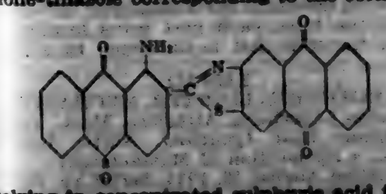
1-AMINO-2-ANTHRAQUINONYL-ANTHRAQUINONE-AZOLES

Paul Nawiasky, Ludwigshafen-on-the-Rhine, Berthold Stein, Mannheim, and Erich Berthold and Robert Zell, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application September 18, 1933, Serial No. 690,825. In Germany September 23, 1932

1 Claim. (Cl. 260—44)

1 - amino -2- anthraquinonyl-2',3'(S)-anthraquinone-thiazole corresponding to the formula



dissolving in concentrated sulphuric acid to give a yellow solution and dyeing cotton bluish red shades from a violet vat.

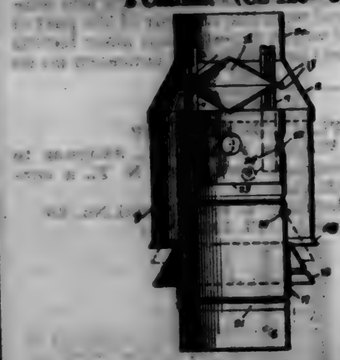
2,039,825

DRAFT CONTROL

George F. Pembroke, Los Angeles, Calif.

Application February 6, 1933, Serial No. 655,266

3 Claims. (Cl. 126—307)



1. In a device of the character described, a pair of axially alined upper and lower cylindrical flue sections having their opposed ends spaced apart, a jacket having a portion about and annularly spaced from the lower section and extending downwardly from the upper end thereof, and having another portion extending from the first mentioned portions of the lower end of the upper section, a transverse baffle in the space between the section ends, said baffle being in axial alinement with and of no greater diameter than the lower section and being supported with its marginal edge spaced from the opposed ends of the sections, the lower section and the lower end of the jacket defining an annular intake opening, and means for regulating the effective size of said opening, said means embodying a sleeve slidable on the lower section and having an upwardly converging conical flange underlying the annular space between the lower section and the jacket.

2,039,826

UNDERGARMENT

Henry Schoebel, Hempstead Gardens, Long Island, N. Y., assignor to Model Brassiere Co., Inc., Brooklyn, N. Y., a corporation of New York

Application February 9, 1925, Serial No. 5,711

3 Claims. (Cl. 2—36)



1. An undergarment having an elongated plate of a material of limited flexibility but of sufficient rigidity to maintain substantially its original shape and contour, said plate being of substantial

width and being secured to the undergarment in a portion thereof overlying the hypogastric region of the body of the wearer, said plate having a curved portion contiguous its lower extremity, the curvature of said portion being inward and substantially identical with the contour of the part of the body against which it rests, said plate having the upper portion thereof slightly concaved on its inner surface.

2,030,827

DISPLACEMENT PUMP

Roy E. Wight, Wichita Falls, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application January 2, 1935, Serial No. 2

8 Claims. (Cl. 103—234)



1. In a displacement pump an outer casing, a centrally disposed tube, a port located in said tube, a cylindrical chamber connected with said tube, a piston adapted to operate in said chamber, means controlled by the piston for controlling said port, an aperture in said control means giving access to the upper surface of the piston, means for maintaining a predetermined pressure on the lower surface of the piston and a check valve seated in the lower end of said control means.

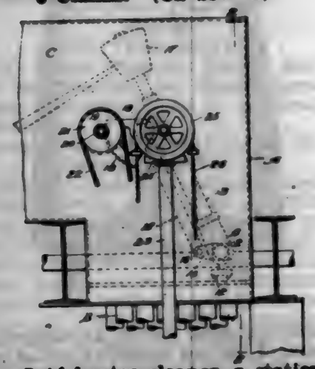
2,030,828

SWINGING SOOT BLOWER

Fred C. Arey, Oak Park, Ill., and De Les E. Hibner, Jr., Du Bois, Pa., assignors to Vulcan Soot Blower Corporation, a corporation of Pennsylvania

Application June 22, 1935, Serial No. 27,934

6 Claims. (Cl. 257—1)



1. In a fluid heater cleaner, a stationary pipe for supplying cleaning fluid, a tubular blower element spaced apart from and paralleling said pipe, means supporting said blower element from said pipe for swinging movements about the axis of the latter and for placing the interior of the blower element in communication with the interior of the pipe, means for swinging said blower element about said pipe, and means for causing relative turning movements between the blower element and the supporting means therefor while the blower element is making swinging movements.

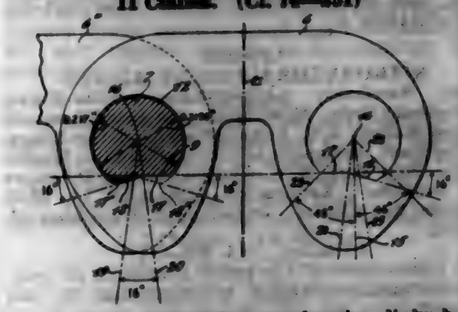
2,030,829

CHAIN

Warren J. Belcher, West Hartford, Conn., assignor to The Whitney Chain & Mfg. Company, a corporation of Connecticut

Application April 25, 1934, Serial No. 722,249

11 Claims. (Cl. 74—251)



1. A chain comprising overlapping links having aligned holes therein, said holes having walls of cylindrical form towards the back of the chain and with two abutments towards the front of the chain, said abutments making an angle with each other, a pin extending through said holes transversely of the length of the chain, said pin having a bearing surface of cylindrical form in sliding contact with, but of less circumferential extent than, the cylindrically shaped walls of said holes, whereby said links may turn on said pin, and abutments on said pin extending lengthwise of the chain and adapted to engage the abutments on the hole walls to limit said turning of the links on the pin.

2,030,830

SOOT BLOWING TUBE

De Les E. Hibner, Jr., Du Bois, Pa., assignor to Vulcan Soot Blower Corporation, a corporation of Pennsylvania

Application July 5, 1934, Serial No. 733,716

4 Claims. (Cl. 122—392)



1. A soot blowing tube or the like of steel alloy having oppositely-disposed longitudinal ribs and there being discharge ports extending through the wall of the tube, each port being located in a part of the wall that is thickened by a rib.

2,030,831

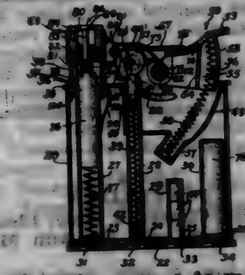
PYROPHORIC LIGHTER MECHANISM

Carl Julius Lagerheim, Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts

Application August 16, 1932, Serial No. 628,208

23 Claims. (Cl. 67—7.1)

4. In a lighter, a burner, a snuffer mounted over said burner, a latch holding a piece of fuel in said burner, connections between said snuffer and said latch to hold the latch out of engagement with the combustible material when the snuffer



is down, and spring means to move said latch into engagement with said combustible material when the snuffer is raised.

2,030,832

SYNTHETIC LUBRICATING OILS

Frederick H. MacLaren, Calumet City, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application December 1, 1932, Serial No. 643,249

9 Claims. (Cl. 87—9)

1. The method of making synthetic oils substantially free from resinous and pour point depressor materials which comprises condensing chlorinated hydrocarbon wax and about 5 to 25 parts of diphenyl in the presence of about 1 to 15 parts aluminum chloride per 100 parts of chlorinated wax.

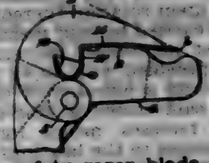
2,030,833

RAZOR BLADE

Ralph E. Thompson, Brookline, Mass., assignor to Emerson Apparatus Company, Melrose, Mass., a corporation of Rhode Island

Application August 19, 1932, Serial No. 629,451

3 Claims. (Cl. 30—92)



1. A flexible safety razor blade comprising a relatively thin metal body provided with a hardened and sharpened edge, said body having a groove extending along the margin thereof opposite to said edge, and the walls of said groove being resilient, whereby the resiliency of said walls may be utilized in anchoring the blades in its holder.

2,030,834

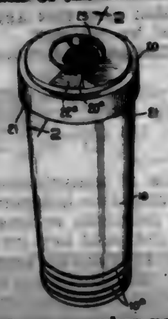
COCKTAIL SHAKER

Samuel Cominsky, Trenton, N. J., assignor to Efcolite Corporation, Trenton, N. J., a corporation of New York

Application May 4, 1934, Serial No. 723,826

5 Claims. (Cl. 215—83)

1. A shaker for cocktails and other liquid refreshments, comprising a shaker body of vitreous or other fragile material, said shaker body being provided with locking means adjacent its mouth, and closure means for the mouth of the shaker body, said closure means including a cap member of vitreous or other fragile material fitting within and around the top of said shaker body, said closure means further including a casing member displacingly enclosing said cap member, resilient means interposed between said cap member and said casing member and locking means carried by said closure means cooperating with said locking means of said shaker body, said locking means carried by said closure means including peripherally spaced elements respectively cooperating with said locking means of the shaker body and loose-



ly engaging said cap member peripherally and at its lower edge, whereby the cap member and its interposed resilient means are retained as a unit within the casing member of the closure means upon removal of the closure means from the shaker body.

2,030,835

PREPARATION OF ESTERS

Henry L. Cox, South Charleston, and Paul S. Greer, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application October 26, 1934, Serial No. 750,152

16 Claims. (Cl. 260—106)

1. The process of preparing organic esters which comprises reacting an unsubstituted lower dialkyl ether with an aliphatic lower monocarboxylic acid, in the presence of catalytic proportions of a strong non-volatile acid.

2,030,836

LOCK

George D. Full, Winnetka, and Joseph M. Muntner, Chicago, Ill., assignors to Dudley Lock Corporation, Chicago, Ill., a corporation of Illinois

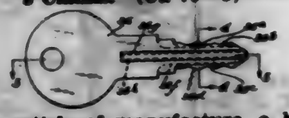
Application March 12, 1934, Serial No. 715,102

24 Claims. (Cl. 70—46)



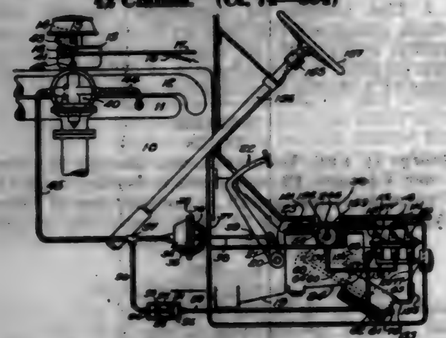
1. In a lock, the combination of a casing, a cylinder rotatable in the casing and provided with a longitudinally extending key slot, two sets of independent tumbler elements slidably mounted in said cylinder for normally locking it against rotation in the casing, the tumbler elements of the respective sets being arranged in pairs in the same transaxial planes at opposite sides of the key slot, and the alternate tumbler elements of the respective sets being provided with abutment surfaces facing in the same direction, the abutment surfaces of said alternate tumblers of each of the respective sets being engageable by independent cam surfaces formed on the same surface of the key, when it is inserted in the slot, for positively withdrawing said alternate tumblers from locking engagement with the casing.

2,030,237
LOCK KEY
George D. Full, Winnetka, and Joseph M. Muntner, Chicago, Ill., assignors to Dudley Lock Corporation, Chicago, Ill., a corporation of Illinois
Original application March 13, 1934, Serial No. 715,102. Divided and this application August 24, 1934, Serial No. 741,218
8 Claims. (Cl. 70—9)



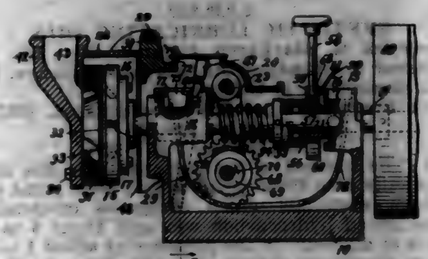
1. As an article of manufacture, a key for a cylinder lock having two independently operable sets of tumbler elements arranged on opposite sides of the key slot, said key including an operating portion of substantial length having two substantially flat side surfaces, and one edge of the operating portion of the key being formed with two longitudinally extending, unrelated cam surfaces transversely spaced apart by a longitudinally extending groove, said cam surfaces being shaped respectively for engagement with abutment surfaces of the corresponding sets of tumbler elements for shifting them from locking position.

2,030,238
GEAR SHIFTING MECHANISM FOR MOTOR VEHICLES
Edward G. Hill and Henry W. Hey, Richmond, Va., assignors to Automobile Shifters, Inc., Richmond, Va., a corporation of Virginia
Application April 11, 1935, Serial No. 15,904
42 Claims. (Cl. 74—334)



1. In combination with a motor vehicle including a clutch and a transmission provided with shifting means, a gear shifting assembly comprising power means operative for moving said shifting means selectively to a plurality of operative positions, control mechanism including a plurality of control devices for rendering said power means operative, fluid pressure means for selectively actuating said control devices, and means operative upon disengagement of the clutch for rendering said control mechanism operative.

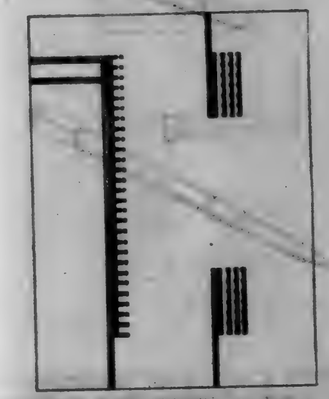
2,030,239
PULVERIZER
Franklin M. Iler, Cleveland, Ohio; Eleanor C. Iler administratrix of said Franklin M. Iler, deceased
Application June 8, 1932, Serial No. 615,545
8 Claims. (Cl. 83—16)



1. In a machine of the character described, the combination of a frame, a plurality of bosses formed integral with said frame, a shaft rotatably supported in said bosses, a pulverizing disc carried by said shaft, a member pivotally supported by said frame, means operatively connected to said shaft for oscillating said member about its pivotal support upon rotation thereof, a second pulverizing disc carried by said member cooperating with the first mentioned pulverizing disc, said frame being provided with an oil reservoir in the base thereof and a plurality of oil receiving recesses above said bosses, a tube connecting said oil receiving recesses, means for delivering oil from said recesses to the bearings for said shaft, a reciprocating pump for pumping oil from said reservoir into one of said oil receiving recesses, and means for operatively connecting said pump and said member whereby said pump is actuated by the oscillation of said member.

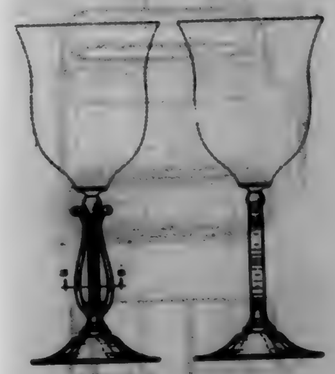
DESIGNS
FEBRUARY 11, 1936

98,489
DESIGN FOR A RUG
Alfons Bach, New York, N. Y., assignor to Bigelow Sanford Carpet Co., Inc., a corporation of Massachusetts
Application December 8, 1934, Serial No. 54,362
Term of patent 7 years



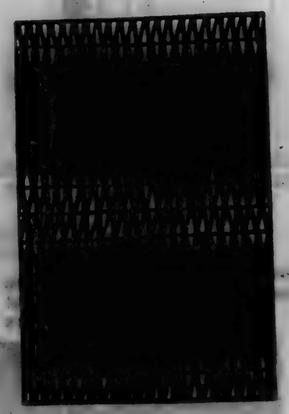
The ornamental design for a rug, substantially as shown and described.

98,490
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Arthur J. Bennett, Cambridge, Ohio
Application December 7, 1935, Serial No. 59,950
Term of patent 7 years



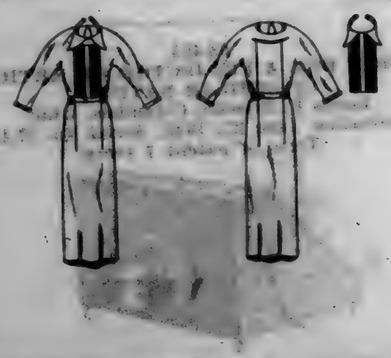
The ornamental design for a goblet or similar article, substantially as shown.

98,491
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC
George Bischof, New York, N. Y.
Application January 6, 1936, Serial No. 60,427
Term of patent 3½ years



The ornamental design for an embroidered textile fabric, substantially as shown.

98,492
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Claudia Block, New York, N. Y.
Application November 22, 1935, Serial No. 59,699
Term of patent 3½ years



The ornamental design for a dress or similar article substantially as shown and described.

98,493
DESIGN FOR A FOUNTAIN PEN
William Bewker, Newark, and Rene P. Piperoux, Radburn, N. J., assignors to Celluloid Corporation, a corporation of New Jersey
Application November 24, 1934, Serial No. 54,151
Term of patent 14 years



The ornamental design for a fountain pen, substantially as shown and described.

98,494
DESIGN FOR LACE
George D. Reynes, Philadelphia, Pa.
Application January 16, 1936, Serial No. 60,611
Term of patent 3½ years



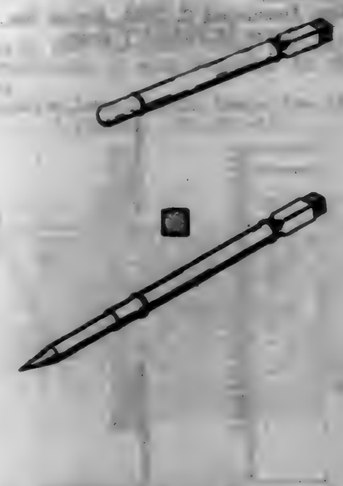
The ornamental design for lace, substantially as shown.

98,495
DESIGN FOR A PROJECTOR OR ARTICLE OF SIMILAR NATURE
James F. Brischo, Columbus, Ohio
Application June 27, 1935, Serial No. 57,435
Term of patent 7 years



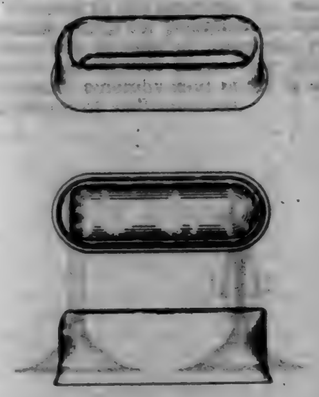
The ornamental design for a projector or article of similar nature, as shown and described.

98,496
DESIGN FOR A PENCIL
Edward J. Britton, St. Louis, Mo., assignor to St. Louis Pencil Company, St. Louis, Mo., a corporation of Missouri
Application July 16, 1935, Serial No. 57,672
Term of patent 7 years



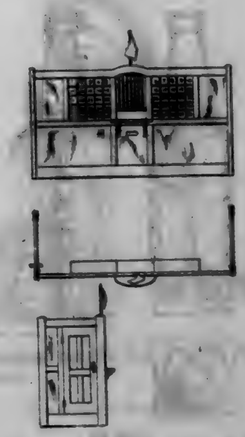
The ornamental design for a pencil substantially as shown.

98,497
DESIGN FOR A TREATMENT TUB
Charles R. Clarke, Cranston, R. I.
Application November 9, 1935, Serial No. 59,459
Term of patent 14 years



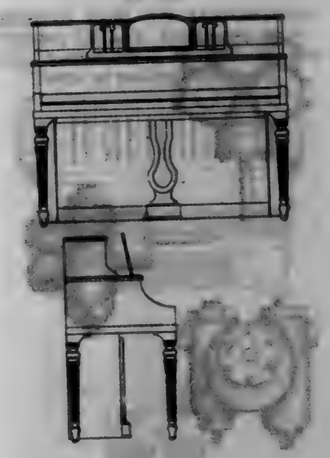
The ornamental design for a treatment tub substantially as shown.

98,498
DESIGN FOR A MINIATURE POST OFFICE BUILDING UNIT
Orley D. Clements, Elmwood, Nebr.
Application June 18, 1935, Serial No. 57,320
Term of patent 7 years



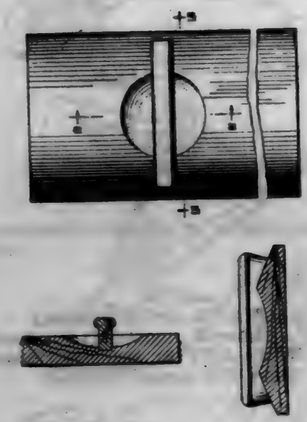
The ornamental design for a miniature post office building unit as shown.

98,499
DESIGN FOR A PIANO CASE
Wilbur M. Day, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application January 2, 1936, Serial No. 60,276
Term of patent 3½ years



The ornamental design for a piano case, as shown and described.

98,500
DESIGN FOR A COMBINED HANDLE AND FRONT DRAWER PANEL
Herman E. De Vries, New York, N. Y., assignor to H. T. Cushman Mfg. Co., North Bennington, Vt.
Application November 11, 1935, Serial No. 59,480
Term of patent 3½ years



The ornamental design for a combined handle and front drawer panel substantially as shown.

98,501
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application December 26, 1935, Serial No. 60,286
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

98,502
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application December 26, 1935, Serial No. 60,257
Term of patent 3½ years



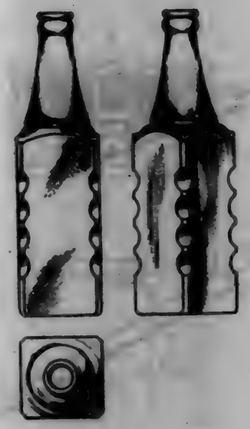
The ornamental design for a shoe or similar article, substantially as shown.

98,503
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application December 26, 1935, Serial No. 60,225
Term of patent 3½ years



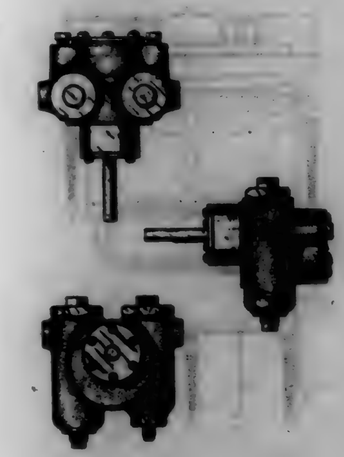
The ornamental design for a shoe or similar article, substantially as shown.

98,504
DESIGN FOR A KETCHUP BOTTLE
Harry Emsower, Harrington Park, N. J.
Application August 14, 1935, Serial No. 58,114
Term of patent 7 years



The ornamental design for a ketchup bottle, substantially as shown.

98,505
DESIGN FOR A FUEL SUPPLY UNIT FOR OIL BURNERS
Harrison E. Fellows, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Wisconsin
Application December 21, 1935, Serial No. 60,320
Term of patent 14 years



The ornamental design for a fuel supply unit for oil burners as shown.

98,506
DESIGN FOR A BOOK END
Edwin W. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application January 2, 1936, Serial No. 60,532
Term of patent 14 years



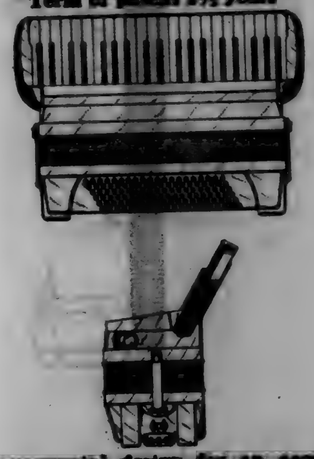
The ornamental design for a book end substantially as shown.

98,507
DESIGN FOR A BUCKLE
John B. Freysinger, New Britain, Conn.
Application November 22, 1935, Serial No. 59,761
Term of patent 3½ years



The ornamental design for a buckle as shown.

98,508
DESIGN FOR AN ACCORDION
Robert Galanti, Elmhurst, N. Y.
Application November 7, 1935, Serial No. 59,430
Term of patent 3½ years



The ornamental design for an accordion as shown.

98,509
DESIGN FOR A SHOE
Leon Goldberg, New York, N. Y.
Application December 26, 1935, Serial No. 60,282
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

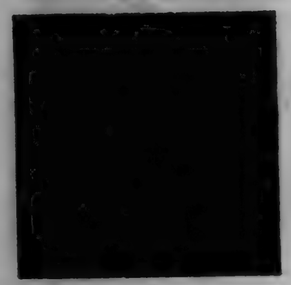
98,510
DESIGN FOR A SANDAL
Emanuel Grossman, Brooklyn, N. Y.
Application December 16, 1935, Serial No. 60,097
Term of patent 3½ years





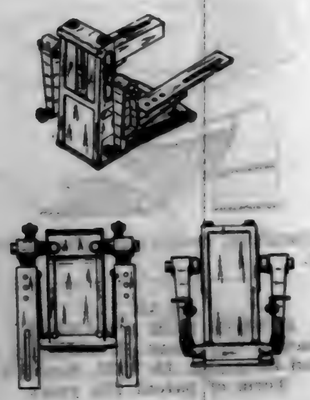
The ornamental design for a sandal, substantially as shown.

98,511
DESIGN FOR A TEXTILE FABRIC
August Hafner, Flushing, N. Y.
Application December 7, 1935, Serial No. 59,946
Term of patent 3½ years



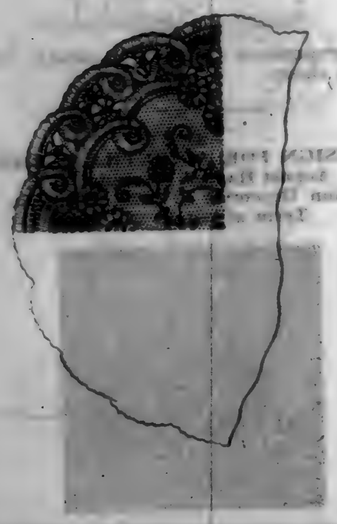
The ornamental design for a textile fabric, substantially as shown.

88,512
DESIGN FOR A MOUNTING FOR A PULLEY-CARRYING MOTOR
William D. Hamerstadt, Indianapolis, Ind., assignor to General Fibre Products, Incorporated, Indianapolis, Ind., a corporation of Indiana
Application September 9, 1935, Serial No. 58,480
Term of patent 14 years



The ornamental design for a mounting for a pulley-carrying motor, as shown.

88,513
DESIGN FOR A DOILY
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 28, 1936, Serial No. 60,698
Term of patent 14 years



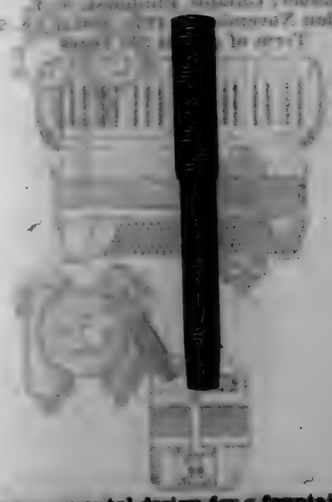
The ornamental design for a doily, substantially as shown and described.

88,514
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Lillian V. M. Helander, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application December 5, 1935, Serial No. 59,511
Term of patent 7 years



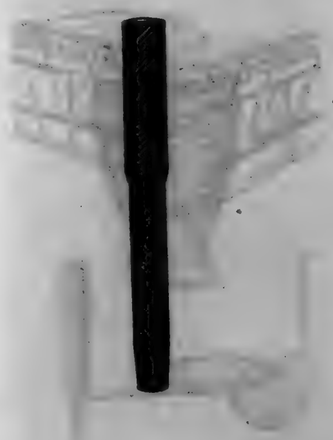
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

88,515
DESIGN FOR A FOUNTAIN PEN
John Hill, Hillside, N. J., assignor to Celluloid Corporation, a corporation of New Jersey
Application November 16, 1934, Serial No. 54,043
Term of patent 14 years



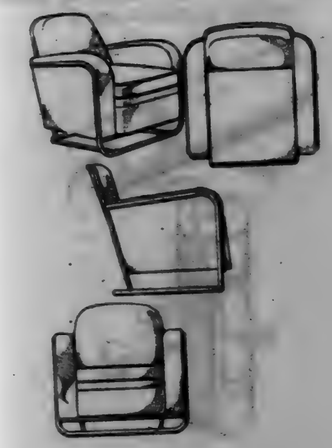
The ornamental design for a fountain pen, substantially as shown and described.

88,516
DESIGN FOR A FOUNTAIN PEN
John Hill, Hillside, N. J., assignor to Celluloid Corporation, a corporation of New Jersey
Application November 16, 1934, Serial No. 54,044
Term of patent 14 years



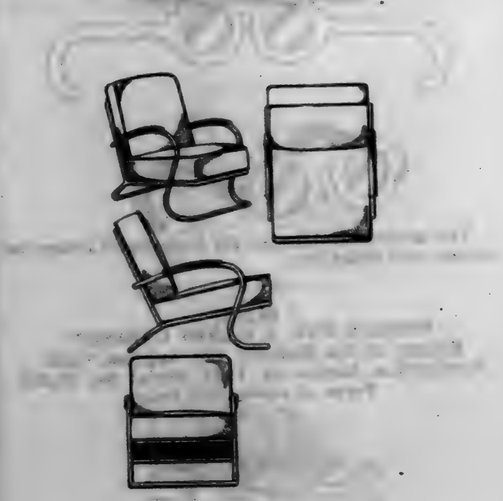
The ornamental design for a fountain pen, substantially as shown and described.

88,517
DESIGN FOR A LOUNGE CHAIR
Wolfgang Hoffmann, Batavia, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application December 24, 1935, Serial No. 60,263
Term of patent 3½ years



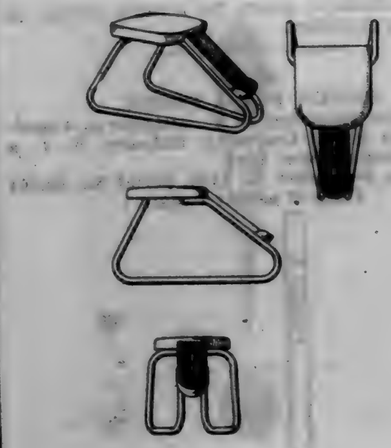
The ornamental design for a lounge chair, as shown.

88,518
DESIGN FOR A LOUNGE CHAIR
Wolfgang Hoffmann, Batavia, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application December 24, 1935, Serial No. 60,264
Term of patent 3½ years



The ornamental design for a lounge chair, as shown.

88,519
DESIGN FOR A FITTING STOOL
Wolfgang Hoffmann, Batavia, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application December 24, 1935, Serial No. 60,265
Term of patent 3½ years



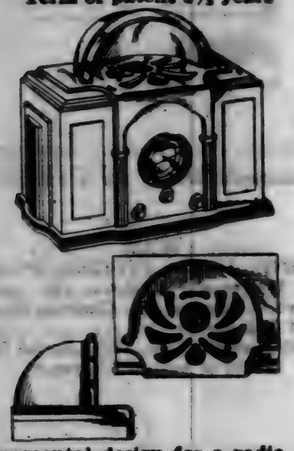
The ornamental design for a fitting stool, as shown.

98,520
DESIGN FOR A SPECTACLE FRAME
Alfred C. Houser, Highland Park, Ill., assignor to Rosenow Company, Chicago, Ill., a corporation of Illinois
Application November 23, 1934, Serial No. 54,190
Term of patent 7 years



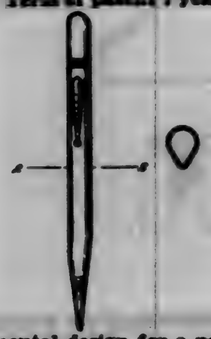
The ornamental design for a spectacle frame, as shown and described.

98,521
DESIGN FOR A RADIO CABINET
Robert Childs Hulbert, Los Angeles, Calif.
Application August 10, 1935, Serial No. 53,069
Term of patent 3½ years



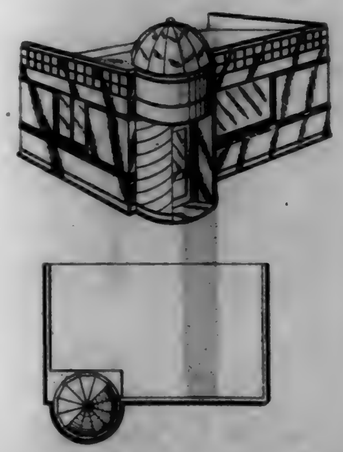
The ornamental design for a radio cabinet as shown and described.

98,522
DESIGN FOR A PENCIL
David Jucius, Brooklyn, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J., a corporation of New York
Application December 16, 1935, Serial No. 60,101
Term of patent 7 years



The ornamental design for a pencil, as shown.

98,523
DESIGN FOR A RESTAURANT BUILDING
Louis F. Kerlsbergue, Columbus, Ohio, assignor to P. A. Colgosta, Columbus, Ohio
Application December 12, 1935, Serial No. 60,035
Term of patent 14 years



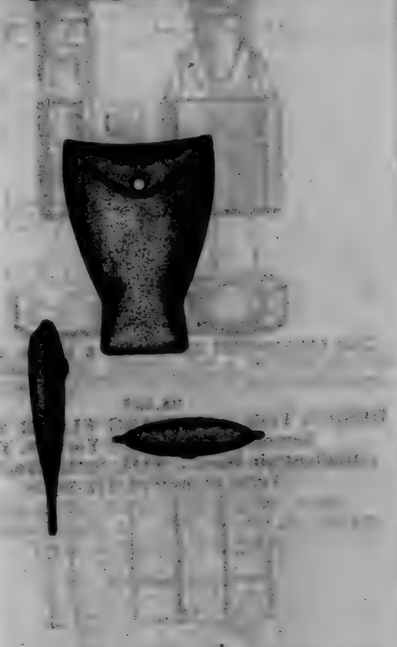
The ornamental design for a restaurant building, as shown and described.

98,524
DESIGN FOR A FREEZING DEVICE FOR EDIBLES
Fred H. Kaap and Floyd H. Kinyoun, Omaha, Nebr.
Application April 19, 1935, Serial No. 56,472
Term of patent 14 years



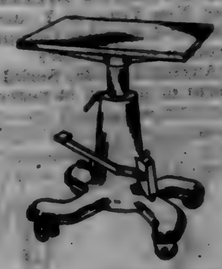
The ornamental design for a freezing device for edibles, substantially as shown.

98,525
DESIGN FOR A TOBACCO POUCH
Walter P. Koeller, Chicago, Ill., assignor to Press-To-Fill Products Company, Chicago, Ill., a corporation of Illinois
Application October 28, 1934, Serial No. 52,781
Term of patent 7 years



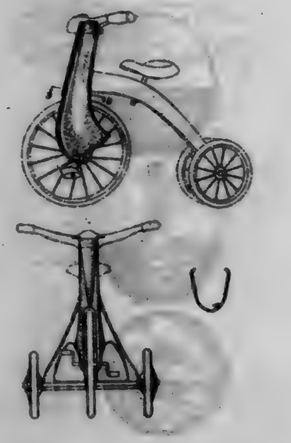
The ornamental design for a tobacco pouch as shown.

98,526
DESIGN FOR A TABLE
Oscar A. Koegler, Dayton, Ohio, assignor to The Midwest Tool & Engineering Company, Dayton, Ohio, a corporation of Ohio
Application November 20, 1935, Serial No. 59,818
Term of patent 7 years



The ornamental design for a table, as shown.

98,527
DESIGN FOR A VELOCIPEDE
Herman L. Kraeft, Cleveland Heights, Ohio, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 23, 1935, Serial No. 60,243
Term of patent 7 years



The ornamental design for a velocipede, substantially as shown and described.

98,528
DESIGN FOR A CHRISTMAS TREE ORNAMENT
Philip Kranz and Albert P. Schmid, Philadelphia, Pa., assignors to Bernard Wilmsen, Philadelphia, Pa.
Application January 3, 1936, Serial No. 60,405
Term of patent 14 years



The ornamental design for a christmas tree ornament, as shown.

88,529
DESIGN FOR A CHRISTMAS TREE ORNAMENT
Philip Kram and Albert P. Schmid, Philadelphia, Pa., assignors to Bernard Wilmsen, Philadelphia, Pa.
Application January 2, 1936, Serial No. 60,466
Term of patent 14 years



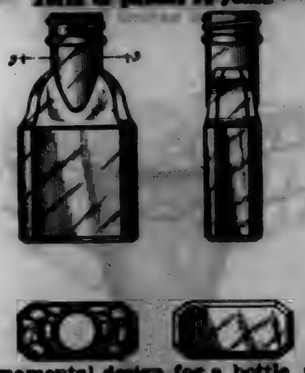
The ornamental design for a Christmas tree ornament, as shown.

88,530
DESIGN FOR A TEXTILE FABRIC
William A. Landry, White Plains, N. Y., assignor to Deering Millikan & Co. Incorporated, Manhattan, N. Y.
Application December 6, 1935, Serial No. 59,933
Term of patent 3½ years



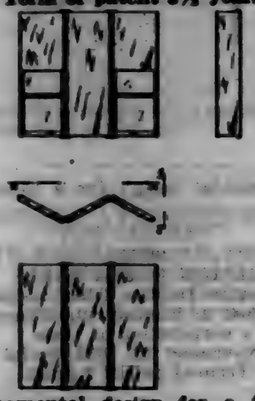
The ornamental design for a textile fabric substantially as shown.

88,531
DESIGN FOR A BOTTLE
Walter R. Leach, Baltimore, Md., assignor to Cary-Lowrey Glass Co., Baltimore, Md.
Application December 19, 1935, Serial No. 60,181
Term of patent 14 years



The ornamental design for a bottle, as shown.

88,532
DESIGN FOR A FOLDING FLOOR SCREEN
Semon S. Lewis, New York, N. Y.
Application June 1, 1935, Serial No. 57,090
Term of patent 3½ years



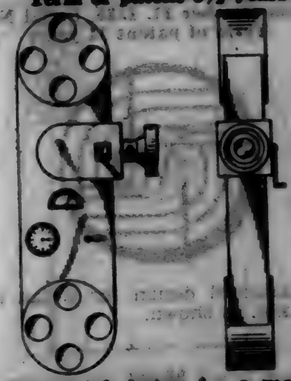
The ornamental design for a folding floor screen as shown.

88,533
DESIGN FOR A POCKET BILLIARD TABLE
William Leecase, New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application August 1, 1935, Serial No. 57,898
Term of patent 14 years



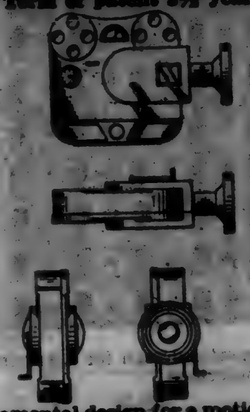
The ornamental design for a pocket billiard table as shown and described.

88,534
DESIGN FOR A MOTION PICTURE FILM VIEWING MACHINE
Walter J. Lambkowy, Los Angeles, Calif.
Application April 19, 1935, Serial No. 56,464
Term of patent 3½ years



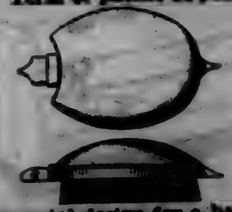
The ornamental design for a motion picture film viewing machine, as shown and described.

88,535
DESIGN FOR A MOTION PICTURE FILM VIEWING MACHINE
Walter J. Lambkowy, Los Angeles, Calif.
Application April 19, 1935, Serial No. 56,465
Term of patent 3½ years



The ornamental design for a motion picture film viewing machine, as shown and described.

88,536
DESIGN FOR A HAND BRUSH
Elizabeth M. Maher, New York, N. Y., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
Application December 23, 1935, Serial No. 60,316
Term of patent 14 years



The ornamental design for a hand brush, substantially as shown.

88,537
DESIGN FOR A SHOE
Joseph Massell, New York, N. Y.
Application December 16, 1935, Serial No. 60,154
Term of patent 3½ years



The ornamental design for a shoe as shown.

88,538
DESIGN FOR A DRESS
Delmar Meyer Mayeshoff, Norwalk, Conn.
Application December 14, 1935, Serial No. 60,074
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

98,539
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Will Cameron McCartney, Cambridge, Ohio.
Application December 16, 1935, Serial No. 60,094
Term of patent 7 years



The ornamental design for a goblet or similar article, substantially as shown.

98,540
DESIGN FOR A HANGER OR SIMILAR ARTICLE
Bernard Meyer, New York, N. Y.
Application January 2, 1936, Serial No. 60,385
Term of patent 3½ years



The ornamental design for a hanger or similar article as shown.

98,541
DESIGN FOR A FAN GUARD OR SIMILAR ARTICLE
Carl E. Meyerhoefer, New York, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application October 17, 1935, Serial No. 59,091
Term of patent 14 years



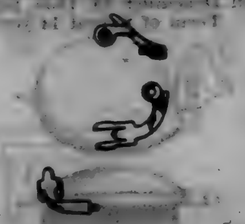
The ornamental design for a fan guard or similar article, as shown.

98,542
DESIGN FOR A KNITTED FABRIC
Jack Mizell, Brooklyn, N. Y.
Application December 21, 1935, Serial No. 60,215
Term of patent 3½ years



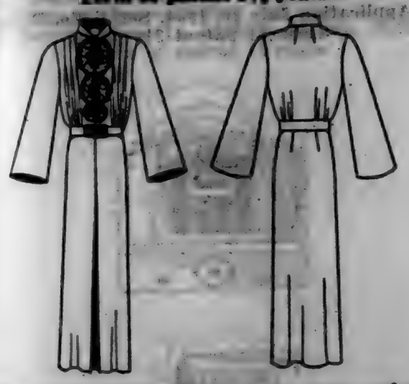
The ornamental design for a knitted fabric, as shown and described.

98,543
DESIGN FOR AN ENDPIECE FOR AN OPHTHALMIC MOUNTING
George E. Nersey, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application September 28, 1935, Serial No. 59,154
Term of patent 14 years



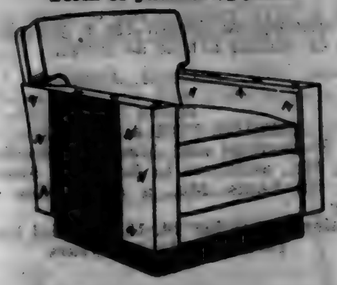
The ornamental design for an endpiece for an ophthalmic mounting as shown.

98,544
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application January 6, 1936, Serial No. 60,529
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

98,545
DESIGN FOR A CHAIR
Marshall C. Pumphrey, Los Angeles, Calif., assignor to Barker Bros. Incorporated, Los Angeles, Calif.
Application November 11, 1935, Serial No. 59,498
Term of patent 3½ years



The ornamental design for a chair as shown and described.

98,546
DESIGN FOR A SOFA OR SIMILAR ARTICLE
Marshall C. Pumphrey, Los Angeles, Calif., assignor to Barker Bros. Incorporated, Los Angeles, Calif.
Application November 26, 1935, Serial No. 59,774
Term of patent 3½ years



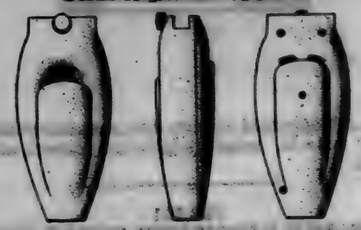
The ornamental design for a sofa or similar article as shown and described.

98,547
DESIGN FOR A BUCKLE
Solomon Putnam, Newark, N. J.
Application December 28, 1935, Serial No. 60,186
Term of patent 3½ years



The ornamental design for a buckle as shown.

98,548
DESIGN FOR A HANDLE FOR DRY SHAVERS
Jacob Schink, Stamford, Conn.
Application November 29, 1935, Serial No. 59,782
Term of patent 3½ years



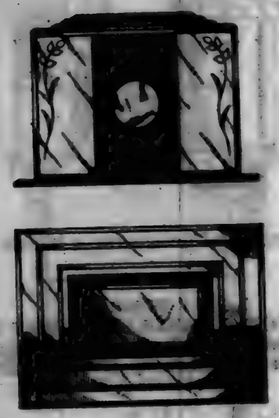
The ornamental design for a handle for dry shavers, as shown.

98,549
DESIGN FOR A MIRROR FLORAL DISPLAY DEVICE
Ruth C. Sharp, Islip, N. Y.
Application October 25, 1935, Serial No. 59,210
Term of patent 3½ years



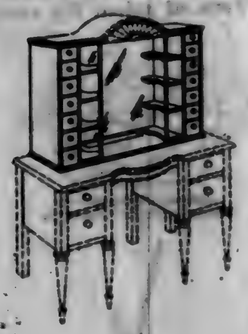
The ornamental design for a mirror floral display device, as shown.

96,539
DESIGN FOR A RADIO CABINET OR SIMILAR ARTICLE
Raymond Silverstein, Chicago, Ill., assignor of one-third to Harold Rosen and one-third to Joe Herwich, both of Chicago, Ill.
Application January 2, 1936, Serial No. 60,575
Term of patent 3½ years



The ornamental design for a radio cabinet or similar article, substantially as shown and described.

96,551
DESIGN FOR A COMBINED TOILET CABINET AND BUREAU OR THE LIKE
Irving H. Stern, Boston, Mass.
Application February 21, 1935, Serial No. 55,547
Term of patent 7 years



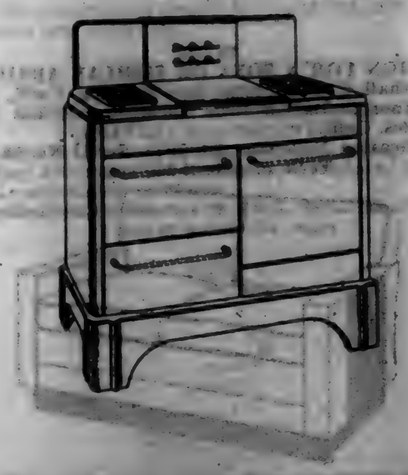
The ornamental design for a combined toilet cabinet and bureau or the like, as shown and described.

96,552
DESIGN FOR A PORTABLE RADIO CABINET OR SIMILAR ARTICLE
Raymond Franklin Stewart, South Pasadena, Calif.
Application July 20, 1934, Serial No. 33,647
Term of patent 3½ years



The ornamental design for a portable radio cabinet or similar article as shown.

96,553
DESIGN FOR A RANGE
Arthur Stockstrom and Almer H. Brodbeck, St. Louis, Mo., assignors to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application November 14, 1935, Serial No. 50,574
Term of patent 14 years



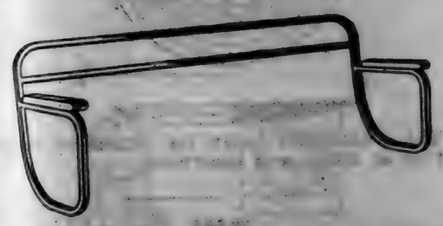
The ornamental design for a range, substantially as shown and described.

96,554
DESIGN FOR A CASING FOR FLEXIBLE MEASURING RULES
Austin L. Stowell, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application June 14, 1935, Serial No. 57,269
Term of patent 14 years



The ornamental design for a casing for flexible measuring rules, as shown.

96,555
DESIGN FOR A BACK REST FOR A STUDIO COUCH OR SIMILAR ARTICLE OF FURNITURE
Charles A. Stuart, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a corporation of Delaware
Application November 29, 1935, Serial No. 50,816
Term of patent 14 years



The ornamental design for a back rest for a studio couch or similar article of furniture, substantially as shown.

96,556
DESIGN FOR A PULL TAB FOR SLIDE FASTENERS
Alex Walker, New York, N. Y.
Application August 12, 1935, Serial No. 52,995
Term of patent 3½ years



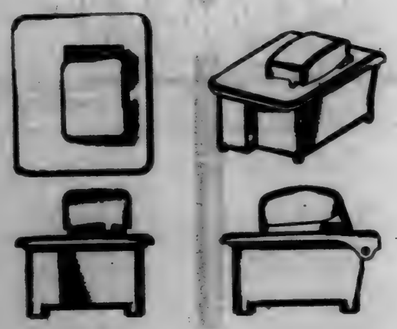
The ornamental design for a pull tab for slide fasteners as shown and described.

96,557
DESIGN FOR A SHOE
William Weidmer, New York, N. Y., assignor to The G. Edwin Smith Shoe Company, Columbus, Ohio, a corporation of Ohio
Application March 26, 1935, Serial No. 56,859
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

96,558
DESIGN FOR A SEWING MACHINE CASING
John P. Weis, Nyack, N. Y.
Application December 14, 1935, Serial No. 60,662
Term of patent 14 years



The ornamental design for a sewing machine casing substantially as shown.

98,559
DESIGN FOR A WATER HEATER CABINET
Ellis H. Wilkinson, Pottstown, Pa.
Application June 22, 1935, Serial No. 57,451
Term of patent 14 years



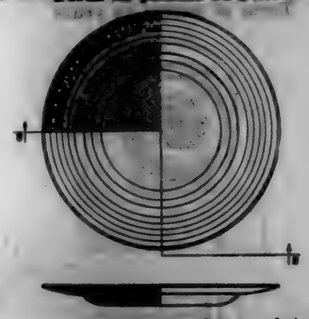
The ornamental design for a water heater cabinet, substantially as shown.

98,560
DESIGN FOR A FOUNTAIN PEN OR SIMILAR ARTICLE
Arthur Winter, Weehawken, N. J.
Application December 31, 1935, Serial No. 60,370
Term of patent 14 years



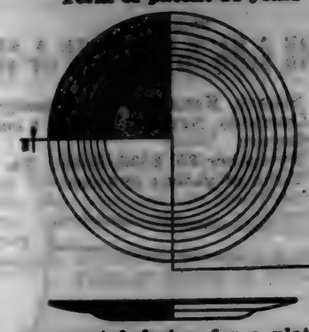
The ornamental design for a fountain pen or similar article as shown and described.

98,561
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Harry Francis Wood, Jr., Burslem, England, assignor to Continental Ceramics Corporation, New York, N. Y., a corporation of New York
Application May 4, 1935, Serial No. 56,699
Term of patent 14 years



The ornamental design for a plate or similar article as shown and described.

98,562
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Harry Francis Wood, Jr., Burslem, England, assignor to Continental Ceramics Corporation, New York, N. Y., a corporation of New York
Application May 4, 1935, Serial No. 56,700
Term of patent 14 years



The ornamental design for a plate or similar article as shown and described.

98,563
DESIGN FOR A COMBINATION ASH TRAY, CIGARETTE HOLDER, AND SMOKER
George E. Wymer, Dayton, Ohio
Application November 8, 1935, Serial No. 59,453
Term of patent 3½ years



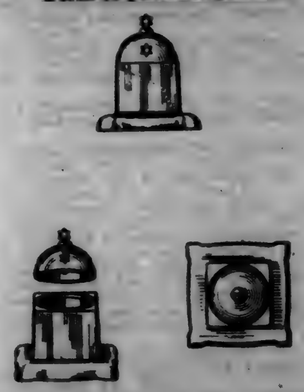
The ornamental design for a combination ash tray, cigarette holder and smoker, as shown.

98,564
DESIGN FOR A CANDLELIGHT OR SIMILAR ARTICLE
Joseph Zeitlin, New York, N. Y.
Application May 17, 1935, Serial No. 56,878
Term of patent 7 years



The ornamental design for a candlelight or similar article, as shown.

98,565
DESIGN FOR A CANDLELIGHT OR SIMILAR ARTICLE
Joseph Zeitlin, New York, N. Y.
Application May 17, 1935, Serial No. 56,879
Term of patent 7 years



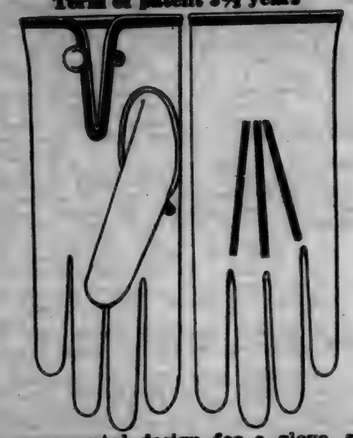
The ornamental design for a candlelight or similar article, as shown.

98,566
DESIGN FOR A SWEATER OR SIMILAR ARTICLE
Leo B. Helfgott, Brightwaters, N. Y.
Application November 26, 1935, Serial No. 59,765
Term of patent 14 years

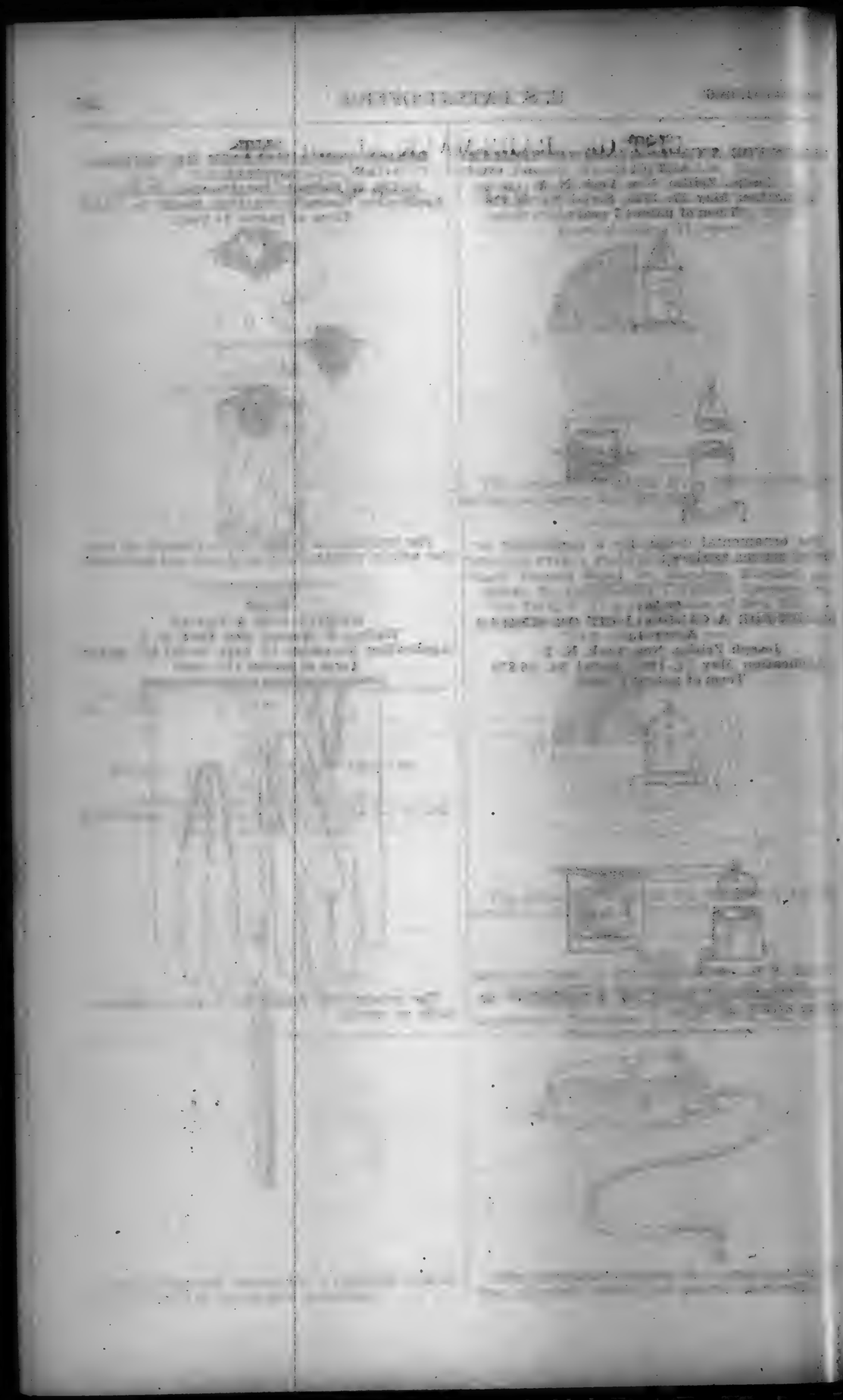


The ornamental design for a sweater or similar article, substantially as shown and described.

98,567
DESIGN FOR A GLOVE
Wallace E. Meyers, New York, N. Y.
Application November 12, 1935, Serial No. 59,517
Term of patent 3½ years



The ornamental design for a glove, substantially as shown.



LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Pharmaceutical product. Serial No. 372,306; Feb. 11. Class 6.

Adelta Stove & Mfg. Co. (See Corbman, Abe.)

Agoos Leather Companies, Inc., Boston, Mass. Leather. Serial No. 372,539; Feb. 11. Class 1.

Altmark, Milton S., New York, N. Y. Dresses for women. Serial No. 369,767; Feb. 11. Class 39.

American Gypsum Company, The, Port Clinton, Ohio. Insecticides. Serial No. 372,767; Feb. 11. Class 6.

Arabol Manufacturing Company, The, New York, N. Y. Glue. Serial No. 371,129; Feb. 11. Class 5.

Art-Tex Distributing Company, New York, N. Y. Underwear, hosiery, bathing suits, etc. Serial No. 370,075; Feb. 11. Class 39.

Ash-Mo Manufacturing Company. (See Plough, Inc.)

Associated Anaheim Growers, Anaheim, Calif. Fresh citrus fruit. Serial Nos. 372,945-7; Feb. 11. Class 46.

Atlantic Macaroni Co., Inc., The, Long Island City, N. Y. Macaroni. Serial No. 372,128; Feb. 11. Class 46.

Atlantic Macaroni Co., Inc., The, Long Island City, N. Y. Alimentary paste products. Serial No. 372,129; Feb. 11. Class 46.

Bair, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. Serial No. 372,505; Feb. 11. Class 42.

Black, R. H., & Sons, Pine City, N. Y. Prepared pancake flour. Serial No. 372,716; Feb. 11. Class 46.

Blanchard, William F., South Orange, N. J. Skis, skiedges, snow-shoes, etc. Serial No. 370,182; Feb. 11. Class 22.

Borden, Arthur H., North Dartmouth, Mass. Ice cream. Serial No. 369,121; Feb. 11. Class 46.

Bostonia Beverages, Inc., Natick, Mass. Maltless beverages, and syrups, extracts, and flavors used in same. Serial No. 373,162; Feb. 11. Class 45.

Bradshaw, William E., New York, N. Y. Raincoats and coats made of fabrics. Serial No. 372,083; Feb. 11. Class 39.

Brooks, Ltd., San Francisco, Calif. Toasted bread. Serial No. 371,200; Feb. 11. Class 46.

Bubla, Joseph P., New York, N. Y. Shirts, hosiery, and underwear. Serial No. 372,542; Feb. 11. Class 39.

Burn, Robert, doing business as Bob Burns, Hollywood, Calif. Trumpets and trombones. Serial No. 372,042; Feb. 11. Class 26.

Bye-Lo Milk Company. (See Clewe, Ernest.)

Capital City Products Company, The, Columbus, Ohio. Vegetable shortening. Serial No. 372,545; Feb. 11. Class 46.

Capital City Products Company, The, Columbus, Ohio. Vegetable shortening. Serial No. 372,547; Feb. 11. Class 46.

Carey-McFall Co., Philadelphia, Pa. Venetian blinds. Serial No. 371,849; Feb. 11. Class 32.

Central Laboratories, Inc., St. Petersburg, Fla. Astringent. Serial No. 366,186; Feb. 11. Class 6.

Central Paper Company, Muskegon, Mich. Paper and envelopes. Serial No. 366,314; Feb. 11. Class 37.

Chatterbox Products Company. (See Marks, Lou F.)

Circulation Publishing Company, Chicago, Ill. Periodical publication. Serial No. 366,936; Feb. 11. Class 38.

Cleveland Cloth Mills, Inc., Shelby, N. C. Textile fabrics. Serial Nos. 372,508-9; Feb. 11. Class 42.

Clewe, Ernest, doing business as Bye-Lo Milk Company, Oakland, Calif. Liquid baby food. Serial No. 370,940; Feb. 11. Class 46.

Collyrium Incorporated, Woodmere, N. Y. Effervescent salts, tooth powders, pasted, and washes, etc. Serial No. 371,862; Feb. 11. Class 6.

Colorado Potato Growers Exchange, Denver, Colo. Raw, dried, and cured table onions. Serial No. 372,960; Feb. 11. Class 46.

Columbia Plush & Puff Co., Inc., Brooklyn, N. Y. Powder puffs. Serial No. 372,046; Feb. 11. Class 29.

Commonwealth Publishing Company, Chicago, Ill. Weekly income record blank books. Serial No. 369,805; Feb. 11. Class 37.

Cone Export and Commission Company, New York, N. Y. Trousers, knickerbockers, outer shirts, etc. Serial No. 371,912; Feb. 11. Class 39.

Congoleum-Nairn Inc., Kearny, N. J. Linoleum and felt base rugs and floor coverings. Serial No. 373,338; Feb. 11. Class 20.

Consolidated Chemical Works. (See Paull, Seymour.)

Corbman, Abe, doing business as Adelta Stove & Mfg. Co., Philadelphia, Pa. Furnaces. Serial No. 372,512; Feb. 11. Class 34.

Crawford, McGregor and Canby Company, The, Dayton, Ohio. Golf clubs. Serial No. 372,365; Feb. 11. Class 22.

Crompton Company, West Warwick, R. I. Corduroys and velveteens in the piece. Serial No. 371,880; Feb. 11. Class 42.

Cummings, James H., doing business as The Drew Pharmacal Co., Buffalo, N. Y. Preparation containing cholagogue and digestive ferments. Serial No. 373,167; Feb. 11. Class 6.

Curtis, David, doing business as Da-Ce Products Co. of New York, New York, N. Y. Anaesthetic product. Serial No. 372,469; Feb. 11. Class 6.

Curtis Publishing Company, The, Philadelphia, Pa. Section of an agricultural journal. Serial No. 371,342; Feb. 11. Class 38.

Dearborn Petroleum Company, Cleveland, Ohio. Lubricating oil. Serial No. 371,656; Feb. 11. Class 15.

Da-Ce Products Co. of New York. (See Curtis, David.)

Detroit Tomato & Produce Company, Detroit, Mich. Diced fresh vegetables. Serial No. 370,214; Feb. 11. Class 46.

Dewey and Almy Chemical Company, Cambridge, Mass. Chemicals used as dispersing agents. Serial No. 372,289; Feb. 11. Class 6.

Dill Manufacturing Company, The, Cleveland, Ohio. Hair waving machines, hair waving appliances and hair waving supplies. Serial No. 363,493; Feb. 11. Class 44.

Dix, Henry A., & Sons Corporation, doing business as Women's Uniforms, Inc., New York, N. Y. Ladies' dresses, and misses' and waitresses' uniforms. Serial No. 370,502; Feb. 11. Class 39.

Dermoseal Laboratory. (See Lange, Wm. A.)

Drew Pharmacal Co., The. (See Cummings, James H.)

Dumari Textile Co., Inc., New York, N. Y. Goods in the piece. Serial Nos. 369,805-6; Feb. 11. Class 42.

Duro Metal Products Company, Chicago, Ill. Wrenches. Serial No. 369,127; Feb. 11. Class 23.

Eastman Kodak Company, Rochester, N. Y. Paper and stationery. Serial No. 371,627; Feb. 11. Class 37.

Eastyarn, Inc., Brooklyn, N. Y. Yarns. Serial No. 372,205; Feb. 11. Class 43.

Elkhart Lake Canning Company, Elkhart Lake, Wis. Canned peas. Serial No. 371,421; Feb. 11. Class 46.

Fairbanks-Morse Home Appliances, Inc., Chicago, Ill. Washing machines. Serial No. 372,492; Feb. 11. Class 24.

Faust-Booth Paint Company, St. Louis, Mo. Paints and paint enamels. Serial Nos. 372,504-5; Feb. 11. Class 16.

Fels & Company, Philadelphia, Pa. Soap. Serial No. 372,329; Feb. 11. Class 4.

Fernández, Manuel, y Compañía S. L., Jerez de la Frontera, Spain. Wines. Serial No. 360,892; Feb. 11. Class 47.

Ford Manufacturing, Inc., Boston, Mass. Ladies' underwear. Serial No. 372,558; Feb. 11. Class 39.

Fort Massac Chair Company, The, Metropolis, Ill. Chairs. Serial No. 371,731; Feb. 11. Class 32.

Forty Second Street Sales Co., Chicago, Ill. Soaps, shaving soap and shaving creams. Serial No. 371,886; Feb. 11. Class 4.

Freeser, J., & Son, Inc., New York, N. Y. Men's shirts. Serial No. 372,560; Feb. 11. Class 39.

French Sardine Co., Inc., Terminal Island, Calif. Canned sardines. Serial No. 371,467; Feb. 11. Class 46.

Fuller Fabrics, Corp., New York, N. Y. Cotton piece goods. Serial No. 372,856; Feb. 11. Class 42.

General Dyestuff Corporation, New York, N. Y. Fur dyes. Serial No. 372,766; Feb. 11. Class 6.

General Electric Company, Schenectady, N. Y. Ash trays and cigarette cases. Serial No. 372,359; Feb. 11. Class 8.

General Office Supply Company, Newark, N. J. Carbon paper and typewriter ribbons. Serial No. 370,238; Feb. 11. Class 11.

Gloria Company, The. (See Orsa, Alfonso.)

Goda, George, Washington, D. C. Cosmetics—namely, face cream. Serial No. 372,322; Feb. 11. Class 6.

Hanson-Van Winkle-Munning Company, Matawan, N. J. Electroplating bath ingredients. Serial No. 372,248; Feb. 11. Class 6.

Hastings & Company, Philadelphia, Pa. Gold leaf, silver leaf, and palladium leaf. Serial No. 366,282; Feb. 11. Class 14.

Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Fish rods and reels, artificial bait, fish lines, etc. Serial No. 372,838; Feb. 11. Class 22.

International Cellucotton Products Company, Chicago, Ill. Absorbent face cleansing sheets of paper. Serial No. 372,418; Feb. 11. Class 37.

International Nut and Novelty Company, Baltimore, Md. Nuts, salted and unsalted, roasted peanuts, cashews, etc. Serial No. 372,013; Feb. 11. Class 46.

Jacobson, James H., doing business as The J-Bar Company, Chicago, Ill. Dowels and devices used in concrete highway and similar constructions. Serial No. 366,942; Feb. 11. Class 12.

James, Charles C., New York, N. Y. Preparation for making a chocolate food drink. Serial No. 371,082; Feb. 11. Class 46.

J-Bar Company, The. (See Jacobson, James H.)

Jewel Paint and Varnish Co., Chicago, Ill. Paint and/or varnish remover. Serial No. 372,602; Feb. 11. Class 16.

Jones, Howard E., & Company, doing business as King Foods Company, Baltimore, Md. Canned green peas. Serial No. 372,989; Feb. 11. Class 46.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Jordeau, Jean, Inc., South Orange, N. J. Deodorants. Serial No. 361,752; Feb. 11. Class 6.
Kellogg Company, Battle Creek, Mich. Cereal breakfast foods. Serial No. 371,596; Feb. 11. Class 46.
Kendall Company, The, Walpole, Mass. Dusting and polishing cloths. Serial No. 372,626; Feb. 11. Class 29.
Kendall Company, The, Walpole, Mass. Cotton dress fabrics. Serial No. 372,627; Feb. 11. Class 42.
Kensington, Incorporated, New Kensington, Pa. Ornamental bowls, dishes, jars, etc. Serial No. 357,862; Feb. 11. Class 2.
Kensington, Incorporated, New Kensington, Pa. Base metal match containers. Serial No. 370,812; Feb. 11. Class 2.
King Foods Company. (See Jones, Howard E., & Company.)
Kohnstamm, H., & Co. Inc., New York, N. Y. Extracts and flavors for making maltless beverages. Serial No. 373,218; Feb. 11. Class 45.
Lancaster Inc., Los Angeles, Calif. Vitamin concentrate to be added to food. Serial No. 367,721; Feb. 11. Class 46.
Lange, Wm. A., doing business as Dormoseed Laboratory, New York, N. Y. Sedative, hypnotic preparation. Serial No. 372,206; Feb. 11. Class 6.
Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Wheat flour. Serial No. 372,249; Feb. 11. Class 46.
Lax, James J., New York, N. Y. Cleansers and soap powders. Serial No. 372,372; Feb. 11. Class 4.
Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Overcoats. Serial No. 372,376; Feb. 11. Class 39.
Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's overcoats. Serial No. 372,881; Feb. 11. Class 39.
Lewis, Nat, Purses, Inc., New York, N. Y. Purses. Serial No. 371,699; Feb. 11. Class 3.
Lobl Manufacturing Co. The, Middlebero, Mass. Electric heating pad. Serial Nos. 372,725–6; Feb. 11. Class 44.
Loewith, Julius, Inc., New York, N. Y. Uncolored (natural) raffia and colored raffia. Serial No. 372,519; Feb. 11. Class 1.
Logan-Robinson Fertiliser Co., Charleston, S. C. Complete fertilisers and fertiliser materials. Serial No. 360,796; Feb. 11. Class 10.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 372,723; Feb. 11. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Flour preparation for stabilising high sugar content in cakes and cookies. Serial No. 372,724; Feb. 11. Class 46.
Marks, Lou F., doing business as Chatterbox Products Company, Pittsburgh, Pa. Astringents, skin tonerm, texture creams, etc. Serial No. 370,717; Feb. 11. Class 6.
McMillan Bros., La Conner, Wash. Canned peas. Serial No. 372,783; Feb. 11. Class 46.
Morrison, Albert R., Pueblo, Colo. Furniture and automobile polish. Serial No. 370,235; Feb. 11. Class 16.
Morvay and Sons, Inc., Bridgeton, N. J. Women's pajamas, dresses, slips, etc. Serial No. 371,170; Feb. 11. Class 39.
Mosso, Camillo R., New York, N. Y. Medicinal preparation. Serial No. 372,481; Feb. 11. Class 6.
Multi-Hydromatic Welding & Mfg. Co., Detroit, Mich. Electrical welding apparatus. Serial No. 372,177; Feb. 11. Class 21.
Muncie Gear Works, Inc., Muncie, Ind. Outboard motors. Serial No. 372,252; Feb. 11. Class 28.
Musgrave Pencil Co., Inc., Shelbyville, Tenn. Pencils. Serial No. 370,564; Feb. 11. Class 37.
National Gas & Oil Sales Co., Chicago, Ill. Lubricating oils. Serial No. 372,565; Feb. 11. Class 15.
Nestle-Lemur Company, The, New York, N. Y. Electrical heaters. Serial No. 371,593; Feb. 11. Class 21.
Newport Rolling Mill Company, Inc., The, Newport, Ky. Zinc coated iron and steel sheeting. Serial No. 371,640; Feb. 11. Class 14.
Nomolas Limited, London, England. Bread, biscuits, cakes, etc. Serial No. 367,061; Feb. 11. Class 46.
Northern Products Corp., New York, N. Y. Incandescent electric lamps. Serial No. 371,736; Feb. 11. Class 21.
O'Bryan Brothers, Chicago, Ill. Ladies' rayon underwear. Serial No. 369,456; Feb. 11. Class 39.
Old Age Revolving Pensions, Ltd., Washington, D. C. Printed booklets. Serial No. 370,354; Feb. 11. Class 38.
Oliver Tire & Rubber Company, Oakland, Calif. Black sheet gum for patching, cushion gum and rubber in strip form for retreading tires. Serial No. 371,775; Feb. 11. Class 35.
Ormig Corporation, New York, N. Y. Hectographic spirit duplicating machines. Serial No. 369,546; Feb. 11. Class 37.
Oroville-Cordell Fruit Growers, Inc., Oroville, Wash. Fresh apples. Serial No. 372,850; Feb. 11. Class 46.
Orso, Alfonso, doing business as The Gloria Company, New York, N. Y. Perfumes, toilet waters, rouge, etc. Serial No. 305,906; Feb. 11. Class 6.
Otto, Leo J., Dallas, Tex. Beer. Serial No. 371,440; Feb. 11. Class 48.
Pallmall Knitting Mills, Philadelphia, Pa. Knitted sweaters. Serial No. 372,063; Feb. 11. Class 39.
Parke, Davis & Company, Detroit, Mich. Antiseptic and germicide. Serial No. 372,179; Feb. 11. Class 6.
Pass and Williamson, Inc., Philadelphia, Pa. Candy. Serial No. 372,377; Feb. 11. Class 46.
Paull, Seymour, doing business as Consolidated Chemical Works, Chicago, Ill. Chemical compound. Serial No. 372,422; Feb. 11. Class 6.
Payn's, B., Son's Tobacco Co., Albany, N. Y. Tobacco. Serial No. 372,484; Feb. 11. Class 17.
Peerless Paper Mills, The, Oaks, Pa. Toilet paper and paper towels. Serial No. 371,342; Feb. 11. Class 37.
Peppard Seed Company, Kansas City, Mo. Pop-corn in the natural state. Serial No. 371,962; Feb. 11. Class 46.
Pepperell Manufacturing Company, Boston, Mass. Cotton sheeting, sheets and pillow cases. Serial No. 373,148; Feb. 11. Class 42.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. Serial Nos. 372,588–90; Feb. 11. Class 46.
Plottel Brothers, New York, N. Y. Waterproofed textile fabrics. Serial No. 372,025; Feb. 11. Class 50.
Plough, Inc., doing business as Ash-Mo Manufacturing Company, Memphis, Tenn. Toilet and medicinal preparations. Serial No. 367,974; Feb. 11. Class 6.
Portland Gas & Coke Company, Portland, Oreg. Precipitated sulphur. Serial No. 372,892; Feb. 11. Class 6.
Press Brothers Dress Corporation, Hummelstown, Pa. Ladies' and children's dresses and smocks and uniforms for women. Serial No. 372,790; Feb. 11. Class 39.
Purex Corporation Ltd., Los Angeles, Calif. Drain opener. Serial No. 371,501; Feb. 11. Class 6.
Quaker Oats Company, The, Chicago, Ill. Cereal products useful in preventing rancidity and deterioration by applying same to perishable goods and/or the containers therefor. Serial No. 371,449; Feb. 11. Class 50.
Queen's Electric Shops, Inc., Long Island City, N. Y. Household electrical appliances. Serial No. 368,967; Feb. 11. Class 21.
Quigley Company, Inc., New York, N. Y. Refractory cement. Serial Nos. 372,430–1; Feb. 11. Class 12.
Ransom, A. C., Corporation, New York, N. Y. Printing and lithographing inks. Serial No. 371,474; Feb. 11. Class 11.
Reeder, Donald P., Norton, Va. Series of cartoons. Serial No. 372,571; Feb. 11. Class 38.
Rogers, Curran M., Austin, Tex. Cartoons and pamphlets. Serial No. 372,531; Feb. 11. Class 38.
Safe-O Company, Pittsfield, Mass. Granular anti-slip material for sprinkling on the ground. Serial No. 369,249; Feb. 11. Class 1.
Savage, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. Serial No. 372,286; Feb. 11. Class 6.
Schreter, A., & Sons Co., Inc., Baltimore, Md. Wash ties. Serial No. 371,977; Feb. 11. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Windmills. Serial No. 372,713; Feb. 11. Class 23.
Shane, C. B., Corporation, Chicago, Ill. Men's overcoats and top coats. Serial No. 371,891; Feb. 11. Class 39.
Skirow Fur Company, Chicago, Ill. Fur skins. Serial No. 369,290; Feb. 11. Class 1.
Sleepeafe Industries, Inc., New York, N. Y. Mattresses, box springs, mattress pads, pillows. Serial Nos. 369,461–2; Feb. 11. Class 32.
Smith, Carroll Dunham, Pharmacal Company, Orange, N. J. Medicinal preparation. Serial No. 372,497; Feb. 11. Class 6.
Smith, Earskin, St. Louis, Mo. Preparation for the treatment of the hair and scalp. Serial No. 372,791; Feb. 11. Class 6.
Smith, Kline & French Laboratories, Philadelphia, Pa. Vasoconstrictors. Serial No. 372,217; Feb. 11. Class 6.
Snow King Baking Powder Co., The, Cincinnati, Ohio. Baking powder. Serial No. 372,749; Feb. 11. Class 46.
Spencer County Farm Bureau Cooperative Association, Inc., Chrisney, Ind. Canned vegetables. Serial No. 372,186; Feb. 11. Class 46.
Standard Grocery Company, Boston, Mass. Canned vegetables, canned fish, canned berries, etc. Serial No. 370,679; Feb. 11. Class 46.
Strouse-Baer Company, The, Baltimore, Md. Suits and pants for boys, and suits and sport dresses, etc., for girls. Serial Nos. 370,680–1; Feb. 11. Class 39.
Table Rock Laboratories, Inc., Greenville, S. C. Preparation in capsule form for the treatment of rheumatism, gout, etc. Serial No. 372,443; Feb. 11. Class 6.
Takamine Laboratory, Inc., Clifton, N. J. Preparation for the treatment of whooping cough and other irritating coughs, vitamin tablets, and a preparation for the relief of rheumatism, etc. Serial No. 371,743; Feb. 11. Class 6.
Topco Food Products Co., Augusta, Ga. Cane and corn syrup. Serial No. 368,637; Feb. 11. Class 46.
United States Gypsum Company, Chicago, Ill. Asphalt roofing, felt for construction purposes, sheathing, etc. Serial No. 360,258; Feb. 11. Class 12.
Van-Dye-Way Corporation, Paterson, N. J. Furs and fur skins. Serial No. 372,696; Feb. 11. Class 1.
Vita Cola Products Company, Detroit, Mich. Maltless beverage and syrups for making the same. Serial No. 369,836; Feb. 11. Class 45.
Voltarc Tubes, Inc., Newark, N. J. Luminous tubes and parts and supplies therefor. Serial No. 372,034; Feb. 11. Class 21.

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Waples Platter Company, Fort Worth, Tex. Canned beans chuck wagon style, wafer sliced beef, veal loaf, etc. Serial No. 344,305; Feb. 11. Class 46.
Werk, M., Company, The, St. Bernard, Ohio. Stearic acid. Serial No. 372,449; Feb. 11. Class 6.
Wilkening Manufacturing Company, Philadelphia, Pa. Piston rings, piston ring expanders, and valve packing. Serial No. 372,701; Feb. 11. Class 35.
Women's Uniforms, Inc. (See Dix, Henry A., & Sons Corporation.)
Wood & Hyde Company, Gloversville, N. Y. Leather. Serial No. 372,714; Feb. 11. Class 1.
Wood Laboratories, Inc., Chicago, Ill. Medical tablets. Serial No. 372,494; Feb. 11. Class 6.
Yury, Inc., New York, N. Y. Perfumes. Serial No. 372,295; Feb. 11. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Fastener Corporation, Chicago, Ill. Stapling machines and staples therefor. 332,351; Feb. 11; Serial No. 369,468; published Dec. 3, 1935. Class 37.
Active Hair Tonic Company. (See Velez, Louis.)
Advertising Motion Display Co., Chicago, Ill. Advertising devices. 332,454; Feb. 11. Class 50.
American Bakeries Co., to American Bakeries Company, Atlanta, Ga., successor. Crackers, biscuit, wafers, etc. 106,924; renewed Nov. 9, 1935.
American Fruit Growers Incorporated. (See Crutchfield & Woolfolk, assignor.)
American Tap-Bush Company, Detroit, Mich. Beverage dispensing taps. 332,302; Feb. 11; Serial No. 366,690; published Dec. 3, 1935. Class 15.
Anaheim Community Growers, Anaheim, Calif. Fresh citrus fruit. 332,282; Feb. 11; Serial No. 369,521; published Dec. 3, 1935. Class 46.
Anaheim Community Growers, Anaheim, Calif. Fresh citrus, fruit. 332,349; Feb. 11; Serial No. 369,523; published Dec. 3, 1935. Class 46.
Antonio Company, Inc., The, Tampa, Fla. Cigars. 332,405; Feb. 11; Serial No. 369,566; published Dec. 3, 1935. Class 17.
Arthur, W. E., & Company, Inc., Chicago, Ill. Lubricating oils and greases, and lubricating oil and grease compounds. 332,371; Feb. 11; Ser. No. 348,963; published Nov. 26, 1935. Class 15.
Ath-O-Cide Laboratories. (See Rast, Wm. C.)
Atlantic Basin Oil Co. Inc., Brooklyn, N. Y. Gasoline, lubricating oils, and greases. 332,379; Feb. 11; Serial No. 347,328; published June 5, 1934. Class 15.
Atlantic Zinc Works, Inc. (See North American Copper Co., assignee.)
Ballachey, G. P., doing business as Margaret Burnham's Cottage Candies, Oakland, Calif. Candy. 332,315; Feb. 11; Serial No. 348,022; published Dec. 3, 1935. Class 46.
Bates, Hamilton C. doing business as J. C. Bates & Son, Chester, Pa. Abrasive implements for manicuring the nails. 332,435; Feb. 11; Serial No. 369,906; published Dec. 3, 1935. Class 44.
Beatrice Creamery Company, Chicago, Ill. Butter. 332,362; Feb. 11; Serial No. 370,323; published Dec. 3, 1935. Class 46.
Becker, Walter, Jr., doing business as Waldan Manufacturing Company, Racine, Wis. Paint renewer in the form of a paint or varnish and a furniture polish. 332,421; Feb. 11; Serial No. 362,155; published Dec. 3, 1935. Class 16.
Bercut Richards Packing Company, Sacramento, Calif. Canned vegetables. 332,285; Feb. 11; Serial No. 369,177; published Dec. 3, 1935. Class 46.
Bianchi, Ago. Manteca, Calif. Fresh grapes. 332,311; Feb. 11; Serial No. 370,079; published Dec. 3, 1935. Class 46.
Bleeck, Henry, New York, N. Y. Ladies' hats and scarfs. 332,393; Feb. 11; Serial No. 366,804; published Dec. 3, 1935. Class 39.
Bloom, Charles, Inc., New York, N. Y. Taffeta. 332,331; Feb. 11; Serial No. 367,705; published Nov. 26, 1935. Class 42.
Bloomingdale Bros., Inc., New York, N. Y. Women's dresses, coats, wraps, etc. 332,327; Feb. 11; Serial No. 368,771; published Nov. 26, 1935. Class 39.
Botany Worsted Mills, Passaic, N. J. Fabrics, automobile blankets and robes, etc. 332,411; Feb. 11; Serial No. 358,589; published Nov. 19, 1935. Class 42.
Bowers Rubber Works, San Francisco, Calif., by change of name to Pioneer Rubber Mills. Rubber hose and belting, and composite rubber packing for pistons. 100,637; renewed Apr. 11, 1936.
Bridgeton Canning Co. (See Stewart, Norman W.)
Brocton Wine Cellars, Inc., Brocton, N. Y. Wines. 332,401; Feb. 11; Serial No. 370,541; published Dec. 3, 1935. Class 47.
Brown, William A., Philadelphia, Pa. Air conditioning devices. 332,449; Feb. 11. Class 34.
Burnham's, Margaret, Cottage Candies. (See Ballachey, G. P.)
Burt, R. W., & Company, Incorporated, Boston, Mass., assignor, by mesne assignments, to Orthopedic Shoes Inc., Portsmouth, Ohio. Gaiters. 110,881; renewed June 18, 1936.
Cammeyer Shoe Shops, Inc., New York, N. Y. Shoes and slippers. 332,354; Feb. 11; Serial No. 368,836; published Nov. 19, 1935. Class 39.
Carborundum Company, The, Niagara Falls, N. Y. Silicon carbide used as an an addition agent for iron and steel. 332,419; Feb. 11; Serial No. 363,946; published Dec. 3, 1935. Class 1.
Cardinal Laboratories, Inc., Chicago, Ill. Furniture polish and floor wax. 332,310; Feb. 11; Serial No. 370,072; published Dec. 3, 1935. Class 16.
Carpenter Steel Company, The, Reading, Pa. Steel in bars, billets, and shapes. 332,340; Feb. 11; Serial No. 369,523; published Dec. 3, 1935. Class 14.
Caulk, L. D., Company, The, Milford, Del. Fibrous packing stripe for dental use. 332,428; Feb. 11; Serial No. 370,245; published Dec. 3, 1935. Class 44.
Cohn, Jack, doing business as Filtrite Products Co., New York, N. Y. Ear drum protectors. 332,288; Feb. 11; Serial No. 369,125; published Dec. 3, 1935. Class 44.
Colson Corporation, The, Elyria, Ohio. Children's velocipedes. 332,287; Feb. 11; Serial No. 369,154; published Dec. 3, 1935. Class 22.
Colt-Cromwell Co., Inc., New York, N. Y. Leather riding boots and riding shoes, knitted fabric gloves, etc. 332,341; Feb. 11; Serial No. 365,369; published Nov. 26, 1935. Class 39.
Columbian Rope Company, Auburn, N. Y. Bonded bodies or articles composed essentially of vegetable fibers used for buffing purposes, etc. 332,344; Feb. 11; Serial No. 365,686; published Dec. 3, 1935. Class 4.
Connecticut Lace Works, Inc., doing business as Muller Gloria Mills, Norwalk, Conn. Silk piece goods. 332,388; Feb. 11; Serial No. 367,155; published Nov. 19, 1935. Class 42.
Continental Mills, Inc., Philadelphia, Pa. Wool and cotton piece goods fabrics. 332,300; Feb. 11; Serial No. 369,526; published Nov. 26, 1935. Class 42.
Cooley, Ralph C., Houston, Tex. Dental preparation. 332,456; Feb. 11. Class 6.
Corrective Foods Corporation, Chicago, Ill. Dietary reducing food. 332,368; Feb. 11; Serial No. 364,803; published Dec. 3, 1935. Class 46.
Courtaulds, Limited, assignor, by mesne assignments, to Courtaulds, Limited, London, England. Clothing. 110,453; renewed May 22, 1936.
Cowen Bros., New York, N. Y. Wrist watch straps of leather. 332,367; Feb. 11; Serial No. 362,910; published Nov. 19, 1935. Class 40.
Craddock, E. A., doing business as Craddock Canning & Produce Company, Newbern, Tenn. Canned vegetables. 332,376; Feb. 11; Serial No. 368,915; published Dec. 3, 1935. Class 46.
Crutchfield & Woolfolk, Pittsburgh, Pa., and Jacksonville and Orlando, Fla., assignor to American Fruit Growers Incorporated, Pittsburgh, Pa. Citrus fruits. 108,159; renewed Jan. 18, 1936.
Cunningham, Phyllis, New York, N. Y. Non-electrical hair curlers. 332,325; Feb. 11; Serial No. 368,656; published Dec. 3, 1935. Class 40.
Dearing, Arthur A., doing business as Dearing Photo Service, Bloomfield, N. J. Photographic prints. 332,402; Feb. 11. Class 38.
De Long Laboratories, Inc., doing business as De Long Laboratories, Ltd., Hollywood, Calif. Eye lash make-up, eye shadow, dry rouge, etc. 332,447; Feb. 11. Class 6.
Deamison & Sons, Long Island City, N. Y. Bank notes, checks, drafts, etc. 332,425; Feb. 11; Serial No. 370,213; published Dec. 3, 1935. Class 37.
Daechler, Edward L., doing business as Eye-Rest-O Co., Sacramento, Calif. Eye wash or drops. 332,313; Feb. 11; Serial No. 370,138; published Nov. 26, 1935. Class 6.
Dev-vy Amusements, Inc., Denver, Colo. Number game. 332,308; Feb. 11; Serial No. 369,988; published Dec. 3, 1935. Class 23.
Dobry Flour Mills, Inc., Yukon, Okla. Wheat flour. 332,389–4; Feb. 11; Serial Nos. 368,923–4; published Dec. 3, 1935. Class 46.
Dobry Flour Mills, Inc., Yukon, Okla. Wheat flour. 332,388; Feb. 11; Serial No. 368,922; published Dec. 3, 1935. Class 46.
Dodge, Lillian S. (See Freidevaux, Arnold.)
Dorrer, Marie, Inc., New York, N. Y. Bridal and confirmation veil outfits. 332,336; Feb. 11; Serial No. 368,604; published Nov. 26, 1935. Class 42.
Eastman Kodak Co., Rochester, N. Y., assignor to The Folmer Graflex Corporation. Photographic film. 108,591; renewed Feb. 15, 1936.

Eau de Cologne- & Parfumerie- Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens. (See Mülhens, Ferd., Inc., assignor.)

Eby Shoe Corporation, Ephrata, Pa. Shoes. 332,334, Feb. 11; Serial No. 367,661; published Nov. 12, 1935. Class 39.

Electrosire Corporation, The, Chicago, Ill. Ozone generating machines. 332,423; Feb. 11; Serial No. 369,960; published Dec. 3, 1935. Class 24.

Eiler, J. H., & Company, doing business as Savoree Foods, Clay Center, Nebr. Wheat cereal. 332,450; Feb. 11. Class 46.

Elliot, Greene & Co., Inc., New York, N. Y. Kits comprising loom and accessories. 332,463; Feb. 11. Class 50.

Estabrook & Eaton Company, Boston, Mass. Cabinet cigars. 332,329; Feb. 11; Serial No. 368,564; published Dec. 3, 1935. Class 17.

Eye Rest-O Co. (See Deschler, Edward L.)

Federal Milling Company, Lockport, N. Y., assignee, by mesne assignments, to Federal Mill, Inc. Rye-flour. 100,528; renewed Apr. 11, 1936.

Federated Metals Corporation, New York, N. Y. Nonferrous alloys. 332,407; Feb. 11; Serial No. 370,830; published Dec. 3, 1935. Class 14.

Ferro Enamel Corporation, Cleveland, Ohio. Asbestos mitts, aprons, leggings, etc. 332,417; Feb. 11; Serial No. 362,412; published Oct. 29, 1935. Class 39.

Finchley Inc., New York, N. Y. Men's coats, vests, pants, etc. 332,378; Feb. 11; Serial No. 368,979; published Oct. 29, 1935. Class 39.

Fitsrite Products Co. (See Cohn, Jack.)

Florsheim Shoe Company, The, Chicago, Ill. Slippers. 332,328; Feb. 11; Serial No. 368,845; published Dec. 3, 1935. Class 39.

Folmer Graflex Corporation, The. (See Eastman Kodak Co., assignee.)

Foord, Pauline S., doing business as The Jamit Company, Kerhonkson, N. Y. Laxative preparation. 332,359; Feb. 11; Serial No. 370,881; published Dec. 3, 1935. Class 6.

Formfit Co., The, Chicago, Ill. Brassières and foundation garments. 332,385; Feb. 11; Serial No. 368,929; published Oct. 29, 1935. Class 39.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 332,352; Feb. 11; Serial No. 369,402; published Nov. 19, 1935. Class 42.

Franck & Co., Inc., New Orleans, La. Wines. 332,277; Feb. 11; Serial No. 368,930; published Dec. 3, 1935. Class 47.

Franklin Simon & Co. Inc., New York, N. Y. Shoes. 332,317; Feb. 11; Serial No. 368,800; published Oct. 29, 1935. Class 39.

Freeman Shoe Corporation, Beloit, Wis. Boots and shoes. 332,328; Feb. 11; Serial No. 362,774; published Nov. 12, 1935. Class 39.

Froidevaux, Arnold, to Lillian S. Dodge, New York, N. Y., successor. Toilet preparation. 107,255; renewed Nov. 16, 1935.

General Cosmetics Corporation, New York, N. Y. Dusting powder, talcum powder, rouge, etc. 332,436; Feb. 11; Serial No. 369,883; published Dec. 3, 1935. Class 6.

Gerber Bros., Brooklyn, N. Y. Canned fruits, canned shrimp, fruit cocktail, etc. 332,420; Feb. 11; Serial No. 368,321; published Dec. 3, 1935. Class 46.

Goldberg, Louis M., New York, N. Y. Wines. 332,348; Feb. 11; Serial No. 369,255; published Dec. 3, 1935. Class 47.

Gold Medal Baking Company, Inc., Philadelphia, Pa. Bread. 332,373; Feb. 11; Serial No. 345,295; published Aug. 6, 1935. Class 46.

Gold's Drug Stores, Jersey City, N. J. Special formula ointment for eczema, and other skin diseases, corn medicine, Epsom salts, etc. 332,436; Feb. 11; Serial No. 369,917; published Dec. 3, 1935. Class 6.

Goodman, Abraham, New York, N. Y. Shoes. 332,297; Feb. 11; Serial No. 369,010; published Nov. 26, 1935. Class 39.

Groneweg & Schoenstren Company. Council Bluffs, Iowa, to Groneweg & Schoenstren Company. Foods. 107,845; renewed Dec. 28, 1935.

Gulf City Coffee Company, Pensacola, Fla. Coffee. 109,456; renewed Apr. 11, 1936.

Hammel, Riglander & Co. Inc., New York, N. Y. Watch crystals. 332,430; Feb. 11; Serial No. 370,217; published Dec. 3, 1935. Class 35.

Harrington Paint Co., Inc., The, East Cleveland, Ohio. Industrial paint. 332,404; Feb. 11; Serial No. 369,610; published Dec. 3, 1935. Class 16.

Hartmann, Le Doux and Maecker, to Red Hand Compositions Company, Inc., New York, N. Y., successor. Prepared paint. 12,336; re-renewed June 23, 1935.

Hartung Brothers, New York, N. Y. Preparation adapted to be mixed with other ingredients in making icing. 332,460; Feb. 11. Class 46.

Harvey, G. F., Company, The, Saratoga Springs, N. Y. Tablets for use as an astringent, antiseptic, and a deodorant solution. 332,429; Feb. 11; Serial No. 370,218; published Nov. 26, 1935. Class 6.

Hevner, Clyde W., Franklin, Nebr., to Clyde W. Hevner, doing business as Hevner Serum Company. Hog-cholera serum and hog-cholera virus. 109,533; renewed Apr. 11, 1936.

Hirsch, Louis, Textile Machines, Inc., New York, N. Y. Hosiery. 332,466; Feb. 11. Class 39.

Holden, Wiggin & Folan, Inc., Yarmouth, Maine. Shoes. 332,288; Feb. 11; Serial No. 369,181; published Dec. 3, 1935. Class 39.

Hosier, Elmer R., Delaware Water Gap, Pa. Outdoor game. 332,423; Feb. 11; Serial No. 370,188; published Dec. 3, 1935. Class 22.

Hydro-Gas Company, Inc., San Antonio, Tex. Especially compounded butane gaseous fuel. 332,330; Feb. 11; Serial No. 366,416; published Nov. 26, 1935. Class 6.

Hygiene Manufacturing Company, Inc., Dallas, Tex. Douche powder and antiseptic vaginal jelly. 332,312; Feb. 11; Serial No. 370,101; published Nov. 26, 1935. Class 6.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Dresses, suits, blouses, etc. 332,355; Feb. 11, Serial No. 367,825; published Nov. 26, 1935. Class 39.

Indianapolis Glove Company, Indianapolis, Ind. Gloves and mittens. 332,354; Feb. 11; Serial No. 366,619; published Dec. 3, 1935. Class 39.

International Brokerage Company, Minneapolis, Minn. Canned fish. 332,365; Feb. 11; Serial No. 349,534; published Dec. 3, 1935. Class 46.

International Latex Corporation, Rochester, N. Y. Latex baby pants. 332,369; Feb. 11; Serial No. 364,137; published Dec. 3, 1935. Class 39.

International Shoe Co., St. Louis, Mo. Boots and shoes. 332,332; Feb. 11; Serial No. 362,745; published Oct. 29, 1935. Class 39.

International Shoe Co., St. Louis, Mo. Boots and shoes. 332,337; Feb. 11; Serial No. 369,636; published Nov. 26, 1935. Class 39.

International Sugar Feed Co., Minneapolis, Minn. Dairy feed. 110,423; renewed May 23, 1936.

Irving Trust Company, trustee. (See United Cigar Stores Co., assignor.)

Jacob Brothers, Inc., Bridgeport, Conn. Lubricating oil and greases. 332,414; Feb. 11; Serial No. 361,358; published Nov. 19, 1935. Class 15.

Jamit Company, The. (See Foord, Pauline S.)

Johnson Steel & Wire Co., Inc., Worcester, Mass. Wire for wire brushes. 332,445; Feb. 11; Serial No. 369,767; published Dec. 3, 1935. Class 14.

Kaffee Hag Corporation, New York, N. Y., to Kaffee Hag Corporation, Battle Creek, Mich., successor. Coffee. 108,958; renewed Mar. 7, 1936.

Kapec Company, The, Milwaukee, Wis. Leather dressing. 332,350; Feb. 11; Serial No. 367,784; published Dec. 3, 1935. Class 4.

Kilmore Manufacturing Company, The, Westerville, Ohio. Paper caps in rolls for toy pistols. 332,406; Feb. 11; Serial No. 371,167; published Dec. 10, 1935. Class 9.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 332,440; Feb. 11; Serial No. 369,811; published Dec. 3, 1935. Class 40.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 332,442–4; Feb. 11; Serial Nos. 369,809–10; published Dec. 3, 1935. Class 40.

Kuhmarker Waxed Paper Co. Inc., New York, N. Y. Christmas tree decorations. 332,402; Feb. 11; Serial No. 370,517; published Dec. 3, 1935. Class 50.

La Grange Products Co. (See Machotka, William V.)

Lansburgh & Bro., doing business as Lansburgh's, Washington, D. C. Shoes. 332,333; Feb. 11; Serial No. 369,279; published Nov. 19, 1935. Class 39.

Leo Corporation, Chicago, Ill. Motor fuel oils, gasoline, burning oils, etc. 332,442; Feb. 11; Serial No. 369,850; published Dec. 3, 1935. Class 15.

Lincoln Electric Company, The, Cleveland, Ohio. Metallic welding electrodes. 332,374; Feb. 11; Serial No. 358,443; published Dec. 3, 1935. Class 14.

Linoleum Manufacturing Company, Limited, The, London, England, assignee to Linoleum Manufacturing Company, Limited. Linoleum floor-cloths and oil-cloth. 108,790; renewed Feb. 25, 1936.

Los Angeles Soap Co., Los Angeles, Calif. Toilet soap, granulated soap, shaving cream, etc. 332,402; Feb. 11; Serial No. 370,513; published Dec. 3, 1935. Class 4.

Lowry-Rodgers Company, doing business as Alfred Lowry & Bro., Philadelphia, Pa. Suitor. 332,420; Feb. 11; Serial No. 369,853; published Dec. 3, 1935. Class 46.

Machotka, William V., doing business as La Grange Products Co., La Grange, Ill. Herbs, teas, and compounds and mixtures thereof. 332,458; Feb. 11. Class 6.

Maiden Form Brassier Company, Inc., New York, N. Y. Brassières, handeaux, corsets, etc. 332,295; Feb. 11; Serial No. 369,087; published Nov. 12, 1935. Class 39.

Mallinson, H. R., & Co., a firm, as assignee of Hiram R. Mallinson, assignor, by mesne assignments, to H. R. Mallinson & Company, Inc., New York, N. Y. Voiles. 110,754; renewed June 18, 1936.

Malmstead, Lilyan, Worcester, Mass. Shoes and corsets, brassières, girdles, etc. 332,335; Feb. 11; Serial No. 365,807; published Nov. 12, 1935. Class 39.

Manhattan Shirt Co., The, New York, N. Y. Towels. 332,301; Feb. 11; Serial No. 366,955; published Nov. 19, 1935. Class 4.

Merchants Chemical Company, Inc., New York, N. Y. Laundry bags and nets, padding for laundry ironing machines and presses made of felt, cloth, etc. 332,318; Feb. 11; Serial No. 368,265; published Dec. 3, 1935. Class 24.

Meyer, Henry A., Chicago, Ill. Shoes. 332,343; Feb. 11; Serial No. 366,660; published Nov. 19, 1935. Class 39.

Mission Dry Corporation, Los Angeles, Calif. Fruit juice beverages. 332,424; Feb. 11; Serial No. 370,154; published Dec. 3, 1935. Class 46.

Mission Dry Corporation, Los Angeles, Calif. Fruit juices. 332,441; Feb. 11; Serial No. 369,820; published Dec. 3, 1935. Class 46.

Mitchell, F. O., & Bro., Perryman, Md. Canned corn. 110,762; renewed June 18, 1936.

Mon-Ami, Incorporated, Sandusky, Ohio. Wines. 332,337; Feb. 11; Serial No. 368,628; published Dec. 3, 1935. Class 47.

Moss Stores, Inc., San Francisco, Calif. Ladies' leather gloves. 332,391; Feb. 11; Serial No. 368,866; published Nov. 26, 1935. Class 39.

Mothersill Remedy Company, Limited. (See Williams Drug Co.)

Motor Wheel Corporation, Lansing, Mich. Oil burners and oil burning heating stoves and cooking ranges. 332,330; Feb. 11; Serial No. 367,970; published Dec. 3, 1935. Class 34.

Mülhens, Ferd., Inc., New York, N. Y., assignee to Paul Peter Mülhens, doing business under firm name of Eau de Cologne- & Parfumerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne, Germany. Eau de cologne, lavender water, hair washes, etc. 332,416; Feb. 11; Serial No. 360,296; published Dec. 3, 1935. Class 6.

Muller Gloria Mills. (See Connecticut Lace Works, Inc.)

National Boys Magikluhe. (See Rosenbloom, Jack.)

National Milling & Chemical Company, Philadelphia, Pa. Preparation for degumming of silk hosiery and silken piece goods, etc. 332,294; Feb. 11; Serial No. 369,225; published Nov. 26, 1935. Class 6.

Nelke, Firma R. A., Steinbach-Hallenberg, Germany. Non-electrical hair curling irons and hair waving irons. 332,290; Feb. 11; Serial No. 369,127; published Nov. 26, 1935. Class 40.

Neumann, Morton G., doing business as Valmor Products Co., Chicago, Ill. Laxative. 332,455; Feb. 11. Class 6.

Neva-Wet Corporation of America, Inc., New York, N. Y. Processing fluids for treating fabrics, etc. for rendering them water repellant. 332,448; Feb. 11. Class 6.

No-D-Ka Laboratories. (See Reid, Marion V.)

North American Copper Co., assignor to Atlantic Zinc Works, Inc., New York, N. Y. Metals and metal castings and forgings. 108,186; renewed Mar. 28, 1936.

Oberti, James M., doing business as Oberti Manufacturing Co., San Francisco, Calif. Floor sweepers, furniture dusters, mops, etc. 332,452; Feb. 11. Class 29.

O'Connor & Goldberg, Chicago, Ill. Women's shoes. 332,291; Feb. 11; Serial No. 369,097; published Dec. 3, 1935. Class 39.

O'Connor & Goldberg, Chicago, Ill. Women's shoes. 332,294; Feb. 11; Serial No. 369,094; published Dec. 3, 1935. Class 39.

O'Connor & Goldberg, Chicago, Ill. Women's shoes. 332,296; Feb. 11; Serial No. 369,095; published Dec. 3, 1935. Class 39.

Old Ben Coal Corporation, Chicago, Ill. Coal. 332,305; Feb. 11; Serial No. 369,978; published Dec. 3, 1935. Class 1.

Orthopedic Shoes Inc. (See Burt, R. W., & Company, Incorporated, assignor.)

Osborn Paper Company, Marion, Ind. Paper tablets. 110,822; renewed May 16, 1936.

Pacific Mills, Boston, Mass. Osnaburg piece goods. 332,299; Feb. 11; Serial No. 369,681; published Nov. 5, 1935. Class 42.

Palmers Limited, Montreal, Quebec, Canada. Perfumes, toilet preparations, bath salts, etc. 332,331; Feb. 11; Serial No. 367,167; published Nov. 26, 1935. Class 6.

Paris, Chas. S., & Co. Inc., Yankton, S. Dak. Preparation for application to corns, callouses, etc. 332,457; Feb. 11. Class 6.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. 332,412; Feb. 11; Serial No. 370,360; published Dec. 3, 1935. Class 22.

Particulares, S. A., Vedado, Habana, Cuba. Cigars, cigarettes, and cut tobacco. 332,324; Feb. 11; Serial No. 368,577; published Dec. 3, 1935. Class 17.

Patterson-Sargent Company, The, Cleveland, Ohio. Paints, paint enamels, stains, etc. 332,337-8; Feb. 11; Serial Nos. 370,423-4; published Dec. 3, 1935. Class 16.

Peerless Coffee Company, Inc., Oakland, Calif. Tea. 332,286; Feb. 11; Serial No. 369,166; published Dec. 3, 1935. Class 46.

Pepperell Manufacturing Company, Boston, Mass. Sheets and pillow cases. 332,347; Feb. 11; Serial No. 360,372; published Nov. 19, 1935. Class 42.

Pioneer Rubber Mills. (See Bowers Rubber Works.)

Polk Packing Assn., Winter Haven, Fla. Fresh citrus fruits. 332,461; Feb. 11. Class 46.

Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth brushes and hair brushes. 332,382; Feb. 11; Serial No. 370,735; published Dec. 3, 1935. Class 29.

Protection Products Manufacturing Company, Detroit and Kalamazoo, Mich. Chemical solution for waterproofing and preserving cloth, canvas, etc. 332,319; Feb. 11; Serial No. 368,453; published Nov. 26, 1935. Class 6.

Pushee, J. C., & Sons, to J. C. Pushee & Sons, Inc., Boston, Mass., successor. Painters' brushes. 100,877; renewed Apr. 18, 1936.

Pyiam Products Company, Inc., New York, N. Y. Bleaching material. 332,370; Feb. 11; Serial No. 363,964; published Nov. 26, 1935. Class 6.

Rand Rubber Company, Inc., Brooklyn, N. Y. Aprons and bathing caps. 332,353; Feb. 11; Serial No. 367,866; published Oct. 29, 1935. Class 39.

Rand Rubber Company, Inc., Brooklyn, N. Y. Dress shields. 332,400; Feb. 11; Serial No. 369,836; published Nov. 26, 1935. Class 40.

Rast, Wm. C., doing business as Ath-O-Cide Laboratories, Tacoma, Wash. Medicinal preparation. 332,365; Feb. 11; Serial No. 370,378; published Dec. 3, 1935. Class 6.

Rath Packing Company, The, Waterloo, Iowa. Canned corned beef, and canned corned beef hash. 332,345; Feb. 11; Serial No. 365,661; published Dec. 3, 1935.

Rath Packing Company, The, Waterloo, Iowa. Canned mixture of spiced pork and beef. 332,346; Feb. 11; Serial No. 365,660; published Dec. 3, 1935. Class 46.

Rath Packing Company, The, Waterloo, Iowa. Bacon, hams, and picnic hams. 332,375; Feb. 11; Serial No. 356,378; published Dec. 3, 1935. Class 46.

Red Hand Compositions Company, Inc. (See Hartmann, Le Doux and Maecker.)

Red Jacket Coal Company, Columbus, Ohio. Coal. 332,304; Feb. 11; Serial No. 369,980; published Dec. 3, 1935. Class 1.

Reid, Marion V., doing business as No-D-Ka Laboratories, West Springfield, Mass. Dentifrices. 332,451; Feb. 11. Class 6.

Reynolds Metals Company Inc., New York, N. Y. Metallic sheet material—namely, foil. 332,398; Feb. 11; Serial No. 370,628; published Dec. 3, 1935. Class 14.

Rochester Button Company, Rochester, N. Y. Buttons. 332,434; Feb. 11; Serial No. 360,800; published Nov. 26, 1935. Class 40.

Romanoff Caviar Company, doing business as Tonson Packing Co., New York, N. Y. Brisling sardines. 332,306; Feb. 11; Serial No. 370,065; published Dec. 3, 1935. Class 46.

Romer Hat Corporation, New York, N. Y. Men's hats, neckties, and mufflers. 332,335; Feb. 11; Serial No. 368,666; published Oct. 29, 1935. Class 39.

Rosatto-Barry-Street Co., Philadelphia, Pa. Bowling pins. 332,307; Feb. 11; Serial No. 370,018; published Dec. 3, 1935. Class 22.

Rosenblum, Jack, doing business as National Boys Magikluhe, assignee to National Boys Magikluhe, Inc., New York, N. Y. Boys' suits, topcoats, overcoats, etc. 332,416; Feb. 11; Serial No. 361,402; published Nov. 5, 1935. Class 39.

Ross, Sydney, Co., The, New York, N. Y., to Sydney Ross Co., Newark, N. J. Tonic medicinal preparation. 106,578; renewed Feb. 15, 1936.

Rykoff, S. H., & Company, Los Angeles, Calif. Maltless syrups for soft drinks and as mixers. 332,361; Feb. 11; Serial No. 370,363; published Dec. 3, 1935. Class 45.

Saks & Company, New York, N. Y. Infants' coats, dresses, hats, etc. 332,366; Feb. 11; Serial No. 368,053; published Oct. 29, 1935. Class 39.

Sam-Mor Hat Co., Inc., New York, N. Y. Ladies' and misses hats. 332,446; Feb. 11; Serial No. 368,819; published Nov. 26, 1935. Class 39.

Sa-Tan-Ic Medicine Co., Wichita, Kans., assignor to Sa-Tan-Ic Medicine & Manufacturing Company. Medicinal preparation. 109,134; renewed Mar. 21, 1936.

Savoree Foods. (See Eiler, J. H., & Company.)

Scholnick Shoe Co., Boston, Mass. Women's shoes. 332,339; Feb. 11; Serial No. 368,458; published Oct. 29, 1935. Class 39.

Schwahn-Seyberth Saddlery Co., Eau Claire, Wis., by change of name to The Schwahn-Seyberth Co. Horse-collars. 108,572; renewed Feb. 15, 1936.

Selby Shoe Company, The, Portsmouth, Ohio. Women's shoes. 332,399; Feb. 11; Serial No. 369,717; published Nov. 26, 1935. Class 39.

Shawmut Manufacturing Corp., The, Hartford, Conn. Coloring, dyeing, and tinting preparations. 332,459; Feb. 11. Class 6.

Shell Oil Company, San Francisco, Calif. Lubricating oil. 332,292; Feb. 11; Serial No. 369,109; published Nov. 5, 1935. Class 15.

Sherwin-Williams Co., The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. 332,410; Feb. 11; Serial No. 370,485; published Dec. 3, 1935. Class 16.

Shoecraft, Inc., New York, N. Y. Shoes and hosiery. 332,389; Feb. 11; Serial No. 367,449; published Nov. 26, 1935. Class 39.

Simmons Hardware Company, St. Louis, Mo. Ice cream freezers. 332,381; Feb. 11; Serial No. 370,779; published Dec. 3, 1935. Class 31.

Simmons, J. A., Inc., Salinas, Calif. Fresh vegetables. 332,314; Feb. 11; Serial No. 370,125; published Dec. 3, 1935. Class 46.

Sims, E., Corporation, New York, N. Y. Hats. 332,322; Feb. 11; Serial No. 368,758; published Nov. 19, 1935. Class 39.

Smith, Howard, doing business as 10-X Products, Des Moines, Iowa. Shooting coats, shooting jackets, and shooting gloves. 332,437; Feb. 11; Serial No. 369,862; published Dec. 3, 1935. Class 39.

Soc. Cadolle Freres, Paris, France. Corsets and bust-bodices, brassières, and girdles. 332,413; Feb. 11; Serial No. 358,896; published Oct. 29, 1935. Class 39.

Société Anonyme d'Exploitation des Papeteries L. Lacroix Fils, Angouleme, France. Cigarette-paper. 107,766; renewed Dec. 28, 1933.

Somerset Shoe Co., Auburn, Maine. Ladies' leather shoes. 332,296; Feb. 11; Serial No. 368,967; published Oct. 29, 1935. Class 30.

Spalding, A. G. & Bros., New York, N. Y. Basket ball shoes. 332,390; Feb. 11; Serial No. 367,688; published Nov. 12, 1935. Class 29.

Spear, Irving L., Boston, Mass. Candy. 332,309; Feb. 11; Serial No. 370,067; published Dec. 3, 1935. Class 46.

Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. 332,422; Feb. 11; Serial No. 370,203; published Nov. 26, 1935. Class 6.

Sta-Kleen Bakery, Inc., Lynchburg, Va. Bread. 110,283; renewed May 16, 1936.

Stance Incorporated, New York, N. Y. Droppers and atomisers. 332,409; Feb. 11; Serial No. 370,205; published Dec. 3, 1935. Class 44.

Standard Brands Incorporated, New York, N. Y. Coffee. 332,431; Feb. 11; Serial No. 369,985; published Dec. 3, 1935. Class 46.

Stein, A., & Company, Chicago, Ill. Garters. 108,499; renewed Feb. 5, 1936.

Sterilek Company Inc. The, Brooklyn, N. Y. Facial tissues. 332,379; Feb. 11; Serial No. 370,479; published Dec. 3, 1935. Class 37.

Sterilek Company Inc. The, Brooklyn, N. Y. Facial and toilet tissues. 332,380; Feb. 11; Serial No. 370,478; published Dec. 3, 1935. Class 37.

Stewart, Norman W., doing business as Bridgeton Canning Co., Bridgeton, N. J. Tomato catsup and tomato purée, chile sauce, etc. 332,356; Feb. 11; Serial No. 368,157; published Dec. 3, 1935. Class 46.

Stonekirk Worsted Company, New York, N. Y. Woolen piece goods. 332,342; Feb. 11; Serial No. 368,490; published Oct. 29, 1935. Class 42.

Strauss, Lou R., Jr., New York, N. Y. Mulch and fertilizing top dressing for soil. 332,386; Feb. 11; Serial No. 368,868; published Dec. 3, 1935. Class 1.

Sun-Maid Raisin Growers of California, Fresno, Calif. Raisin bread. 332,337; Feb. 11; Serial No. 368,870; published Dec. 3, 1935. Class 46.

Sunsberg & Feinberg, Inc., New York, N. Y. Women's underwear. 332,293; Feb. 11; Serial No. 369,114; published Nov. 12, 1935. Class 39.

Sylvestre Oil Company, Inc., Mount Vernon, N. Y. Bunker fuel oils. 332,303; Feb. 11; Serial No. 369,983; published Dec. 3, 1935. Class 15.

Tennessee Mineral Products Corporation, New York, N. Y. Pyrophylite and feldspar. 332,408; Feb. 11; Serial No. 370,838; published Dec. 3, 1935. Class 1.

10-X Products. (See Smith, Howard.)

Thomas, Perry M., Elgin, Ill. Physiotherapeutic devices. 332,364; Feb. 11; Serial No. 370,281; published Dec. 3, 1935. Class 44.

Thornton, John, & Company, New York, N. Y. Needles, knitting pins and needles, crochet hooks, etc. 332,310; Feb. 11; Serial No. 368,313; published Nov. 12, 1935. Class 40.

Tonsen Caviar Company. (See Romanoff Caviar Company.)

United Cigar Stores Co., Jersey City, N. J., assignee to Irving Trust Company, as trustee of the estate of United Cigar Stores Company of America, debtor, New York, N. Y. Candy and ice-cream. 108,070; renewed Jan. 11, 1936.

United Cigar Stores Co., Jersey City, N. J., assignee to Irving Trust Company, as trustee of the estate of United Cigar Stores Company of America, debtor, New York, N. Y. Pipes, cigar-holders, cigarette-holders, pouches, etc. 110,038; renewed May 2, 1936.

United States Rubber Products, Inc., New York, N. Y. Shoes. 332,392; Feb. 11; Serial No. 367,004; published Dec. 3, 1935. Class 29.

Valmor Products Co. (See Neumann, Morton G.)

Vick Chemical Company, Philadelphia, Pa. Medicinal preparation. 332,360; Feb. 11; Serial No. 370,360; published Dec. 3, 1935. Class 6.

Vitalex Process Company, Philadelphia, Pa. Compounds for polishing and lubricating leather. 332,422; Feb. 11; Serial No. 369,938; published Dec. 3, 1935. Class 4.

Volas, Louis, doing business as Actina Hair Tonic Company, Canton, Ohio. Hair tonic and dandruff remover. 332,321; Feb. 11; Serial No. 368,314; published Dec. 3, 1935. Class 6.

Walden Manufacturing Company. (See Becker, Walter, Jr.)

Walgreen Co., Chicago, Ill. Talcum powder, face powder, and after-shave lotion. 332,418; Feb. 11; Serial No. 362,892; published Nov. 26, 1935. Class 6.

Walker, W. & F., Limited, Liverpool, England. Appliances for sterilising the atmosphere. 332,427; Feb. 11; Serial No. 370,207; published Dec. 3, 1935. Class 44.

White, Robert C., Company, Philadelphia and Falls of Schuylkill, Pa. Concentrated base for insect destroying sprays. 332,426; Feb. 11; Serial No. 370,206; published Nov. 26, 1935. Class 6.

Whittemore Bros. Corp., Cambridge, Mass. Dressings for shoes, and for leather, leather substitutes, and fabric. 332,396; Feb. 11; Serial No. 369,669; published Dec. 3, 1935. Class 4.

Williams Drug Co., Owensboro, N. Y., to Motherill Remedy Company, Limited, Montreal, Quebec, Canada, successor. Camphorated mustard cream. 109,850; renewed Apr. 14, 1936.

Wilmerding & Bisset, New York, N. Y. Piece goods. 332,326; Feb. 11; Serial No. 368,722; published Nov. 19, 1935. Class 42.

Zatarain, Emile A., New Orleans, La., assignor to E. A. Zatarain & Sons, Inc. Sarsaparilla, root-beer, flavoring-syrups, etc. 108,280; renewed Jan. 28, 1936.

Zatarain, Emile A., New Orleans, La., assignor to E. A. Zatarain & Sons, Inc. Foods. 106,760; renewed Feb. 22, 1936.

LIST OF REGISTRANTS OF LABELS

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Spaghettini. For Spaghettini. 47,019; Feb. 11.

Ben-Burk, Inc., Boston, Mass. Guest Decanter, Old Mr. Boston. For Dry Gin. 47,020; Feb. 11.

Ben-Burk, Inc., Boston, Mass. Guest Decanter, Old Mr. Boston. For Orange Gin. 47,021; Feb. 11.

Ben-Burk, Inc., Boston, Mass. Guest Decanter, Old Mr. Boston. For Sloe Gin. 47,022; Feb. 11.

Bradway Chocolate Co., Inc., New Castle, Ind. Bradway Chocolate Syrup. For Chocolate Sirup. 47,023; Feb. 11.

Golden Mist Wine Co., Chicago, Ill. Golden Mist. For Wines. 47,024; Feb. 11.

Hitschler, John J., & Son, Philadelphia, Pa. Hitschler's Top Creameries. For Butter. 47,025; Feb. 11.

Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Glo-Coat. For No Rubbing Floor Polish. 47,026; Feb. 11.

Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Prepared Paste Wax. For Prepared Paste Wax. 47,027; Feb. 11.

Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Powdered Dance Wax. For Powdered Dance Wax. 47,028; Feb. 11.

Kemp, E. F., Inc., Somerville, Mass. Kemp's Thin Mints. For Mint Candies. 47,029; Feb. 11.

Kolby, Lloyd V., doing business as Uni-Dale Bakery, St. Paul, Minn. Table-Tested Bread. For Bread. 47,030; Feb. 11.

Lewy Chemical Co., The, New York, N. Y. Oriental Ring. For a Solid Annular Ring Product of Compressed, Vaporised Product for Killing Moths. 47,031; Feb. 11.

Revere Copper and Brass Incorporated, New York, N. Y. Extruded Roller-Forged Engineering Tube. For Engineering Tubes. 47,032; Feb. 11.

Uni-Dale Bakery. (See Kolby, Lloyd V.)

LIST OF REGISTRANTS OF PRINTS

Fitzpatrick Bros. Inc., Chicago, Ill. Kitchen Kleanser Thrift-tee Bank. For Thrift and Savings Banks. 15,570; Feb. 11.

Pacific Guano Company, San Francisco, Calif. Taps Kills Snails. For a Preparation for Killing Snails. 15,571; Feb. 11.

Red Star Shoe Repairing Company, Inc., The, Philadelphia, Pa. Nothing Over 10¢. For Heel Lifts and Rubber Heels. 15,572; Feb. 11.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Old Ben Coal Corporation. 332,305; Feb. 11; Serial No. 369,978; published Dec. 3, 1935.

Coal. Red Jacket Coal Company. 332,304; Feb. 11; Serial No. 369,980; published Dec. 3, 1935.

Mulch and fertilizing top dressing for soil. L. R. Strauss, Jr. 332,386; Feb. 11; Serial No. 368,868; published Dec. 3, 1935.

Pyrophylite and feldspar. Tennessee Mineral Products Corporation. 332,408; Feb. 11; Serial No. 370,838; published Dec. 3, 1935.

Silicon carbide used as an addition agent for iron and steel. Carborundum Company. 332,419; Feb. 11; Serial No. 363,966; published Dec. 3, 1935.

CLASS 5

Horse-collars. Schwahn-Seyberth Saddlery Co. 103,572; renewed Feb. 15, 1936.

CLASS 4

Bonded bodies or articles composed essentially of vegetable fibers used for buffing purposes, etc. Columbian Rope Company. 332,344; Feb. 11; Serial No. 365,696; published Dec. 3, 1935.

Compounds for polishing and lubricating leather. Vitalex Process Company. 332,422; Feb. 11; Serial No. 369,938; published Dec. 3, 1935.

Dressing, Leather. Kepec Company. 332,360; Feb. 11; Serial No. 367,704; published Dec. 3, 1935.

Dressings for shoes, and for leather, leather substitutes, and fabric. Whittemore Bros. Corp. 332,396; Feb. 11; Serial No. 369,669; published Dec. 3, 1935.

Soap, granulated soap, shaving cream, etc., Toilet. Los Angeles Soap Co. 332,402; Feb. 11; Serial No. 370,518; published Dec. 3, 1935.

CLASS 6

Bleaching material. Pylam Products Company. 332,370; Feb. 11; Serial No. 363,964; published Nov. 26, 1935.

Coloring, dyeing, and tinting preparations. Shawmut Manufacturing Corp. 332,450; Feb. 11.

Concentrated base for insect destroying sprays. Robert C. White Company. 332,426; Feb. 11; Serial No. 370,206; published Nov. 26, 1935.

Cream, Camphorated mustard. Williams Drug Co. 109,850; renewed Apr. 14, 1936.

Dental preparation. R. C. Cooley. 332,454; Feb. 11.

Dentrifices. M. V. Reid. 332,451; Feb. 11.

Eau de cologne, lavender water, hair washes, etc. Ferd. Mülhens, Inc. 332,415; Feb. 11; Serial No. 360,896; published Dec. 3, 1935.

Eye lash make-up, eye shadow, dry rouge, etc. De Long Laboratories, Inc. 332,447; Feb. 11.

Eye wash or drops. E. L. Deschler. 332,318; Feb. 11; Serial No. 370,138; published Nov. 26, 1935.

Fluids for treating fabrics, etc., for rendering them water repellant, Processing. Neva-Wet Corporation of America, Inc. 332,448; Feb. 11.

Fuel, Especially compounded butane gaseous fuel. Hydro-Gas Company. 332,320; Feb. 11; Serial No. 368,416; published Nov. 26, 1935.

Hair tonic and dandruff remover. L. Volas. 332,321; Feb. 11; Serial No. 368,314; published Dec. 3, 1935.

Herbs, teas, and compounds and mixtures thereof. W. V. Machotka. 332,458; Feb. 11.

Laxative. M. G. Neumann. 332,455; Feb. 11.

Laxative preparation. P. S. Foord. 332,359; Feb. 11; Serial No. 370,381; published Dec. 3, 1935.

Medicinal preparation. W. C. Rast. 332,365; Feb. 11; Serial No. 370,273; published Dec. 3, 1935.

Medicinal preparation. Sa-Tan-La Medicine Co. 100,134; renewed Mar. 21, 1936.

Medicinal preparation. Vick Chemical Company. 332,360; Feb. 11; Serial No. 370,360; published Dec. 3, 1935.

Ointment for eczema and other skin diseases, corn medicine, epsom salts, etc., Special formula. Gold's Drug Stores. 332,436; Feb. 11; Serial No. 369,917; published Dec. 3, 1935.

Perfumes, toilet preparations, bath salts, etc. Palmers Limited. 332,333; Feb. 11; Serial No. 367,167; published Nov. 26, 1935.

Powder and antiseptic vaginal jelly, Douche. Hygiene Manufacturing Company. 332,312; Feb. 11; Serial No. 370,101; published Nov. 26, 1935.

Powder, face powder, and after-shave lotion, Talcum. Walgreen Co. 332,418; Feb. 11; Serial No. 362,892; published Nov. 26, 1935.

Powder, talcum powder, bath salts, rouge, etc., Dusting. General Cosmetics Corporation. 332,438; Feb. 11; Serial No. 369,883; published Dec. 3, 1935.

Preparation for application to corns, callouses, etc. Chas. S. Paris & Co. Inc. 332,457; Feb. 11.

Preparation for degumming of silk hosiery and silken piece goods, etc. National Knitting & Chemical Company. 332,284; Feb. 11; Serial No. 360,235; published Nov. 26, 1935.

Preparation, Toilet. A. Froidevaux. 107,253; renewed Nov. 16, 1935.

Serum and virus, Hog-cholera. C. W. Hevner. 109,533; renewed Apr. 11, 1936.

Solution for waterproofing and preserving cloth, canvas, etc., Chemical. Protection Products Manufacturing Company. 332,319; Feb. 11; Serial No. 366,495; published Nov. 26, 1935.

Tablets for use as an astringent, antiseptic, and a deodorant solution. G. F. Harvey Company. 332,429; Feb. 11; Serial No. 370,218; published Nov. 26, 1935.

Tonic medicinal preparation. Sydney Ross Co. 108,578; renewed Feb. 18, 1936.

Vitaminic preparations. E. R. Squibb & Sons. 332,422; Feb. 11; Serial No. 370,203; published Nov. 26, 1935.

CLASS 8

Cigarette-paper. Société Anonyme d'Exploitation des Papeteries L. Lacroix Fils. 107,766; renewed Dec. 28, 1933.

Pipes, cigar-holders, cigarette-holders, pouches, etc. United Cigar Stores Co. 110,038; renewed May 2, 1936.

CLASS 9

Caps in rolls for toy pistols, Paper. Kilgore Manufacturing Company. 332,406; Feb. 11; Serial No. 371,167; published Dec. 10, 1935.

CLASS 13

Taps, Beverage dispensing. American Tap-Bush Company. 332,302; Feb. 11; Serial No. 366,699; published Dec. 3, 1935.

CLASS 14

Alloys, Nonferrous. Federated Metals Corporation. 332,407; Feb. 11; Serial No. 370,330; published Dec. 3, 1935.

Metallic sheet material—namely, foil. Reynolds Metals Company Inc. 332,398; Feb. 11; Serial No. 370,628; published Dec. 3, 1935.

Metals and metal castings and forgings. North American Copper Co. 109,186; renewed Mar. 28, 1936.

Steel in bars, billets, and shapes. Carpenter Steel Company. 332,340; Feb. 11; Serial No. 369,523; published Dec. 3, 1935.

Welding electrodes, Metallic. Lincoln Electric Company. 332,374; Feb. 11; Serial No. 356,448; published Dec. 3, 1935.

Wire for wire brushes. Johnson Steel & Wire Co. 332,445; Feb. 11; Serial No. 369,767; published Dec. 3, 1935.

CLASS 15

Gasoline, lubricating oils, and greases. Atlantic Basin Oil Co. Inc. 332,372; Feb. 11; Serial No. 347,328; published June 5, 1934.

Oil and greases, Lubricating. Jacob Brothers, Inc. 332,414; Feb. 11; Serial No. 361,358; published Nov. 19, 1935.

Oil, Lubricating. Shell Oil Company. 332,292; Feb. 11; Serial No. 360,109; published Nov. 5, 1935.

Oils and greases, and lubricating oil and grease compounds, Lubricating. W. R. Arthur & Company. 332,371; Feb. 11; Serial No. 343,963; published Nov. 26, 1935.

Oils, Bunker fuel. Sylvestre Oil Company. 332,303; Feb. 11; Serial No. 369,983; published Dec. 3, 1935.

Oils, gasoline, burning oils, etc., Motor fuel. Leo Corporation. 332,442; Feb. 11; Serial No. 369,850; published Dec. 3, 1935.

CLASS 16

Paint, Industrial. Harrington Paint Co. 332,404; Feb. 11; Serial No. 369,610; published Dec. 3, 1935.

Paint, Prepared. Hartmann, Le Doux, and Maecker. 12,336; re-renewed June 22, 1935.

Paint renewer in the form of a paint or varnish and a furniture polish. W. Becker, Jr. 332,421; Feb. 11; Serial No. 362,155; published Dec. 3, 1935.

Paints, paint enamels, lacquers, etc. Sherwin-Williams Co. 332,410; Feb. 11; Serial No. 370,435; published Dec. 3, 1935.

Paints, paint enamels, stains, etc. Patterson-Sargent Company. 332,357-8; Feb. 11; Serial Nos. 370,423-4; published Dec. 3, 1935.

Polish and floor wax, Furniture. Cardinal Laboratories, Inc. 332,310; Feb. 11; Serial No. 370,072; published Dec. 3, 1935.

CLASS 17

Cigars. Antonio Company. 332,405; Feb. 11; Serial No. 369,558; published Dec. 3, 1935.

Cigars, Cabinet. Estabrook & Eaton Company. 332,329; Feb. 11; Serial No. 368,564; published Dec. 3, 1935.

Cigars, cigarettes, and tobacco. Particulares S. A. 332,324; Feb. 11; Serial No. 368,577; published Dec. 3, 1935.

CLASS 20

Linoleum, floor-cloths, and oil-cloth. Linoleum Manufacturing Company. 108,799; renewed Feb. 29, 1936.

CLASS 22

Bowling pins. Rosatto-Barry-Street Co. 332,307; Feb. 11; Serial No. 370,016; published Dec. 3, 1935.

Game Board. Parker Brothers, Inc. 332,412; Feb. 11; Serial No. 370,999; published Dec. 3, 1935.

Game, Number. Div-vy Amusements, Inc. 332,308; Feb. 11; Serial No. 369,988; published Dec. 3, 1935.
Game, Outdoor. E. E. Hosier. 332,423; Feb. 11; Serial No. 370,183; published Dec. 3, 1935.
Velocipedes, Children's. Colson Corporation. 332,287; Feb. 11; Serial No. 369,154; published Dec. 3, 1935.

CLASS 24

Laundry bags and nets, padding for laundry ironing machines, and presses made of felt, cloth, etc. Merchants Chemical Company. 332,318; Feb. 11; Serial No. 368,265; published Dec. 3, 1935.

CLASS 26

Film, Photographic. Eastman Kodak Co. 106,891; renewed Feb. 14, 1936.

CLASS 29

Brushes, Painters'. J. C. Pushee & Sons. 109,877; renewed Apr. 18, 1936.
Sweepers, furniture dusters, mops, etc., Floor. J. M. Oberti. 332,452; Feb. 11.
Tooth brushes and hair brushes. Pro-phy-lac-tic Brush Company. 332,382; Feb. 11; Serial No. 370,735; published Dec. 3, 1935.

CLASS 31

Freezers, Ice cream. Simmons Hardware Company. 332,381; Feb. 11; Serial No. 370,779; published Dec. 3, 1935.

CLASS 33

Crystals, Watch. Hammel, Riglander & Co. Inc. 332,430; Feb. 11; Serial No. 370,217; published Dec. 3, 1935.

CLASS 34

Air conditioning devices. W. A. Brown. 332,449; Feb. 11.
Burners and oil burning heating stoves and cooking ranges, Oil. Motor Wheel Corporation. 332,330; Feb. 11; Serial No. 367,676; published Dec. 3, 1935.
Ozone generating machines. Electrolaire Corporation. 332,483; Feb. 11; Serial No. 369,990; published Dec. 3, 1935.

CLASS 35

Hose and belting, and composite rubber packing for pistons, Rubber. Bowers Rubber Works. 109,637; renewed Apr. 11, 1936.

CLASS 37

Bank notes, checks, drafts, etc. Deanison & Sons. 332,425; Feb. 11; Serial No. 370,213; published Dec. 3, 1935.
Stapling machines and staples therefor, Ace Fastener Corporation. 332,351; Feb. 11; Serial No. 369,463; published Dec. 3, 1935.
Tablets, Paper. Osborn Paper Company. 110,322; renewed May 16, 1936.
Tissues, Facial. Sterlick Company Inc. 332,379; Feb. 11; Serial No. 370,479; published Dec. 3, 1935.
Tissues, Facial and toilet. Sterlick Company Inc. 332,380; Feb. 11; Serial No. 370,478; published Dec. 3, 1935.

CLASS 38

Photographic prints. A. A. Dearing. 332,462; Feb. 11.

CLASS 39

Aprons and bathing caps. Rand Rubber Company. 332,353; Feb. 11; Serial No. 367,866; published Oct. 29, 1935.
Boots and riding shoes, knitted fabric gloves, etc., Leather riding. Colt-Cromwell Co. 332,341; Feb. 11; Serial No. 368,269; published Nov. 26, 1935.
Boots and shoes. Freeman Shoe Corporation. 332,328; Feb. 11; Serial No. 368,774; published Nov. 12, 1935.
Boots and shoes. International Shoe Co. 332,332; Feb. 11; Serial No. 368,745; published Oct. 29, 1935.
Boots and shoes. International Shoe Co. 332,397; Feb. 11; Serial No. 369,090; published Nov. 26, 1935.
Brassières and foundation garments. Formfit Co. 332,385; Feb. 11; Serial No. 368,929; published Oct. 29, 1935.
Brassières, bandeaux, corsets, etc. Maiden Form Brassiere Company. 332,295; Feb. 11; Serial No. 369,067; published Nov. 12, 1935.
Clothing. Courtaulds, Limited. 110,453; renewed May 23, 1936.
Coats, dresses, hats, etc., Infants'. Saks & Company. 332,366; Feb. 11; Serial No. 368,053; published Oct. 29, 1935.
Coats, shooting jackets, and shooting gloves, Shooting. H. Smith. 332,437; Feb. 11; Serial No. 369,862; published Dec. 3, 1935.
Coats, vests, pants, etc., Men's. Finchley Inc. 332,379; Feb. 11; Serial No. 368,979; published Oct. 29, 1935.
Corsets and bust-bodices, brassieres, and girdles. Soc. Cadolle Freres. 332,413; Feb. 11; Serial No. 358,898; published Oct. 29, 1935.
Dresses, coats, wraps, etc., Women's. Bloomingdale Bros., Inc. 332,327; Feb. 11; Serial No. 368,771; published Nov. 26, 1935.
Dresses, suits, blouses, etc. I. G. Farbenindustrie Aktiengesellschaft. 332,355; Feb. 11; Serial No. 367,825; published Nov. 26, 1935.
Gaiters. E. W. Burt & Company. 110,321; renewed June 12, 1936.
Garters. A. Stein & Company. 108,409; renewed Feb. 8, 1936.
Gloves and mittens. Indianapolis Glove Company. 332,394; Feb. 11; Serial No. 366,619; published Dec. 3, 1935.
Gloves, Ladies' leather. Miss Stores, Inc. 332,391; Feb. 11; Serial No. 368,858; published Nov. 26, 1935.
Hats, B. Rice Corporation. 332,332; Feb. 11; Serial No. 369,758; published Nov. 19, 1935.
Hats and caps, Ladies'. H. Blecher. 332,342; Feb. 11; Serial No. 369,804; published Dec. 3, 1935.
Hats, Ladies' and misses'. Sam-Mar Hat Co. 332,446; Feb. 11; Serial No. 367,819; published Nov. 26, 1935.
Hats, neckties and mufflers, Men's. Romer Hat Corporation. 332,335; Feb. 11; Serial No. 368,666; published Oct. 29, 1935.
Hosiery. Louis Hirsch Textile Machines, Inc. 332,458; Feb. 11.
Mitts, aprons, leggings, etc., Asbestos. Forte Exsmo Corporation. 332,417; Feb. 11; Serial No. 362,412; published Oct. 29, 1935.
Pants, Baby. International Latex Corporation. 332,389; Feb. 11; Serial No. 364,127; published Dec. 3, 1935.
Shoes. Key Shoe Corporation. 332,324; Feb. 11; Serial No. 367,961; published Nov. 12, 1935.
Shoes. Franklin Simon & Co. Inc. 332,317; Feb. 11; Serial No. 368,300; published Oct. 29, 1935.
Shoes. A. Goodman. 332,297; Feb. 11; Serial No. 369,010; published Nov. 26, 1935.
Shoes. Holder, Wiggin & Polan, Inc. 332,289; Feb. 11; Serial No. 369,131; published Dec. 3, 1935.
Shoes. Lansburgh & Bro. 332,283; Feb. 11; Serial No. 369,279; published Nov. 19, 1935.
Shoes. H. A. Meyer. 332,343; Feb. 11; Serial No. 366,900; published Nov. 19, 1935.
Shoes. United States Rubber Products, Inc. 332,362; Feb. 11; Serial No. 367,008; published Dec. 3, 1935.
Shoes and corsets, brassières, etc. L. Malmstad. 332,395; Feb. 11; Serial No. 366,801; published Nov. 12, 1935.
Shoes and hosiery. Shoecraft, Inc. 332,380; Feb. 11; Serial No. 367,440; published Nov. 26, 1935.
Shoes and slippers. Cammeyer Shoe Shops, Inc. 332,354; Feb. 11; Serial No. 368,236; published Nov. 19, 1935.
Shoes, Basket ball. A. G. Spalding & Bros. 332,360; Feb. 11; Serial No. 367,685; published Nov. 12, 1935.
Shoes, Ladies' leather. Rosemont Shoe Co. 332,291; Feb. 11; Serial No. 366,987; published Oct. 29, 1935.
Shoes, Women's. O'Connor & Goldberg. 332,291; Feb. 11; Serial No. 369,097; published Dec. 3, 1935.
Shoes, Women's. O'Connor & Goldberg. 332,294; Feb. 11; Serial No. 369,094; published Dec. 3, 1935.
Shoes, Women's. O'Connor & Goldberg. 332,294; Feb. 11; Serial No. 369,095; published Dec. 3, 1935.
Shoes, Women's. Schoblock Shoe Co. 332,329; Feb. 11; Serial No. 368,458; published Oct. 29, 1935.
Shoes, Women's. Selby Shoe Company. 332,309; Feb. 11; Serial No. 369,717; published Nov. 26, 1935.
Slippers. Florsheim Shoe Company. 332,323; Feb. 11; Serial No. 368,245; published Dec. 3, 1935.
Suits, topcoats, overcoats, raincoats, etc., Boys'. J. Roosenbloom. 332,416; Feb. 11; Serial No. 361,462; published Nov. 5, 1935.
Underwear, Women's. Sussberg & Feinberg, Inc. 332,293; Feb. 11; Serial No. 369,114; published Nov. 12, 1935.

CLASS 40

Buttons. Rochester Button Company. 332,434; Feb. 11; Serial No. 369,806; published Nov. 26, 1935.
Hair curlers, Non-electrical. P. Cunaynaham. 332,325; Feb. 11; Serial No. 368,856; published Dec. 3, 1935.
Hair curling irons and hair waving irons, Non-electrical. Firma E. A. Nelke. 332,390; Feb. 11; Serial No. 369,137; published Nov. 26, 1935.
Needles, knitting pins and needles, crochet hooks etc. John Thorpton & Company. 332,316; Feb. 11; Serial No. 368,215; published Nov. 12, 1935.
Shields, Dress. I. E. Kleinert Rubber Company. 332,442; Feb. 11; Serial No. 369,811; published Dec. 3, 1935.
Shields, Dress. I. E. Kleinert Rubber Company. 332,443-4; Feb. 11; Serial Nos. 369,809-10; published Dec. 3, 1935.
Shields, Dress. Rand Rubber Company. 332,400; Feb. 11; Serial No. 369,586; published Nov. 26, 1935.
Wrist watch straps of leather. Cowen Bros. 332,367; Feb. 11; Serial No. 362,910; published Nov. 19, 1935.

CLASS 42

Fabrics, automobile blankets and robes, etc. Botany Worsted Mills. 332,411; Feb. 11; Serial No. 368,530; published Nov. 19, 1935.
Piece goods. Wilmerding & Bisset. 332,326; Feb. 11; Serial No. 368,722; published Nov. 19, 1935.
Piece goods, Osnaburg. Pacific Mills. 332,290; Feb. 11; Serial No. 369,031; published Nov. 5, 1935.
Sheets and pillow cases. Pepperell Manufacturing Company. 332,347; Feb. 11; Serial No. 369,573; published Nov. 19, 1935.
Silk piece goods. Connecticut Lace Works, Inc. 332,323; Feb. 11; Serial No. 367,153; published Nov. 19, 1935.
Taffeta. Charles Bloom, Inc. 332,331; Feb. 11; Serial No. 367,705; published Nov. 26, 1935.
Towels. Manhattan Knit Co. 332,301; Feb. 11; Serial No. 358,959; published Nov. 19, 1935.
Veil cloths, Bridal and corsage. Marie Darros Inc. 332,436; Feb. 11; Serial No. 362,944; published Nov. 26, 1935.
Voiles. H. E. Mallinson & Co. 110,754; renewed June 12, 1936.
Wool and cotton piece goods fabrics. Continental Mills, Inc. 332,300; Feb. 11; Serial No. 369,529; published Nov. 26, 1935.
Woolen piece goods. Forstmann Woolen Co. 332,322; Feb. 11; Serial No. 369,402; published Nov. 19, 1935.

Woolen piece goods. Stonekirk Worsted Company. 332,342; Feb. 11; Serial No. 368,490; published Oct. 29, 1935.

CLASS 44

Abrasive implements for manicuring the nails. H. C. Bates. 332,435; Feb. 11; Serial No. 369,906; published Dec. 3, 1935.
Appliances for sterilising the atmosphere. W. & F. Walker Limited. 332,427; Feb. 11; Serial No. 370,207; published Dec. 3, 1935.
Droppers and atomizers. Stanco Incorporated. 332,407; Feb. 11; Serial No. 370,905; published Dec. 3, 1935.
Ear drum protectors. J. Cohn. 332,288; Feb. 11; Serial No. 369,125; published Dec. 3, 1935.
Fibrous packing strips for dental use. L. D. Caulk Company. 332,428; Feb. 11; Serial No. 370,245; published Dec. 3, 1935.
Physiotherapeutic devices. P. M. Thomas. 332,264; Feb. 11; Serial No. 370,281; published Dec. 3, 1935.

CLASS 45

Beverages, Maltless fruit juice. Mission Dry Corporation. 332,424; Feb. 11; Serial No. 370,104; published Dec. 3, 1935.
Sarsaparilla, root-beer, flavoring-syrups, etc. E. A. Zatarain. 108,280; renewed Jan. 28, 1936.
Syrups for soft drinks and as mixers, Maltless. S. H. Rykoff & Company. 332,361; Feb. 11; Serial No. 370,363; published Dec. 3, 1935.

CLASS 46

Bacon, hams, and picnic hams. Rath Packing Company. 332,375; Feb. 11; Serial No. 356,378; published Dec. 3, 1935.
Bread. Gold Medal Baking Company. 332,373; Feb. 11; Serial No. 345,295; published Aug. 6, 1935.
Bread. Sta-Klean Bakery, Inc. 110,383; renewed May 16, 1936.
Bread, Raisin. Sun-Maid Raisin Growers of California. 332,387; Feb. 11; Serial No. 368,570; published Dec. 3, 1935.
Butter. Beatrice Creamery Company. 332,362; Feb. 11; Serial No. 370,323; published Dec. 3, 1935.
Butter. Lowry-Rodgers Company. 332,439; Feb. 11; Serial No. 369,853; published Dec. 3, 1935.
Candy. G. P. Ballachey. 332,315; Feb. 11; Serial No. 368,023; published Dec. 3, 1935.
Candy. L. L. Spear. 332,309; Feb. 11; Serial No. 370,067; published Dec. 3, 1935.
Candy and ice-cream. United Cigar Stores Co. 108,070; renewed Jan. 21, 1936.
Canned corn. F. O. Mitchell & Bro. 110,762; renewed June 13, 1936.
Canned corned beef, and canned corned beef hash. Rath Packing Company. 332,345; Feb. 11; Serial No. 365,661; published Dec. 3, 1935.
Canned fish. International Brokerage Company. 332,363; Feb. 11; Serial No. 369,584; published Dec. 3, 1935.
Canned fruits, canned shrimp, fruit cocktail, etc. Gerber Bros. 332,420; Feb. 11; Serial No. 362,331; published Dec. 3, 1935.
Canned mixture of spiced pork and beef. Rath Packing Company. 332,346; Feb. 11; Serial No. 365,660; published Dec. 3, 1935.
Canned vegetables. Bercut Richards Packing Company. 332,285; Feb. 11; Serial No. 369,177; published Dec. 3, 1935.
Canned vegetables. E. A. Craddock. 332,370; Feb. 11; Serial No. 368,975; published Dec. 3, 1935.
Catsup and tomato puree, chile sauce, etc., Tomato. N. W. Stewart. 332,356; Feb. 11; Serial No. 368,157; published Dec. 3, 1935.
Cereal, Wheat. J. H. Filer & Company. 332,450; Feb. 11.
Coffee. Gulf City Coffee Company. 109,456; renewed Apr. 11, 1936.
Coffee. KaKoo Hag Corporation. 108,938; renewed Mar. 7, 1936.
Coffee. Standard Brands Incorporated. 332,431; Feb. 11; Serial No. 369,935; published Dec. 3, 1935.
Crackers, biscuit, wafers, etc. American Bakeries Co. 106,924; renewed Nov. 9, 1935.
Feed, Dairy. International Sugar Feed Co. 110,423; renewed May 23, 1936.
Flour, Rye. Federal Milling Company. 109,528; renewed Apr. 11, 1936.
Flour, Wheat. Dobry Flour Mills, Inc. 332,382-4; Feb. 11; Serial Nos. 368,923-4; published Dec. 3, 1935.
Flour, Wheat. Dobry Flour Mills, Inc. 332,383; Feb. 11; Serial No. 368,922; published Dec. 3, 1935.
Food, Dietary reducing. Corrective Foods Corporation. 332,368; Feb. 11; Serial No. 364,803; published Dec. 3, 1935.
Foods. Groneweg & Schoentgen Co. 107,845; renewed Dec. 28, 1935.
Foods. E. A. Zatarain. 108,759; renewed Feb. 22, 1936.
Fruit, Fresh citrus. Anaheim Community Growers. 332,282; Feb. 11; Serial No. 369,322; published Dec. 3, 1935.
Fruit, Fresh citrus. Anaheim Community Growers. 332,349; Feb. 11; Serial No. 369,323; published Dec. 3, 1935.
Fruits, Citrus. Crutchfield & Woolfolk. 108,159; renewed Jan. 18, 1936.
Fruits, Fresh citrus. Polk Packing Ass'n. 332,461; Feb. 11.
Grapes, Fresh. A. Bianchi. 332,311; Feb. 11; Serial No. 370,079; published Dec. 3, 1935.
Juices, Fruit. Mission Dry Corporation. 332,441; Feb. 11; Serial No. 369,820; published Dec. 3, 1935.
Preparation adapted to be mixed with other ingredients in making icing. Hartung Brothers. 332,460; Feb. 11. Class 46.
Sardines, Brisling. Romanoff Caviar Company. 332,306; Feb. 11; Serial No. 370,065; published Dec. 3, 1935.
Tea. Peerless Coffee Company. 332,286; Feb. 11; Serial No. 369,166; published Dec. 3, 1935.
Vegetables, Fresh. J. A. Simmons, Inc. 332,314; Feb. 11; Serial No. 370,125; published Dec. 3, 1935.

CLASS 47

Wines. Brocton Wine Cellars, Inc. 332,401; Feb. 11; Serial No. 370,541; published Dec. 3, 1935.
Wines. Franck & Co. 332,377; Feb. 11; Serial No. 368,930; published Dec. 3, 1935.
Wines. L. M. Goldberg. 332,348; Feb. 11; Serial No. 369,355; published Dec. 3, 1935.
Wines. Mon-Ami, Incorporated. 332,337; Feb. 11; Serial No. 368,828; published Dec. 3, 1935.

CLASS 50

Advertising devices. Advertising Motion Display Co. 332,454; Feb. 11.
Christmas tree decorations. Kuhmarker Waxed Paper Co. Inc. 332,402; Feb. 11; Serial No. 370,517; published Dec. 3, 1935.
Kits comprising loom and accessories. Elliot, Greene & Co. 332,463; Feb. 11.

LIST OF LABELS

Beech-Nut Spaghettini. For Spaghettini. Beech-Nut Packing Company. 47,019; Feb. 11.
Bradway Chocolate Syrup. For Chocolate Sirup. Bradway Chocolate Co. 47,023; Feb. 11.
Extruded Roller-Forged Engineering Tube. For Engineering Tubes. Revere Copper and Brass Incorporated. 47,032; Feb. 11.
Golden Mist. For Wines. Golden Mist Wine Co. 47,024; Feb. 11.
Guest Decanter, Old Mr. Boston. For Dry Gin. Ben-Burk, Inc. 47,020; Feb. 11.
Guest Decanter, Old Mr. Boston. For Orange Gin. Ben-Burk, Inc. 47,021; Feb. 11.
Guest Decanter, Old Mr. Boston. For Sloe Gin. Ben-Burk, Inc. 47,022; renewed Feb. 11.
Hitschler's Top Creameries. For Butter. John J. Hitschler & Son. 47,025; Feb. 11.
Johnson's Glo-Coat. For No Rubbing Floor Polish. S. C. Johnson & Son. 47,026; Feb. 11.
Johnson's Powdered Dance Wax. For Powdered Dance Wax. S. C. Johnson & Son, Inc. 47,028; Feb. 11.
Johnson's Prepared Paste Wax. For Prepared Paste Wax. S. C. Johnson & Son, Inc. 47,027; Feb. 11.
Kemp's Thin Mints. For Mint Candies. H. F. Kemp, Inc. 47,029; Feb. 11.
Oriental Rings. For a Solid, Annular Ring Product of Compressed, Vaporized Product for Killing Moths. Lowy Chemical Co. 47,031; Feb. 11.
Table-Tested Bread. For Bread. L. V. Kolby. 47,030; Feb. 11.

LIST OF PRINTS

Kitchen Klenser Thriftee Bank. For Thrift and Savings Banks. Fitzpatrick Bros. Inc. 15,570; Feb. 11.
Nothing Over 15¢. For Heel Lifts and Rubber Heels. Red Star Shoe Repairing Company. 15,572; Feb. 11.
Tape Kills Snails. For a Preparation for Killing Snails. Pacific Guano Company. 15,571; Feb. 11.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF FEBRUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bostem, Frank G., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Emergency lighting system. 19,848; Feb. 11.

Cunningham, George L., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of chlorine dioxide. 19,849; Feb. 11.

Cutler-Hammer, Inc. (See Stansbery, Carroll, assignor.)

Electric Storage Battery Company, The. (See Bostem, Frank G., assignor.)

Frink, Frederick W., Schenectady, N. Y., assignor to General Electric Company. Electric power converting apparatus. 19,850; Feb. 11.

Galligan, Joseph W. (See Kinney, E. A., and Galligan.)

General Electric Company. (See Frink, Frederick W., assignor.)

Gulbertson Corporation, The. (See Standlee, Harvey R., assignor.)

Kinney, Edward A., Watertown, and J. W. Galligan, Jamaica Plain, Boston, Mass. Radio program selecting apparatus. 19,851; Feb. 11.

Mathieson Alkali Works, Inc., The. (See Cunningham, George L., assignor.)

Standlee, Harvey R., Tulsa, Okla., assignor to The Gulbertson Corporation, Dallas, Tex. Well spider. 19,852; Feb. 11.

Stansbery, Carroll, Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor controller. 19,853; Feb. 11.

LIST OF DESIGN PATENTEES

American Lead Pencil Company. (See Jucius, David, assignor.)

American Stove Company. (See Stockstrom, A., and Brodbeck, assignors.)

Bach, Alfons, New York, N. Y., assignor to Bigelow Sanford Carpet Co., Inc. Rug. 98,489; Feb. 11.

Baldwin Company, The. (See Day, Wilbur M., assignor.)

Barker Bros. Incorporated. (See Pumphrey, Marshall C., assignor.)

Bay State Optical Company. (See Nerney, George E., assignor.)

Bennett, Arthur J., Cambridge, Ohio. Goblet or similar article. 98,490; Feb. 11.

Bigelow Sanford Carpet Co. (See Bach, Alfons, assignor.)

Bischof, George, New York, N. Y. Embroidered textile fabric. 98,491; Feb. 11.

Block, Claudia, New York, N. Y. Dress or similar article. 98,492; Feb. 11.

Bowker, William, Newark, and R. F. Piperoux, Radburn, N. J., assignors to Celluloid Corperation. Fountain pen. 98,493; Feb. 11.

Boysen, George D., Philadelphia, Pa. Lace. 98,494; Feb. 11.

Brischo, James F., Columbus, Ohio. Projector or article of similar nature. 98,495; Feb. 11.

Britton, Edward J., assignor to St. Louis Pencil Company, St. Louis, Mo. Pencil. 98,496; Feb. 11.

Brodbeck, Almer H. (See Stockstrom, A., and Brodbeck.)

Brunswick-Balke-Collender Company, The. (See Leecase, William, assignor.)

Carr-Lowrey Glass Co. (See Leach, Walter R., assignor.)

Celluloid Corporation. (See Bowker, W., and Piperoux, assignors.)

Celluloid Corporation. (See Hill, John, assignor.)

Clarke, Charles E., Cranston, R. I. Treatment tub. 98,497; Feb. 11.

Clements, Orley D., Elmwood, Nebr. Miniature post office building unit. 98,498; Feb. 11.

Continental Ceramics Corporation. (See Wood, Harry F., Jr., assignor.)

Cushman, H. T., Mfg. Co. (See De Vries, Herman E., assignor.)

Day, Wilbur M., assignor to The Baldwin Company, Cincinnati, Ohio. Piano case. 98,499; Feb. 11.

Deering Milliken & Co. (See Landry, William A., assignor.)

De Vries, Herman E., New York, N. Y., assignor to H. T. Cushman Mfg. Co., North Bennington, Vt. Combined handle and front drawer panel. 98,500; Feb. 11.

E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)

Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 98,501; Feb. 11.

Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 98,502; Feb. 11.

Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 98,503; Feb. 11.

Ennever, Harry, Harrington Park, N. J. Ketchup bottle. 98,504; Feb. 11.

Fellows, Harrison R., assignor to Webster Electric Company, Racine, Wis. Fuel supply unit for oil burners. 98,505; Feb. 11.

Freysinger, John B., New Britain, Conn. Buckle. 98,507; Feb. 11.

Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Book end. 98,506; Feb. 11.

Galanti, Robert, Elmhurst, N. Y. Accordion. 98,508; Feb. 11.

General Fibre Products, Incorporated. (See Hamerstadt, William D., assignor.)

Goldberg, Leon, New York, N. Y. Shoe. 98,509; Feb. 11.

Grossman, Emanuel, Brooklyn, N. Y. Sandal. 98,510; Feb. 11.

Hafner, August, Flushing, N. Y. Textile fabric. 98,511; Feb. 11.

Hamerstadt, William D., assignor to General Fibre Products, Incorporated, Indianapolis, Ind. Mounting for a pulley-carrying motor. 98,512; Feb. 11.

Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Doily. 98,513; Feb. 11.

Helander, Lillian V. M., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 98,514; Feb. 11.

Helfgott, Leo B., Brightwaters, N. Y. Sweater or similar article. 98,566; Feb. 11.

Hill, John, Hillside, N. J., assignor to Celluloid Corporation. Fountain pen. 98,515; Feb. 11.

Hill, John, Hillside, N. J., assignor to Celluloid Corporation. Fountain pen. 98,516; Feb. 11.

Hoffmann, Wolfgang, Batavia, assignor to The Howell Company, St. Charles, Ill. Lounge chair. 98,517; Feb. 11.

Hoffmann, Wolfgang, Batavia, assignor to The Howell Company, St. Charles, Ill. Lounge chair. 98,518; Feb. 11.

Hoffmann, Wolfgang, Batavia, assignor to The Howell Company, St. Charles, Ill. Fitting stool. 98,519; Feb. 11.

Horwich, Joe, et al. (See Silverstein, Raymond, assignor.)

Houser, Alfred C., Highland Park, assignor to Rosenow Company, Chicago, Ill. Spectacle frame. 98,520; Feb. 11.

Howell Company, The. (See Hoffmann, Wolfgang, assignor.)

Hulbert, Robert C., Los Angeles, Calif. Radio cabinet. 98,521; Feb. 11.

International Silver Company. (See Helander, Lillian V. M., assignor.)

Jucius, David, Brooklyn, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J. Pencil. 98,522; Feb. 11.

Karlsberger, Louis F., assignor to P. A. Oelgoetz, Columbus, Ohio. Restaurant building. 98,523; Feb. 11.

Kaup, Fred H., and F. H. Kinyoun, Omaha, Nebr. Freezing device for edibles. 98,524; Feb. 11.

Kinyoun, Floyd H. (See Kaup, F. H., and Kinyoun.)

Koeller, Walter F., assignor to Free-To-Fill Products Company, Chicago, Ill. Tobacco pouch. 98,525; Feb. 11.

Koogler, Oscar A., assignor to The Midwest Tool & Engineering Company, Dayton, Ohio. Table. 98,526; Feb. 11.

Kraeft, Herman L., Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Velocipede. 98,527; Feb. 11.

Kranz, Philip, and A. P. Schmid, assignors to B. Wilmsen, Philadelphia, Pa. Christmas tree ornament. 98,528; Feb. 11.

Kranz, Philip, and A. P. Schmid, assignors to B. Wilmsen, Philadelphia, Pa. Christmas tree ornament. 98,529; Feb. 11.

Landry, William A., White Plains, N. Y., assignor to Deering Millikan & Co., Incorporated, Manhattan, N. Y. Textile fabric. 98,536; Feb. 11.
Leach, Walter E., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 98,531; Feb. 11.
Leocase, William, New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Pocket billiard table. 98,533; Feb. 11.
Lewis, Semon S., New York, N. Y. Folding floor screen. 98,532; Feb. 11.
Lumbleau, Walter J., Los Angeles, Calif. Motion picture film viewing machine. 98,534; Feb. 11.
Lumbleau, Walter J., Los Angeles, Calif. Motion picture film viewing machine. 98,535; Feb. 11.
Maher, Elizabeth M., New York, N. Y., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hand brush. 98,530; Feb. 11.
Mascall, Joseph, New York, N. Y. Shoe. 98,537; Feb. 11.
Mayshoff, Delmar M., Norwalk, Conn. Dress. 98,538; Feb. 11.
McCartney, Will C., Cambridge, Ohio. Goblet or similar article. 98,539; Feb. 11.
Meyer, Bernard, New York, N. Y. Hanger or similar article. 98,540; Feb. 11.
Meyerhoefer, Carl E., New York, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Fan guard or similar article. 98,541; Feb. 11.
Meyers, Wallace E., New York, N. Y. Glove. 98,567; Feb. 11.
Midwest Tool & Engineering Company, The. (See Kooger, Oscar A., assignor.)
Milwaukee Lace Paper Company. (See Hamilton, Kenneth C., assignor.)
Minoff, Jack, Brooklyn, N. Y. Knitted fabric. 98,542; Feb. 11.
Murray-Ohio Manufacturing Company, The. (See Kraeft, Herman L., assignor.)
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Endpiece for an ophthalmic mounting. 98,543; Feb. 11.
Oelgoetz, F. A. (See Karlsberger, Louis F., assignor.)
Owens-Illinois Glass Company. (See Fuerst, Edwin W., assignor.)
Piperoux, Rene P. (See Bowker, W., and Piperoux.)
Press-To-Fill Products Company. (See Koeller, Walter P., assignor.)
Price, David W., New York, N. Y. Dress. 98,544; Feb. 11.
Pro-phy-lac-tic Brush Company. (See Maher, Elizabeth M., assignor.)
Pumphrey, Marshall C., assignor to Barker Bros. Incorporated, Los Angeles, Calif. Chair. 98,545; Feb. 11.
Pumphrey, Marshall C., assignor to Barker Bros. Incorporated, Los Angeles, Calif. Sofa or similar article. 98,546; Feb. 11.
Putman, Solomon, Newark, N. J. Buckle. 98,547; Feb. 11.
Rosen, Harold, et al. (See Silverstein, Raymond, assignor.)
Rosenow Company. (See Hosmer, Alfred C., assignor.)
St. Louis Pencil Company. (See Britton, Edward J., assignor.)
Schick, Jacob, Stamford, Conn. Handle for dry shavers. 98,548; Feb. 11.
Schmid, Albert F. (See Kraus, P., and Schmid.)
Sharp, Ruth C., Islip, N. Y. Mirror floral display device. 98,549; Feb. 11.
Silverstein, Raymond, assignor of one-third to H. Rosen and one-third to J. Horwich, Chicago, Ill. Radio cabinet or similar article. 98,550; Feb. 11.
Simmons Company. (See Stuart, Charles A., assignor.)
Smith, G. Edwin, Shoe Company, The. (See Weidner, William, assignor.)
Stanley Works, The. (See Stowell, Austin L., assignor.)
Stern, Irving H., Boston, Mass. Combined toilet cabinet and bureau or the like. 98,551; Feb. 11.
Stewart, Raymond F., South Pasadena, Calif. Portable radio cabinet or similar article. 98,552; Feb. 11.
Stockstrom, Arthur, and A. H. Brodbeck, assignors to American Stove Company, St. Louis, Mo. Range. 98,553; Feb. 11.
Stowell, Austin L., assignor to The Stanley Works, New Britain, Conn. Casing for flexible measuring rules. 98,554; Feb. 11.
Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Back rest for a studio couch or similar article of furniture. 98,555; Feb. 11.
Walker, Alex, New York, N. Y. Pull tab for slide fasteners. 98,556; Feb. 11.
Webster Electric Company. (See Fellows, Harrison E., assignor.)
Weidner, William, New York, N. Y., assignor to The G. Edwin Smith Shoe Company, Columbus, Ohio. Shoe. 98,557; Feb. 11.
Weis, John P., Nyack, N. Y. Sewing machine casing. 98,558; Feb. 11.
Wilkinson, Ellis H., Pottstown, Pa. Water heater cabinet. 98,559; Feb. 11.
Wilmsen, Bernard. (See Kraus, P., and Schmid, assignors.)
Winter, Arthur, Weehawken, N. J. Fountain pen or similar article. 98,560; Feb. 11.
Wood, Harry F., Jr., Burslem, England, assignor to Continental Ceramics Corporation, New York, N. Y. Plate or similar article. 98,561; Feb. 11.
Wood, Harry F., Jr., Burslem, England, assignor to Continental Ceramics Corporation, New York, N. Y. Plate or similar article. 98,562; Feb. 11.
Wymer, George E., Dayton, Ohio. Combination ash tray, cigarette holder, and smoker. 98,563; Feb. 11.
Zeitlin, Joseph, New York, N. Y. Candlelight or similar article. 98,564; Feb. 11.
Zeitlin, Joseph, New York, N. Y. Candlelight or similar article. 98,565; Feb. 11.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF FEBRUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aamodt, Thoralf, Westerleigh, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tuned vibrating system. 2,030,421; Feb. 11.
Abadie, Jean-Baptiste J. M., Paris, France. Device for applying luminescent tubes to power transmission lines. 2,030,491; Feb. 11.
Abrahams, Jacob M. (See Gottschalk, M., and Abrahams.)
Abrams, John M., Brooklyn, N. Y. Safetypin. 2,030,674; Feb. 11.
Adams, James L., Jr., Youngstown, Ohio. Screw pump. 2,030,560; Feb. 11.
Ad-Here Paper Company. (See Carpenter, Harry E., assignor.)
Adolf, Gustav. (See Haas, J., and Adolf.)
Aeckerle, Emil, assignor to the firm Chemische Fabrik Joh. A. Benckiser G. m. b. H., Ludwigshafen-on-the-Rhine, Germany. Making anhydrous citric acid. 2,030,419; Feb. 11.
Agfa Ansco Corporation. (See Ulrich, H., and Saurwein, assignors.)
Ahlenius, Marie, assignor of one-third to M. H. Herman, Chicago, Ill. Punching device. 2,030,846; Feb. 11.
Allen, Herbert, Houston, assignor, by mesne assignments, to Stephens Pump Company, Round Rock, Tex. Pump. 2,030,041; Feb. 11.
Allis-Chalmers Manufacturing Company. (See Hedtke, Joseph B., assignor.)
Allis-Chalmers Manufacturing Company. (See Sillers, Thomas G. A., assignor.)
American Automatic Devices Co. (See Howard, Frank C., assignor.)
American Brass Company, The. (See Maxwell, James C. G., assignor.)
American Cyanamid Company. (See Watson, Philip B., assignor.)
American Laundry Machinery Company, The. (See Johnson, George W., assignor.)
American Oxythermic Corporation. (See Frisch, Mathias, assignor.)
American Sealcone Corporation. (See Winton, Lewis B., assignor.)
American Seating Company. (See Barrett, Glenn J., assignor.)
American Slicing Machine Company. (See Campbell, William J., assignor.)
American Steel Foundries. (See Lamont, John A., assignor.)
American Steel Foundries. (See Oelkers, Alfred H., assignor.)
American Steel & Wire Company. (See Cosmos, Frank, assignor.)
American Swiss Company, The. (See Eichmyer, Holden W., assignor.)
American Telephone and Telegraph Company. (See Potter, Ralph K., assignor.)
American Type Founders Company. (See Kelly, William M., assignor.)
American Window Glass Company. (See Dennis, Edie, assignor.)
Anderau, Walter, Basel, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Colored oxide film of aluminium. 2,030,256; Feb. 11.
Anderson, Roy F., Auburn, assignor, by mesne assignments, to Indianapolis Corporation, Indianapolis, Ind. Window for vehicles. 2,030,089; Feb. 11.
Anderson, William C. (See Stanley, E., and Anderson.)
Andrew, Victor J., Upper Montclair, N. J., assignor to Westinghouse Lamp Company. X-ray tube. 2,030,561; Feb. 11.
Angel, Karl, Montreal, Quebec, Canada. Internal combustion engine. 2,030,732; Feb. 11.
Anthony, Benjamin F. (See Burich, R. H., and Anthony.)
Apple, Edward M., executors of, et al. (See Apple, Vincent G.)
Apple, Herbert F., executors, et al. (See Apple, Vincent G.)
Apple, Vincent G., deceased, by H. F. Apple, E. M. Apple and G. Darroch, executors, Dayton, Ohio. Mold for making commutators. 2,030,132; Feb. 11.
Applebaum, David, Los Angeles, Calif. Glow tube control system. 2,030,402; Feb. 11.
Arbuckle, Samuel F., and G. H. Coulter, Highland Park, assignor to United Lens Corporation, Detroit, Mich. Lighting system and apparatus. 2,030,620; Feb. 11.
Ard, Charles E., Birmingham, Ala., assignor to F. C. Fantz, Webster Groves, Mo. Return bend for cracking stills. 2,030,496; Feb. 11.
Arey, Fred C., Oak Park, Ill., and De L. B. Illmer, Jr., Du Bois, Pa., assignors to Vulcan Soot Blower Corporation. Swinging soot blower. 2,030,618; Feb. 11.
Arkenburgh, Weber H., Schenectady, N. Y., assignor to General Electric Company. Block signal system. 2,030,675; Feb. 11.
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Superheater. 2,030,422; Feb. 11.
Armstrong, Merton C., assignor to The Sterling Siren Fire Alarm Company Inc., Rochester, N. Y. Signaling device. 2,030,732; Feb. 11.
Armstrong, Robert R., Rochdale, Ind. Camera. 2,030,775; Feb. 11.
Arnold, Arthur A., assignor to The A. C. Gilbert Company, New Haven, Conn. Bearing structure. 2,030,192; Feb. 11.
Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Refrigerating system. 2,030,676; Feb. 11.
Atmospheric Nitrogen Corporation. (See Brown, Ralph L., assignor.)
Atmospheric Nitrogen Corporation. (See De Rewal, Frank J., assignor.)
Austin, Oaias, Brooklyn, N. Y. Apparatus for decorating objects. 2,030,042; Feb. 11.
Austin, William E., New York, N. Y., assignor to Bank of The Manhattan Company. Alkyl resorcinols. 2,030,423; Feb. 11.
Auto Headlight Signal Company. (See Moffat, Walter A., assignor.)
Automatic Shifters, Inc. (See Hill, E. G., and Hey, assignors.)
Avels, Albert E., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Doorlock. 2,030,677; Feb. 11.
Beede, William G., Woodland, assignor of one-third to C. C. McDonald and one-third to J. A. Murray, Woodland, Calif. Direction signal for vehicles. 2,030,043; Feb. 11.
Babcock & Wilcox Company, The. (See Harter, Isaac, assignor.)
Bacigalupi, Edgar J., Red Bank, N. J. Sand trap rake. 2,030,424; Feb. 11.
Back, William E., Oulton Broad, England. Toy aeroplane. 2,030,347; Feb. 11.
Baird, Dudley, Berkeley, Calif., assignor to Nichols Copper Company, New York, N. Y. Furnace construction. 2,030,734; Feb. 11.
Baker, George M. (See Van Vorst, J., and Baker.)
Baker, Thomas T., Hatch End, Middlesex, assignor to Dufaycolor Limited, London, England. Color photography. 2,030,163; Feb. 11.
Bank of The Manhattan Company. (See Austin, William E., assignor.)
Barck, Julia C., et al. (See Slattengren, Henry A., assignor.)
Barnes, Gladeon M., United States Army, Hastings, Mich. Emplacing member for gun carriages and mounts. 2,030,051; Feb. 11.
Barnes, Hope, executrix. (See Barnes, J. S., and Guiri.)
Barnes, John S., deceased, by H. Barnes, executrix, and P. E. Guiri, assignors to W. F. & John Barnes Company, Rockford, Ill. Metal working apparatus. 2,030,563; Feb. 11.
Barnes, Lawrence J., Dee Why, New South Wales, Australia. Strap fastener. 2,030,543; Feb. 11.
Barnes, W. F. & John, Company. (See Barnes, J. S., and Guiri, assignors.)
Barrett Company, The. (See Ellms, Edward H., assignor.)
Barrett Company, The. (See Miller, Stuart P., assignor.)
Barrett, Glenn J., assignor to American Seating Company, Grand Rapids, Mich. Desk. 2,030,348; Feb. 11.
Berthold, Erich. (See Nawiasky, P., Stein, Berthold, and Zeil.)
Baruch, Sydney M., New York, N. Y., assignor to Radio Corporation of America. Phase controlled oscillating system. 2,030,009; Feb. 11.
Batcick Company, The. (See Herold, Walter F., assignor.)
Baxter, Berry A., assignor to G. C. Baxter, Altadena, Calif. Vacuum cleaner. 2,030,128; Feb. 11.
Baxter, Gladys G. (See Baxter, Berry A., assignor.)
Beal, Walter H., trustees, et al. (See Starkey, William C., assignor.)
Beck, Ernest J., and C. A. Van Derzee, Michigan City, Ind., and E. Karpen, Chicago, Ill., assignors to S. Karpen & Bros. Revolving car seat. 2,030,621; Feb. 11.
Becker, Edmund H. (See Martus, M. L., Becker, and Rost.)

Beers, Joseph L. (See Beniston, W. J., and Beers.)
Bephetti, Peter, San Francisco, Calif. Printing stamp. 2,030,044; Feb. 11.
Behringer, Frances, New York, N. Y. Infant's garment. 2,030,061; Feb. 11.
Belcher, Warren J., West Hartford, Conn., assignor to The Whitney Chain & Mfg. Company. Chain. 2,030,829; Feb. 11.
Bell, John C. (See Brittain, R. J., Jr., and Bell.)
Bell Telephone Laboratories, Incorporated. (See Aamodt, Thoralf, assignor.)
Bell Telephone Laboratories, Incorporated. (See Morton, Edmund E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Roscue, Victor E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stearn, Franklin A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Vibbard, Edward L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Williams, Samuel B., assignor.)
Bell, Walter H., New York, N. Y. Tank washing and watering device. 2,030,194; Feb. 11.
Belshaw, Charles F., and W. J. La Casse, Duluth, Minn., assignors to The Coolerator Company. Ice cuber. 2,030,735; Feb. 11.
Belveal, Sherman, Delphos, Kans. Combined coupling and suspension device. 2,030,779; Feb. 11.
Bendix Aviation Corporation. (See Smith, Stuyvesant C., assignor.)
Bendix Products Corporation. (See Dessart, Jean, assignor.)
Beniston, William J., Sesford, N. Y., and J. L. Beers, Bloomfield, N. J., assignors to Julius Kayser & Company, Brooklyn, N. Y. Speed indicator and tension regulator for warp knitting machines. 2,020,126; Feb. 11.
Benoit, Leon, New York, N. Y. Cushion support for eggs and the like. 2,030,564; Feb. 11.
Benson, Ralph L., Toledo, Iowa, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic dishwasher. 2,030,092; Feb. 11.
Bergman, Sven E., Nahant, Mass., assignor to General Electric Company. Dynamo electric machine. 2,030,678; Feb. 11.
Bernitz, Ernest, Fr., La Mesa, assignor of one-half to W. A. Smith, Vista, Calif. Apparatus for ridding trees of insects. 2,030,052; Feb. 11.
Bicknell, Ralph N., Bangor, Maine. Refrigerating display cabinet. 2,030,780; Feb. 11.
Bilde, Tord E. D., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,030,565; Feb. 11.
Billings & Spencer Company, The. (See Coyle, John H., assignor.)
Billings & Spencer Company, The. (See Moore, Walter E., assignor.)
Billings, Wilfred A., Shrewsbury, Mass. Trench digger and back-filling machine. 2,030,045; Feb. 11.
Bireley, Bertha M., and C. E. Bireley, Hollywood, Calif. Cleaning device. 2,030,494; Feb. 11.
Bireley, Charles E. (See Bireley, Bertha M. and C. E.)
Bley, Rudolph S., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Producing diethine-rayon. 2,030,736; Feb. 11.
Bley, Rudolph S., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Cellulosic spinning solutions containing aromatic silicon derivatives. 2,030,737; Feb. 11.
Bley, Rudolph S., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Cellulosic spinning solutions containing aliphatic silicon compounds. 2,030,738; Feb. 11.
Bley, Rudolph S., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Producing silicon-rayon. 2,030,739; Feb. 11.
Bley, Rudolph S., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Softluster rayon. 2,030,740; Feb. 11.
Blok, Lourens, Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge lamp device. 2,030,426; Feb. 11.
Blomberg, Martin P. (See Mussey, W. H., and Blomberg.)
Bloss, Richard R., Columbus, Ohio, assignor to International-Stacey Corporation, Columbus, Ohio. Crank counterbalance. 2,030,046; Feb. 11.
Blume, Louis F., Pittsfield, Mass., assignor to General Electric Company. Protection of electric circuits. 2,030,679; Feb. 11.
Bodenweiser, Aaron, assignor to Rotary Brush Company, Chicago, Ill. Advertising display device. 2,030,680; Feb. 11.
Bodine, Walton M., Kansas City, Mo. Article display and conveying equipment. 2,030,741; Feb. 11.
Boehringer, C. F., & Soehne G. m. b. H. (See Müller, H., Schenck, and Wirbatz, assignors.)
Boeing Airplane Company. (See Haberlin, John F., assignor.)
Bommer, Max. (See Hauser, H., and Bommer.)
Bomster, Cyril I. (See Rivard, L. I., and Bomster.)
Bonniksen, Cyril W., Leamington Spa, England. Production of films. 2,030,566; Feb. 11.
Bonsagni, Leo A., Brookline, and A. Govoni, Somerville, Mass., Combination broiler and toaster. 2,030,047; Feb. 11.
Boorum & Pease Company. (See Rickert, John J., assignor.)
Bousquet, Euclid W., G. D. Graves, and P. L. Salzberg, Wilmington, Del., assignors, by mesne assignments, to The Grasselli Chemical Company, Cleveland, Ohio. Parasiticide. 2,030,093; Feb. 11.
Bowen, Edson R., Greenwich, assignor to The Pate-Root-Heath Company, Plymouth, Ohio. Tractor plow. 2,030,847; Feb. 11.
Boykin, Burwell, Jr. (See Pranger, A., and Boykin.)
Bradley, Thomas B., Du Bois, Pa. Baking pan supporting rack. 2,030,849; Feb. 11.
Bradshaw, William M., and W. G. Mylius, Summit, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Meter mounting. 2,030,904; Feb. 11.
Brandt, John W., Elyria, Ohio. Saddle. 2,030,809; Feb. 11.
Breese, Edmund L., Beverly Hills, Calif. Nested tables and chairs. 2,030,196; Feb. 11.
Bremser, Albert T., Westmont, N. J., assignor of fifty-two percent to C. G. Fisher, Miami Beach, Fla. Solar operated refrigerating system. 2,030,350; Feb. 11.
Bren, Boestech C., Cedar Grove, N. J., assignor to Dupont Viscoloid Company, Wilmington, Del. Laminated record. 2,030,568; Feb. 11.
Brennan, Daniel A., Chicago, Ill. Fastener. 2,030,096; Feb. 11.
Bretschneider, Max, Plauen, Germany. Embroidering machine. 2,030,498; Feb. 11.
Brewster, Morris B., Co. Inc. (See White, William H., assignor.)
Bristol Company, The. (See Kerr, W. J., and Miller, assignors.)
Brittain, Richard J., Jr., Newark, and J. C. Bell, Lyndhurst, N. J., assignors to General Motors Corporation, Detroit, Mich. Gauging machine. 2,030,237; Feb. 11.
Brock, Nicholas V. D., Santa Ana, Calif. Dispensing apparatus for charged beverages. 2,030,569; Feb. 11.
Brooks, Clarence W., Jr., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Black powder composition. 2,030,096; Feb. 11.
Brown Company. (See Richter, George A., assignee.)
Brown Le Roy O., assignor to Justrite Manufacturing Company, Chicago, Ill. Torch support bale. 2,030,228; Feb. 11.
Brown, Ralph L., Syracuse, assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Production of oxygenated organic compounds. 2,030,048; Feb. 11.
Buchanan, Vita, New York, N. Y. Hose attaching device. 2,030,819; Feb. 11.
Büche, Karl. (See Wiedbrauck, R., and Büche.)
Buczkowski, Julia. (See Gorski, Frank, assignor.)
Budd Wheel Company. (See Ekszergian, Caroline L., assignor.)
Budd Wheel Company. (See Weightman, William A., assignor.)
Buffalo Brake Beam Company. (See Busch, Charles R., assignor.)
Buhler, Eugen, Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,030,427; Feb. 11.
Burgener, John A., Hinsdale, Ill. Covering device. 2,030,134; Feb. 11.
Burgeni, Alfred. (See Herzog, R. O., and Burgeni.)
Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Spring means for car truck bolsters. 2,030,681; Feb. 11.
Busch, John S. (See Weyerbacuser, F., and Busch.)
Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 2,030,496; Feb. 11.
Byers, William B., Kansas City, Mo. Treating vermiculites. 2,030,289; Feb. 11.
Calarco, Albert. (See Ricci, Massino, assignor.)
Camel Pen Company. (See Kingman, Russell B., assignor.)
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car door locking means. 2,030,549; Feb. 11.
Campbell, Eugene G., Pittsburgh, Pa. Apparatus for treating or sampling substances. 2,030,833; Feb. 11.
Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 2,030,196; Feb. 11.
Campbell, William J., Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 2,030,197; Feb. 11.
Camps, Juan P., Sabadell, Spain. Feeler device for looms. 2,030,497; Feb. 11.
Canadian Atlas Steels Limited. (See Morley, Harry C., assignor.)
Canfield, Robert W., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass gathering and forming machine. 2,030,810; Feb. 11.
Cantini, Emanetto, Holidays Cove, W. Va. Safety jar holder. 2,030,742; Feb. 11.
Carlton, Richard P., assignor to Minnesota Mining and Manufacturing Company, St. Paul, Minn. Adhesive or binder. 2,030,743; Feb. 11.
Carney, Bernard E. (See Crosby, R. H., and Carney.)

Carpenter, Harry E., Los Angeles, Calif., assignor to Adhere Paper Company. Adhesive mailt. 2,030,135; Feb. 11.
Carr, George W., North Shields, England. Ship's davit. 2,030,136; Feb. 11.
Carter, Lionel A., Webster Groves, Mo. Setting and indicating device for geared lathe headstocks. 2,030,097; Feb. 11.
Carter, Ralph H. (See Oppenlaender, O., Gellong, and Carter.)
Case Research Laboratory, Incorporated. (See Case, Theodore W., assignor.)
Case, Theodore W., Auburn, assignor to Case Research Laboratory, Incorporated, Auburn, N. Y. Sound picture record. 2,030,098; Feb. 11.
Case, W. A., & Son Mfg. Co. (See Zwermann, Carl H., assignor.)
Catland, Alfred C. (See Howard, J. H., and Catland.)
Cawley, George, Upper Montclair, N. J. Valve operating mechanism. 2,030,571; Feb. 11.
Ceglowski, Stanley, Hillside, N. J. Propeller, fan, and exhauster. 2,030,022; Feb. 11.
Celanese Corporation of America. (See Dickie, W. A., and Gentle, assignors.)
Celanese Corporation of America. (See Hale, F. C., and Tyce, assignors.)
Celanese Corporation of America. (See Jenett, Henry, assignor.)
Celanese Corporation of America. (See Knight, Albert W., assignor.)
Celanese Corporation of America. (See Kinsella, R., and Riley, assignors.)
Celanese Corporation of America. (See Taylor, William I., assignor.)
Celloseal Company. (See Whitney, Alvin M., assignor.)
Cement Wrapped Pipe Company. (See Kramer, Warren A., assignor.)
Cerf, Marcel B., San Francisco, assignor to L. Blake Smith, San Francisco, Calif. Electrical dehydration of oils. 2,030,198; Feb. 11.
Chalmers, David. (See Roberts, L. V., and Chalmers.)
Chamberlain, Thomas R., Wilkeson, Wash. Head surface mixer. 2,030,683; Feb. 11.
Chambers, Irl M., Los Angeles, Calif., assignor, by mesne assignments, to Western Electric Company, Incorporated. Sound recording system. 2,030,428; Feb. 11.
Channell, James W., Southgate, Calif. Splicing method. 2,030,082; Feb. 11.
Charman, Walter M., Cleveland Heights, Ohio. Mold extension for ingot molds. 2,030,190; Feb. 11.
Chase-Shawmut Company, The. (See Taylor, Elmer H., assignor.)
Chemische Fabrik Joh. A. Benckiser G. m. b. H. (See Aeckerle, Emil, assignor.)
Chevigny, Hedwidge, née Roy, deceased, by E. Chevigny, administrator, L'Assomption, Quebec, Canada. Burglar alarm. 2,030,049; Feb. 11.
Chevigny, Robert, administrator. (See Chevigny, Hedwidge, née Roy.)
Chicago Railway Equipment Company. (See Teld, Arnold H., assignor.)
Chicago Telephone Supply Co. (See Schellenger, Newton C., assignor.)
Chmurski, Anton J., Milwaukee, Wis. Towel rack. 2,030,498; Feb. 11.
Choate, Roy E., and W. E. Bodler, assignors to La Plant-Choate Mfg. Co. Inc., Cedar Rapids, Iowa. Wagon. 2,030,137; Feb. 11.
Choate, Roy E., and W. E. Bodler, assignors to La Plant-Choate Manufacturing Company, Inc., Cedar Rapids, Iowa. Earth moving device. 2,030,353; Feb. 11.
Christian, Neil H. (See Luth, A. J., Nugent, and Christian.)
Christoffel, John J. (See Erickson, G. L., and Christoffel.)
Church, Walter L., Houston, Tex. Slip. 2,030,499; Feb. 11.
Cincinnati Butchers' Supply Company, The. (See Schmidt, Oscar C., assignor.)
Clark, Edward H., Reading, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Draping machine. 2,030,744; Feb. 11.
Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)
Cleveland Tractor Company, The. (See Hemlet, James G., assignor.)
Clifford, Sydney G., assignor to Waterlow & Sons Limited, London, England. Applying protective coloring in the printing of documents representing value. 2,030,251; Feb. 11.
Cloutier, Arthur N. (See Lawson, R. H., Cloutier, and Hutton.)
Clum Manufacturing Company. (See Pease, Frederick J., assignor.)
Clum Manufacturing Company. (See Winning, Robert K., assignor.)
Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Cutting stock. 2,030,050; Feb. 11.
Coffey, Irven E., Playa Del Rey, Calif. Automatic auxiliary fuel supply for internal combustion engines. 2,030,745; Feb. 11.
Cole, George H., Lakeland, Fla. Paper stacking clamp. 2,030,253; Feb. 11.
Coleman, Nelson R., Asheville, assignor to Sayles Biltmore Bleacheries, Inc., Biltmore, N. C. Automatic cut-off for cloth batchers. 2,030,684; Feb. 11.
Colonial Trust Company, The, executors, et al. (See Summey, David L.)
Colwell, Archie T., assignor to Thompson Products Incorporated, Cleveland, Ohio. Making hollow head valves. 2,030,500; Feb. 11.
Cominsky, Samuel, assignor to Micolite Corporation, Trenton, N. J. Cocktail shaker. 2,030,834; Feb. 11.
Comeau, Stanley, Winnipeg, Manitoba, Canada. Playing bar for Hawaiian steel guitars. 2,030,241; Feb. 11.
Consolidated Car-Heating Company. (See Parsons, Robert J., assignor.)
Consolidated Packaging Machinery Corporation. (See Smith, Harry D., assignor.)
Construction Machinery Company. (See Garber, E. C., and McDermott, assignors.)
Continental Motors Corporation. (See Kinnucan, J. W., and Fink, assignors.)
Cook, George A. (See LeFevre, George L., assignor.)
Coolerator Company, The. (See Belshaw, C. F., and La Casse, assignors.)
Cornish, Harry S., Los Angeles, Calif. Carbon dioxide ice cooling system. 2,030,242; Feb. 11.
Corts, Gottfried F. A., Goteborg, Sweden. Wheel tire. 2,030,243; Feb. 11.
Costello, William F., assignor to The New Britain Machine Company, New Britain, Conn. Tool set and container therefor. 2,030,138; Feb. 11.
Coubrough, George B., Long Beach, Calif., assignor to The Lummus Company, New York, N. Y. Fractionating petroleum mixtures. 2,030,281; Feb. 11.
Coulter, Guy H. (See Arbuckle, S. F., and Coulter.)
Cox, Albert B., Wilmington, assignor to Shell Development Company, San Francisco, Calif. Caliper. 2,030,244; Feb. 11.
Cox, Henry L., South Charleston, and P. S. Greer, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Preparation of esters. 2,030,835; Feb. 11.
Corhead, Ralph C., Corporation. (See Spalose, Frank, assignor.)
Coyle, John H., Hartford, Conn., assignor to The Billings & Spencer Company. Wrench clip. 2,030,148; Feb. 11.
Creative Industries, Inc. (See Severy, Victor H., assignor.)
Crosby, John D. (See Shreve, R. N., Pritchard, Farr, Still, and Crosby.)
Crosby, Ralph H., Hammond, and B. R. Carney, East Chicago, Ind. Treating mineral oil distillates. 2,030,245; Feb. 11.
Crown Stove Works. (See Rogers, Charles J., and W. F., assignors.)
Crumley, James A., Charleston, W. Va. Fluid release packer head. 2,030,164; Feb. 11.
Cummins, Walter E., Boulder City, Nev. Pump jack. 2,030,282; Feb. 11.
Cumpston, Edward H. (See Schlenker, Vesper A., assignor.)
Cunningham, David H., Haddonfield, N. J., assignor to Radio Corporation of America. Loudspeaker cone diaphragm and producing same. 2,030,501; Feb. 11.
Cuomo, Michele, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and apparatus for attaching shoe heels. 2,030,139; Feb. 11.
Curtis, John C., Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Feeding mechanism for rock drills. 2,030,685; Feb. 11.
Cushing, Russell E., Haddonfield, N. J., assignor to Pennsylvania Salt Manufacturing Co., Philadelphia, Pa. Making ammonium salts. 2,030,811; Feb. 11.
Cutler-Hammer, Inc. (See Russell, Frank J., assignor.)
Czamba, Frank, Duluth, Minn., assignor to American Steel & Wire Company, Chicago, Ill. Vernier gauge. 2,030,254; Feb. 11.
Dahl, Edward T., Randolph, assignor, by mesne assignments, to E. Macleod, Westwood, F. A. Morrison, Newton, Mass., and C. Macleod, Berwyn, Pa., L. Soule, Dedham, S. A. Sargent, Jr., Needham, Mass., trustees, doing business as Mason-Neilan Regulator Company, Boston, Mass. Control mechanism. 2,030,502; Feb. 11.
Daimler-Benz Aktiengesellschaft. (See Wagner, Max, assignor.)
Dillenbach, Walter, Berlin-Charlottenburg, Germany. Arrangement for supervising the vacuum, i. e., the gas or vapor pressure, in vacuum discharge apparatus. 2,030,781; Feb. 11.
Daniels Fred H., assignor to Riley Stoker Corporation, Worcester, Mass. Steam boiler. 2,030,503; Feb. 11.
Darroch, Gourley, executors, et al. (See Apple, Vincent G.)
Da Silva, Antonio M., Rio de Janeiro, Brazil. Compressed air water elevator. 2,030,429; Feb. 11.
Davidson, Esther O. A., et al. (See Slatteagren, Henry A., assignor.)
Davies, Leonard J., C. Gilson, and W. J. Scott, Rugby, England, assignors to General Electric Company. Electric lamp. 2,030,430; Feb. 11.
Davis, Ernest W., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubrication and apparatus therefor. 2,030,504; Feb. 11.
Davis, Henry E., West Haven, Conn. Signaling system for automobiles and other vehicles. 2,030,246; Feb. 11.

Davis, Lewis K., Hampton, N. J. Impact device. 2,030,689; Feb. 11.

Davis, Norman C., Baltimore, Md. Bathtub. 2,030,687; Feb. 11.

Dawson, John W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. 2,030,099; Feb. 11.

Dawson, John W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge apparatus. 2,030,100; Feb. 11.

Day, Luther F., assignor to Webster Engineering Company, Tulsa, Okla. Apparatus for proportioning the flow of gases. 2,030,140; Feb. 11.

Dearborn Chemical Company. (See Horstmann, Frederick E., assignor.)

Delaney, John M. (See Story, H. J., and Delaney.)

De Lanty, Loren J., Spring Valley, assignor to Sperry Products, Inc., Brooklyn, N. Y. Detecting flaws in electrical conductors. 2,030,101; Feb. 11.

De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)

De Laval Separator Company, The. (See Stresynski, George J., assignor.)

Delfs, Detlef, Leverkusen-I. G.-Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azodyestuffs and their production. 2,030,355; Feb. 11.

Denenbaum, John P., Scranton, Pa. Guard device. 2,030,782; Feb. 11.

Denenbaum, John P., Scranton, Pa. Guard device. 2,030,783; Feb. 11.

Dennison Manufacturing Company. (See Flood, Carl A., assignor.)

De Rewal, Frank J., Camillus, assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Catalyst and process for the decomposition of hydrocarbons. 2,030,282; Feb. 11.

De Roulet, Henry, Los Angeles, Calif., assignor to 20th Century Advertising, Inc. Outdoor advertising structure. 2,030,506; Feb. 11.

Desmit, Jean, Brussels, Belgium, assignor to Bendix Products Corporation. Braking means. 2,030,784; Feb. 11.

Dessau, George, Jr., Huntington, N. Y. Closure device. 2,030,084; Feb. 11.

Detroit Hydrostatic Brake Corporation. (See Saumedde, Claude, assignor.)

Deutsche Gold- und Silber Scheideanstalt vormals Roessler. (See Jaeger, Gustav, assignor.)

Deutsche Hydrierwerke Aktiengesellschaft. (See Schrauth, Walther, assignor.)

Development Associates, Inc. (See Stridsberg, Richard, assignor.)

Diamond Alkali Company. (See Elledge, H. G., and Hirsch, assignors.)

Dibb, Joseph W., Milwaukee, Wis. Collection box. 2,030,254; Feb. 11.

Di Biase, Frank J., Brooklyn, N. Y. Coat construction. 2,030,431; Feb. 11.

Dickie, William A., and A. H. Gentle, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile operations. 2,030,102; Feb. 11.

Dickinson, Arthur H., Brooklyn, assignor to International Business Machines Corporation, New York, N. Y. Punching mechanism. 2,030,422; Feb. 11.

Dictaphone Corporation. (See Johnson, Arthur A., assignor.)

Diggs, Sterling H., Casper, Wyo., assignor to Standard Oil Company, Chicago, Ill. Solvent recovery in oil extraction processes. 2,030,284; Feb. 11.

Dill Manufacturing Company, The. (See Tobold, Ewald F., assignor.)

Dilworth, Richard M., Lakewood, Ohio, assignor to General Motors Corporation, Detroit, Mich. Oil engine. 2,030,247; Feb. 11.

Dinyer, George, St. Louis, Mo. Cauterizing instrument. 2,030,258; Feb. 11.

Dirbee, Robert F., Jamaica, and R. Stoneck, assignors to The Western Union Telegraph Company, New York, N. Y. Projection system. 2,030,812; Feb. 11.

Dixon, Ted G., Brooklyn, N. Y. Nonslippery floor wax. 2,030,055; Feb. 11.

Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,030,056; Feb. 11.

Dodge, Sherwood O., Medford, assignor to Guaranteed Parts, Inc., Allston, Mass. Feeler mechanism for looms. 2,030,658; Feb. 11.

Dolza, John. (See Gove, W. D., and Dolza.)

Dolza, John, Flint, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Thrust bearing. 2,030,813; Feb. 11.

Donatal, Edlo, Jeumette, assignor to American Window Glass Company, Pittsburgh, Pa. Apparatus for the manufacture of laminated glass. 2,030,572; Feb. 11.

Doom, Ernest F., Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Removing tin from columbium alloys. 2,030,247; Feb. 11.

Dorgelo, Eduard G. (See Uyterhoeven, W., Verburg, and Dorgelo.)

Dorgelo, Eduard G., Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge device. 2,030,433; Feb. 11.

Dorgelo, Eduard G., Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge device. 2,030,434; Feb. 11.

Dorrance, David W., San Jose, Calif. Artificial heat. 2,030,783; Feb. 11.

Dorrance, Harold J., Pittsburgh, Pa. Apparatus for treating soot. 2,030,536; Feb. 11.

Dorrat, James A., Manchester, England, assignor to General Electric Company. Welding apparatus. 2,030,035; Feb. 11.

Downs, Charles R., Old Greenwich, Conn., and R. P. Weiss, assignors to Weiss and Downs, Inc., New York, N. Y. Tar acid product and producing it. 2,030,280; Feb. 11.

Driescher, Fritz, Rheydt, Germany. Distribution board with fuses adapted to be cut out by hand. 2,030,306; Feb. 11.

Driggs, Louis L., assignor to R. W. Driggs, New Rochelle, N. Y. Gun of the mortar howitzer type. 2,030,567; Feb. 11.

Driggs, Robert W. (See Driggs, Louis L., assignor.)

Dudley Lock Corporation. (See Full, G. D., and Muntner, assignors.)

Duferycolor Limited. (See Baker, Thomas T., assignor.)

Duffendack, Owe S. (See Randolph, D. W., Duffendack, and Wolfe.)

Dull, Marshall L., Catonsville, assignor to Dull Radio Laboratories, Inc., Baltimore, Md. Electrical reproducer. 2,030,513; Feb. 11.

Dull, Marshall L., Catonsville, assignor to Dull Radio Laboratories, Inc., Baltimore, Md. Electrical reproducer. 2,030,574; Feb. 11.

Dull Radio Laboratories, Inc. (See Dull, Marshall L., assignor.)

Dunlop, James, Park Ridge, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Moving stairway. 2,030,108; Feb. 11.

Du Pont, E. I. de Nemours & Company. (See Brooks, Clarence W., Jr., assignor.)

Du Pont, E. I. de Nemours & Company. (See Rankin, D. A., and Uhler, assignors.)

Du Pont Viscoloid Company. (See Dees, Hoestock C., assignor.)

Dyer, Leonard H., New York, N. Y. Hand baggage. 2,030,358; Feb. 11.

Dyer, Leonard H., New York, N. Y. Hand baggage. 2,030,360; Feb. 11.

Eastern Rolling Mill Company, The. (See Hazlett, Adam J., assignor.)

Eastwood-Nealley Corporation. (See Webb, Nelson W., assignor.)

Eaton, Reginald O., Erie, Pa., assignor to General Electric Company. Electric switch. 2,030,681; Feb. 11.

Eden, James A., Springfield, Mass. Laminated paper barrel. 2,030,695; Feb. 11.

Edwards, William J., Whittier Falls, Tex. Attachment for spudding and drilling. 2,030,693; Feb. 11.

Ercolite Corporation. (See Cosmosky, Samuel, assignor.)

Eggleston, Oliver D., Carlton, Kans. Highway guard post. 2,030,628; Feb. 11.

Eisen- u Stahlwerk Walter Peyinghaus. (See Lehmann, Walter.)

Eitel, William W., and J. McCullough, San Bruno, assignors to Heintz & Kaufman, Ltd., San Francisco, Calif. Electrode mounting. 2,030,361; Feb. 11.

Eitel, William W., and J. McCullough, San Bruno, assignors to Heintz & Kaufman, Ltd., San Francisco, Calif. Space discharge device. 2,030,362; Feb. 11.

Ek, Arthur E. (See Ek, Emil, and A. E.)

Ek, Emil, and A. E., Portland, Maine. Counting device. 2,030,624; Feb. 11.

Elmendorf, Carsten L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Roller bearing for rolling mills. 2,030,104; Feb. 11.

Eldridge, Leonard C., and B. G. Symon, St. Louis, Mo., assignors to Shell Development Company, San Francisco, Calif. Indexing service board. 2,030,517; Feb. 11.

Electric Household Utilities Corporation. (See Howe, John T., assignor.)

Electrolux Corporation. (See Hildt, Tord B. D., assignor.)

Elledge, Harvey G., and A. Hirsch, assignors to Diamond Alkali Company, Painesville, Ohio. Purification of caustic soda. 2,030,694; Feb. 11.

Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Apparatus for and process of making synthetic products. 2,030,420; Feb. 11.

Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Fibrous product and making the same. 2,030,520; Feb. 11.

Elmo, Edward H., Fairlawn, N. J., assignor to The Barrett Company, New York, N. Y. Pitch product and preparing same. 2,030,575; Feb. 11.

Emerson Apparatus Company. (See Thompson, Ralph L., assignor.)

Enterprise Aluminum Company, The. (See Wilson, Albert C., assignor.)

Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)

Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 2,030,007; Feb. 11.

Equitable Paper Bag Co. Inc. (See Poppe, George W., assignor.)

Erbele, William S., Ervin, N. Dak. Liquefy box. 2,030,058; Feb. 11.

Erber, Bernhard, Vienna, Austria. Electric lamp. 2,030,695; Feb. 11.

Eremeeff, Ivan, Philadelphia, Pa. Apparatus for producing synthetic electronic sound. 2,030,343; Feb. 11.

Erickson, Charles, Kirkland Lake, Ontario, Canada. Replaceable bit rock drill. 2,030,576; Feb. 11.

Erospha, Inc. (See Wiche, Alois, assignor.)

Erickson, George L., Hasbrouck Heights, and J. J. Christoffel, Chicago, Ill., assignors to The Western Union Telegraph Company, New York, N. Y. Testing the susceptibility of telegraph lines to interference. 2,030,314; Feb. 11.

Estate Stove Company, The. (See Kahn, Lucian L., assignor.)

Evrich, Richard H., and R. F. Anthony, assignors to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Stop-off for centrifugal casting molds. 2,030,105; Feb. 11.

Evans Case Company. (See Lagerbohm, Carl J., assignor.)

Evans, R. S., & Sons. (See Evans, Robert S., assignor.)

Evans, Leonard T., Indianapolis, Ind. Renovating oil. 2,030,577; Feb. 11.

Evans, Robert D., Grosse Pointe, Mich., assignor to R. S. Evans & Sons. Windshield wiper mechanism. 2,030,236; Feb. 11.

Falconer, William R., Preston East, near Melbourne, assignor to International Motor Patents Proprietary Limited, Melbourne, Victoria, Australia. Fuel preheating and mixing apparatus for internal combustion engines. 2,030,506; Feb. 11.

Family Laundry Co., et al. (See Pierce, Lucien, assignor.)

Fantz, Fred C. (See Ard, Charles E., assignor.)

Farr, Henry V. (See Shreve, R. N., Pritchard, Farr, Still, and Crosby.)

Fate-Root-Heath Company. (See Bowen, Edson E., assignor.)

Fehse, Adolf, Berlin, and H. Kreft, Berlin-Friedrichshagen, Germany, assignors to General Electric Company. Gaseous electric discharge lamp device. 2,030,435; Feb. 11.

Feineman, Henry, Brooklyn, N. Y. Knitting machine. 2,030,815; Feb. 11.

Fenton, Ray M., assignor to Newton Steel Company, Youngstown, Ohio. Feed table for sheets. 2,030,816; Feb. 11.

Fenton, Ray M., assignor to The Newton Steel Company, Youngstown, Ohio. Apparatus for finishing sheets. 2,030,817; Feb. 11.

Ferngren, Enoch T., Toledo, Ohio. Plastic wall structure. 2,030,039; Feb. 11.

Ferranti Electric Inc. (See Norris, Eric D. T., assignor.)

Fevold, Harry L. (See Hisaw, F. L., and Fevold.)

Field, Crosby, Brooklyn, N. Y., assignor to Flakice Corporation, Wilmington, Del. Heat exchange apparatus. 2,030,660; Feb. 11.

Fink, James O. (See Klaassen, J. W., and Fink.)

Fisher, Carl G. (See Bremser, Albert T., assignor.)

Fitchburg Paper Company. (See Gong, Dong D., assignor.)

Fitzpatrick, Jeremiah, East Weymouth, Mass. Method of and machine for reforming lasts. 2,030,141; Feb. 11.

Flakice Corporation. (See Field, Crosby, assignor.)

Fletcher, Harold W. (See McKellar, M. S., Sherman, and Fletcher.)

Fletcher, Harold W., and R. Meahana, assignors to Hughes Tool Company, Houston, Tex. Plunger lift control. 2,030,436; Feb. 11.

Flettner, Anton, Berlin, Germany. Aircraft. 2,030,578; Feb. 11.

Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Tag fastener. 2,030,363; Feb. 11.

Florman, Irving, New York, N. Y. Cigarette lighter. 2,030,364; Feb. 11.

Foote Bros. Gear & Machine Co. (See Lewis, Otis L., assignor.)

Forster, John K., assignor of one-half to R. Schmidt, Pittsburgh, Pa. Dispensing container. 2,030,698; Feb. 11.

Fortes, James A., St. Louis, Mo. Egg holder. 2,030,106; Feb. 11.

Foster, Warren D. (See Oswald, C. L., and Foster.)

Foster Wheeler Corporation. (See Wallis, John S., assignor.)

Francis, Victor J., and J. W. Ryde, Middlesex, England, assignors to General Electric Company. Electric discharge device. 2,030,437; Feb. 11.

Frankl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Process and apparatus for cooling gaseous mixtures. 2,030,509; Feb. 11.

Franz, Erwin H., Crawford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for handling strands. 2,030,498; Feb. 11.

Frazier, James W., San Antonio, Tex. Dispensing device for a collapsible container. 2,030,579; Feb. 11.

Freeman, Horace, Shawinigan Falls, Quebec, Canada, assignor to Nichols Engineering & Research Corporation of Canada, Limited. Roasting iron oxide and sulphur dioxide from iron sulphide ores. 2,030,637; Feb. 11.

Freeman, Horace, assignor to Nichols Engineering & Research Corporation of Canada, Limited, Montreal, Quebec, Canada. Flash roasting. 2,030,638; Feb. 11.

Freeman, Walter R., assignor to Wagner Electric Corporation, St. Louis, Mo. Brake control mechanism. 2,030,287; Feb. 11.

Freeman, Walter R., assignor to Wagner Electric Corporation, St. Louis, Mo. Brake control mechanism. 2,030,288; Feb. 11.

French, James A., Chicago, Ill. Pants hanger. 2,030,786; Feb. 11.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Method and apparatus for making headed blanks and resultant article. 2,030,290; Feb. 11.

Friedmann, Albert, Wyomissing, Pa., assignor to Louis Hirsch Textile Machines, Inc., New York, N. Y. Knitting machine. 2,030,697; Feb. 11.

Fritze, Otto. (See Rüttenauer, A., and Fritze.)

Fritze, Otto, Berlin, and A. Rüttenauer, Berlin-Halensee, Germany, assignors to General Electric Company. Manufacture of fabricated glass articles. 2,030,439; Feb. 11.

Fritze, Otto, Berlin, and A. Rüttenauer, Berlin-Halensee, Germany, assignors to General Electric Company. Manufacture of fabricated glass articles. 2,030,440; Feb. 11.

Full, George D., Winnetka, and J. M. Muntner, assignors to Dudley Lock Corporation, Chicago, Ill. Lock. 2,030,636; Feb. 11.

Full, George D., Winnetka, and J. M. Muntner, assignors to Dudley Lock Corporation, Chicago, Ill. Lock bay. 2,030,637; Feb. 11.

Fuller Lehigh Company. (See Hardgrove, Ralph M., assignor.)

Fuller, Warren C., Mansfield, Ohio. Refrigerator construction. 2,030,291; Feb. 11.

Galdies, Georg. (See Pirani, M., and Galdies.)

Galligan, James J., Providence, R. I., and F. O. Thornton, Jr., Jackson Heights, assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Crinkled sheet material and making same. 2,030,746; Feb. 11.

Gallup, John L., Newark, N. J., assignor to Radio Corporation of America. Ceramic object and making the same. 2,030,206; Feb. 11.

Ganz, Joseph, Frankfort-on-the-Main, Germany. Steering device for vehicles. 2,030,441; Feb. 11.

Garber, Ernest C., and H. R. McDermott, assignors to Construction Machinery Company, Waterloo, Iowa. Timer for concrete mixers. 2,030,747; Feb. 11.

Garfield, Lewis E. (See Scott, F. L., and Garfield.)

Garfield, Lewis E., and F. L. Scott, assignors to Hughes Tool Company, Houston, Tex. Roller bearing bit. 2,030,442; Feb. 11.

Garnet, John E., Allentown, assignor of one-half to D. Williamer, Pottstown, Pa. Powder package and dispenser. 2,030,787; Feb. 11.

Gary, Wright W., Great Neck, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J. Treatment of hydrocarbon oil. 2,030,865; Feb. 11.

Gasoline Products Company. (See Gary, Wright W., assignor.)

Geisler, Ottmar, Nuremberg, Germany, assignor to Western Electric Company, Incorporated, New York, N. Y. Solid rectifying element. 2,030,443; Feb. 11.

General Aniline Works, Inc. (See Delfs, Detlef, assignor.)

General Aniline Works, Inc. (See Nawiasky, P., Stein, Berthold, and Zell, assignors.)

General Aniline Works, Inc. (See Schrader, G., and Zerweck, assignors.)

General Chemical Company. (See Simpson, George S., assignor.)

General Chemical Company. (See Tiley, George E., assignor.)

General Electric Company. (See Akrenburgh, Weber H., assignor.)

General Electric Company. (See Atchison, Leonard W., assignor.)

General Electric Company. (See Bergman, Sven E., assignor.)

General Electric Company. (See Blok, Lourens, assignor.)

General Electric Company. (See Blume, Louis F., assignor.)

General Electric Company. (See Davies, L. J., Gilson, and Scott, assignors.)

General Electric Company. (See Dorgelo, Eduard G., assignor.)

General Electric Company. (See Dorrat, James A., assignor.)

General Electric Company. (See Eaton, Reginald O., assignor.)

General Electric Company. (See Fehse, A., and Kreft, assignors.)

General Electric Company. (See Francis, V. J., and Ryde, assignors.)

General Electric Company. (See Fritze, O., and Rüttenauer, assignors.)

General Electric Company. (See Goosbens, Henricus, assignor.)

General Electric Company. (See Hales, George J., assignor.)

General Electric Company. (See Hatay, Charles, assignor.)

General Electric Company. (See Hencke, A., and Kreft, assignors.)

General Electric Company. (See Hertz, Gustav L., assignor.)

General Electric Company. (See Hoxie, Merrill C., assignor.)
General Electric Company. (See Johnson, Wilfrid B., assignor.)
General Electric Company. (See Meissner, Alexander, assignor.)
General Electric Company. (See Navias, Louis, assignor.)
General Electric Company. (See Pearce, Arthur G., assignor.)
General Electric Company. (See Pirani, M., and Gaidies, assignors.)
General Electric Company. (See Pirani, M., and Roger, assignors.)
General Electric Company. (See Reynolds, Neil B., assignor.)
General Electric Company. (See Rompe, Robert, assignor.)
General Electric Company. (See Ruff, Harold R., assignor.)
General Electric Company. (See Rüttenauer, Alfred, assignor.)
General Electric Company. (See Rüttenauer, A., and Fritze, assignors.)
General Electric Company. (See Ryde, J. W., and Jenkins, assignors.)
General Electric Company. (See Suits, Chauncey G., assignor.)
General Electric Company. (See Traver, O. C., and Mason, assignors.)
General Electric Company. (See Uyterhoeven, W., Verburg, and Dorgelo, assignors.)
General Electric Company. (See Wiegand, Erich, assignor.)
General Electric Company. (See Wiegand, Kurt, assignor.)
General Electric Company. (See Williams, Ernest, assignor.)
General Electric Company. (See Wünsche, Otto, assignor.)
General Electric Company. (See Zecher, Gustav, assignor.)
General Electric Vapor Lamp Company. (See Keaty, Carl E., assignor.)
General Electric Vapor Lamp Company. (See Randall, Eugene F., assignor.)
General Motors Corporation. (See Avels, Albert R., assignor.)
General Motors Corporation. (See Brittain, R. J., Jr., and Bell, assignors.)
General Motors Corporation. (See Dilworth, Richard M., assignor.)
General Motors Corporation. (See Dolza, John, assignor.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See Gove, W. D., and Dolza, assignors.)
General Motors Corporation. (See McMillin, B. M., and Taub, assignors.)
General Motors Corporation. (See Poole, Lora E., assignor.)
General Motors Corporation. (See Rasweiler, G. M., and Martin, assignors.)
General Motors Corporation. (See Stone, Donald D., assignor.)
General Motors Corporation. (See Summers, Caleb E., assignor.)
General Motors Corporation. (See White, John W., assignor.)
General Railway Signal Company. (See Nilson, Frederick C., assignor.)
Gentle, Alexander H. (See Dickie, W. A., and Gentle.)
Gerda von der Lippen. (See von der Lippen, Paul, assignor.)
Geyer, Harvey D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Resilient universal joint. 2,030,788; Feb. 11.
Giger-Knüsli, Ernst, Zurich-Hongg, Switzerland. Valve. 2,030,143; Feb. 11.
Gilbert, A. C., Company, The. (See Arnold, Arthur A., assignor.)
Gilbert, A. C., Company, The. (See Gilbert, Alfred C., assignor.)
Gilbert, Alfred C., North Haven, assignor to The A. C. Gilbert Company, New Haven, Conn. Toy locomotive. 2,030,201; Feb. 11.
Gilbert, William N., Hudson Heights, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Weighing and counting scale. 2,030,444; Feb. 11.
Gillick, Lawrence H., Evanston, and E. A. Russell, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Vapor regulator. 2,030,580; Feb. 11.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Railway car structure. 2,030,748; Feb. 11.
Gilson, Charles. (See Davies, L. J., Gilson, and Scott.)
Globe Casket Manufacturing Company. (See White, Byron E., assignor.)
Globe-Oil Tools Company. (See Howard, J. H., and Catland, assignors.)
Godsey, Frank W., Jr., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Apparatus for electrical control. 2,030,202; Feb. 11.
Goldberg, Lillian, Madison, N. J. Plant support. 2,030,249; Feb. 11.
Goldschmit, Th., A. G. (See Wiedhrauck, R., and Bücks, assignors.)
Gollong, Richard J. (See Oppenlaender, O., Gollong, and Carter.)
Goodman Manufacturing Company. (See McCarthy, Timothy F., assignor.)
Goodman Manufacturing Company. (See Pratt, Charles A., assignor.)
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Goodrich, B. F., Company, The. (See Harrison, Marion M., assignor.)
Goodrich, B. F., Company, The. (See Newton, Edwin B., assignor.)
Goodwin, William N., Jr., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Light target for illumination meters. 2,030,250; Feb. 11.
Gooskens, Henricus, Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge lamp device. 2,030,445; Feb. 11.
Gorski, Frank, assignor of one-half to J. Buczkowski, Portland, Oreg. Variable pitch propeller. 2,030,629; Feb. 11.
Gottschalk, Morris, Belleville, and J. M. Abrahams, Bloomfield, N. J. Health shirt and combination garment. 2,030,581; Feb. 11.
Gove, Winfield D., Detroit, and J. Dolza, Flint, assignors to General Motors Corporation, Detroit, Mich. Torque loading lash adjusting device for friction roller transmissions. 2,030,208; Feb. 11.
Govoni, Auguste. (See Bonsagni, L. A., and Govoni.)
Gracey, Frank T., Eddyville, Ky. Device for making cigarettes. 2,030,061; Feb. 11.
Gram, William A., Wainfleet Township, Ontario, Welland County, Canada. Doorlatch. 2,030,630; Feb. 11.
Grasselli Chemical Company, The. (See Bousquet, E. W., Graves, and Salzberg, assignors.)
Grave, Otto, Berlin, Germany. Electric vacuum cleaner. 2,030,366; Feb. 11.
Grave, Otto, Berlin, Germany. Electric vacuum cleaner. 2,030,367; Feb. 11.
Graves, George D. (See Bousquet, E. W., Graves, and Salzberg.)
Graves, Herbert C., Jr., East Bradford Township, Chester County, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit controlling method and apparatus. 2,030,582; Feb. 11.
Gray, Dale B., Kansas City, assignor to Gray & Terry Manufacturing Co., Kansas City, Mo. Collapsible basket. 2,030,204; Feb. 11.
Gray, Daniel M. (See Greene, M. A., and Gray.)
Gray & Terry Manufacturing Co. (See Gray, Dale B., assignor.)
Green, Ray M., Cleveland, Ohio. Draft controller. 2,030,209; Feb. 11.
Greene, Michael A., and D. M. Gray, assignors to Hazel-Atlas Glass Co., Wheeling, W. Va. Closure for bottles and jars. 2,030,062; Feb. 11.
Greener, Charles E., Birmingham, England. Emulsifying machine. 2,030,251; Feb. 11.
Greer, Paul S. (See Cox, H. L., and Greer.)
Gretener, Edgar, Berlin-Siemensstadt, Germany, assignor to Opticolor Aktiengesellschaft, Glarus, Switzerland. Apparatus for use in color photography. 2,030,446; Feb. 11.
Gretener, Edgar, Berlin-Siemensstadt, Germany, assignor to Opticolor Aktiengesellschaft, Glarus, Switzerland. Multicolor-screen for use with lenticulated films. 2,030,447; Feb. 11.
Griffiths, William U., Philadelphia, Pa. Faucet. 2,030,510; Feb. 11.
Groene, William F., and G. W. Luning, assignors to The H. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Chuck. 2,030,142; Feb. 11.
Gruber, Earl B., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Motion-transmitting mechanism. 2,030,511; Feb. 11.
Guaranteed Parts, Inc. (See Dodge, Sherwood O., assignor.)
Guglielotta, Martin, Dillinger, Pa. Braking apparatus. 2,030,292; Feb. 11.
Guilbert, Francis W., Beverly Hills, Calif. Concrete construction. 2,030,518; Feb. 11.
Guirl, Paul R. (See Barnes, J. S., and Guirl.)
Gulliksen, Finn H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electronic relay. 2,030,107; Feb. 11.
Gwinn, Joseph M., Jr., Buffalo, N. Y. Aircraft. 2,030,631; Feb. 11.
H & B American Machine Company. (See Jackson, John F., assignor.)
Haas, Julius, Kassel-Wilhelmshöhe, and G. Adolf, Stockhausen, near Sonderhausen, assignors to Wintershall Aktiengesellschaft, Kassel, Germany. Avoiding setting phenomena in commercially prepared salts. 2,030,583; Feb. 11.
Haberlin, John F., assignor to Boeing Airplane Company, Seattle, Wash. Retractable landing gear for geared propeller airplanes. 2,030,293; Feb. 11.
Hagenbook, Thurlee H. (See Shields, J. W., and Hagenbook.)
Hale, Frank C., and G. C. Tyce, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of textile materials. 2,030,252; Feb. 11.

Hales, George J., Rocky River, Ohio, assignor to General Electric Company. Immersion tube type furnace. 2,030,698; Feb. 11.
Halleck, Frank A., Chicago, Ill., assignor to Sullivan Machinery Company. Loading machine. 2,030,083; Feb. 11.
Hamilton, Clyde C., Highland Park, N. J. Insecticide. 2,030,584; Feb. 11.
Hamilton, Karl M., Chicago, Ill. Heat distributing means. 2,030,510; Feb. 11.
Hampton, Calvin G., Rio Vista, Calif. Pruning shears. 2,030,585; Feb. 11.
Hanley, Lawrence, and W. C. Anderson, Kansas City, Mo. Camera. 2,030,206; Feb. 11.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Mounting for rock drills. 2,030,512; Feb. 11.
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Valve for controlling flow of milk and air in milking machines. 2,030,513; Feb. 11.
Harding, Samuel R., Aberdeen, S. Dak. Educational test checking machine. 2,030,207; Feb. 11.
Hardgrove, Ralph M., Bethlehem, assignor to Fuller Lehigh Company, Fullerton, Pa. Feed control for mills. 2,030,448; Feb. 11.
Harris, Frederick D., Miami, Fla. Keyboard cam. 2,030,789; Feb. 11.
Harrison, Marion M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making elastic thread and reticulated sheets of rubber or similar material. 2,030,208; Feb. 11.
Harrison, Wilbur A., Danville, Ill. Wireless corn planter. 2,030,368; Feb. 11.
Harter, Isaac, New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Forming a pressure vessel. 2,030,818; Feb. 11.
Hartford-Empire Company. (See Canfield, Robert W., assignor.)
Hartford-Empire Company. (See Tucker, O. M., and Reeves, assignors.)
Hartford-Empire Company. (See Wise, Charles H., assignor.)
Haris, Bernard, Chrisney, Ind. Separation of garlic and onion seed from wheat. 2,030,632; Feb. 11.
Hatay, Charles, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Mercury switch. 2,030,449; Feb. 11.
Hathaway, Clarence B., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Generator. 2,030,108; Feb. 11.
Haucke, Artur, Berlin, and H. Kreft, Berlin-Friedrichshafen, Germany, assignors to General Electric Company. Electric gaseous discharge device. 2,030,450; Feb. 11.
Hauser, Hermann, Basel, and M. Bommer, Rieben, near Basel, assignors to firm Society of Chemical Industry in Basle, Basel, Switzerland. Anthraquinone derivatives. 2,030,253; Feb. 11.
Haws, Alpheus G., Berkeley, Calif. Drinking fountain apparatus. 2,030,289; Feb. 11.
Hazel-Atlas Glass Co. (See Greene, M. A., and Gray, assignors.)
Hazel, Leo L., Portland, Oreg. Stain cover. 2,030,294; Feb. 11.
Hazlett, Adam J., assignor to The Eastern Rolling Mill Company, Baltimore, Md. Method and apparatus for rolling. 2,030,586; Feb. 11.
Heaslet, James G., Cleveland, assignor to The Cleveland Tractor Company, Cuyahoga County, Ohio. Tuber harvester. 2,030,587; Feb. 11.
Hedeen, Elmer N., and H. B. Turner, Mansfield, Ohio. Casket crypt. 2,030,588; Feb. 11.
Hedlund, Nels J., Minneapolis, Minn. Churn. 2,030,641; Feb. 11.
Heil Co., The. (See Gruber, Earl B., assignor.)
Heimrath, Gus, New Waterford, Ohio. Power plane. 2,030,520; Feb. 11.
Heintz & Kaufman, Ltd. (See Bitel, W. W., and McCullough, assignors.)
Heintz & Kaufman, Ltd. (See Heintz, Ralph M., assignor.)
Heintz and Kaufman, Ltd. (See Sherwood, Ralph C., assignor.)
Heintz, Ralph M., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Variable inductor. 2,030,389; Feb. 11.
Hemphill Company. (See Lawson, R. H., Cloutier, and Hutton, assignors.)
Hensel, Bernhard, K. Hess, and J. Richter, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Tube socket. 2,030,254; Feb. 11.
Herman, Maurice H. (See Ahlenius, Marie, assignor.)
Hermann, Emil W., Kenmore, N. Y. Ear muff. 2,030,790; Feb. 11.
Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Cushion slide for furniture. 2,030,699; Feb. 11.
Hertz, Gustav L., Eindhoven, Netherlands, assignor, by mesne assignments, to General Electric Company. Electric discharge tube. 2,030,521; Feb. 11.
Herzog, Reginald O., Berlin-Steglitz, and A. Burssni, Berlin-Lichterfelde-West, Germany, assignors to Wallwood Corporation, New York, N. Y. Preparation of leather-like flexible and pliable material from wood sheets. 2,030,810; Feb. 11.
Hess, Kurt. (See Hessel, B. Hess, and Richter.)
Heston, Allen L., Columbiana, assignor to National Rubber Machinery Company, Akron, Ohio. Tire building drum. 2,030,749; Feb. 11.
Hexcel Radiator Company. (See Opitz, Fred M., assignor.)
Hey, Henry W. (See Hill, E. G., and Hey.)
Hibberd, Frederick H., Bayside, N. Y., G. H. Woodard, Phillipsburg, N. J., and J. Kirgan, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J. Refrigerating construction. 2,030,514; Feb. 11.
Hibner, De Los E., Jr. (See Arey, F. C., and Hibner.)
Hibner, De Los E., Jr., Du Bois, Pa., assignor to Vulcan Soot Blower Corporation. Soot blowing tube. 2,030,830 Feb. 11.
Hickok Manufacturing Company. (See Hickok, Stephen R., assignor.)
Hickok Manufacturing Company. (See Mix, Edwin S., assignor.)
Hickok, Stephen R., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Brace. 2,030,791; Feb. 11.
Hile, Leslie M. (See Newhouse, W. F., and Hile.)
Hill, Edward G., and H. W. Hey, assignors to Automatic Shifters, Inc., Richmond, Va. Gear shifting mechanism for motor vehicles. 2,030,838; Feb. 11.
Hirsch, Alfred. (See Elledge, H., and Hirsch.)
Hirsch, Louis, Textile Machines, Inc. (See Friedmann, Albert, assignor.)
Hisaw, Frederick L., and H. L. Fevold, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Isolation and purification of hormones. 2,030,209; Feb. 11.
Hisaw, Frederick L., and H. L. Fevold, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Isolation and purification of the gonad stimulating hormone. 2,030,210; Feb. 11.
Hodge, Alfred E., Kenilworth, Ill. Container. 2,030,295; Feb. 11.
Hodgson, Charles R., Atlanta, Ga., and H. H. Knowles, Birmingham, and C. N. Lemmon, Homewood, Ala. Electrical control equipment. 2,030,589; Feb. 11.
Hodtum, Joseph B., Bellevue, Pa., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Bushing assembly. 2,030,370; Feb. 11.
Holcomb, Harry E., Stratford, Conn., assignor to Johns-Manville Corporation, New York, N. Y. Adhesive composition and making the same. 2,030,633; Feb. 11.
Holloway, Arthur V., assignor to Thomas W. Royal Co., Philadelphia, Pa. Envelope structure. 2,030,634; Feb. 11.
Holman, Arthur T. (See Holman, John L., and A. T.)
Holman Brothers Limited. (See Holman, John L. and A. T., assignors.)
Holman, John L., Carbis Bay, and A. T. Holman, Callestick, Cornwall, assignors to Holman Brothers Limited, Camborne, Cornwall, England. Haulage apparatus for operating soil scrapers, plows, reaping machines, and the like. 2,030,590; Feb. 11.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 2,030,064; Feb. 11.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 2,030,065; Feb. 11.
Holmquist, Albert, Holmquist, S. Dak. Seed mixer and agitator. 2,030,591; Feb. 11.
Hooper, Charles W., Sharon, Conn., assignor to Winthrop Chemical Company, Inc., New York, N. Y. Water-miscible vitamin preparations containing vitamin D. 2,030,792; Feb. 11.
Hooper, George W., et al. (See Pierce, Lucien, assignor.)
Hopwood, John A., Great Neck, N. Y. Delivery box. 2,030,109; Feb. 11.
Hopwood, John M. (See Miller, Paul S., assignor.)
Horn, Otto, Ionia, Mich. Fish bag or holder. 2,030,793; Feb. 11.
Horstmann, Frederick B., assignor to Dearborn Chemical Company, Chicago, Ill. Pump. 2,030,296; Feb. 11
Horton, Gilbert E., Jr., Hewlett, N. Y. Vacuum tube periodic relay. 2,030,794; Feb. 11.
Horwitt, Nathan G., and M. Katcher, assignors, by mesne assignments, to E. Pincus, New York, N. Y. Chair. 2,030,635; Feb. 11.
Hosking, Oakley W., Monroe, N. Y. Automatic tire inflater. 2,030,502; Feb. 11.
Hosking, Oakley W., Monroe, N. Y. Automatic tire inflater. 2,030,503; Feb. 11.
Howard, Frank C., assignor to American Automatic Devices Co., Chicago, Ill. Bumper guard. 2,030,255; Feb. 11.
Howard, John H., Huntington Park, and A. C. Catland, Alhambra, assignors to Globe Oil Tools Company, Los Nietos, Calif. Core catcher. 2,030,297; Feb. 11.
Howard, John H., Huntington Park, and A. C. Catland, Alhambra, said Catland assignor to Globe Oil Tools Company, Los Nietos, Calif. Core drill head. 2,030,298; Feb. 11.
Hoxie, Merrill C., Bridgeport, Conn., assignor to General Electric Company. Reduction drive mechanism. 2,030,780; Feb. 11.
Hubbell, Harvey, Incorporated. (See Von Holtz, Charles T., assignor.)
Huck, Louis C., Grosse Pointe Village, assignor to Huxon Holding Corporation, Detroit, Mich. Rivet and setting the same. 2,030,165; Feb. 11.

Huck, Louis C., Grosse Pointe, assignor to Huron Holding Corporation, Detroit, Mich. Rivet and setting the same. 2,030,168; Feb. 11.

Huck, Louis C., Grosse Pointe, assignor to Huron Holding Corporation, Detroit, Mich. Rivet. 2,030,169; Feb. 11.

Huck, Louis C., Grosse Pointe, assignor to Huron Holding Corporation, Detroit, Mich. Rivet. 2,030,170; Feb. 11.

Huck, Louis C., Detroit, Mich., assignor to Huron Holding Corporation. Manufacturing rivets. 2,030,171; Feb. 11.

Hudelay, Victor, Clichy, and J. Lagrave, Paris, France. Color cinematography. 2,030,795; Feb. 11.

Hughes Tool Company. (See Fletcher, H. W., and Neuhaus, assignors.)

Hughes Tool Company. (See Garfield, L. E., and Scott, assignors.)

Hughes Tool Company. (See McKellar, M. E., Sherman, and Fletcher, assignors.)

Hughes Tool Company. (See Scott, Floyd L., assignor.)

Hughes Tool Company. (See Scott, F. L., and Garfield, assignors.)

Hughes Tool Company. (See Sherman, Ralph F., assignor.)

Hulse, George E., New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Apparatus for making helical carbon piles. 2,030,211; Feb. 11.

Humath Co. (See Marshall, Henry H., Jr., assignor.)

Hume, John T., assignor to Electric Household Utilities Corporation, Chicago, Ill. Hydraulic actuating mechanism for domestic laundry appliances. 2,030,256; Feb. 11.

Hume, John T., assignor to Electric Household Utilities Corporation, Chicago, Ill. Hydraulic actuating mechanism for domestic laundry appliances. 2,030,257; Feb. 11.

Hutton, Alfred L., Jr. (See Lawson, R. H., Cloutier, and Hutton.)

Huron Holding Corporation. (See Huck, Louis C., assignor.)

Huron Holding Corporation. (See Miller, Ralph A., assignor.)

Hyde, Ralph E., Cleveland, and H. A. Maurer, Novelty, assignors to The Oster Manufacturing Company, Cleveland, Ohio. Assembly table. 2,030,594; Feb. 11.

Hyman, Henry. (See Muldoon, Bernard F., assignor.)

I-T-E Circuit Breaker Company. (See Graves, Herbert C., Jr., assignor.)

Iler, Eleanor C., administratrix. (See Iler, Franklin M.)

Iler, Franklin M., deceased, Cleveland, Ohio, E. C. Iler, administratrix. Pulverizer. 2,030,839; Feb. 11.

Illian, Jacob J., Chicago, Ill. Bottle capping and closing machine. 2,030,371; Feb. 11.

Imperial Chemical Industries Limited. (See Knight, Arthur H., assignor.)

Indianapolis Corporation. (See Anderson, Roy F., assignor.)

Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)

Ingersoll-Rand Company. (See Hibberd, F. H., Woodard, and Kirgan, assignors.)

International Business Machines Corporation. (See Buhler, Eugen, assignor.)

International Business Machines Corporation. (See Dickinson, Arthur H., assignor.)

International Business Machines Corporation. (See Gilbert, William N., assignor.)

International Business Machines Corporation. (See Larrabee, Clinton E., assignor.)

International Business Machines Corporation. (See Schaaff, John T., assignor.)

International Door Company. (See Shields, J. W., and Hagenbook, assignors.)

International Motor Patents Proprietary Limited. (See Falconer, William R., assignor.)

International Paper Company. (See Quinn, Robert G., assignor.)

International-Stacey Corporation. (See Bloss, Richard H., assignor.)

International-Stacey Corporation. (See Pranger, A., and Boykin, assignors.)

Insulite Company, The. (See Ellis, George H., assignor.)

Jack, Robert K., Lansing, Mich. Hydraulic transmission. 2,030,299; Feb. 11.

Jackman, Fred W., Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Composite photography. 2,030,300; Feb. 11.

Jackson, John F., assignor to H & B American Machine Company, Pawtucket, R. I. Bobbin clutch for rotatable spindles. 2,030,301; Feb. 11.

Jacobs Bros. Co. Inc., The. (See Walker, Harold L., assignor.)

Jaeck, Wolfgang. (See Reid, H., and Jaeck.)

Jaeger, Gustav, Neu-Isenburg, assignor to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Production of practically iron-free compounds of the earth metals, alkaline earth metals, rare earth metals, earth acids, or the like. 2,030,872; Feb. 11.

James, Robert F., Detroit, Mich., assignor, by mesne assignments, to Westinghouse Lamp Company, Bloomfield, N. J. Electric heater. 2,030,820; Feb. 11.

Jeffrey Manufacturing Company, The. (See Jeffrey, Robert K., assignor.)

Jeffrey, Robert K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Drill mechanism. 2,030,696; Feb. 11.

Jeffrey, Robert K., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Drill mechanism. 2,030,697; Feb. 11.

Jenett, Henry, Cumberland, Md., assignor to Celanese Corporation of America. Plastic material and melting same. 2,030,806; Feb. 11.

Jenkins, Henry G. (See Ryde, J. W., and Jenkins.)

Johansson, Ernest G., Watertown, assignor to The Palmer Electric & Manufacturing Co., Waltham, Mass. Test-block for electric meters. 2,030,822; Feb. 11.

Johns-Manville Corporation. (See Holcomb, Harry E., assignor.)

Johnson, Arthur A., assignor to Dictaphone Corporation, Bridgeport, Conn. Phonograph. 2,030,638; Feb. 11.

Johnson, George W., Norwood, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Pressing machine. 2,030,696; Feb. 11.

Johnson, George W., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Pressing element for pressing machines. 2,030,698; Feb. 11.

Johnson, Gunnar E., East Milton, Mass. Feed cam attachment. 2,030,697; Feb. 11.

Johnson, Treat B., Bethany, Conn., assignor to Winthrop Chemical Company, Inc., New York, N. Y. Derivatives of thiazole and preparing the same. 2,030,573; Feb. 11.

Johnson, Wilfrid E., Schenectady, N. Y., assignor to General Electric Company. Compressor and balancing device therefor. 2,030,701; Feb. 11.

Jones, Walter L., Kenmore, N. Y. Spinning top. 2,030,302; Feb. 11.

Justrite Manufacturing Company. (See Brown, Lelloy O., assignor.)

Kahn, Lucian L., assignor to The Estate Stove Company, Hamilton, Ohio. Stove. 2,030,639; Feb. 11.

Kanengeiser, Earl P., Youngstown, Ohio. Scooter. 2,030,796; Feb. 11.

Karpen, King. (See Beck, E. J., and Van Derveer, and Karpen.)

Karpen, S., & Bros. (See Beck, E. J., Van Derveer, and Karpen, assignors.)

Katcher, Morris. (See Horwitt, N. G., and Katcher.)

Kaufman, Carl C., Conshohocken, Pa. Safety belt. 2,030,172; Feb. 11.

Kayser, Julius, & Company. (See Bankton, W. J., and Beers, assignors.)

Knight, Albert W., Cumberland, Md., assignor to Celanese Corporation of America. Apparatus for manufacturing twisted artificial yarns or threads. 2,030,110; Feb. 11.

Keller, John D., Pittsburgh, Pa. Carbon pile meter. 2,030,523; Feb. 11.

Kelly, William M., Westfield, assignor to American Type Foundery Company, Elizabeth, N. J. Printing press. 2,030,173; Feb. 11.

Kempton, Herbert E., assignor to Tuthill Pump Company, Chicago, Ill. Seal for rotary engines. 2,030,305; Feb. 11.

Kenty, Carl E., Jersey City, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gaseous electric discharge device. 2,030,378; Feb. 11.

Kerr, William J., Waterbury, and H. C. Miller, Naugatuck, assignors to The Bristol Company, Waterbury, Conn. Time-cycle controller. 2,030,451; Feb. 11.

Kinatome Patents Corporation. (See Oswald, C. L., and Foster, assignors.)

Kingman, Russell B., Orange, N. J., assignor, by mesne assignments, to Camel Pen Company, Soluble ink fountain pen. 2,030,452; Feb. 11.

Kinnucan, James W., and J. O. Fink, assignors to Continental Motors Corporation, Detroit, Mich. Engine. 2,030,213; Feb. 11.

Kinsella, Edward, and R. H. J. Riley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of artificial materials. 2,030,212; Feb. 11.

Kinzel, Augustus B., Beechhurst, Long Island, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Portable testing machine. 2,030,640; Feb. 11.

Kirgan, John. (See Hibberd, F. H., Woodard, and Kirgan.)

Kirton, Thomas A., Jacksonville, Fla. License tag. 2,030,702; Feb. 11.

Klaus, Herman L., Houston, Tex. Drill bit. 2,030,834; Feb. 11.

Knauth, George E., Reno, Nev. Match box. 2,030,797; Feb. 11.

Knecht, Albert, Wilen, Switzerland. Wind screen. 2,030,258; Feb. 11.

Knight, Arthur H., Ashton-on-Mersey, England, assignor to Imperial Chemical Industries Limited. Azo dyes and their preparation. 2,030,214; Feb. 11.

Knowles, Harry H. (See Hodgson, C. R., Knowles, and Lemmens.)

Knowlton, Theodore E., New York, N. Y. Printing. 2,030,304; Feb. 11.

Kohn, Inc. (See Coberly, Clarence L., assignor.)

Koehler, Edwin H., New York, N. Y. Accessories container. 2,030,298; Feb. 11.

Kort, Ludwig, Hannover, Germany. Combined device of a ship's propeller enclosed by a nozzle. 2,030,848; Feb. 11.

Krajecki, George C., Philadelphia, Pa. Dental forceps. 2,030,796; Feb. 11.

Kraner, Warren A., assignor to Cement Wrapped Pipe Company, Ltd., San Francisco, Calif. Manufacturing noncorrective armored metal pipe. 2,030,515; Feb. 11.

Krefft, Hermann. (See Fehse, A., and Krefft.)

Krefft, Hermann. (See Hancke, A., and Krefft.)

Kremmling, Aribert, Hammersleben, near Oschersleben, Germany. Mold for molding or embossing or the like plastic material such as dough. 2,030,642; Feb. 11.

Kresser, Leo, assignor to United American Bosch Corporation, Springfield, Mass. Humidifier. 2,030,453; Feb. 11.

Kresser, Leo, assignor to United American Bosch Corporation, Springfield, Mass. Humidifier apparatus. 2,030,454; Feb. 11.

Kreutz, Frank E., San Diego, Calif. Vehicle wheel tire. 2,030,215; Feb. 11.

Kroll, Philip J., Tulsa, Okla. Vehicle rocking machine. 2,030,174; Feb. 11.

Kuhni, Leopold K., Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y. Razor. 2,030,708; Feb. 11.

Küppenbender, Heinz, and M. Nowicki, assignors to Ikon Aktiengesellschaft Dresden, Dresden, Germany. Combined objective and exposure meter for photographic or cinematographic exposing apparatus. 2,030,643; Feb. 11.

La Casse, William J. (See Bolsinaw, C. F., and La Casse.)

Lagerholm, Carl J., Attleboro, assignor to Evans Case Company, North Attleboro, Mass. Pyrophoric lighter mechanism. 2,030,831; Feb. 11.

Lagrave, Jean. (See Hudelay, V., and Lagrave.)

Lain, Mary E., San Francisco, Calif. Attachment for women's garments. 2,030,206; Feb. 11.

Lambert, Raynor, Brooklyn, N. Y. Orthodontia molding device. 2,030,536; Feb. 11.

Lamont, John A., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,030,144; Feb. 11.

Langford, George, assignor to McKenna Process Company of Illinois, Joliet, Ill. Repairing a rail joint in track. 2,030,704; Feb. 11.

La Plant-Choate Mfg. Co. Inc. (See Choate, R. E., and Rodler, assignors.)

La Plant-Choate Manufacturing Company. (See Choate, R. E., and Rodler, assignors.)

Larrabee, Clinton E., Binghamton, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Electric clock system. 2,030,455; Feb. 11.

Lavitt, Albert E., and H. L. Pearson, Denver, Colo. Insecticide sprayer. 2,030,259; Feb. 11.

Lawson, Robert H., Pawtucket, A. N. Cloutier, and A. L. Hutton, Jr., Lonsdale, assignors to Hemphill Company, Pawtucket, R. I. Jacquard pattern mechanism for knitting machines and patterning effected thereby. 2,030,516; Feb. 11.

Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Luning, assignors.)

Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 2,030,456; Feb. 11.

Le Fevre, George L., Clarendon, Va., assignor of one-half to G. A. Cook, Washington, D. C. Educational device. 2,030,175; Feb. 11.

Lefler, Melvin N. (See Lundellius, O. F., and Lefler.)

Lehmann, Walter, Wuppertal-Elberfeld, assignor to W. Peyinghaus, trading as Elsen-u Stahlwerk Walter Peyinghaus, Egge, near Volmarstein, a. d. Ruhr, Germany. Axle bearing lubrication device. 2,030,644; Feb. 11.

Leighton, John W., Port Huron, Mich. Resilient joint. 2,030,750; Feb. 11.

Lemmens, Hendricus J. (See Straub, W. F., and Lemmens.)

Lemmon, George N. (See Hodgson, C. R., Knowles, and Lemmon.)

Lewis Invisible Stitch Machine Company. (See Mann, Joseph, assignor.)

Lewis, Otto L., assignor to Foote Bros. Gear & Machine Co., Chicago, Ill. Motorized reduction gear assembly. 2,030,260; Feb. 11.

Lewis, Robert E., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Universal testing machine. 2,030,457; Feb. 11.

Libbey Glass Manufacturing Company, The. (See Schutz, Harold E., assignor.)

Liles, Cecile F., Independence, Mo. Pastry making machine. 2,030,598; Feb. 11.

Linsert, Otto, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Irradiation of vitamin D and product thereof. 2,030,577; Feb. 11.

Lippold, Frederick A., assignor to Reliance Advertising Co., Chicago, Ill. Swing check for signs. 2,030,378; Feb. 11.

Lippold, Frederick A., assignor to Reliance Advertising Co., Chicago, Ill. Suspension means for swing signs. 2,030,379; Feb. 11.

Litchfield, Isaac W., Medfield, Mass., assignor, by mesne assignment, to Baranac Machine Company, Benton Harbor, Mich. Bag sealing machinery. 2,030,607; Feb. 11.

Llewellyn, Rees S., Glen Ellyn, Ill. Window catch. 2,030,705; Feb. 11.

Lockridge, Bennett R., and L. W. Mayer, Petoskey, Mich. Drying and raising mechanism. 2,030,645; Feb. 11.

Lombardi Knitting Machine Co. Inc. (See Lombardi, Vincent, assignor.)

Lombardi, Vincent, Garden City, assignor to Lombardi Knitting machine Co. Inc., New York, N. Y. Yarn controlling member. 2,030,561; Feb. 11.

Long, James W., Plainfield, and E. R. Wheeler, North Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Page projector for recorders. 2,030,521; Feb. 11.

Long, Spencer W. (See Young, F. J., Long, and Morgan.)

Long, Spencer W., Redondo Beach, Calif., assignor to The National Superior Company, Toledo, Ohio. Spider. 2,030,111; Feb. 11.

Longo, Joseph, Syracuse, N. Y. Lubricating device. 2,030,646; Feb. 11.

Lorain Steel Company, The. (See Steward, D. F., and Stewart, assignors.)

Love, Solomon A., Decatur, Ga. Closure cap. 2,030,380; Feb. 11.

Lowe, Rudy, Chicago, Ill. assignor to Proportioneers, Inc. Providence, R. I. Apparatus for metering fluids. 2,030,581; Feb. 11.

Lowry, Erwin F., Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company. Alloy. 2,030,112; Feb. 11.

Lowry, Jesse W. (See Watts, W. H. and Lowry.)

Lummus Company, The. (See Conbrough, George R., assignor.)

Lundellius & Eccleston Motors Corporation. (See Lundellius, O. F. and Lefler, assignors.)

Lundellius, Oscar F., and M. N. Lefler, assignors to Lundellius & Eccleston Motors Corporation, Los Angeles, Calif. Steering mechanism. 2,030,822; Feb. 11.

Lundgren, Johan R., Superior, Wis. Milk bottle weir. 2,030,706; Feb. 11.

Luning, George W. (See Groene, W. F. and Luning.)

Luth, Arno J., Port Edwards, R. A. Nugent, Nekoosa, and N. H. Christian, Port Edwards, assignors to Nekoosa-Edwards Paper Company, Port Edwards, Wis. Treating pulp. 2,030,382; Feb. 11.

Luth, Arno J., Port Edwards, R. A. Nugent, Nekoosa, N. H. Christian, Port Edwards, assignors to Nekoosa-Edwards Paper Company, Port Edwards, Wis. Treating pulp. 2,030,383; Feb. 11.

Luth, Arno J., Port Edwards, R. A. Nugent, Nekoosa, and N. H. Christian, Port Edwards, assignors to Nekoosa-Edwards Paper Company, Port Edwards, Wis. Bleaching pulp. 2,030,384; Feb. 11.

Lyle, Frederick W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric control system. 2,030,113; Feb. 11.

MacLaren, Frederick H., Calumet City, assignor to Standard Oil Company, Chicago, Ill. Manufacture of pour point depressors. 2,030,307; Feb. 11.

MacLaren, Frederick H., Calumet City, assignor to Standard Oil Company, Chicago, Ill. Synthetic lubricating oils. 2,030,832; Feb. 11.

MacLean-Fogg Lock Nut Company. (See MacLean, John A., assignor.)

MacLean, John A., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill. Floor clip. 2,030,210; Feb. 11.

Macleod, Cameron, et al, trustees. (See Dahl, Edward T., assignor.)

Macleod, Hiden, et al., trustees. (See Dahl, Edward T., assignor.)

Maddock, Thomas, Phoenix, Ariz. Truss or bridge. 2,030,262; Feb. 11.

Magazine Repeating Razor Company. (See Kuhni, Leopold K., assignor.)

Magnesium Development Corporation. (See Schmidt, W., Spitaler, and Schultze, assignors.)

Mallinckrodt Chemical Works. (See Shreve, R. N., Pritchard, Farr, Still, and Crosby, assignors.)

Mann, Arthur H., Nyack, assignor to Morse Boulger Destructor Company, Inc., New York, N. Y. Destructor. 2,030,114; Feb. 11.

Mann, Joseph, Philadelphia, Pa., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Blind stitch sewing machine. 2,030,751; Feb. 11.

Manson Chemical Company. (See Manson, George J., assignor.)

Manson, George J., Hawkesbury, Ontario, Canada, assignor, by mesne assignments, to Manson Chemical Company, Montclair, N. J. Emulsions. 2,030,385; Feb. 11.

Marks, Herbert E., Sewickley, Pa. Well construction. 2,030,217; Feb. 11.

Marsh, Howard R., Ventura, Calif. Hydraulic brake. 2,030,208; Feb. 11.

Marshall, Henry H., Jr., Garden City, assignor to Humath Co., Inc., New York, N. Y. Applicator for powdered medicaments. 2,030,176; Feb. 11.

Martin, Edward J. (See Rasweiler, G. M., and Martin.)

Martin, Floyd L., Lacona, Wis. Inclinometer. 2,030,065; Feb. 11.

Martinez, Marie, Memphis, Tenn. Curtain fixture. 2,030,309; Feb. 11.

Martus, Martin L., Woodbury, H. H. Becker, and J. G. Ross, Waterbury, Conn. Primary cell. 2,030,177; Feb. 11.

Mason, Charles R. (See Traver, O. C., and Mason.)
Mason-Neilan Regulator Company. (See Dahl, Edward T.)
Maurer, Harry A. (See Hyde, R. E., and Maurer.)
Maurin, Vicente L., Habana, Cuba. Locking mechanism. 2,030,599; Feb. 11.
Maxwell, James C. G., assignor to The American Brass Company, Waterbury, Conn. Flexible hose support. 2,030,218; Feb. 11.
Maybach, Karl, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Bodensee, Germany. Change speed gear. 2,030,752; Feb. 11.
Maybach-Motorenbau G. m. b. H. (See Maybach, Karl, assignor.)
Mayfield, Harry F., Anderson, S. C. Towel vending machine. 2,030,525; Feb. 11.
Maypole, Geo ge, et al. (See Spear, John E., assignor.)
McCarthy, Timothy F., Indiana, Pa., assignor to Goodman Manufacturing Company, Chicago, Ill. Loading apparatus. 2,030,145; Feb. 11.
McCullough, Jack. (See Eitel, W. W., and McCullough.)
McCullough, Paul J., assignor to Scullin Steel Co., St. Louis, Mo. Automatic control apparatus. 2,030,146; Feb. 11.
McDaniel, James W., Pomona, N. C. Auxiliary pull-down motion for looms. 2,030,600; Feb. 11.
McDermott, Harold R. (See Garber, E. C., and McDermott.)
McDonald, C. C., et al. (See Baade, William G., assignor.)
McDonald, Guy A., Chicago Heights, Ill., assignor to Victor Chemical Works. Rustproofing composition and coating iron and steel. 2,030,601; Feb. 11.
McDonnell, Samuel M., Neenah, Wis. Brake lock. 2,030,753; Feb. 11.
McDonough, Ambrose A., and C. D. Vickers, Chicago, and C. Schaumburg, Oak Park, Ill., said Schaumburg assignor to said McDonough and said Vickers. Paper holder. 2,030,602; Feb. 11.
McElhannon, James H. (See Wills, Edward K., assignor.)
McKellar, Marion S., R. P. Sherman, and H. W. Fletcher, assignors to Hughes Tool Company, Houston, Tex. Resilient seat for valves. 2,030,458; Feb. 11.
McKenna Process Company of Illinois. (See Langford, George, assignor.)
McLaughlin, May L., Fairfield, Conn. Face lifter. 2,030,603; Feb. 11.
McLean, Lee R., assignor to The Toledo Porcelain Enamel Products Company, Toledo, Ohio. Burning bar. 2,030,707; Feb. 11.
McMillin, Robert M., and A. Taub, assignors to General Motors Corporation, Detroit, Mich. Splash oiling system. 2,030 647; Feb. 11.
McMurray, John C. (See Turner, Price G., assignor.)
McWilliams, Leigh B., and L. V. McWilliams, Whittier, Calif. Apparatus for destroying insects. 2,030,310; Feb. 11.
McWilliams, Lyle V. (See McWilliams, Leigh B. and L. V.)
Meeker, Sidney, Memphis, Tenn. Blood transfusion apparatus. 2,030,754; Feb. 11.
Mellink, Charles F., Toledo, Ohio. Protective receptacle. 2,030,219; Feb. 11.
Meinig, Ernst R., Wyomissing, Pa. Milanese cloth. 2,030,459; Feb. 11.
Meissner, Alexander, Berlin-Dahlem, Germany, assignor to General Electric Company. Magnet system. 2,030,648; Feb. 11.
Meissner Manufacturing Company. (See Schaper, William A., assignor.)
Melzer, Carl G. R., Langenberg, Germany. Concentrating all kinds of precious metal ores by froth flotation. 2,030,526; Feb. 11.
Mercer, George A., Jr., Savannah, Ga. Yielding support for vehicles. 2,030,263; Feb. 11.
Mesnick, Kirwan Y., Clarendon, Va. Combined road and rail vehicle. 2,030,311; Feb. 11.
Meyer, Hans, Altona-Bahrenfeld, Germany. Device for simultaneously regulating the pressure of a series of pressure rolls adjacent a heating table. 2,030,527; Feb. 11.
Meyer, Louis W. (See Lockridge, E. R., and Meyer.)
Middleby-Marshall Oven Co. (See O'Brien, Thomas, assignor.)
Miller, Edward C. (See Kerr, W. J., and Miller.)
Miller, George A., South Gilboa, N. Y. Adjustable partition for cattle stalls. 2,030,755; Feb. 11.
Miller, Julius J., St. Joseph, Mich. Container cover fastener. 2,030,069; Feb. 11.
Miller, Paul S., New York, N. Y., assignor to J. M. Hopwood, Dormont, Pa. Combustion control system. 2,030,386; Feb. 11.
Miller, Ralph A., assignor, by mesne assignments, to Huxon Holding Corporation, Detroit, Mich. Rivet. 2,030,167; Feb. 11.
Miller, Ralph A., Detroit, Mich., assignor to Huxon Holding Corporation. Rivet. 2,030,168; Feb. 11.
Miller, Robert E., Bronxville, N. Y. Furniture leg shoe. 2,030,649; Feb. 11.
Miller, Robert N., Altoona, Pa. Trolley patrol car. 2,030,650; Feb. 11.
Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Blended pitch product and method of making. 2,030,528; Feb. 11.
Minkow, Julius M., New York, N. Y. Safety guard for box ending machines. 2,030,604; Feb. 11.
Minnesota Mining and Manufacturing Company. (See Carlton, Richard P., assignor.)
Miranda, Francisco Q. Cordoba, Argentina. Mute for sextuple musical instruments. 2,030,250; Feb. 11.
Mitchell, Courtney N., Strongsville, Ohio. Drainage receptacle. 2,030,709; Feb. 11.
Mitz, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Necktie holder. 2,030,756; Feb. 11.
Model Brassiere Co. (See Schoebel, Henry, assignor.)
Moffat, Walter A., assignor to Auto Headlight Signal Company, Meridian, Miss. Automobile signal. 2,030,757; Feb. 11.
Mohawk Asphalt Heater Company. (See Van Vorst, J. and Baker, assignors.)
Molin, Louis A., Chicago, Ill. Hydraulic press. 2,030,307; Feb. 11.
Moore, Ninian R., Du Bois, Pa. Lawn sprinkler. 2,030,605; Feb. 11.
Moore, Walter E., West Hartford, Conn., assignor to The Billings & Spencer Company. Wrench clip. 2,030,147; Feb. 11.
Morgan, John S., Jr. (See Young, F. J., Long and Morgan.)
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of acetylene. 2,030,070; Feb. 11.
Morris, G., Woodson. (See Ruhlmann, Frederick C., assignor.)
Morrison, Frank A., et al., trustees. (See Dahl, Edward T., assignor.)
Morse Boulger Destructor Company. (See Mann, Arthur H., assignor.)
Morton, Edmund R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric resistance device. 2,030,460; Feb. 11.
Mosler Safe Co. (See Murtaugh, John J., Jr., assignor.)
Moss, Henry V., St. Louis, Mo., assignor to Swann Research, Incorporated. Granular product conditioner and products made therewith. 2,030,461; Feb. 11.
Mossberg, Iver O., West Haven, assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Firearm sight. 2,030,312; Feb. 11.
Mossberg, O. F., & Sons, Inc. (See Mossberg, Iver O. assignor.)
Mossberg, O. F., & Sons, Inc. (See Mossberg, Oscar F. assignor.)
Mossberg, Oscar F., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Upture-and-pullback bolt-action firearm. 2,030,149; Feb. 11.
Mueller, Erwin H., Detroit, Mich. Valve. 2,030,150; Feb. 11.
Muirhead, David P. (See Muirhead, James and D. P.)
Muirhead, James and D. P., Glasgow, Scotland. Air or gas extractor for vehicles or buildings. 2,030,288; Feb. 11.
Muldoon, Bernard J., Mountain View, N. J., assignor to H. Hyman, Brooklyn, N. Y. Electric plug. 2,030,115; Feb. 11.
Müller, Richard, Heidelberg, and M. Schenck, Mannheim, and W. Wirbatz, assignors to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany. Producing plastic masses etc., containing cellulose ester. 2,030,221; Feb. 11.
Muntner, Joseph M. (See Full, G. D., and Muntner.)
Munz, Lewis E., assignor of one-half to E. H. Sheldon & Company, Muskegon, Mich. Coating composition and applying. 2,030,709; Feb. 11.
Murray, J. A., et al. (See Baade, William G., assignor.)
Murtaugh, John J., Jr., Floral Park, N. Y., assignor to Mosler Safe Co., Hamilton, Ohio. Depository. 2,030,313; Feb. 11.
Muscey, William H., and M. P. Blomberg, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Vehicle end framing. 2,030,462; Feb. 11.
Myers, James E., Whitefish Bay, and W. F. Simonsen, Milwaukee, Wis. Sterilizing apparatus. 2,030,314; Feb. 11.
Mylius, Walter G. (See Bradshaw, W. M., and Mylius.)
Nash, Archibald F., Kingston Hill, England. Safety device for cranes and the like. 2,030,529; Feb. 11.
National Aniline & Chemical Co. (See Riegler, Riewa, assignor.)
National Blank Book Company. (See Schade, Frank J. assignor.)
National Blank Book Company. (See Schade, John, assignor.)
National Machinery Company, The. (See Friedman, John H., assignor.)
National Rubber Machinery Company. (See Heston, Allen L., assignor.)
National Superior Company, The. (See Long, Spencer W. assignor.)
National Superior Company, The. (See Young, F. J., Long, and Morgan, assignors.)
Naturkacz, Walter, Buffalo, N. Y. Feeding attachment for meat grinders. 2,030,758; Feb. 11.
Navias, Louis, Schenectady, N. Y., assignor to General Electric Company. Sodium resistant glass. 2,030,289; Feb. 11.
Navias, Louis, Schenectady, N. Y., assignor to General Electric Company. Glass. 2,030,290; Feb. 11.

Nawiasky, Paul, Ludwigshafen-on-the-Rhine, B. Stein, Mannheim, and E. Berthold and R. Keil, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Nitroanthraquinone-azoles. 2,030,523; Feb. 11.
Nawiasky, Paul, Ludwigshafen-on-the-Rhine, and B. Stein, Mannheim, and E. Berthold and R. Keil, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. 1-amino-2-anthraquinonoyl-anthraquinone-azoles. 2,030,524; Feb. 11.
Neal, Bob, Arkadelphia, Ark. Compressor unit. 2,030,759; Feb. 11.
Nein, William C., White Plains, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Detachable watt-hour meter. 2,030,116; Feb. 11.
Nekoosa-Edwards Paper Company. (See Luth, A. J., Nugent, and Christian, assignors.)
Nelms, Homer L., Albany, N. Y. Fish bearing device. 2,030,463; Feb. 11.
Neuhaus, Ralph. (See Fletcher, H. W., and Neuhaus.)
New Britain Machine Company, The. (See Costello, William F., assignor.)
New Haven Clock Company, The. (See Whitehead, Richard H., assignor.)
Newhouse, Walter F., and L. M. Hile, Benton Harbor, Mich. Machinery for making receptacles. 2,030,071; Feb. 11.
Newton, Edwin B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Stable aqueous dispersion. 2,030,222; Feb. 11.
Newton Steel Company. (See Fenton, Ray M., assignor.)
New York Central Railroad Company, The. (See Thomas, William L., assignor.)
Nichols Copper Company. (See Baird, Dudley, assignor.)
Nichols Engineering & Research Corporation of Canada, Limited. (See Freeman, Horace, assignor.)
Nilson, Frederick C., assignor to General Railway Signal Company, Rochester, N. Y. Testing device for threaded articles. 2,030,464; Feb. 11.
Nist, Joseph T., Canton, Ohio. Receptacle for motion picture films. 2,030,465; Feb. 11.
Noble, Robert J., Glendale, Calif. Rodding and tamping machine for concrete. 2,030,315; Feb. 11.
Nold, Hans, and W. Jaeck, Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Fast colored lacquer. 2,030,264; Feb. 11.
Norley, Harry C., Peterboro, Ontario, Canada, assignor to Canadian Atlas Steels Limited, Welland, Ontario, Canada. Drill. 2,030,530; Feb. 11.
Norris, Eric D. T., Hollinwood, England, assignor to Ferranti Electric Inc., New York, N. Y. Moving coil voltage regulator. 2,030,606; Feb. 11.
North American Rayon Corporation. (See Bley, Rudolph S., assignor.)
North American Rayon Corporation. (See Oppenlaender, O., Gollong, and Carter, assignors.)
Nowicki, Martin. (See Küppenbender, H., and Nowicki.)
Nugent, Richard A. (See Luth, A. J., Nugent, and Christian.)
Nygaard, Johan O., Oslo, Norway. Water tube boiler. 2,030,265; Feb. 11.
O'Brien, Thomas, assignor to Middleby-Marshall Oven Co., Chicago, Ill. Oven door construction. 2,030,223; Feb. 11.
Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Antifriction wheel and axle assembly. 2,030,151; Feb. 11.
Ohlsson, Charles J., Brooklyn, N. Y. Oil burner. 2,030,531; Feb. 11.
Okonite Company, The. (See Waldron, Richard C., assignor.)
O'Neill, Robert F. (See Rust, H. M., and O'Neill.)
Opitz, Fred M., assignor to Herzel Radiator Company, Milwaukee, Wis. Air conditioning device. 2,030,316; Feb. 11.
Opolo, Charles, Culver City, Calif. Flexible axle for vehicles. 2,030,710; Feb. 11.
Oppenlaender, Oscar, Elisabethton, E. J. Gollong and E. H. Carter, Johnson City, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Treating apparatus. 2,030,711; Feb. 11.
Opticolor Aktiengesellschaft. (See Gretener, Edgar, assignor.)
Oster Manufacturing Company, The. (See Hyde, R. E., and Maurer, assignors.)
Oswald, Carl L., New York, N. Y., and W. D. Foster, Washington Township, Bergen County, N. J., assignors to Kinatome Patents Corporation. Recordation of sound. 2,030,760; Feb. 11.
Ott, Reuben, Buffalo, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Silencer. 2,030,291; Feb. 11.
Pace, Edwin W., assignor to Pace Manufacturing Company, Chicago, Ill. Concealed coin drawer. 2,030,712; Feb. 11.
Pace Manufacturing Company. (See Pace, Edwin W., assignor.)
Packard Motor Car Company. (See Williams, Ralph M., assignor.)
Packard Motor Car Company. (See Woolson, Lionel M., assignor.)
Page, Luther T., Richmond, Va. Windshield heater. 2,030,117; Feb. 11.
Palmer Electric & Manufacturing Co., The. (See Johansson, Ernest G., assignor.)
Paper Service Company, The. (See Rowe, William W., assignor.)
Paris, Israel E., Washington, D. C. Double dummy bridge game. 2,030,468; Feb. 11.
Park, Carl P., Manchester, N. H., assignor to U. S. Bobbin & Shuttle Company 1920, Providence, R. I. Shuttle pin lock. 2,030,718; Feb. 11.
Parkinson, James A., Topeka, Kans., assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 2,030,532; Feb. 11.
Parsons, Robert J., Schenectady, assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Emergency circuit controller. 2,030,760; Feb. 11.
Pate, Robert L., Jr., Pittsburg, Kans. Automatic lubricating mechanism. 2,030,533; Feb. 11.
Pearce, Arthur G., Middlesex, England, assignor to General Electric Company. Manufacture of electric discharge tubes. 2,030,392; Feb. 11.
Pearce, Herbert P., London, England. Rainwater trap. 2,030,467; Feb. 11.
Pearson, Homer L. (See Lavitt, A. R., and Pearson.)
Pease, Benjamin F., Silver Lake, Ohio. Hypogastric supporter. 2,030,224; Feb. 11.
Pease, Frederick J., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Storage battery charge indicator. 2,030,651; Feb. 11.
Pédemonte, Alexandre, Alger, Algeria. Differential speed changing gear. 2,030,761; Feb. 11.
Pegler, Joseph L. (See Pegler, Walter, assignor.)
Pegler, Walter, Parramatta, assignor to J. L. Pegler, Beecroft, New South Wales, Australia. Producing nonshatterable glass. 2,030,607; Feb. 11.
Pelzer, Harry L., Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 2,030,393; Feb. 11.
Pembroke, George F., Los Angeles, Calif. Draft control. 2,030,823; Feb. 11.
Pennsylvania Salt Manufacturing Co. (See Cushing, Russell K., assignor.)
Perkins Glue Company. (See Pierson, Gordon G., assignor.)
Peschel, Joseph K., Bradley, Ill. Making metal panels. 2,030,072; Feb. 11.
Pestarini, Giuseppe M., Grant City, N. Y. Direct electric current transformer device. 2,030,652; Feb. 11.
Pestarini, Giuseppe M., Sheffield, England. Electrical apparatus for the transmission of angular movements. 2,030,762; Feb. 11.
Peyinghaus, Walter. (See Lehmann, Walter, assignor.)
Pfeil, Fred C., Ennertsville, N. Y. Apparatus for dispensing liquid. 2,030,534; Feb. 11.
Phillips, John A., Nottingham, England. Machine for the production of knitted fabrics. 2,030,317; Feb. 11.
Pickard, Fred. (See Pickard, Oliver J., and F.)
Pickard, Oliver J., and F., Philadelphia, Pa. Pile wire. 2,030,763; Feb. 11.
Pierce, Lucien, assignor of one-half to Family Laundry Co., Malden, and one-half to G. W. Hooper, Salem, Mass. Method of and apparatus for washing fabrics. 2,030,394; Feb. 11.
Pierson, Gordon G., Lansdale, Pa., assignor to Perkins Glue Company. Adhesive composition and making same. 2,030,073; Feb. 11.
Pike, Earle E., Corsicana, Tex. Quilting frame. 2,030,608; Feb. 11.
Pimentel, Thomas, Campinas, Brazil. Automatic typewriting marginator. 2,030,395; Feb. 11.
Pincus, Ethel. (See Horwitt, N. G., and Katcher, assignors.)
Pirani, Marcello, Berlin-Wilmersdorf, and G. Gaidies, Berlin-Pankow, Germany, assignors to General Electric Company. Alkali metal vapor resistant glass. 2,030,714; Feb. 11.
Pirani, Marcello, Berlin-Wilmersdorf, and M. Reger, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge lamp device. 2,030,715; Feb. 11.
Platt Iron Works, Inc. (See Wells, Edward C., assignor.)
Poeggel, Erich, Remscheid, Germany. Cutting, setting, and sharpening circular saws. 2,030,225; Feb. 11.
Pollock, Harry L., Wilkinsburg, Pa. Vessel cover. 2,030,266; Feb. 11.
Poole, Lora E., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Coil winding machine. 2,030,764; Feb. 11.
Poole, Roy B., Dayton, Ohio. Universal joint. 2,030,074; Feb. 11.
Poppe, George W., assignor to Equitable Paper Bag Co. Inc., Brooklyn, N. Y. Process and machine for long lip bags. 2,030,118; Feb. 11.
Post, Claude L., Chicago, Ill. Feeding device. 2,030,152; Feb. 11.
Potter, Ralph K., Madison, N. J., assignor to American Telephone and Telegraph Company. Electrical circuit arrangement. 2,030,178; Feb. 11.
Potter, Ralph K., Madison, N. J., assignor to American Telephone and Telegraph Company. Electrical circuit arrangement. 2,030,179; Feb. 11.
Potter, Ralph K., Madison, N. J., assignor to American Telephone and Telegraph Company. Electrical circuit arrangement. 2,030,180; Feb. 11.

Potter, Ralph K., Madison, N. J., assignor to American Telephone and Telegraph Company. Directional radio signaling. 2,030,181; Feb. 11.

Powers, Frank B., Forest Hills, and C. C. Whittaker, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,030,119; Feb. 11.

Pranger, Albert, and B. Boykin, Jr., Beaumont, Tex., assignors, by mesne assignments, to International-Stacey Corporation, Columbus, Ohio. Well boring apparatus. 2,030,315; Feb. 11.

Pratt, Charles A., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 2,030,535; Feb. 11.

Pratt, Edward B., West Medford, Mass. Fertilized mulch paper. 2,030,267; Feb. 11.

Pritchard, William N., Jr. (See Shreve, R. N., Pritchard, Farr, Still, and Crosby.)

Proportioneers, Inc. (See Lowe, Rudy, assignor.)

Pruitt, Raymond S., trustees, et al. (See Starkey, William C., assignor.)

Pullman-Standard Car Manufacturing Company. (See Mussey, W. H., and Blomberg, assignors.)

Quinn, Robert G., Glens Falls, assignor to International Paper Company, New York, N. Y. Fireproofing. 2,030,655; Feb. 11.

Quittner, Heinrich, Vienna, Austria. Closure device. 2,030,609; Feb. 11.

Radio Corporation of America. (See Baruch, Sydney N., assignor.)

Radio Corporation of America. (See Cunningham, David L., assignor.)

Radio Corporation of America. (See Gallup, John L., assignor.)

Radio Corporation of America. (See Rose, George M., Jr., assignor.)

Radio Corporation of America. (See Rust, N. M., and O'Neill, assignors.)

Radio Corporation of America. (See Salzberg, Bernard, assignor.)

Radio Corporation of America. (See Straub, W. F., and Lemmens, assignors.)

Radio Corporation of America. (See Usselman, George L., assignor.)

Radley, Fred T., Ceres, Calif. Self-watering seed pan. 2,030,268; Feb. 11.

Rahlmann, Frederick C., assignor of fifteen one-hundredths to G. W. Morris, San Antonio, Tex. Fire extinguisher. 2,030,468; Feb. 11.

Rambert, Arthur F., Irondequoit, N. Y. Cigarette and making the same. 2,030,319; Feb. 11.

Randall, Eugene F., Medford, Mass., assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Rectifier and the like. 2,030,286; Feb. 11.

Randall, Norman E., Shannock, R. I. Elastic yarn and making same. 2,030,610; Feb. 11.

Randolph, Donald W., Flint, O. S. Duffendack, and R. A. Wolfe, Ann Arbor, Mich. Spark generating system. 2,030,228; Feb. 11.

Rankin, Donald A., and F. G. Uhler, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Casein dispersion. 2,030,228; Feb. 11.

Rasweiler, Gerald M., and H. J. Martin, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Oscillograph. 2,030,654; Feb. 11.

Reeves, William A. (See Tucker, O. M., and Reeves.)

Reger, Martin. (See Pirani, M., and Reger.)

Rego, Charles E., East Boston, Mass. Safety device for manhole covers. 2,030,536; Feb. 11.

Reinhardt, Willard L., Shaker Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,030,716; Feb. 11.

Reinhardt, Willard L., Shaker Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,030,717; Feb. 11.

Reliance Advertising Co. (See Lippold, Frederick A., assignor.)

Reynolds, Neil B., Scotia, N. Y., assignor to General Electric Company. Composite glass container. 2,030,397; Feb. 11.

Ricci, Massipo, assignor of one-half to A. Calaroa, Seneca Falls, N. Y. Precision instrument. 2,030,320; Feb. 11.

Rich, Chester A., assignor to The Rich Pump & Ladder Company, Cincinnati, Ohio. Leaning board. 2,030,697; Feb. 11.

Rich Pump & Ladder Company, The. (See Rich, Chester A., assignor.)

Richards, Joshua M., Brookline, Mass. Skylight or floorlight construction. 2,030,718; Feb. 11.

Richards, Vernon J., Gary, Ind., and J. M. Werner, Aurora, Ill. Soap shredder. 2,030,182; Feb. 11.

Richardson, Annie, Los Angeles, Calif. Molar band. 2,030,227; Feb. 11.

Richardson, Roger W., Wilmington, Del. Continuous filter. 2,030,535; Feb. 11.

Richter, George A., Berlin, assignor to Brown Company, Berlin, N. H. Manufacture of parchment papers. 2,030,469; Feb. 11.

Richter, Johann. (See Hensel, B., Hess, and Richter.)

Rickert, John J., Elmore, N. Y., assignor to Boorum & Pease Company, Brooklyn, N. Y. Cover for loose leaf books. 2,030,765; Feb. 11.

Ricks, Fred, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Abrading machine. 2,030,154; Feb. 11.

Riegler, Blossom, Buffalo, assignor to National Aniline & Chemical Co., Inc., New York, N. Y. Vapor phase oxidation. 2,030,260; Feb. 11.

Rightmyer, Holden W., assignor to The American Swiss Company, Toledo, Ohio. Doorlatch. 2,030,719; Feb. 11.

Riley, John, assignor of one-half to A. J. Berzinsky, Chicago, Ill. Mason's line holding trig. 2,030,539; Feb. 11.

Riley, Reginald H. J. (See Kinsella, E., and Riley.)

Riley Stoker Corporation. (See Daniels, Fred H., assignor.)

Ritzert, Robert W., Dayton, Ohio. Maintaining the freshness of bread and the like, and apparatus used in the practice of the method. 2,030,154; Feb. 11.

Rivard, Lionel L., and C. L. Bemister, New Haven, Conn. Apparatus for cleaning pipes. 2,030,393; Feb. 11.

Roberts, Louis V., and D. Chalmers, Kansas City, Mo. Humidifier. 2,030,155; Feb. 11.

Robinson, Joseph, New York, N. Y. Vaporizer device. 2,030,075; Feb. 11.

Roch, Henry. (See Roch, Rudolf, and H.)

Roch, Rudolf and H., Dresden, Germany. Combined billiard table and expanding table. 2,030,155; Feb. 11.

Roche, Thomas T., Hartford, Conn. Window sash holder. 2,030,269; Feb. 11.

Roequin, Wenceslaus G., New Orleans, La., assignor to Valley Manufacturing Corporation. Rake. 2,030,183; Feb. 11.

Rodler, Waldo B. (See Choate, R. K., and Rodler.)

Rogers, Charles J., and W. F. Rogers, assignors to Crown Stove Works, Cicero, Ill. Stove construction. 2,030,540; Feb. 11.

Rogers, Walter F. (See Rogers, Charles J., and W. F.)

Rompe, Robert, Berlin, Germany, assignor to General Electric Company. Gaseous electric discharge lamp device. 2,030,320; Feb. 11.

Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Apparatus for delivering powdery material. 2,030,541; Feb. 11.

Rose Brothers (Gainsborough) Limited. (See Rose, Alfred G., assignor.)

Rose, George M., Jr., Orange, N. J., assignor to Radio Corporation of America. Tube base. 2,030,184; Feb. 11.

Rose, George M., Jr., Orange, N. J., assignor to Radio Corporation of America. Stem for electron discharge device. 2,030,185; Feb. 11.

Rose, George M., Orange, N. J., assignor to Radio Corporation of America. Stem making apparatus. 2,030,186; Feb. 11.

Rose, James G. (See Martus, M. L., Becker, and Rose.)

Rose, Oscar A., New York, N. Y. Heating system. 2,030,542; Feb. 11.

Rose, Oscar A., New York, N. Y. Heating. 2,030,543; Feb. 11.

Rose, Oscar A., New York, N. Y. Heating system. 2,030,544; Feb. 11.

Ross, Robert D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Remote control for theater lights. 2,030,801; Feb. 11.

Roseme, Victor E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control circuit. 2,030,400; Feb. 11.

Rossmann, Rudolf, Gauting, near Munich, Germany, assignor to firm Tufag Textil-Finanz A. G. Zurich, Switzerland. Loom for weaving. 2,030,270; Feb. 11.

Rotary Brush Company. (See Bodenweiser, Aaron, assignor.)

Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Coating creped papers and the product thereof. 2,030,156; Feb. 11.

Royal, Thomas M., & Co. (See Holloway, Arthur V., assignor.)

Royster, David O., Overland, Mo. Mechanism for assembling and inserting inclosures in envelopes. 2,030,656; Feb. 11.

Ruckloe, Edward H., Arcadia, Calif. Double acting garden rake. 2,030,321; Feb. 11.

Ruff, Harold E., Rugby, England, assignor to General Electric Company. Electric gaseous discharge device. 2,030,401; Feb. 11.

Russell, Edward A. (See Gillick, L. H., and Russell.)

Russell, Frank J., Wauwatosa, assignor to Cutler-Hammer Inc., Milwaukee, Wis. Motor control. 2,030,470; Feb. 11.

Rust, Neil M., and R. F. O'Neill, Chelmsford, England, assignors to Radio Corporation of America. Superregenerative receiving system. 2,030,130; Feb. 11.

Rüttenauer, Alfred. (See Fritze O., and Rüttenauer.)

Rüttenauer, Alfred, Berlin-Halensee, Germany, assignor to General Electric Company. Gaseous electric discharge lamp. 2,030,402; Feb. 11.

Rüttenauer, Alfred, Berlin-Halensee, and O. Fritze, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge lamp. 2,030,404; Feb. 11.

Ryde, John W. (See Francis, T. J., and Ryde.)

Ryde, John W., London, and H. G. Jenkins, Hatch End, England, assignors to General Electric Company. Electric discharge device. 2,030,404; Feb. 11.

Sabins, George G., Glendale, assignor to Samuels-Kleiner, Ltd., Los Angeles, Calif. Separable fastener. 2,030,471; Feb. 11.

Safety Car Heating & Lighting Company, The. (See Godsey, Frank W., Jr., assignor.)

Safety Car Heating & Lighting Company, The. (See Hulse, George E., assignor.)

Salzberg, Bernard, New York, N. Y., assignor to Radio Corporation of America. Short wave tube. 2,030,187; Feb. 11.

Salzberg, Paul L. (See Bousquet, E. W., Graves, and Salzberg.)

Samuels-Kleiner, Ltd. (See Sabins, George G., assignor.)

Saranac Machine Company. (See Litchfield, Isaac W., assignor.)

Sargent, Sullivan A., Jr., et al., trustees. (See Dahl, Edward T., assignor.)

Saurwein, Karl. (See Ulrich, H., and Saurwein.)

Sausedde, Claude, Detroit, Mich., assignor to Detroit Hydrostatic Brake Corporation. Wheel. 2,030,076; Feb. 11.

Sayles Biltmore Bleacheries, Inc. (See Coleman, Nelson R., assignor.)

Schaaff, John T., deceased, by L. A. Schaaff, executrix, Washington, D. C., assignor to International Business Machines Corporation, New York, N. Y. Record perforating machine. 2,030,405; Feb. 11.

Schaaff, Lillian A., executrix. (See Schaaff, John T.)

Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Book construction. 2,030,472; Feb. 11.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose leaf book. 2,030,473; Feb. 11.

Schaeffer, Ethan A., Jr., Springfield, Ohio. Wallpaper remover. 2,030,720; Feb. 11.

Schantz, Edward W., Newark, N. J. Tool for making snap fasteners for bag frames. 2,030,406; Feb. 11.

Schaper, William A., assignor to Meissner Manufacturing Company, Chicago, Ill. Radio apparatus. 2,030,271; Feb. 11.

Schaumburg, Charles. (See McDonough, A. A., Vickers, and Schaumburg, assignors.)

Schellenger, Newton C., assignor to Chicago Telephone Supply Co., Elkhart, Ind. Switch. 2,030,657; Feb. 11.

Schenck, Martin. (See Müller, R., Schenck, and Wirbats.)

Scherer, Henry B., South St. Paul, Minn. Game apparatus. 2,030,322; Feb. 11.

Schlattau, Frank F., Los Angeles, Calif. Safety razor. 2,030,766; Feb. 11.

Schlenker, Vesper A., Orange, N. J., assignor of one-half to E. H. Cumpston, Brighton, N. Y. Acoustic construction. 2,030,157; Feb. 11.

Schlunegger, Arnold J., San Bernardino, Calif. Ore mill. 2,030,323; Feb. 11.

Schmidt, Henry F., Lansdowne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Blower. 2,030,474; Feb. 11.

Schmidt, Henry F., Lansdowne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lubricating system. 2,030,611; Feb. 11.

Schmidt, Oscar C., assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Actuating means for closures, such as doors, lids, and the like. 2,030,324; Feb. 11.

Schmidt, Raymond. (See Forster, John S., assignor.)

Schmidt, Walther, P. Spitaler, and W. Schultze, Bitterfeld, Germany, assignors, by mesne assignments, to Magnesium Development Corporation. Improving magnesium alloys, especially in shaped forms. 2,030,767; Feb. 11.

Schnell, Steve, Overland, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake actuating mechanism. 2,030,272; Feb. 11.

Schodlbauer, Erwin, New York, N. Y. Safety razor. 2,030,658; Feb. 11.

Schoebel, Henry, Hempstead Gardens, Long Island, N. Y., assignor to Model Brassiere Co., Inc., Brooklyn, N. Y. Undergarment. 2,030,826; Feb. 11.

Schrader, Gerhard, Opladen, near Cologne, and W. Zerweck, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Waterinsoluble azodyestuffs. 2,030,327; Feb. 11.

Schrauth, Walther, Berlin-Dahlem, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany. Catalytic oxidation of turpentine oils. 2,030,802; Feb. 11.

Schulze, Hermann, Leipsig, Germany. Porous boot or shoe sole. 2,030,545; Feb. 11.

Schutz, Harold E., Ottawa Hills, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Glass working apparatus. 2,030,328; Feb. 11.

Schultze, Werner. (See Schmidt, W., Spitaler, and Schultze.)

Schwarzkopf, Paul, Reutte/Tyrol, Austria. Making compound structural material and shaped articles thereof. 2,030,229; Feb. 11.

Schwimmer, Oscar, Los Angeles, Calif. Device for making cream. 2,030,158; Feb. 11.

Scott, Bernard H., Glendale, Calif. Automatic control system for atomizing and lifting oil with gas. 2,030,159; Feb. 11.

Scott, Floyd L. (See Garfield, L. E., and Scott.)

Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Hydraulic punch. 2,030,721; Feb. 11.

Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Cutter assembly. 2,030,722; Feb. 11.

Scott, Floyd L., and L. E. Garfield, assignors to Hughes Tool Company, Houston, Tex. Cutter supporting means for well drills. 2,030,723; Feb. 11.

Scott, William J. (See Davies, L. J., Gilson, and Scott.)

Scovill Manufacturing Company. (See Summey, David L., assignor.)

Scullin Steel Co. (See McCullough, Paul J., assignor.)

Serbinsky, Adam J. (See Riley, John, assignor.)

Serisky, Harry, Brooklyn, N. Y. Baby carriage. 2,030,407; Feb. 11.

Severy, Victor H., Los Angeles, Calif., assignor, by mesne assignments, to Creative Industries, Inc. Split phase impulser for musical instruments. 2,030,230; Feb. 11.

Shaffer, Charles A., Allegan, Mich. Display container. 2,030,546; Feb. 11.

Shaner, Edgar M. (See Smith, Robert L., assignor.)

Shehan, William E., Los Angeles, Calif. Roller coating machine. 2,030,325; Feb. 11.

Sheldon, E. H., & Company. (See Munz, Lewis E., assignor.)

Shell Development Company. (See Cox, Albert B., assignor.)

Shell Development Company. (See Eldridge, I. C., and Symon, assignors.)

Sherman, Ralph P. (See McKellar, M. S., Sherman, and Fletcher.)

Sherman, Ralph P., assignor to Hughes Tool Company, Houston, Tex. Lubricated plug valve. 2,030,408; Feb. 11.

Shermund, Ralph C., assignor to Heintz and Kaufman, Ltd., San Francisco, Calif. Filament support. 2,030,326; Feb. 11.

Shields, John W., and T. M. Hagenbook, assignors, by mesne assignments, to International Door Company, Evansville, Ind. Braceless panic release, roller latching, revolving door hardware. 2,030,547; Feb. 11.

Shoe Lace Company. (See Titcomb, William S., assignor.)

Shore, Albert F., New York, N. Y. Penetrator-stem for hardness-indicating apparatus. 2,030,475; Feb. 11.

Shreve, Randolph N., and W. N. Pritchard, Jr., West Lafayette, Ind., H. V. Farr, Ferguson, and A. J. Still, St. Louis, Mo., and J. D. Crosby, Arlington, N. J., assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Manufacturing soluble salts of barium and strontium. 2,030,659; Feb. 11.

Shultz, William R., Lewisburg, Pa. Lifesaving equipment for marine vessels. 2,030,768; Feb. 11.

Siemens & Halske, Aktiengesellschaft. (See Strehmel, Paul, assignor.)

Sillers, Thomas, G. A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pressure relief valve. 2,030,121; Feb. 11.

Simons, James E., San Francisco, Calif. Apparatus for comparing colors. 2,030,329; Feb. 11.

Simonsen, William F. (See Myers, J. E., and Simonsen.)

Simpson, George S., Plainfield, N. J., assignor to General Chemical Company, New York, N. Y. Purification of materials contaminated with ammonium salts. 2,030,273; Feb. 11.

Sinclair Refining Company. (See Pelzer, Harry L., assignor.)

Skiles, Ira T., Pasadena, Calif. Refuse catching and removing device for floors. 2,030,077; Feb. 11.

Slattengren, Hattie J. E., et al. (See Slattengren, Henry A., assignor.)

Slattengren, Henry A., Oak Park, Ill., assignor of one-fifth to J. C. Barck, Lindstrom, one-fifth to M. B. Slattengren, Chicago City, one-fifth to E. O. A. Davidson, St. Paul, and two-fifths to H. J. B. Slattengren, Lindstrom, Minn. Advertising device. 2,030,706; Feb. 11.

Slattengren, Maria E., et al. (See Slattengren, Henry A., assignor.)

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Drive mechanism for shaker conveyers. 2,030,330; Feb. 11.

Smeets, Herman R. M. G., Roermond, Netherlands. Truck or tractor with two rear axles. 2,030,548; Feb. 11.

Smith, Fay E., Fenton, Mich. Concrete tile mold. 2,030,724; Feb. 11.

Smith, Harry D., Buffalo, N. Y., assignor to Consolidated Packaging Machinery Corporation. Magnetic capping chuck. 2,030,188; Feb. 11.

Smith, Harry E., assignor to F. D. Snell, Brooklyn, N. Y. Producing mirrors. 2,030,476; Feb. 11.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,030,409; Feb. 11.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,030,410; Feb. 11.

Smith, Joseph F., Fort Wayne, Ind. Game. 2,030,549; Feb. 11.

Smith, Justin L., Watertown, assignor to Seymour Smith & Son, Inc., Oakville, Conn. Jointed pole for tree pruners. 2,030,550; Feb. 11.

Smith, L. Blake. (See Cerf, Marcel H., assignor.)

Smith, Robert L., assignor of forty-nine per cent to E. M. Shaner, Lynchburg, Va. Weed puller. 2,030,770; Feb. 11.

Smith, Seymour, & Son, Inc. (See Smith, Justin L., assignor.)

Smith, Stuyvesant C., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,030,881; Feb. 11.

Smith, William A. (See Bernitz, Ernest, Sr., assignor.)

Snader, Howard B., Temple, assignor to Vanity Fair Silk Mills, Reading, Pa. Full fashioned hosiery knitting machine. 2,030,477; Feb. 11.

Snell, Foster D. (See Smith, Harry R., assignor.)

Snyder, Edward, Fort Wayne, Ind. Winding apparatus. 2,030,660; Feb. 11.

Society of Chemical Industry in Basle. (See Anderau, Walter, assignor.)

Society of Chemical Industry in Basle. (See Hauser, H., and Bommer, assignors.)

Society of Chemical Industry in Basle. (See Nold, H., and Jaeck, assignors.)

Softened Rubber Limited. (See Ungar, Ralph M., assignor.)

Soule, Leslie, et al., trustees. (See Dahl, Edward T., assignor.)

Spalding, Frank, Hoboken, N. J., assignor, by mesne assignments, to Ralph C. Coxhead Corporation, New York, N. Y. Carriage driving and hammer returning mechanism. 2,030,411; Feb. 11.

Spear, John E., assignor of one-third to G. Maypole, and one-third to E. Werner, Helena, Mont. Valve. 2,030,332; Feb. 11.

Sperry Products, Inc. (See De Lanty, Lorea J., assignor.)

Spinner, Isidore, Chicago, and P. V. Spinner, Wilmette, Ill. Binding books. 2,030,478; Feb. 11.

Spinner, Philip V. (See Spinner, Isidore, and P. V.)

Standard Oil Company. (See Dirgo, Sterling H., assignor.)

Standard Oil Company. (See MacLaren, Frederick B., assignor.)

Starkey, William C., assignor, by mesne assignments, to W. C. Starkey, Indianapolis, Ind., R. S. Pruitt, and W. H. Beal, Chicago, Ill., trustees. Clutch spring. 2,030,325; Feb. 11.

Stearn, Franklin A., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 2,030,412; Feb. 11.

Steeneck, Robert. (See Dirkes, R. F., and Steeneck.)

Stein, Berthold. (See Nawiasky, P., Stein, Berthold, and Zell.)

Stephens Pump Company. (See Allen, Herbert, assignor.)

Sterling Siren Fire Alarm Company Inc. (See Armstrong, Merton C., assignor.)

Steward, Douglas P., and J. V. Stewart, Johnstown, assignors to The Lorain Steel Company, Johnstown, Pa. Frog and switch track work. 2,030,231; Feb. 11.

Stewart, John V. (See Steward, D. P., and Stewart.)

Stewart, Marion S., Wellesley, Mass. Food strainer. 2,030,274; Feb. 11.

Stewart-Warner Corporation. (See Davis, Ernest W., assignor.)

Sticelber, Merlin A., Kansas City, assignor of one-half to W. Stoneman, Jr., Kansas City, Mo. Controlling temperatures in the refrigerating systems of package sealing machines. 2,030,725; Feb. 11.

Still, Arthur J. (See Shreve, H. N., Pritchard, Farr, Still, and Crosby.)

Still, Carl, Recklinghausen, Germany. Apparatus for the production of coke and gas in horizontal chamber ovens. 2,030,324; Feb. 11.

Still, Carl, Recklinghausen, Germany. Apparatus for the expansion of hydrocarbons for cracking and distillation. 2,030,771; Feb. 11.

Stone, Abraham, Brooklyn, N. Y. Clothing container. 2,030,661; Feb. 11.

Stone, Donald D., Flint, assignor to General Motors Corporation, Detroit, Mich. Bearing lubrication. 2,030,232; Feb. 11.

Stone, James A., Philadelphia, Pa. Refrigerator. 2,030,413; Feb. 11.

Stoneman, William, Jr. (See Sticelber, Merlin A., assignor.)

Story, Ernst J., and J. M. Delaney, Cincinnati, Ohio. Shoe construction. 2,030,276; Feb. 11.

Straub, Willem F., and H. J. Lemmens, Eindhoven, Netherlands, assignors to Radio Corporation of America. Electrolytic condenser. 2,030,122; Feb. 11.

Strauss, Joseph B., San Francisco, Calif. Recording mechanism. 2,030,479; Feb. 11.

Strawbridge, Tern A., Corunna, Mich. Ventilator. 2,030,551; Feb. 11.

Strehmel, Paul, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Shielding device. 2,030,215; Feb. 11.

Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Reclaiming oil containing carbon. 2,030,480; Feb. 11.

Strindberg, Richard, assignor to Development Associates, Inc., Worcester, Mass. Dry type self-cleaning air filter. 2,030,552; Feb. 11.

Strock, Edward C. (See Strock, William L. and E. C.)

Strock, William L. and E. C., Los Angeles, Calif. Adjustable mold for battery cell connectors. 2,030,730; Feb. 11.

Stuhlmacher, Richard, Siegmar, near Chemnitz, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Schonau-Chemnitz, Germany. Machine tool, particularly milling machine having a counter support. 2,030,481; Feb. 11.

Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)

Sturtevant, Thomas J., Wellesley, assignor to Sturtevant Mill Company, Boston, Mass. Air separator. 2,030,612; Feb. 11.

Sults, Chauncey G., Madison, Wis., assignor to General Electric Company, Block signal system. 2,030,693; Feb. 11.

Sullivan Machinery Company. (See Hallock, Frank A., assignor.)

Sullivan Machinery Company. (See Holmes, Morris P., assignor.)

Summers, Caleb E., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Venturi type cylinder head. 2,030,663; Feb. 11.

Summey, David L., deceased, Waterbury, Conn., The Colonial Trust Company and R. F. W. Summey, executors, assignors to Scovill Manufacturing Company, Waterbury, Conn. Metallurgical apparatus. 2,030,482; Feb. 11.

Summey, Richard F. W., executors et al. (See Summey, David L.)

Superheater Company, The. (See Armacost, Wilbur H., assignor.)

Svenson, Ernest J., Rockford, Ill. Material working apparatus. 2,030,235; Feb. 11.

Swann Research, Incorporated. (See Moss, Henry V., assignor.)

Symon, Benjamin G. (See Eldridge, L. C., and Symon.)

Taub, Alex. (See McMillin, B. M., and Taub.)

Taylor, Elmer H., assignor to The Chase-Shawmut Company, Newburyport, Mass. Electric fuse. 2,030,611; Feb. 11.

Taylor, Eugene S., Chicago, Ill. Torque motor. 2,030,277; Feb. 11.

Taylor, William L., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of artificial materials. 2,030,189; Feb. 11.

Tefag Textil-Finanz A. G. (See Rossmann, Rudolf, assignee.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hansel, B., Hess, and Richter, assignors.)

Teller, Jacob, New Rochelle, assignor to Teller Stove Designing Corporation, New York, N. Y. Constructing stoves and ranges. 2,030,772; Feb. 11.

Teller Stove Designing Corporation. (See Teller, Jacob, assignor.)

Temple, Robert, Inc. (See Temple, Robert, Jr., assignor.)

Temple, Robert, Jr., assignor to Robert Temple, Inc., Denver, Colo. Compressing device. 2,030,803; Feb. 11.

Texas Company, The. (See Wight, Roy E., assignor.)

Theilacker, Hans F., South Bend, Ind. Flashing signal system for motor vehicles. 2,030,664; Feb. 11.

Thoma, Gerald F., Canton, Ohio. Freezing apparatus. 2,030,323; Feb. 11.

Thomas, William L., Haverstraw, N. Y., assignor to The New York Central Railroad Company. Box car. 2,030,773; Feb. 11.

Thompson Products Incorporated. (See Colwell, Archie T., assignor.)

Thompson, Ralph E., Brookline, assignor to Emerine Apparatus Company, Melrose, Mass. Razor blade. 2,030,823; Feb. 11.

Thorne, Ward, Chicago, Ill. Fertilizer mixer and sprayer. 2,030,278; Feb. 11.

Thornton, Fred O., Jr. (See Galligan, J. J., and Thornton.)

Tiffany, Homer A., Clifton, N. J. Rotary projector head for oil burners. 2,030,123; Feb. 11.

Tiffany, Homer A., Glen Rock, N. J. Burning liquid fuels. 2,030,124; Feb. 11.

Tiley, George E., Woodhaven, assignor to General Chemical Company, New York, N. Y. Railway car. 2,030,553; Feb. 11.

Tinius Olsen Testing Machine Company. (See Lewis, Robert E., assignor.)

Tinius Olsen Testing Machine Company. (See Warner, David M., assignor.)

Titcomb, William S., Andover, assignor to Shoe Lace Company, Boston, Mass. Covering articles. 2,030,160; Feb. 11.

Tobold, Ewald F., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Heater. 2,030,614; Feb. 11.

Told, Arnold H., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railroad signal. 2,030,199; Feb. 11.

Toledo Porcelain Enamel Products Company, The. (See McLean, Lee E., assignor.)

Toledo Porcelain Enamel Products Company, The. (See Young, Earl E., assignor.)

Toscano, Francisco, Los Banos, Calif. Electric signal. 2,030,279; Feb. 11.

Traver, Oliver C., Drexel Hill, and C. R. Mason, Media, Pa., assignors to General Electric Company. Protective apparatus. 2,030,665; Feb. 11.

Treptow, George E., Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Door construction. 2,030,774; Feb. 11.

Tucker, Oliver M., and W. A. Reeves, Columbus, Ohio, assignors to Hartford-Empire Company, Hartford, Conn. Timing mechanism for glass feeders. 2,030,804; Feb. 11.

Turner, Howard B. (See Hedeen, R. N., and Turner.)

Turner, Price G., Yorkville, N. Y., assignor of one-half to J. C. McMurray, Winthrop, Mass. Testing device for internal combustion engines. 2,030,727; Feb. 11.

Turner Tanning Machinery Company, The. (See Whitney, Robert F., assignor.)

Tuthill Pump Company. (See Kempton, Herbert E., assignor.)

20th Century Advertising, Inc. (See de Roulet, Henry, assignor.)

Twiss, Frank J., Swanton, Ohio. Container holder. 2,030,775; Feb. 11.

Tyce, George C. (See Hale, F. C., and Tyce.)

Uhler, Frank G. (See Rankin, D. A., and Uhler.)

Uhlig, Herman M., Cedarburg, Wis. Filing device. 2,030,728; Feb. 11.

Ulrich, Heinrich, and K. Saurwein, Ludwigshafen-on-the-Rhine, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Photographic developer. 2,030,326; Feb. 11.

Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)

Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.)

Ungar, Ralph M., London, assignor to Softened Rubber Limited, Manchester, England. Manufacture of rubber. 2,030,191; Feb. 11.

Union Carbide and Carbon Corporation. (See Cox, H. L., and Greer, assignors.)

Union Carbide and Carbon Corporation. (See Doom, Ernest F., assignor.)

Union Carbide and Carbon Corporation. (See Kinsel, Augustus B., assignor.)

Union Carbide and Carbon Corporation. (See Wiesler, William A., assignor.)

Union Metal Products Company. (See Gilpin, Garth G., assignor.)

Union Switch & Signal Company, The. (See Parkinson, James A., assignor.)

United American Bosch Corporation. (See Kreeger, Leo, assignor.)

United Lens Corporation. (See Arbuckle, S. F., and Coulter, assignors.)

United Shoe Machinery Corporation. (See Cuomo, Michele, assignor.)

United Shoe Machinery Corporation. (See Eppler, Andrew, assignor.)

United Shoe Machinery Corporation. (See Ricks, Fred, assignor.)

U. S. Bobbin & Shuttle Company 1929. (See Park, Carl P., assignor.)

United States Rubber Company. (See Clark, Edward H., assignor.)

United States Rubber Company. (See Galligan, J. J., and Thornton, assignors.)

United States Rubber Company. (See Watkins, Parke H., assignor.)

Universal Oil Products Company. (See Morrell, Jacque C., assignor.)

Uong, Diong D., assignor to Fitchburg Paper Company, Fitchburg, Mass. Manufacture of coated paper. 2,030,483; Feb. 11.

Uselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency modulation apparatus. 2,030,125; Feb. 11.

Uyterhoeven, Willem C. Verburg, and H. G. Dorgelo, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge device. 2,030,414; Feb. 11.

Valley Manufacturing Corporation. (See Bocquin, Wenceslaus G., assignor.)

Vance, Forrest C., Champaign, Ill. Folding grandstand. 2,030,776; Feb. 11.

Van Derveer, Clarence A. (See Beck, R. J., Van Derveer, and Karpen.)

Vanity Fair Silk Mills. (See Snader, Howard B., assignor.)

Van Sciver, Walter M., Lansdowne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cabinet construction. 2,030,554; Feb. 11.

Van Vorst, John, Schenectady, and C. M. Baker, Scotia, assignors, by mesne assignments, to Mohawk Asphalt Heater Company, Frankfort, N. Y. Vehicle for road building and repairing. 2,030,555; Feb. 11.

Vapor Car Heating Company. (See Gillick, L. H., and Russell, assignors.)

Vaughn, Sidney P., United States Navy, Ackerman, Miss. Helicopter. 2,030,078; Feb. 11.

Veltung, Ernest, New York, N. Y. Linoleum tile or the like. 2,030,556; Feb. 11.

Verburg, Cornelis. (See Uyterhoeven, W., Verburg, and Dorgelo.)

Vereinigte Deutsche Metallwerke A. G. (See von Forster, Hermann, assignor.)

Vibbard, Edward L., St. Albans, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,030,415; Feb. 11.

Vibbard, Edward L., St. Albans, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,030,416; Feb. 11.

Vickers, Charles D. (See McDonough, A. A., Vickers, and Schaumburg.)

Victor Chemical Works. (See McDonald, Guy A., assignor.)

Vigliano, Joseph, New York, N. Y. Cloth drilling machine. 2,030,280; Feb. 11.

Villaloboe, Julio, Buenos Aires, Argentina. Blind. 2,030,234; Feb. 11.

Vogt, Clarence W., assignor, by mesne assignments, to Vogt Processes, Incorporated, Louisville, Ky. Favor-carrying ice cream cone. 2,030,126; Feb. 11.

Vogt Processes, Incorporated. (See Vogt, Clarence W., assignor.)

Von der Lippen, Paul, Ohligs, Germany, assignor to Gerda von der Lippen, Highland Park, Ill. Sharpener for the blades of edged tools. 2,030,161; Feb. 11.

Von Forster, Hermann, Niedersursel, near Frankfort-of-the-Main, assignor to Vereinigte Deutsche Metallwerke A. G., Einsal, near Altena, Germany. Internally insulated and waterproofed structure. 2,030,417; Feb. 11.

Von Holtz, Charles T., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Receptacle for attachment plug caps. 2,030,079; Feb. 11.

Von Issendorff, Jürgen, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Grid-controlled electric vacuum discharge apparatus. 2,030,127; Feb. 11.

Vulcan Soot Blower Corporation. (See Arey, F. C., and Hibner, assignor.)

Wagner Electric Corporation. (See Freeman, Walter R., assignor.)

Wagner Electric Corporation. (See Schnell, Steve, assignor.)

Wagner, Max, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Vehicle suspension. 2,030,557; Feb. 11.

Waldron, Richard C., Clifton, assignor to The Okonite Company, Passaic, N. J. Cable splice. 2,030,080; Feb. 11.

Walen, George, Tyner, Saskatchewan, Canada. Clothes wringer. 2,030,387; Feb. 11.

Walker, Harold L., assignor to The Jacobs Bros. Co., Inc., Brooklyn, N. Y. Scale. 2,030,666; Feb. 11.

Walker, Harold L., assignor to The Jacobs Bros. Co., Inc., Brooklyn, N. Y. Scale. 2,030,667; Feb. 11.

Waller, Fred G., East St. Louis, Mo. Shaping machine. 2,030,484; Feb. 11.

Wallis, John S., assignor to Foster Wheeler Corporation, New York, N. Y. Oil distillation. 2,030,485; Feb. 11.

Wallwood Corporation. (See Hersog, H. O., and Burgeni, assignors.)

Walton, George W., London, England. Optical valve. 2,030,235; Feb. 11.

Wanderer-Werke vorm. Winklhofer & Jaenicke Akt. Ges. (See Stuhlmacher, Richard, assignor.)

Waret, Julien Vincennes, France. Heating block for the treatment of hair. 2,030,162; Feb. 11.

Warner Bros. Pictures, Inc. (See Jackman, Fred W., assignor.)

Warner, David M., Dayton, Ohio, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Testing machine. 2,030,416; Feb. 11.

Waterfield, James B., Attleboro, Mass. Last. 2,030,615; Feb. 11.

Waterlow & Sons Limited. (See Clifford, Sydney G., assignor.)

Watkins, Parke H., Naugatuck, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Manufacture of rubber films. 2,030,729; Feb. 11.

Watson, Philip B., New York, N. Y., assignor, by mesne assignments, to American Cyanamid Company. Making urea resin molding powders. 2,030,192; Feb. 11.

Watts, William E., and J. W. Lowry, McCammon, Idaho. Stropper. 2,030,338; Feb. 11.

Webb, Nelson W., assignor to Eastwood-Nealley Corporation, Belleville, N. J. Wire-cloth seam and making same. 2,030,616; Feb. 11.

Webster Engineering Company. (See Day, Luther F., assignor.)

Webster, John R. Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Hoisting apparatus. 2,030,128; Feb. 11.

Weightman, William A., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Jig. 2,030,389; Feb. 11.

Weiss and Downs, Inc. (See Downs, C. R., and Weiss, assignors.)

Weiss, Ernst, Nurembert, Germany. Movement for kicking dolls. 2,030,486; Feb. 11.

Weiss, Robert P. (See Downs, C. R., and Weiss.)

Wells, Edward C., assignor to Platt Iron Works, Inc., Dayton, Ohio. Imprinting apparatus. 2,030,081; Feb. 11.

Werner, Emerson, et al. (See Spear, John E., assignor.)

Werner, John M. (See Richards, V. J., and Werner.)

Western Electric Company. (See Chambers, Irl M., assignor.)

Western Electric Company. (See Frenz, Erwin E., assignor.)

Western Electric Company. (See Geisler, Ottmar, assignor.)

Western Electrical Instrument Corporation. (See Goodwin, William N., Jr., assignor.)

Western Union Telegraph Company, The. (See Dirkes, R. F., and Steeneck, assignors.)
Western Union Telegraph Company, The. (See Erickson, G. L., and Christoffel, assignors.)
Western Union Telegraph Company, The. (See Long, J. W., and Wheeler, assignors.)
Westinghouse Electric Elevator Company. (See Dunlop, James, assignor.)
Westinghouse Electric & Manufacturing Company. (See Benson, Ralph L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bradshaw, W. M., and Mylius, assignors.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hathaway, Clarence R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lowry, Erwin F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lyle, Frederick W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Nein, William C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Powers, F. B., and Whittaker, assignors.)
Westinghouse Electric & Manufacturing Company. (See Ross, Robert D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Van Sciver, Walter M. assignor.)
Westinghouse Electric & Manufacturing Company. (See von Issendorff, Jürgen, assignor.)
Westinghouse Electric & Manufacturing Company. (See Webster, John E., assignor.)
Westinghouse Lamp Company. See Andrew, Victor J., assignor.)
Westinghouse Lamp Company. (See James, Robert F., assignor.)
Weyerhaeuser, Frederick, and J. S. Busch, assignors to Wood Conversion Company, Cloquet, Minn. Insulating walls. 2,030,668; Feb. 11.
Wheeler, Evan R. (See Long, J. W., and Wheeler.)
Wheller, Alfred G., Los Angeles, Calif. Tuning mechanism. 2,030,129; Feb. 11.
White, Byron E., assignor to Glove Casket Manufacturing Company, Kalamazoo, Mich. Surface ornamentation. 2,030,558; Feb. 11.
White, John W., Buffalo, N. Y., assignor, by mesne assignments, to General Motors Corporation. Hydraulic brake system. 2,030,840; Feb. 11.
White, William H., Roanoke, Va., assignor to Morris B. Brewster Co. Inc., Chicago, Ill. Track sander. 2,030,669; Feb. 11.
Whitehead, Richard H., assignor to The New Haven Clock Company, New Haven, Conn. Clock case. 2,030,487; Feb. 11.
Whitney, Alvin M., assignor to Celloseal Company, Bradford, Pa. Nonrefillable bottle. 2,030,617; Feb. 11.
Whitney, Alvin M., assignor to Celloseal Company, Bradford, Pa. Bottle closure. 2,030,618; Feb. 11.
Whitney Chain & Mfg. Company, The. (See Belcher, Warren J., assignor.)
Whitney, Robert F., Winchester, Mass., assignor to The Turner Tanning Machinery Company, Portland, Maine. Machine for operating upon hides, skins, and leather. 2,030,130; Feb. 11.
Whittaker, Charles C. (See Powers, F. B., and Whittaker.)
Wicha, Alois, Dresden, Germany, assignor to Erospha, Inc., Brooklyn, N. Y. Liquid and fluid actuating device. 2,030,131; Feb. 11.
Wiedbrauck, Erich, and K. Büche, assignors to the firm Th. Goldschmit, A-G., Essen-Ruhr, Germany. Making potash. 2,030,082; Feb. 11.
Wiegand, Erich, Berlin-Waidmannslust, Germany, assignor to General Electric Company. Preparing metallic barium for introduction into electric discharge devices. 2,030,670; Feb. 11.
Wiegand, Kurt, Berlin-Neu-Tempelhof, Germany, assignor to General Electric Company. Gaseous electric discharge lamp. 2,030,805; Feb. 11.
Wiegand, Kurt, Berlin-Neu-Tempelhof, Germany, assignor to General Electric Company. Gaseous electric discharge device. 2,030,806; Feb. 11.
Wiegand, Kurt, Berlin-Neu-Tempelhof, Germany, assignor to General Electric Company. Gaseous electric discharge lamp device. 2,030,807; Feb. 11.
Wight, Roy E., Wichita Falls, Tex., assignor to The Texas Company, New York, N. Y. Displacement pump. 2,030,827; Feb. 11.
Wilcox, Albert C., assignor to The Enterprise Aluminum Company, Massillon, Ohio. Steam operated automatic electric switch plug. 2,030,083; Feb. 11.
Willard Storage Battery Company. (See Reinhardt, Willard L., assignor.)
Willauer, David. (See Garnet, John E., assignor.)
Williams, Ernest, Pittsfield, Mass., assignor to General Electric Company. Electric switch. 2,030,671; Feb. 11.
Williams, Ralph M., assignor to Packard Motor Car Company, Detroit, Mich. Circuit breaker. 2,030,488; Feb. 11.
Williams, Samuel B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone exchange system. 2,030,419; Feb. 11.
Wills, Edward K., and J. H. McElhannon, Corpus Christi, Tex. Air washer. 2,030,341; Feb. 11.
Wilson, Russell E., Cleveland, Ohio. Projector. 2,030,489; Feb. 11.
Wilson, Walter E., Columbus, Ohio. Molding strip. 2,030,730; Feb. 11.
Winning, Robert K., Wauwatosa, Wis., assignor to Cluss Manufacturing Company, Milwaukee, Wis. Control device. 2,030,672; Feb. 11.
Winterthall Aktiengesellschaft. (See Haas, J., and Adelt, assignors.)
Winthrop Chemical Company. (See Hooper, Charles W., assignor.)
Winthrop Chemical Company. (See Johnson, Treat B., assignor.)
Winthrop Chemical Company. (See Linsert, Otto, assignor.)
Winton, Lewis R., Greenwich, Conn., assignor to American Sealcone Corporation, New York, N. Y. Apparatus for filling receptacles. 2,030,084; Feb. 11.
Wirbatz, Wilhelm. (See Müller, R., Schenck, and Wirbatz.)
Wisconsin Alumni Research Foundation. (See Hisaw, F. L., and Fevold, assignors.)
Wise, Charles H., assignor to Hartford-Empire Company, Hartford, Conn. Spilled batch catcher. 2,030,806; Feb. 11.
Wissler, William A., Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Alloy. 2,030,342; Feb. 11.
Wissler, William A., Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Alloys. 2,030,343; Feb. 11.
Wolfe, Ralph A. (See Randolph, D. W., Duffendack, and Wolfe.)
Woodard, George H. (See Hibberd, F. H., Woodard, and Kirgan.)
Woodberry, David L., Edgewood Arsenal, Md. Point-detonating fuse for projectiles. 2,030,085; Feb. 11.
Wood Conversion Company. (See Weyerhaeuser, F., and Busch, assignors.)
Woods, Harold L., Monroe, La. Drilling wells. 2,030,777; Feb. 11.
Woolson, Emma F., executrix. (See Woolson, Lionel M.)
Woolson, Lionel M., deceased, Detroit, by E. F. Woolson, executrix, Bloomfield, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,030,086; Feb. 11.
Worthington Pump and Machinery Corporation. (See Ott, Reuben, assignor.)
Wünsche, Otto, Berlin-Friedenau, Germany, assignor to General Electric Company. Power system. 2,030,673; Feb. 11.
Yale & Towne Manufacturing Company, The. (See Leslie, Charles, assignor.)
Young, Earl E., assignor to The Toledo Porcelain Enamel Products Company, Toledo, Ohio. Making photographic stencil screens. 2,030,731; Feb. 11.
Young, Forrest J., Los Angeles, S. W. Long, Redondo Beach, and J. S. Morgan, Jr., Inglewood, Calif., assignors, by mesne assignments, to The National Superior Company, Toledo, Ohio. Door type slip elevator. 2,030,087; Feb. 11.
Young, Maude M., Portland, Oreg. Pie pan. 2,030,344; Feb. 11.
Young, William A., Astoria, N. Y. Grommet. 2,030,088; Feb. 11.
Youngstown Sheet and Tube Company, The. (See Burich, R. H., and Anthony, assignors.)
Youngstown Steel Door Company, The. (See Treptow, George E., assignor.)
Zahodiakin, Victor F., New York, N. Y. Valve actuating mechanism. 2,030,345; Feb. 11.
Zecher, Gustav, Eindhoven, Netherlands, assignor, by mesne assignments, to General Electric Company. Electric arc discharge tube. 2,030,420; Feb. 11.
Zeiss Ikon Aktiengesellschaft Dresden. (See Küppenbender, H., and Nowicki, assignors.)
Zell, Robert. (See Nawiasky, P., Stein, Berthold, and Zell.)
Zerweck, Werner. (See Schrader, G., and Zerweck.)
Zinn, Thelma H., Columbus, Ohio. Hair waving appliance. 2,030,490; Feb. 11.
Zwermann, Carl H., deceased, by H. Zwermann, executrix, and C. H. Zwermann, Jr., executor, assignors to W. A. Case & Son Mfg. Co., Robinson, Ill. Water closet. 2,030,559; Feb. 11.
Zwermann, Carl H., Jr., executor. (See Zwermann, Carl H.)
Zwermann, Helene, executrix. (See Zwermann, Carl H.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF FEBRUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Chlorine dioxide, Production of. G. L. Cunningham. 19,849; Feb. 11.
Lighting system, Emergency. F. G. Beetem. 19,848; Feb. 11.
Motor controller. C. Stansbury. 19,853; Feb. 11.
Power converting apparatus, Electric. F. W. Frink. 19,850; Feb. 11.
Radio program selecting apparatus. E. A. Kinney and J. W. Galligan. 19,851; Feb. 11.
Spider, Well. H. R. Standlee. 19,852; Feb. 11.

LIST OF DESIGN INVENTIONS

Accordion. R. Galanti. 98,506; Feb. 11.
Back rest for a studio couch or similar article of furniture. C. A. Stuart. 98,555; Feb. 11.
Book end. E. W. Fuerst. 98,506; Feb. 11.
Bottle. W. R. Leach. 98,531; Feb. 11.
Bottle, Ketchup. H. Ennever. 98,504; Feb. 11.
Brush, Hand. E. M. Maher. 98,536; Feb. 11.
Buckle. J. B. Freysinger. 98,507; Feb. 11.
Buckle. S. Putman. 98,547; Feb. 11.
Building, Restaurant. L. F. Karlsberger. 98,523; Feb. 11.
Cabinet and bureau or the like, Combined toilet. I. H. Stern. 98,551; Feb. 11.
Cabinet, Water heater. E. H. Wilkinson. 98,559; Feb. 11.
Candlelight or similar article. J. Zeitlin. 98,564–5; Feb. 11.
Case, Piano. W. M. Day. 98,499; Feb. 11.
Casing for flexible measuring rules. A. L. Stowell. 98,554; Feb. 11.
Casing, Sewing machine. J. P. Weis. 98,558; Feb. 11.
Chair. M. C. Pumphrey. 98,545; Feb. 11.
Chair, Lounge. W. Hoffmann. 98,517–8; Feb. 11.
Doily. K. C. Hamilton. 98,513; Feb. 11.
Dress. D. M. Mayehoff. 98,538; Feb. 11.
Dress. D. W. Price. 98,544; Feb. 11.
Dress or similar article. C. Block. 98,493; Feb. 11.
Endpiece for an ophthalmic mounting. G. E. Nerney. 98,543; Feb. 11.
Fabric, Knitted. J. Minoff. 98,542; Feb. 11.
Freezing device for edibles. F. H. Kaup and F. H. Kinyoun. 98,524; Feb. 11.
Fuel supply unit for oil burners. H. E. Fellows. 98,505; Feb. 11.
Glove. W. B. Meyers. 98,567; Feb. 11.
Goblet or similar article. A. J. Bennett. 98,490; Feb. 11.
Goblet or similar article. W. C. McCartney. 98,539; Feb. 11.
Guard or similar article, Fan. C. E. Meyerhoefer. 98,541; Feb. 11.
Handle and front drawer panel, Combined. H. M. De Vries. 98,500; Feb. 11.
Handle for dry shavers. J. Schick. 98,548; Feb. 11.
Hanger or similar article. B. Meyer. 98,540; Feb. 11.
Lace. G. D. Boyson. 98,494; Feb. 11.
Mirror floral display device. E. C. Sharp. 98,549; Feb. 11.
Mounting for a pulley-carrying motor. W. D. Hamerstadt. 98,512; Feb. 11.
Ornament, Christmas tree. P. Kranz and A. P. Schmid. 98,528–9; Feb. 11.
Pen, Fountain. W. Bowker and R. P. Piperoux. 98,493; Feb. 11.
Pen, Fountain. J. Hill. 98,515–6; Feb. 11.
Pen or similar article, Fountain. A. Winter. 98,560; Feb. 11.
Pencil. E. J. Britton. 98,496; Feb. 11.
Pencil. D. Jueins. 98,522; Feb. 11.
Picture film viewing machine, Motion. W. J. Lumbleau. 98,534–5; Feb. 11.
Plate or similar article. H. F. Wood, Jr. 98,561–2; Feb. 11.
Post office building unit, Miniature. O. D. Clements. 98,498; Feb. 11.
Pouch, Tobacco. W. P. Koeller. 98,525; Feb. 11.
Projector or article of similar nature. J. F. Brischo. 98,495; Feb. 11.
Pull tab for slide fasteners. A. Walker. 98,556; Feb. 11.
Radio cabinet. R. C. Hulbert. 98,521; Feb. 11.
Radio cabinet or similar article. R. Silverstein. 98,550; Feb. 11.
Radio cabinet or similar article, Portable. R. F. Stewart. 98,552; Feb. 11.
Range. A. Stockstrom and A. H. Brodbeck. 98,553; Feb. 11.
Rug. A. Bach. 98,489; Feb. 11.
Sandal. E. Grossman. 98,510; Feb. 11.
Screen, Folding floor. S. S. Lewis. 98,532; Feb. 11.
Shoe. L. Goldberg. 98,509; Feb. 11.
Shoe. J. Mascali. 98,537; Feb. 11.
Shoe. W. Weidner. 98,557; Feb. 11.
Shoe or similar article. N. Elkin. 98,501–3; Feb. 11.
Sofa or similar article. M. C. Pumphrey. 98,546; Feb. 11.
Spectacle frame. A. C. Houser. 98,520; Feb. 11.
Spoon or other article of flatware. L. V. M. Helander. 98,514; Feb. 11.
Stool, Fitting. W. Hoffmann. 98,519; Feb. 11.
Sweater or similar article. L. B. Helfgott. 98,566; Feb. 11.
Table. O. A. Koogler. 98,526; Feb. 11.
Table, Pocket billiard. W. Lescase. 98,533; Feb. 11.
Textile fabric. A. Hafner. 98,511; Feb. 11.
Textile fabric. W. A. Landry. 98,530; Feb. 11.
Textile fabric, Embroidered. G. Blechof. 98,491; Feb. 11.
Tray, cigarette holder, and smoker, Combination ash. G. E. Wymar. 98,563; Feb. 11.
Tub, Treatment. C. R. Clarke. 98,497; Feb. 11.
Velocipede. H. L. Kraeft. 98,527; Feb. 11.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF FEBRUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine. F. Ricks. 2,030,153; Feb. 11.
Accessories container. E. H. Koehler. 2,030,305; Feb. 11.
Acetylene, Manufacture of. J. C. Morrell. 2,030,070; Feb. 11.
Acid, Making anhydrous citric. E. Aeckerle. 2,030,619; Feb. 11.
Acoustic construction. V. A. Schlenker. 2,030,157; Feb. 11.
Actuating means for closures, such as doors, lids, and the like. O. C. Schmidt. 2,030,324; Feb. 11.
Adhesive composition and making same. G. G. Pierson. 2,030,073; Feb. 11.
Adhesive composition and making the same. H. E. Holcomb. 2,030,628; Feb. 11.
Adhesive or binder. R. P. Carlton. 2,030,743; Feb. 11.
Adhesive unit. H. E. Carpenter. 2,030,135; Feb. 11.
Advertising device. H. A. Slattengren. 2,030,769; Feb. 11.
Advertising display device. A. Bodenweiser. 2,030,680; Feb. 11.
Advertising structure, Outdoor. H. de Roulet. 2,030,505; Feb. 11.
Air conditioning device. F. M. Opitz. 2,030,316; Feb. 11.
Aircraft. A. Flettner. 2,030,575; Feb. 11.
Aircraft. J. M. Gwinn, Jr. 2,030,631; Feb. 11.
Air filter, Dry type self-cleaning. H. Strindberg. 2,030,552; Feb. 11.
Air or gas extractor for vehicles or buildings. J. and D. P. Muirhead. 2,030,388; Feb. 11.
Air separator. T. J. Sturtevant. 2,030,612; Feb. 11.
Air washer. E. K. Wills and J. H. McElhanson. 2,030,341; Feb. 11.
Air water elevator, Compressed. A. M. da Silva. 2,030,429; Feb. 11.
Alarm, Burglar. H. Chevigny, née Roy. 2,030,049; Feb. 11.
Alloy. E. F. Lowry. 2,030,112; Feb. 11.
Alloys. W. A. Wissler. 2,030,242–3; Feb. 11.
Anthraquinone derivatives. H. Hauser and M. Bommer. 2,030,253; Feb. 11.
Applicator for powdered medicaments. H. H. Marshall, Jr. 2,030,176; Feb. 11.
Aqueous dispersion, Stable. E. B. Newton. 2,030,222; Feb. 11.
Article display and conveying equipment. W. M. Bodine. 2,030,741; Feb. 11.
Articles, Covering. W. S. Titcomb. 2,030,160; Feb. 11.
Assembly table. E. R. Hyde and H. A. Maurer. 2,030,594; Feb. 11.
Attachment for spudding and drilling machines. W. J. Edwards. 2,030,692; Feb. 11.
Automobile signal. W. A. Moffat. 2,030,757; Feb. 11.
Axle bearing lubrication device. W. Lehmann. 2,030,644; Feb. 11.
Axle for vehicles, Flexible. C. Opolo. 2,030,710; Feb. 11.
Azodyestuffs and their production. D. Delfs. 2,030,256; Feb. 11.
Azodyestuffs, Water insoluble. G. Schrader and W. Zerweck. 2,030,327; Feb. 11.
Bag or holder, Fish. O. Horn. 2,030,793; Feb. 11.
Bag sealing machinery. I. W. Litchfield. 2,030,067; Feb. 11.
Bags, Process and machine for long lip. G. W. Poppe. 2,030,118; Feb. 11.
Baggage, Hand. L. H. Dyer. 2,030,359–60; Feb. 11.
Band, Molar. A. Richardson. 2,030,227; Feb. 11.
Bar: *See*—
  Burning bar.
Bar for Hawaiian steel guitars, Playing. S. Comons. 2,030,241; Feb. 11.
Barium for introduction into electric discharge devices, Preparing metallic. E. Weigand. 2,030,670; Feb. 11.
Barrel, Laminated paper. J. A. Eden. 2,030,698; Feb. 11.
Basket, Collapsible. D. B. Gray. 2,030,204; Feb. 11.
Batch catcher, Spilled. C. H. Wise. 2,030,808; Feb. 11.
Battery: *See*—
  Storage battery.
Bathtub. N. C. Davis. 2,030,687; Feb. 11.
Bearing: *See*—
  Thrust bearing
Bearing for rolling mills, Roller. C. L. Ekxergian. 2,030,104; Feb. 11.
Bearing lubrication. D. D. Stone. 2,030,232; Feb. 11.
Bearing structure. A. A. Arnold. 2,030,193; Feb. 11.
Belt, Safety. C. C. Kauffman. 2,030,172; Feb. 11.
Bit: *See*—
  Drill bit. Roller bearing bit.
Bit rock drill, Emplaceable. C. Erickson. 2,030,576; Feb. 11.

Blanks and resultant article, Method and apparatus for making headed. J. H. Friedman. 2,030,290; Feb. 11.
Blind. J. Villalobos. 2,030,234; Feb. 11.
Blood transfusion apparatus. S. Mecker. 2,030,754; Feb. 11.
Blower. H. F. Schmidt. 2,030,474; Feb. 11.
Blower, Swinging soot. F. C. Arey and D. B. Hibner, Jr. 2,030,828; Feb. 11.
Board: *See*—
  Ironing board. Indexing service board.
Board with fuses adapted to be cut out by hand, Distribution. F. Driescher. 2,030,506; Feb. 11.
Bobbin clutch for rotatable spindles. J. F. Jackson. 2,030,301; Feb. 11.
Boiler: *See*—
  Steam boiler. Water tube boiler.
Book construction. F. S. Schade. 2,030,473; Feb. 11.
Book, Loose leaf. J. Schade. 2,030,472; Feb. 11.
Books, Binding. I. and P. V. Spinner. 2,030,478; Feb. 11.
Bottle capping and closing machine. J. J. Illias. 2,030,371; Feb. 11.
Bottle closure. A. M. Whitney. 2,030,618; Feb. 11.
Bottle, Nonrefillable. A. M. Whitney. 2,030,617; Feb. 11.
Box: *See*—
  Collection box. Lip stick box.
  Delivery box. Match box.
Brace. S. E. Hickok. 2,030,791; Feb. 11.
Brake: *See*—
  Hydraulic brake.
Brake actuating mechanism. S. Schnell. 2,030,272; Feb. 11.
Brake control mechanism. W. S. Freeman. 2,030,287–8; Feb. 11.
Brake lock. S. M. McDougall. 2,030,753; Feb. 11.
Brake system, Hydraulic. J. W. White. 2,030,340; Feb. 11.
Braking apparatus. M. Guglielotta. 2,030,296; Feb. 11.
Braking means. J. Demart. 2,030,784; Feb. 11.
Bread and the like, and apparatus used in the practice of the method, Maintaining the freshness of. E. W. Ritzert. 2,030,154; Feb. 11.
Broiler and toaster, Combination. L. A. Bonnagni and A. Govoni. 2,030,047; Feb. 11.
Burner: *See*—
  Oil burner.
Burning bar. L. R. McLean. 2,030,707; Feb. 11.
Bushing assembly. J. B. Hodtum. 2,030,570; Feb. 11.
Cabinet construction. W. M. Van Sciver. 2,030,554; Feb. 11.
Cabinet, Refrigerating display. E. N. Bicknell. 2,030,780; Feb. 11.
Cable splice. R. C. Waldron. 2,030,060; Feb. 11.
Caliper. A. B. Cox. 2,030,244; Feb. 11.
Camera. E. B. Armstrong. 2,030,775; Feb. 11.
Camera. L. Hanley and W. C. Anderson. 2,030,206; Feb. 11.
Can attachment, Food. G. E. Johnson. 2,030,597; Feb. 11.
Car, Box. W. L. Thomas. 2,030,773; Feb. 11.
Car, Railway. G. E. Tiley. 2,030,553; Feb. 11.
Car seat, Revolving. E. J. Beck, C. A. Van Derveer, and K. Karpen. 2,030,621; Feb. 11.
Car structure, Railway. O. G. Gilpin. 2,030,748; Feb. 11.
Car, Trolley patrol. E. N. Miller. 2,030,650; Feb. 11.
Carbon dioxide ice cooling system. H. S. Cornish. 2,030,243; Feb. 11.
Carbon pile meter. J. D. Keller. 2,030,523; Feb. 11.
Carbon piles, Apparatus for making helical. G. E. Hulse. 2,030,211; Feb. 11.
Carbon, Reclaiming oil containing. G. J. Streyanski. 2,030,480; Feb. 11.
Carburetor. S. C. Smith. 2,030,381; Feb. 11.
Carriage, Baby. H. Serisky. 2,030,407; Feb. 11.
Carriage driving and hammer returning mechanism. F. Spaloss. 2,030,411; Feb. 11.
Case: *See*—
  Clock case.
Casein dispersion. D. A. Rankin and F. G. Uhler. 2,030,226; Feb. 11.
Catalyst and process for the decomposition of hydrocarbons. F. J. DeRewal. 2,030,283; Feb. 11.
Catch, Window. R. S. Llewellyn. 2,030,705; Feb. 11.
Cauterizing instrument. G. Dinyer. 2,030,285; Feb. 11.
Cellulosic spinning solutions containing aliphatic silicon compounds. R. S. Bley. 2,030,738; Feb. 11.
Cellulosic spinning solutions containing aromatic silicon derivatives. R. S. Bley. 2,030,737; Feb. 11.
Ceramic object and making the same. J. L. Gallup. 2,030,200; Feb. 11.

Chain. W. J. Belcher. 2,030,829; Feb. 11.
Chair. N. G. Herwitt and M. Katcher. 2,030,696; Feb. 11.
Change speed gear. K. Maybach. 2,030,782; Feb. 11.
Chuck. W. F. Greene and G. W. Leming. 2,030,142; Feb. 11.
Chuck, Magnetic capping. H. D. Smith. 2,030,188; Feb. 11.
Churn. N. J. Hedlund. 2,030,641; Feb. 11.
Cigarette and making the same. A. F. Rambert. 2,030,319; Feb. 11.
Cigarettes, Device for making. F. T. Gracey. 2,030,051; Feb. 11.
Circuit arrangement, Electrical. R. K. Potter. 2,030,178–80; Feb. 11.
Circuit breaker. R. M. Williams. 2,030,488; Feb. 11.
Circuit, Control. V. E. Rosene. 2,030,460; Feb. 11.
Circuit controller, Emergency. R. J. Parsons. 2,030,789; Feb. 11.
Circuit controlling method and apparatus. H. C. Graves, Jr. 2,030,562; Feb. 11.
Circuits, Protection of electric. L. F. Blume. 2,030,670; Feb. 11.
Cisilane-rayon, Producing. R. S. Bley. 2,030,736; Feb. 11.
Clamp: *See*—
  Paper stacking clamp.
Cleaner: *See*—
  Vacuum cleaner.
Cleaning device. B. M. and C. E. Bireley. 2,030,494; Feb. 11.
Clip: *See*—
  Floor clip. Wrench clip.
Clock case. R. H. Whitehead. 2,030,427; Feb. 11.
Clock system, Electric. C. E. Larrabee. 2,030,455; Feb. 11.
Closure cap. E. A. Love. 2,030,380; Feb. 11.
Closure device. G. Deeson, Jr. 2,030,054; Feb. 11.
Closure device. H. Quittner. 2,030,609; Feb. 11.
Closure for bottles and jars. M. A. Greene and D. M. Gray. 2,030,062; Feb. 11.
Cloth drilling machine. J. Vigliano. 2,030,280; Feb. 11.
Cloth, Milanese. E. E. Meinig. 2,030,459; Feb. 11.
Clothing container. A. Stone. 2,030,661; Feb. 11.
Clutch spring. W. C. Starkey. 2,030,333; Feb. 11.
Coat construction. F. J. DiBlasi. 2,030,431; Feb. 11.
Coating composition and method of applying. L. E. Munn. 2,030,709; Feb. 11.
Coil winding machine. L. E. Poole. 2,030,764; Feb. 11.
Coke and gas in horizontal chamber ovens, Apparatus for the production of. C. Still. 2,030,324; Feb. 11.
Collection box. J. W. Dibb. 2,030,359; Feb. 11.
Color cinematography. V. Hudelay and J. Lagrave. 2,030,795; Feb. 11.
Color photography. T. T. Baker. 2,030,163; Feb. 11.
Coloring in the printing of documents representing value, Applying protective. S. G. Clifford. 2,030,351; Feb. 11.
Colors, Apparatus for comparing. J. E. Simons. 2,030,329; Feb. 11.
Combustion control system. P. S. Miller. 2,030,556; Feb. 11.
Composite glass container. H. B. Reynolds. 2,030,397; Feb. 11.
Compressing device. R. Temple, Jr. 2,030,603; Feb. 11.
Compressor and balancing device therefor. W. E. Johnson. 2,030,701; Feb. 11.
Compressor unit. B. Neal. 2,030,759; Feb. 11.
Concrete construction. F. W. Gulbert. 2,030,518; Feb. 11.
Concrete tile mold. F. M. Smith. 2,030,724; Feb. 11.
Condenser: *See*—
  Electrolytic condenser.
Container: *See*—
  Accessories container. Dispensing container.
  Clothing container. Display container.
  Composite glass container.
Container. A. E. Hodge. 2,030,295; Feb. 11.
Container cover fastener. J. J. Miller. 2,030,069; Feb. 11.
Container holder. F. J. Twiss. 2,030,775; Feb. 11.
Continuous filter. R. W. Richardson. 2,030,535; Feb. 11.
Control apparatus, Automatic. P. J. McCullough. 2,030,146; Feb. 11.
Control device. R. K. Winning. 2,030,672; Feb. 11.
Control mechanism. E. T. Dahl. 2,030,502; Feb. 11.
Control system. F. B. Powers and C. C. Whittaker. 2,030,119; Feb. 11.
Control system for atomizing and lifting oil with gas, Automatic. E. H. Scott. 2,030,159; Feb. 11.
Core catcher. J. H. Howard and A. C. Catland. 2,030,297; Feb. 11.
Core drill head. J. H. Howard and A. C. Catland. 2,030,298; Feb. 11.
Counting device. E. and A. H. Ek. 2,030,624; Feb. 11.
Coupling and suspension device, Combined. S. Belveal. 2,030,779; Feb. 11.
Cover: *See*—
  Stain cover. Vessel cover.
Cover for loose leaf books. J. J. Rickert. 2,030,765; Feb. 11.
Covering device. J. A. Bunzener. 2,030,134; Feb. 11.
Crank counterbalance. R. E. Blom. 2,030,046; Feb. 11.
Cream, Device for making. O. Schwimmer. 2,030,158; Feb. 11.
Crypt, Casket. E. N. Hodson and H. B. Turner. 2,030,588; Feb. 11.
Current transformer device, Direct electric. G. M. Pastarini. 2,030,652; Feb. 11.

Curtain fixture. M. Martinez. 2,030,309; Feb. 11.
Cushion slide for furniture. W. F. Herold. 2,030,689; Feb. 11.
Cushion support for eggs and the like. L. Benoit. 2,030,564; Feb. 11.
Cut-off for cloth batchers, Automatic. N. R. Coleman. 2,030,534; Feb. 11.
Cutter assembly. F. L. Scott. 2,030,722; Feb. 11.
Cutter supporting means for well drills. F. L. Scott and L. E. Garfield. 2,030,723; Feb. 11.
Cylinder head, Venturi type. C. E. Summers. 2,030,663; Feb. 11.
Delivery box. J. A. Hopwood. 2,030,100; Feb. 11.
Depository. J. J. Murtaugh, Jr. 2,030,313; Feb. 11.
Depressors, Manufacture of pour point. F. H. MacLaren. 2,030,301; Feb. 11.
Derivatives of thiazole and preparing the same. T. B. Johnson. 2,030,378; Feb. 11.
Desk. G. J. Barrett. 2,030,348; Feb. 11.
Destructor. A. H. Mann. 2,030,114; Feb. 11.
Device for simultaneously regulating the pressure of a series of pressure rolls adjacent a heating table. H. Meyer. 2,030,527; Feb. 11.
Device of a ship's propeller enclosed by a nozzle, Combined. L. Kort. 2,030,376; Feb. 11.
Dishwasher, Automatic. R. L. Benson. 2,030,092; Feb. 11.
Dispensing apparatus for charged beverages. N. V. D. Brock. 2,030,569; Feb. 11.
Dispensing container. J. S. Forster. 2,030,696; Feb. 11.
Dispensing device for a collapsible container. J. W. Frazier. 2,030,579; Feb. 11.
Displacement pump. E. R. Wight. 2,030,827; Feb. 11.
Display container. C. A. Sheffer. 2,030,546; Feb. 11.
Dolls, Movement for kicking. E. Weiss. 2,030,486; Feb. 11.
Door construction. G. R. Treptow. 2,030,774; Feb. 11.
Door construction, Oven. T. O'Brien. 2,030,223; Feb. 11.
Door locking means, Car. A. Campbell. 2,030,240; Feb. 11.
Door type slip elevator. F. J. Young, S. W. Long, and J. S. Morgan, Jr. 2,030,067; Feb. 11.
Doorlatch. W. A. Gram. 2,030,630; Feb. 11.
Doorlatch. H. W. Rightmyer. 2,030,719; Feb. 11.
Doorlock. A. E. Avels. 2,030,677; Feb. 11.
Draft control. G. F. Pembroke. 2,030,825; Feb. 11.
Draft controller. S. M. Green. 2,030,205; Feb. 11.
Drainage receptacle. C. N. Mitchell. 2,030,708; Feb. 11.
Draping machine. E. H. Clark. 2,030,744; Feb. 11.
Drawer, Concealed coin. E. W. Pace. 2,030,712; Feb. 11.
Drill: *See*—
  Bit rock drill.
Drill. H. C. Norley. 2,030,530; Feb. 11.
Drill bit. H. L. Klein. 2,030,374; Feb. 11.
Drill mechanism. R. K. Jeffrey. 2,030,636–7; Feb. 11.
Drive mechanism for shaker conveyers. W. W. Sloane. 2,030,330; Feb. 11.
Drive mechanism, Reduction. M. C. Hoxie. 2,030,700; Feb. 11.
Drying and mixing mechanism. E. B. Lockridge and L. W. Meyer. 2,030,645; Feb. 11.
Dyes and their preparation, Azo. A. H. Knight. 2,030,214; Feb. 11.
Dynamo-electric machine. S. R. Bergman. 2,030,678; Feb. 11.
Earth moving device. R. E. Choate and W. E. Rodler. 2,030,353; Feb. 11.
Educational device. G. L. LeFevre. 2,030,175; Feb. 11.
Educational test checking machine. S. R. Harding. 2,030,207; Feb. 11.
Egg holder. J. A. Fortes. 2,030,106; Feb. 11.
Electric arc discharge tube. G. Zecher. 2,030,420; Feb. 11.
Electric control. M. L. Dull. 2,030,573; Feb. 11.
Electric control system. F. W. Lyle. 2,030,118; Feb. 11.
Electric discharge apparatus. J. W. Dawson. 2,030,100; Feb. 11.
Electric discharge device. V. J. Francis and J. W. Ryde. 2,030,437; Feb. 11.
Electric discharge device. J. W. Ryde and H. G. Jenkins. 2,030,404; Feb. 11.
Electric discharge device, Gaseous. E. G. Dorgelo. 2,030,433–4; Feb. 11.
Electric discharge device, Gaseous. C. E. Kenty. 2,030,376; Feb. 11.
Electric discharge device, Gaseous. W. Uyterhoeven, C. Verburg, and E. G. Dorgelo. 2,030,414; Feb. 11.
Electric discharge device, Gaseous. K. Wiegand. 2,030,806; Feb. 11.
Electric discharge lamp, Gaseous. A. Rüttenauer. 2,030,402; Feb. 11.
Electric discharge lamp, Gaseous. A. Rüttenauer and O. Fritze. 2,030,403; Feb. 11.
Electric discharge lamp, Gaseous. K. Wiegand. 2,030,805; Feb. 11.
Electric discharge tube. G. L. Hertz. 2,030,521; Feb. 11.
Electric heater. R. F. James. 2,030,820; Feb. 11.
Electric lamp. L. J. Davies, C. Gilson, and W. J. Scott. 2,030,480; Feb. 11.
Electric lamp. E. Erber. 2,030,695; Feb. 11.
Electric plug. B. F. Muldoon. 2,030,115; Feb. 11.

Electric resistance device. E. R. Morton. 2,030,460; Feb. 11.
Electric signal. F. Toscano. 2,030,279; Feb. 11.
Electric switch. R. O. Eaton. 2,030,691; Feb. 11.
Electric switch. E. Williams. 2,030,671; Feb. 11.
Electric switch plug, Steam operated automatic. A. C. Wilcox. 2,030,083; Feb. 11.
Electrical apparatus. J. W. Dawson. 2,030,009; Feb. 11.
Electrical apparatus for the transmission of angular movements. G. M. Pestarini. 2,030,762; Feb. 11.
Electrical control, Apparatus for. F. W. Godsey, Jr. 2,030,202; Feb. 11.
Electrical control equipment. C. R. Hodgson, H. H. Knowles, and G. N. Lemmon. 2,030,589; Feb. 11.
Electrical reproducer. M. L. Dull. 2,030,574; Feb. 11.
Electrode mounting. W. W. Eitel and J. McCullough. 2,030,361; Feb. 11.
Electrolytic condenser. W. F. Straub and H. J. Lemmens. 2,030,122; Feb. 11.
Electronic relay. F. H. Gulliksen. 2,030,107; Feb. 11.
Elevator: *See*—
Air water elevator. Door type slip elevator.
Embroidering machine. M. Bretschneider. 2,030,495; Feb. 11.
Emplacing member for gun carriages and mounts. G. M. Barnes. 2,030,051; Feb. 11.
Emulsifying machine. C. E. Greener. 2,030,251; Feb. 11.
Emulsions. G. J. Manson. 2,030,385; Feb. 11.
Engine: *See*—
Internal combustion engine. Oil engine.
Engine. J. W. Kinnucan and J. O. Fink. 2,030,213; Feb. 11.
Engines, Testing device for internal combustion. P. G. Turner. 2,030,727; Feb. 11.
Envelope structure. A. V. Holloway. 2,030,634; Feb. 11.
Esters, Preparation of. H. L. Cox and P. S. Greer. 2,030,835; Feb. 11.
Fabrics, Method of and apparatus for washing. L. Pierce. 2,030,394; Feb. 11.
Face lifter. M. L. McLaughlin. 2,030,603; Feb. 11.
Fastener: *See*—
Container cover fastener. Strap fastener.
Separable fastener. Tag fastener.
Fastener. D. A. Brennan. 2,030,095; Feb. 11.
Faucet. W. U. Griffiths. 2,030,510; Feb. 11.
Feeding attachment for meat grinders. W. Naturkacs. 2,030,758; Feb. 11.
Feeding device. C. L. Post. 2,030,152; Feb. 11.
Feeding mechanism for rock drills. J. C. Curtis. 2,030,685; Feb. 11.
Feeler mechanism for looms. S. O. Dodge. 2,030,688; Feb. 11.
Feet, Apparant for treating. H. J. Dorrance. 2,030,358; Feb. 11.
Fibrous products and making the same. G. H. Ellis. 2,030,626; Feb. 11.
Filament support. R. C. Shermund. 2,030,326; Feb. 11.
Filing device. H. M. Uhlig. 2,030,728; Feb. 11.
Film of aluminium, Colored oxide. W. Anderau. 2,030,286; Feb. 11.
Films, Manufacture of rubber. P. H. Watkins. 2,030,729; Feb. 11.
Filmsy Production of. C. W. Bonniksen. 2,030,506; Feb. 11.
Filter: *See*—
Air filter. Continuous filter.
Firearm sight. I. O. Mossberg. 2,030,812; Feb. 11.
Firearm, Upturn-and-pullback bolt-action. O. F. Mossberg. 2,030,149; Feb. 11.
Fire extinguisher. F. C. Rahlmann. 2,030,468; Feb. 11.
Fireproofing. R. G. Quinn. 2,030,683; Feb. 11.
Fish boning device. H. L. Nelms. 2,030,463; Feb. 11.
Flash roasting. H. Freeman. 2,030,628; Feb. 11.
Flaws in electrical conductors, Detecting. L. J. DeLanty. 2,030,101; Feb. 11.
Flexible pocket receptacle. W. R. Buxton. 2,030,496; Feb. 11.
Floor clip. J. A. MacLean. 2,030,216; Feb. 11.
Fluids, Apparatus for metering. R. Lowe. 2,030,381; Feb. 11.
Forceps, Dental. G. C. Krajeski. 2,030,798; Feb. 11.
Fountain apparatus, Drinking. A. G. Haws. 2,030,280; Feb. 11.
Frame: *See*—
Quilting frame.
Freezing apparatus. G. F. Thoma. 2,030,233; Feb. 11.
Frequency modulation apparatus. G. L. Usselman. 2,030,125; Feb. 11.
Frog and switch track work. D. P. Steward and J. V. Stewart. 2,030,231; Feb. 11.
Fuel preparing and mixing apparatus for internal combustion engines. W. S. Falconer. 2,030,508; Feb. 11.
Fuel supply for internal combustion engines, Automatic auxiliary. I. E. Coffey. 2,030,745; Feb. 11.
Fuels, Burning liquid. H. A. Tiffany. 2,030,124; Feb. 11.
Furnace: *See*—
Immersion tube type furnace.
Furnace construction. D. Baird. 2,030,734; Feb. 11.
Furniture leg shoe. R. E. Miller. 2,030,640; Feb. 11.
Fuse, Electric. E. H. Taylor. 2,030,613; Feb. 11.
Fuse for projectiles, Point-detonating. D. L. Woodberry. 2,030,065; Feb. 11.
Game. J. F. Smith. 2,030,569; Feb. 11.
Game apparatus. H. B. Scherer. 2,030,872; Feb. 11.
Game, Double dummy bridge. I. R. Paris. 2,030,466; Feb. 11.
Garment, Infant's. P. Behringer. 2,030,091; Feb. 11.
Garments, Attachment for women's. M. E. Lala. 2,030,308; Feb. 11.
Gaseous discharge device, Electric. A. Haucke and H. Krefft. 2,030,450; Feb. 11.
Gaseous discharge device, Electric. H. R. Ruf. 2,030,491; Feb. 11.
Gaseous mixtures, Process and apparatus for cooling. M. Frankl. 2,030,500; Feb. 11.
Gases, Apparatus for proportioning the flow of. L. P. Day. 2,030,140; Feb. 11.
Gauge: *See*—
Vernier gauge.
Gauging machine. R. J. Brittain, Jr., and J. C. Bell. 2,030,237; Feb. 11.
Gear: *See*—
Change speed gear. Speed changing gear.
Gear assembly, Motorized reduction. O. L. Lewis. 2,030,260; Feb. 11.
Gear for geared propeller airplanes, Retractable landing. J. F. Haberlin. 2,030,293; Feb. 11.
Gear shifting mechanism for motor vehicles. E. G. Hill and E. W. Hey. 2,030,838; Feb. 11.
Generator. C. R. Hathaway. 2,030,108; Feb. 11.
Glass. L. Navias. 2,030,390; Feb. 11.
Glass, Alkali metal vapor resistant. M. Pirani and G. Galdies. 2,030,714; Feb. 11.
Glass, Apparatus for the manufacture of laminated. E. Donnini. 2,030,572; Feb. 11.
Glass articles, Manufacture of fabricated. O. Fritze and A. Rüttenauer. 2,030,439–40; Feb. 11.
Glass gathering and forming machine. R. W. Caulfield. 2,030,810; Feb. 11.
Glass, Producing nonshatterable. W. Pegler. 2,030,607; Feb. 11.
Glass, Sodium resistant. L. Navias. 2,030,389; Feb. 11.
Glass working apparatus. H. R. Schutz. 2,030,338; Feb. 11.
Glow tube control system. D. Applebaum. 2,030,492; Feb. 11.
Grandstand, Folding. F. C. Vance. 2,030,776; Feb. 11.
Granular product conditioner and products made therewith. H. V. Moss. 2,030,461; Feb. 11.
Grommet. W. A. Young. 2,030,088; Feb. 11.
Guard, Bumper. F. C. Howard. 2,030,255; Feb. 11.
Guard device. J. P. Donnebaum. 2,030,782–3; Feb. 11.
Guard for box ending machines, Safety. J. M. Minkus. 2,030,604; Feb. 11.
Gun of the mortar howitzer type. L. L. Driggs. 2,030,507; Feb. 11.
Hair waving appliance. T. H. Eins. 2,030,490; Feb. 11.
Hand, Artificial. D. W. Dorrance. 2,030,785; Feb. 11.
Hanger: *See*—
Pants hanger.
Hardware, Bracelets panic release, roller latching, revolving door. J. W. Shields and T. M. Hagenbuch. 2,030,547; Feb. 11.
Harvester, Tuber. J. G. Heaslet. 2,030,587; Feb. 11.
Haulage apparatus for operating soil scrapers, plows, reaping machines and the like. J. L. and A. T. Holman. 2,030,590; Feb. 11.
Heat distributing means. K. M. Hamilton. 2,030,519; Feb. 11.
Heat exchange apparatus. C. Field. 2,030,060; Feb. 11.
Heater: *See*—
Electric heater. Windshield heater.
Heater. E. F. Tobold. 2,030,614; Feb. 11.
Heating. O. A. Ross. 2,030,543; Feb. 11.
Heating block for the treatment of hair. J. Warst. 2,030,162; Feb. 11.
Heating system. O. A. Ross. 2,030,542; Feb. 11.
Heating system. O. A. Ross. 2,030,544; Feb. 11.
Helicopter. S. P. Vaughn. 2,030,078; Feb. 11.
Hoisting apparatus. J. E. Webster. 2,030,123; Feb. 11.
Holder: *See*—
Container holder. Paper holder.
Egg holder. Safety jar holder.
Necktie holder. Window sash holder.
Hormone, Isolation and purification of the gonad stimulating. F. L. Hisaw and H. L. Fevold. 2,030,210; Feb. 11.
Hormones, Isolation and purification of. F. L. Hisaw and H. L. Fevold. 2,030,209; Feb. 11.
Hose attaching device. V. Buchanan. 2,030,570; Feb. 11.
Hose support, Flexible. J. C. G. Maxwell. 2,030,218; Feb. 11.
Hosiery knitting machine, Full fashioned. H. B. Scaife. 2,030,477; Feb. 11.
Humidifier. L. Kresser. 2,030,453; Feb. 11.
Humidifier. L. V. Roberts and D. Chalmers. 2,030,151; Feb. 11.
Humidifier apparatus. L. Kresser. 2,030,454; Feb. 11.
Hydraulic actuating mechanism for domestic laundry appliances. J. T. Hume. 2,030,256–7; Feb. 11.
Hydraulic brake. H. E. Marsh. 2,030,308; Feb. 11.
Hydraulic press. L. A. Molin. 2,030,287; Feb. 11.
Hydraulic transmission. R. K. Jack. 2,030,299; Feb. 11.
Hydrocarbons, Cracking. H. L. Palmer. 2,030,293; Feb. 11.
Hydrocarbons for cracking and distillation, Apparatus for the expansion of. C. Still. 2,030,771; Feb. 11.

Hypogastric supporter. B. F. Pease. 2,030,224; Feb. 11.
Ice-cream cone, Favor-carrying. C. W. Vogt. 2,030,126; Feb. 11.
Ice cuber. C. F. Belshaw and W. J. La Casse. 2,030,735; Feb. 11.
Immersion tube type furnace. G. J. Hales. 2,030,098; Feb. 11.
Impact device. L. K. Davis. 2,030,686; Feb. 11.
Imprinting apparatus. E. C. Wells. 2,030,081; Feb. 11.
Impulser for musical instruments, Split phase. V. H. Severy. 2,030,230; Feb. 11.
Inclinometer. F. L. Martin. 2,030,068; Feb. 11.
Inclosures in envelopes, Mechanism for assembling and inserting. D. O. Royster. 2,030,656; Feb. 11.
Indexing service board. L. C. Eldridge and E. G. Symon. 2,030,517; Feb. 11.
Indicator: *See*—
Storage battery charge indicator.
Inductor, Variable. R. M. Heintz. 2,030,360; Feb. 11.
Insecticide. C. C. Hamilton. 2,030,584; Feb. 11.
Insects, Apparatus for destroying. L. B. and L. V. McWilliams. 2,030,310; Feb. 11.
Insulated and waterproofed structure, Internally. H. von Forster. 2,030,417; Feb. 11.
Internal combustion engine. K. Angel. 2,030,732; Feb. 11.
Internal combustion engine. L. M. Woolson. 2,030,086; Feb. 11.
Iron-free compounds of the earth metals, alkaline earth metals, rare earth metals, earth acids, or the like, Production of practically. G. Jaeger. 2,030,372; Feb. 11.
Iron oxide and sulphur dioxide from iron sulphide ores, Making. H. Freeman. 2,030,627; Feb. 11.
Ironing board. C. A. Rich. 2,030,587; Feb. 11.
Jack: *See*—
Pump jack.
Jacquard pattern mechanism for knitting machines and patterning effected thereby. R. H. Lawson, A. N. Cloutier, and A. L. Hutton, Jr. 2,030,516; Feb. 11.
Jig. W. A. Weightman. 2,030,339; Feb. 11.
Joint: *See*—
Resilient joint. Universal joint.
Key, Lock. G. D. Full and J. M. Muntner. 2,030,837; Feb. 11.
Keyboard cam. F. D. Harris. 2,030,789; Feb. 11.
Knitting machine. H. Feineman. 2,030,815; Feb. 11.
Knitting machine. A. Friedmann. 2,030,697; Feb. 11.
Lacquer, Fast colored. H. Neid and W. Jaeck. 2,030,264; Feb. 11.
Ladle, Torch support. L. O. Brown. 2,030,238; Feb. 11.
Lamp: *See*—
Electric discharge lamp. Electric lamp.
Lamp device, Gaseous electric discharge. L. Blok. 2,030,426; Feb. 11.
Lamp device, Gaseous electric discharge. A. Fehse and H. Krefft. 2,030,435; Feb. 11.
Lamp device, Gaseous electric discharge. H. Gooskens. 2,030,445; Feb. 11.
Lamp device, Gaseous electric discharge. M. Pirani. 2,030,715; Feb. 11.
Lamp device, Gaseous electric discharge. R. Rompe. 2,030,399; Feb. 11.
Lamp device, Gaseous electric discharge. K. Wiegand. 2,030,807; Feb. 11.
Last. J. B. Waterfield. 2,030,615; Feb. 11.
Lasts, Method of and machine for reforming. J. Fitzpatrick. 2,030,141; Feb. 11.
Lifesaving equipment for marine vessels. W. R. Shultz. 2,030,768; Feb. 11.
Lifter: *See*—
Face lifter.
Light target for illumination meters. W. N. Goodwin, Jr. 2,030,250; Feb. 11.
Lighter, Cigarette. I. Florman. 2,030,364; Feb. 11.
Lighter mechanism, Pyrophoric. C. J. Lagerholm. 2,030,831; Feb. 11.
Lighting system and apparatus. S. F. Arbuckle and G. H. Coulter. 2,030,620; Feb. 11.
Line holding trig, Mason's. J. Riley. 2,030,539; Feb. 11.
Linoleum tile or the like, E. Veltung. 2,030,556; Feb. 11.
Lip stick box. W. S. Erbele. 2,030,058; Feb. 11.
Liquid and fluid actuating device. A. Wicha. 2,030,131; Feb. 11.
Liquid, Apparatus for dispensing. F. C. Pfeil. 2,030,534; Feb. 11.
Loading apparatus. T. F. McCarthy. 2,030,145; Feb. 11.
Loading machine. F. A. Halleck. 2,030,063; Feb. 11.
Lock: *See*—
Brake lock. Shuttle pin lock.
Lock. G. D. Full and J. M. Muntner. 2,030,836; Feb. 11.
Lock. C. Ledin. 2,030,454; Feb. 11.
Locking mechanism. V. L. Maurin. 2,030,599; Feb. 11.
Loom for weaving. R. Rossmann. 2,030,270; Feb. 11.
Looms, Auxiliary pull-down motion for. J. W. McDaniel. 2,030,000; Feb. 11.
Looms, Feeler device for. J. P. Campo. 2,030,497; Feb. 11.
Loudspeaker cone diaphragm and producing same. D. H. Cunningham. 2,030,501; Feb. 11.
Lubricated plug valve. R. P. Sherman. 2,030,408; Feb. 11.
Lubricating device. J. Longo. 2,030,646; Feb. 11.
Lubricating mechanism, Automatic. R. L. Pate, Jr. 2,030,533; Feb. 11.
Lubricating system. H. F. Schmidt. 2,030,611; Feb. 11.
Lubrication and apparatus therefor. E. W. Davis. 2,030,504; Feb. 11.
Machine for operating upon hides, skins, and leather. R. P. Whitney. 2,030,130; Feb. 11.
Machine for the production of knitted fabrics. J. A. Phillips. 2,030,317; Feb. 11.
Machine tool, particularly milling machine having a counter support. R. Stuhlmacher. 2,030,481; Feb. 11.
Machinery for making receptacles. W. F. Newhouse and L. M. Hile. 2,030,071; Feb. 11.
Magnesium alloys, especially in shaped form, Improving. W. Schmidt, P. Spitaler, and W. Schultze. 2,030,707; Feb. 11.
Magnet system. A. Meissner. 2,030,648; Feb. 11.
Match box. G. E. Knauth. 2,030,797; Feb. 11.
Material from wood sheets, Preparation of leatherlike flexible and pliable. R. O. Herzog and A. Burgeni. 2,030,819; Feb. 11.
Material working apparatus. E. J. Svenson. 2,030,335; Feb. 11.
Materials contaminated with ammonium salts, Purification of. G. S. Simpson. 2,030,273; Feb. 11.
Materials, Manufacture of textile. F. C. Hale and G. C. Tyce. 2,030,252; Feb. 11.
Materials, Production of artificial. E. Kinsella and R. H. J. Riley. 2,030,212; Feb. 11.
Materials, Production of artificial. W. L. Taylor. 2,030,189; Feb. 11.
Mercury switch. C. Hatay. 2,030,449; Feb. 11.
Metal working apparatus. J. S. Barnes. 2,030,562; Feb. 11.
Metallurgical apparatus. D. L. Summey. 2,030,482; Feb. 11.
Meter: *See*—
Carbon pile meter. Watt hour meter.
Meter for photographic or cinematographic exposing apparatus, Combined objective and exposure. H. Küppenbender and M. Nowicki. 2,030,643; Feb. 11.
Mill: *See*—
Ore mill.
Mills, Feed control for. R. M. Hardgrove. 2,030,448; Feb. 11.
Mining apparatus. M. P. Holmes. 2,030,064–5; Feb. 11.
Mining machine. C. A. Pratt. 2,030,535; Feb. 11.
Mirrors, Producing. H. E. Smith. 2,030,476; Feb. 11.
Mixer: *See*—
Road surface mixer.
Mixer and sprayer, Fertilizer. W. Thorne. 2,030,278; Feb. 11.
Mold: *See*—
Concrete tile mold.
Mold extension for ingot molds. W. M. Charman. 2,030,199; Feb. 11.
Mold for battery cell connecters, Adjustable. W. L. Strock and E. C. Strock. 2,030,726; Feb. 11.
Mold for making commutators. V. G. Apple. 2,030,132; Feb. 11.
Mold for molding or embossing or the like plastic material such as dough. A. Kremmling. 2,030,642; Feb. 11.
Molding strip. W. E. Wilson. 2,030,730; Feb. 11.
Motion-transmitting mechanism. E. B. Gruber. 2,030,511; Feb. 11.
Motor: *See*—
Torque motor.
Motor control. F. J. Russell. 2,030,470; Feb. 11.
Mounting for rock drills. C. C. Hansen. 2,030,512; Feb. 11.
Mounting, Meter. W. M. Bradshaw and W. G. Mylius. 2,030,094; Feb. 11.
Moving coil voltage regulator. E. D. T. Norris. 2,030,606; Feb. 11.
Muff, Ear. E. W. Hermann. 2,030,790; Feb. 11.
Mute for stringed musical instrument. F. Q. Miranda. 2,030,220; Feb. 11.
Necktie holder. R. E. Mix. 2,030,756; Feb. 11.
Nitroanthraquinone-azoles, P. Nawiasky, B. Stein, E. Berthold, and R. Zell. 2,030,823; Feb. 11.
Objects, Apparatus for decorating. O. Austin. 2,030,042; Feb. 11.
Oil burner. C. J. Ohlsson. 2,030,531; Feb. 11.
Oil distillates, Treating mineral. R. H. Crosby and B. R. Carney. 2,030,245; Feb. 11.
Oil distillation. J. S. Wallis. 2,030,485; Feb. 11.
Oil engine. R. M. Dilworth. 2,030,247; Feb. 11.
Oil, Renovating. L. T. Evans. 2,030,577; Feb. 11.
Oil, Treatment of hydrocarbon. W. W. Gary. 2,030,305; Feb. 11.
Oils, Electrical dehydration of. M. E. Cerc. 2,030,198; Feb. 11.
Oils, Synthetic lubricating. F. H. MacLaren. 2,030,832; Feb. 11.
1-amino-2-anthraquinonyl-anthraquinone-azoles. P. Nawiasky, B. Stein, E. Berthold, and R. Zell. 2,030,824; Feb. 11.
Optical valve. G. W. Walton. 2,030,238; Feb. 11.
Ore mill. A. J. Schlunegger. 2,030,323; Feb. 11.

Ores by froth flotation, Concentrating all kinds of precious metal. C. G. R. Meiser. 2,030,526; Feb. 11.
Organic compounds, Production of oxygenated. R. L. Brown. 2,030,048; Feb. 11.
Orthodontia molding device. R. Lambert. 2,030,524; Feb. 11.
Oscillating system, Phase controlled. S. N. Baruch. 2,030,090; Feb. 11.
Oscillograph. G. M. Rassweiler and S. J. Martin. 2,030,654; Feb. 11.
Packer head, Fluid release. J. A. Crumley. 2,030,164; Feb. 11.
Page projector for recorders. J. W. Long and E. R. Wheeler. 2,030,831; Feb. 11.
Pan, Self-watering seed. F. T. Radley. 2,030,268; Feb. 11.
Pan supporting rack, Baking. T. B. Bradley. 2,030,349; Feb. 11.
Panels, Making metal. J. K. Paschel. 2,030,072; Feb. 11.
Pants hanger. J. A. French. 2,030,788; Feb. 11.
Paper, Fertilized mulch. E. R. Pratt. 2,030,267; Feb. 11.
Paper holder. A. A. McDonough and C. D. Vickers. 2,030,602; Feb. 11.
Paper, Manufacture of coated. D. D. Uong. 2,030,483; Feb. 11.
Paper stacking clamp. G. H. Cole. 2,030,353; Feb. 11.
Papers and the product thereof, Coating creped. W. W. Rowe. 2,030,156; Feb. 11.
Papers, Manufacture of parchment. G. A. Richter. 2,030,469; Feb. 11.
Parasiticide. E. W. Bousquet, G. D. Graves, and P. L. Salzberg. 2,030,083; Feb. 11.
Partition for cattle stalls, Adjustable. G. A. Miller. 2,030,755; Feb. 11.
Pastry making machine. C. F. Liles. 2,030,598; Feb. 11.
Pen, Soluble ink fountain. E. B. Kingman. 2,030,452; Feb. 11.
Penetrator-stem for hardness indicating apparatus. A. F. Shore. 2,030,475; Feb. 11.
Petroleum mixtures, Fractionating. G. B. Coubrough. 2,030,281; Feb. 11.
Phonograph. A. A. Johnson. 2,030,633; Feb. 11.
Photographic developer. H. Ulrich and K. Saurwein. 2,030,336; Feb. 11.
Photography, Apparatus for use in color. E. Gretener. 2,030,446; Feb. 11.
Photography, Composite. F. W. Jackman. 2,030,300; Feb. 11.
Picture record, Sound. T. W. Case. 2,030,098; Feb. 11.
Pie pan. M. M. Young. 2,030,244; Feb. 11.
Pipe, Manufacturing noncorrosive armored metal. W. A. Kraner. 2,030,515; Feb. 11.
Pipes, Apparatus for cleaning. L. I. Rivard and C. I. Bomster. 2,030,398; Feb. 11.
Pitch product and method of making, Blended. S. P. Miller. 2,030,528; Feb. 11.
Pitch product and preparing same. E. H. Ellms. 2,030,575; Feb. 11.
Pitch propeller, Variable. F. Goruki. 2,030,629; Feb. 11.
Plane, Power. G. Heimsath. 2,030,520; Feb. 11.
Plant support. L. Goldberg. 2,030,240; Feb. 11.
Planter, Wireless corn. W. A. Harrison. 2,030,368; Feb. 11.
Plastic masses, etc., containing cellulose esters, Producing. R. Müller, M. Schenck, and W. Wirbatz. 2,030,221; Feb. 11.
Plastic material and making same. H. Jenett. 2,030,066; Feb. 11.
Plow, Tractor. E. B. Bowen. 2,030,567; Feb. 11.
Plug: *See*—
Electric plug. Electric switch plug.
Plunger lift control. H. W. Fletcher and E. Neuhaus. 2,030,436; Feb. 11.
Pole for tree pruners, Jointed. J. L. Smith. 2,030,550; Feb. 11.
Post, Highway guard. O. D. Eggleston. 2,030,623; Feb. 11.
Potash, Making. E. Wiedbrauck and K. Bäche. 2,030,082; Feb. 11.
Powder composition, Black. C. W. Brooks, Jr. 2,030,006; Feb. 11.
Powder package and dispenser. J. E. Garnet. 2,030,787; Feb. 11.
Powdery material, Apparatus for delivering. A. G. Rose. 2,030,541; Feb. 11.
Power system. O. Wünsche. 2,030,673; Feb. 11.
Precision instrument. M. Ricci. 2,030,320; Feb. 11.
Press: *See*—
Hydraulic press. Printing press.
Pressing element for pressing machines. G. W. Johnson. 2,030,596; Feb. 11.
Pressing machine. G. W. Johnson. 2,030,595; Feb. 11.
Pressure relief valve. T. G. A. Sillers. 2,030,121; Feb. 11.
Primary cell. M. L. Martus, E. H. Becker, and J. G. Ross. 2,030,177; Feb. 11.
Printing. T. E. Knowlton. 2,030,304; Feb. 11.
Printing press. W. M. Kelly. 2,030,173; Feb. 11.
Projection system. R. F. Dirkes and R. Stoeneck. 2,030,812; Feb. 11.
Projector. R. E. Wilson. 2,030,490; Feb. 11.
Projector head for oil burners, Rotary. H. A. Tiffany. 2,030,123; Feb. 11.
Propeller, fan, and exhauster. S. Cegiowski. 2,030,622; Feb. 11.
Protective apparatus. O. C. Traver and C. R. Mann. 2,030,665; Feb. 11.
Protective receptacle. C. F. Mallink. 2,030,519; Feb. 11.
Puller: *See*—
Weed puller.
Pulp, Bleaching. A. J. Luth, R. A. Nugent, and N. R. Christian. 2,030,134; Feb. 11.
Pulp, Treating. A. J. Luth, R. A. Nugent, and N. R. Christian. 2,030,382–3; Feb. 11.
Pulverizer. F. M. Iler. 2,030,330; Feb. 11.
Pump: *See*—
Displacement pump. Screw pump.
Pump. H. Allen. 2,030,041; Feb. 11.
Pump. F. S. Horstmann. 2,030,206; Feb. 11.
Pump jack. W. R. Cummins. 2,030,282; Feb. 11.
Punch, Hydraulic. F. L. Scott. 2,030,721; Feb. 11.
Punching device. M. Ahlenius. 2,030,346; Feb. 11.
Punching mechanism. A. H. Dickinson. 2,030,432; Feb. 11.
Quilting frame. E. E. Pike. 2,030,608; Feb. 11.
Rack: *See*—
Pan Supporting rack. Towel rack.
Radio apparatus. W. A. Schaper. 2,030,271; Feb. 11.
Radio signaling, Directional. E. K. Potter. 2,030,131; Feb. 11.
Rail joint in track, Repairing a. G. Langford. 2,030,704; Feb. 11.
Railroad signal. A. H. Told. 2,030,190; Feb. 11.
Rainwater trap. H. P. Pearce. 2,030,467; Feb. 11.
Rake. W. G. Rocquin. 2,030,185; Feb. 11.
Rake, Double acting garden. E. H. Ruckles. 2,030,211; Feb. 11.
Rake, Sand trap. E. J. Bacigalupi. 2,030,424; Feb. 11.
Rayon, Soft-luster. E. S. Bley. 2,030,740; Feb. 11.
Razor. L. K. Kuhni. 2,030,706; Feb. 11.
Razor blade. R. B. Thompson. 2,030,833; Feb. 11.
Razor, Safety. F. F. Schlattau. 2,030,706; Feb. 11.
Razor, Safety. E. Schoedlbauer. 2,030,650; Feb. 11.
Receptable: *See*—
Drainage receptacle. Protective receptacle.
Flexible pocket receptacle.
Receptacle for attachment plug caps. C. T. Von Hein. 2,030,079; Feb. 11.
Receptacle for motion picture films. J. T. Nist. 2,030,485; Feb. 11.
Receptacles, Apparatus for filling. L. B. Winter. 2,030,094; Feb. 11.
Record, Laminated. B. C. Bron. 2,030,563; Feb. 11.
Record perforating machine. J. T. Schaaf. 2,030,466; Feb. 11.
Recording mechanism. J. B. Strauss. 2,030,479; Feb. 11.
Rectifier and the like. E. F. Randall. 2,030,396; Feb. 11.
Refrigerating construction. F. H. Hibberd, G. E. Woodard, and J. Kirgan. 2,030,514; Feb. 11.
Refrigerating system. L. W. Atchison. 2,030,676; Feb. 11.
Refrigerating system, Solan operated. A. T. Brenner. 2,030,350; Feb. 11.
Refrigerator. J. A. Stone. 2,030,418; Feb. 11.
Refrigerator construction. W. C. Fuller. 2,030,291; Feb. 11.
Refuse catching and removing device for floors. I. T. Skiles. 2,030,077; Feb. 11.
Regulator: *See*—
Moving coin voltage regulator. Vapor regulator.
Wind screen.
Remote control for theater lights. R. D. Ross. 2,030,891; Feb. 11.
Resilient joint. J. W. Leighton. 2,030,730; Feb. 11.
Resorcinols, Alkyl. W. E. Austin. 2,030,423; Feb. 11.
Return bend for cracking stills. C. E. Ard. 2,030,409; Feb. 11.
Rivet. L. C. Huck. 2,030,169–70; Feb. 11.
Rivet. E. A. Miller. 2,030,167–8; Feb. 11.
Rivet and setting the same. L. C. Huck. 2,030,165–6; Feb. 11.
Rivets, Manufacturing. L. C. Huck. 2,030,171; Feb. 11.
Road surface mixer. T. E. Chamberlain. 2,030,883; Feb. 11.
Rodding and tamping machine for concrete. R. J. Noble. 2,030,315; Feb. 11.
Roller bearing bit. L. E. Garfield and F. L. Scott. 2,030,442; Feb. 11.
Roller coating machine. W. E. Shehan. 2,030,225; Feb. 11.
Rolling, Method and apparatus for. A. J. Haslett. 2,030,586; Feb. 11.
Rubber, Manufacture of. B. M. Unger. 2,030,191; Feb. 11.
Rustproofing composition and coating iron and steel. G. A. McDonald. 2,030,601; Feb. 11.
Saddle. J. W. Brandt. 2,030,800; Feb. 11.
Safety device for cranes and the like. A. F. Nash. 2,030,529; Feb. 11.
Safety device for manhole covers. C. E. Rego. 2,030,135; Feb. 11.
Safety jar holder. R. Cantini. 2,030,742; Feb. 11.
Safetypin. J. M. Abrams. 2,030,674; Feb. 11.
Salts, Avoiding setting phenomena in commercially prepared. J. Haas and G. Adolf. 2,030,583; Feb. 11.
Salts, Making ammonium. E. R. Cushing. 2,030,811; Feb. 11.
Salts of barium and strontium, Manufacturing soluble. R. N. Shreve, W. N. Pritchard, Jr., H. V. Farr, A. J. Still, and J. D. Crosby. 2,030,656; Feb. 11.
Sander, Track. W. H. White. 2,030,669; Feb. 11.

Saws, Cutting, setting and sharpening circular. E. Poeggel. 2,030,235; Feb. 11.
Scale. H. L. Walker. 2,030,666–7; Feb. 11.
Scale, Weighing and counting. W. N. Gilbert. 2,030,444; Feb. 11.
Scooter. E. P. Kassegviser. 2,030,796; Feb. 11.
Screen for use with lenticulated films, Multicolor. E. Gretener. 2,030,447; Feb. 11.
Screens, Making photographic stencil. E. B. Young. 2,030,731; Feb. 11.
Screw pump. J. L. Adams, Jr. 2,030,560; Feb. 11.
Seal for rotary engines. H. E. Kempton. 2,030,806; Feb. 11.
Seam and making same, Wire-cloth. N. W. Webb. 2,030,616; Feb. 11.
Seat for valves, Resilient. M. S. McKellar, E. P. Sherman, and H. W. Fletcher. 2,030,458; Feb. 11.
Seed from wheat, Separation of garlic and onion. B. Harts. 2,030,632; Feb. 11.
Seed mixer and agitator. A. Holmquist. 2,030,591; Feb. 11.
Separable fastener. G. G. Sahlin. 2,030,471; Feb. 11.
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Air separator.
Setting and indicating device for geared lathe headstocks. L. A. Carter. 2,030,097; Feb. 11.
Sewing machine, Blind stitch. J. Mann. 2,030,781; Feb. 11.
Shaker, Cocktail. S. Cominsky. 2,030,834; Feb. 11.
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Sharpener for the blades of edged tools. P. von der Lippen. 2,030,161; Feb. 11.
Shears, Pruning. C. G. Hampton. 2,030,585; Feb. 11.
Sheet material and making same, Crinkled. J. J. Galligan and F. O. Thornton, Jr. 2,030,746; Feb. 11.
Sheets, Apparatus for finishing. E. M. Fenton. 2,030,817; Feb. 11.
Shielding device. P. Strehmel. 2,030,275; Feb. 11.
Ship's davit. G. W. Carr. 2,030,136; Feb. 11.
Shirt and combination garment, Health. M. Gottschalk and J. M. Abrahams. 2,030,581; Feb. 11.
Shoe construction. E. J. Story and J. M. Delaney. 2,030,276; Feb. 11.
Shoe heels, Method of and apparatus for attaching. M. Cuozzo. 2,030,139; Feb. 11.
Short wave tube. B. Salzberg. 2,030,187; Feb. 11.
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Shuttle pin lock. C. P. Park. 2,030,713; Feb. 11.
Signal: *See*—
Automobile signal. Railroad signal.
Electric signal.
Signal for vehicles, Direction. W. G. Baade. 2,030,043; Feb. 11.
Signal system, Block. W. H. Arkenburgh. 2,030,675; Feb. 11.
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Signal system for motor vehicles, Flashing. H. F. Theilacker. 2,030,684; Feb. 11.
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Silicon rayon, Producing. E. S. Bley. 2,030,739; Feb. 11.
Skylight or floorlight construction. J. M. Richards. 2,030,718; Feb. 11.
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Slots, Cutting. C. J. Coberly. 2,030,050; Feb. 11.
Socket, Tube. R. Hensel, K. Hess, and J. Richter. 2,030,254; Feb. 11.
Soda, Purification of caustic. H. G. Elledge and A. Hirsch. 2,030,694; Feb. 11.
Sole, Porous boot or shoe. H. Schulze. 2,030,345; Feb. 11.
Solid rectifying element. O. Geisler. 2,030,443; Feb. 11.
Solvent recovery in oil extraction processes. S. H. Digby. 2,030,284; Feb. 11.
Soot blowing tube. D. R. Hibner, Jr. 2,030,830; Feb. 11.
Sound, Apparatus for producing synthetic electronic. I. Eremeeff. 2,030,248; Feb. 11.
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Sound recording system. I. M. Chambers. 2,030,428; Feb. 11.
Space discharge device. W. W. Ettel and J. McCullough. 2,030,362; Feb. 11.
Spark generating system. D. W. Randolph, O. S. Duffendack, and R. A. Wolfe. 2,030,228; Feb. 11.
Speed changing gear, Differential. A. Pitsenbarger. 2,030,761; Feb. 11.
Speed indicator and tension regulator for warp knitting machine. W. J. Denston and J. L. Beers. 2,030,425; Feb. 11.
Spider. S. W. Long. 2,030,111; Feb. 11.
Splash oiling system. R. M. McMillin and A. Taub. 2,030,647; Feb. 11.
Splicing method. J. W. Channell. 2,030,053; Feb. 11.
Sprayer, Insecticide. A. R. Lavitt and H. L. Pearson. 2,030,250; Feb. 11.
Spring: *See*—
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Spring means for car truck bolsters. C. R. Busch. 2,030,681; Feb. 11.
Sprinkler, Lawn. N. R. Moore. 2,030,605; Feb. 11.
Stain cover. L. L. Hazel. 2,030,294; Feb. 11.
Stairway, Moving. J. Dunlop. 2,030,103; Feb. 11.
Stamp, Printing. P. Beghetti. 2,030,044; Feb. 11.
Steam boiler. F. H. Daniels. 2,030,503; Feb. 11.
Steering device for vehicles. J. Ganz. 2,030,441; Feb. 11.
Steering mechanism. O. F. Landelius and M. M. Leller. 2,030,822; Feb. 11.
Stem for electron discharge devices. G. M. Rose, Jr. 2,030,185; Feb. 11.
Stem making apparatus. G. M. Rose. 2,030,186; Feb. 11.
Sterilizing apparatus. J. E. Myers. 2,030,514; Feb. 11.
Stop-off for centrifugal casting molds. H. H. Eurich and H. F. Anthony. 2,030,105; Feb. 11.
Storage battery. W. E. Reinhardt. 2,030,716–17; Feb. 11.
Storage battery charge indicator. F. J. Pease. 2,030,651; Feb. 11.
Stove. L. L. Kahn. 2,030,639; Feb. 11.
Stove construction. C. J. and W. F. Rogers. 2,030,540; Feb. 11.
Stoves and ranges, Constructing. J. Teller. 2,030,772; Feb. 11.
Strainer, Food. M. S. Stewart. 2,030,274; Feb. 11.
Strands, Method of and apparatus for handling. E. E. Franz. 2,030,488; Feb. 11.
Strap fastener. L. J. Barnes. 2,030,563; Feb. 11.
Stropper. W. E. Watts and J. W. Lowry. 2,030,238; Feb. 11.
Structural material and shaped articles thereof, Making compound. P. Schwarzkopf. 2,030,229; Feb. 11.
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Superheater. W. H. Armacost. 2,030,422; Feb. 11.
Superregenerative receiving system. N. M. Rust and E. F. O'Neill. 2,030,120; Feb. 11.
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Support for vehicles, Yielding. G. A. Mercer, Jr. 2,030,263; Feb. 11.
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Tabulating machine. E. Bubler. 2,030,427; Feb. 11.
Tag fastener. C. A. Flood. 2,030,262; Feb. 11.
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Tank washing and watering device. W. H. Bell. 2,030,194; Feb. 11.
Tar acid product and producing it. C. E. Downs and E. P. Weiss. 2,030,690; Feb. 11.
Telegraph lines to interference, Testing the susceptibility of. G. L. Erickson and J. J. Christoffel. 2,030,814; Feb. 11.
Telephone exchange system. F. A. Stearn. 2,030,412; Feb. 11.
Telephone exchange system. S. B. Williams. 2,030,419; Feb. 11.
Telephone system. E. L. Vibbard. 2,030,415–16; Feb. 11.
Temperatures in the refrigerating systems of package sealing machines, Controlling. M. A. Sticelber. 2,030,725; Feb. 11.
Test-block for electric meters. E. G. Johansson. 2,030,522; Feb. 11.
Testing device for threaded articles. F. C. Nilson. 2,030,464; Feb. 11.
Testing machine. D. M. Warner. 2,030,418; Feb. 11.
Testing machine, Portable. A. B. Kinzel. 2,030,640; Feb. 11.
Testing machine, Universal. R. B. Lewis. 2,030,457; Feb. 11.
Textile operations. W. A. Dickie and A. H. Gentle. 2,030,102; Feb. 11.
Thread and reticulated sheets of rubber or similar material, Making elastic. M. M. Harrison. 2,030,208; Feb. 11.
Thrust bearing. J. Doisa. 2,030,813; Feb. 11.
Time-cycle controller. W. J. Kerr and R. C. Miller. 2,030,451; Feb. 11.
Timer for concrete mixers. R. C. Garber and H. R. McDermott. 2,030,747; Feb. 11.
Timing mechanism for glass feeders. O. M. Tucker and W. A. Reeves. 2,030,804; Feb. 11.
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Tire building drum. A. L. Heston. 2,030,749; Feb. 11.

Tire inflater, Automatic. O. W. Hosking. 2,030,592–3; Feb. 11.
Tire, Vehicle wheel. F. K. Kreuta. 2,030,215; Feb. 11.
Tire, Wheel. G. F. A. Corts. 2,030,243; Feb. 11.
Tool for making snap fasteners for bag frames. E. W. Schantz. 2,030,400; Feb. 11.
Tool set and container therefor. W. F. Costello. 2,030,138; Feb. 11.
Top, Spinning. W. L. Jones. 2,030,302; Feb. 11.
Torque loading lash adjusting device for friction roller transmissions. W. D. Gove and J. Dolza. 2,030,208; Feb. 11.
Torque motor. E. S. Taylor. 2,030,277; Feb. 11.
Towel rack. A. J. Chmurski. 2,030,498; Feb. 11.
Towel vending machine. H. F. Mayfield. 2,030,525; Feb. 11.
Toy aeroplane. W. E. Back. 2,030,347; Feb. 11.
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Trap: *See*—
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Treating apparatus. O. Oppenlaender, R. J. Gollong, and R. H. Carter. 2,030,711; Feb. 11.
Trees of insects, Apparatus for ridding. E. Bernits, Sr. 2,030,052; Feb. 11.
Trench digger and back-filling machine. W. A. Billings. 2,030,045; Feb. 11.
Trimming machine. A. Eppler. 2,030,057; Feb. 11.
Truck. J. A. Lamont. 2,030,144; Feb. 11.
Truck or tractor with two rear axles. H. R. M. G. Smeets. 2,030,548; Feb. 11.
Truss or bridge. T. Maddock. 2,030,262; Feb. 11.
Tube: *See*—
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Tube base. G. M. Rose, Jr. 2,030,184; Feb. 11.
Tubes, Manufacture of electric discharge. A. G. Pearce. 2,030,392; Feb. 11.
Tubes to power transmission lines, Device for applying luminescent. J.-B. J. M. Abadie. 2,030,491; Feb. 11.
Tuned vibrating system. T. Aamodt. 2,030,421; Feb. 11.
Tuning mechanism. A. G. Wheller. 2,030,129; Feb. 11.
Turpentine oils, Catalytic oxidation of. W. Schrauth. 2,030,802; Feb. 11.
Typewriting machine. W. A. Dobson. 2,030,056; Feb. 11.
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Typewriting marginator, Automatic. T. Pimental. 2,030,395; Feb. 11.
Undergarment. H. Schoebel. 2,030,826; Feb. 11.
Universal joint. R. B. Poole. 2,030,074; Feb. 11.
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Vacuum cleaner, Electric. O. Grave. 2,030,366–7; Feb. 11.
Vacuum discharge apparatus, Arrangement for supervising the vacuum, i. e. the gas or vapor pressure, in. W. Dallenbach. 2,030,781; Feb. 11.
Vacuum discharge apparatus, Grid-controlled electric. J. von Issendorff. 2,030,127; Feb. 11.
Vacuum tube periodic relay. G. E. Horton, Jr. 2,030,794; Feb. 11.
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Valve for controlling flow of milk and air in milking machines. C. H. Hapgood. 2,030,513; Feb. 11.
Valve operating mechanism. G. Cawley. 2,030,371; Feb. 11.
Valves, Making hollow head. A. T. Colwell. 2,030,500; Feb. 11.
Vapor phase oxidation. E. Riegler. 2,030,800; Feb. 11.
Vapor regulator. L. H. Gillick and E. A. Russell. 2,030,580; Feb. 11.
Vaporizer device. J. Robinson. 2,030,075; Feb. 11.
Vehicle, Combined road and rail. K. Y. Mesbit. 2,030,311; Feb. 11.
Vehicle end framing. W. H. Massey and M. P. Blomberg. 2,030,462; Feb. 11.
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Wall structure, Plastic. E. T. Ferngren. 2,030,059; Feb. 11.
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Weed puller. E. L. Smith. 2,030,770; Feb. 11.
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Wheel. C. Sauzedde. 2,030,076; Feb. 11.
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Winding apparatus. H. Snyder. 2,030,660; Feb. 11.
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Wiper mechanism, Windshield. B. B. Evans. 2,030,296; Feb. 11.
Wire, Pile. O. J. Pickard and F. Pickard. 2,030,188; Feb. 11.
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Attorneys—Disbarment

(Order No. 3,332)

Acting under the provisions of section 487 of the Revised Statutes of the United States (U. S. C., title 35, sec. 11) C. W. Van Arsdalen of 822 Land Title Building, Philadelphia, Pa., whose registration is Number 7,107, is hereby disbarred from practice before the United States Patent Office.

CONWAY P. COE,
Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, Washington, *Jan. 30, 1936.*

Mexican American Habanero Corporation, its assignee or legal representatives take notice:

An application for cancellation having been filed in this Office by C. F. Hernandez, S. en C., de Chile 24 Cuahutemotzin, Mexico, D. F., to effect the cancellation of trade-mark registration of Mexican American Habanero Corporation, 25 East 40th Street, New York, N. Y., No. 310,856, dated December 4, 1934, and the notice of such proceeding sent by registered mail to the said Mexican American Habanero Corporation at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Mexican American Habanero Corporation, its assignee or legal representatives, shall enter an appearance herein within thirty days from the first publication of this notice the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

U. S. PATENT OFFICE, Washington, *Jan. 30, 1936.*

Robinhen Corporation, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted in this Office upon the application of Sears, Roebuck and Co., 925 South Homan Avenue, Chicago, Ill., to effect the cancellation of trade-mark registration No. 174,210, issued October 9, 1923, to Robinhen Corporation, 512 Fifth Avenue, New York, N. Y., and a notice of such proceeding sent by registered mail to said Robinhen Corporation at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Robinhen Corporation, its assigns or legal representatives shall enter an appearance within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

Disclaimers

T. M. 323,090.—Herbert W. Pittsburgh, New York, N. Y. TRADE-MARK "STYLNITREND" FOR MEN'S AND BOYS', WOMEN'S, MISSES', CHILDREN'S, AND INFANTS' HOSIERY, UNDERWEAR, SWEATERS, ETC. Registered June 4, 1935. Disclaimer filed December 11, 1935, by the registrant, Herbert W. Pittsburgh.

Hereby enters disclaimer to men's and boys' hosiery, sweaters, bathing suits; men's dress and negligee shirts, boys' shirts and blouses; women's, misses', children's, and infants' wash dresses, blouses, and aprons, * * *.

1,755,114.—Louis A. Hazeltine, Hoboken, N. J. UNIDIRECTIONAL SIGNALING SYSTEM. Patent dated April 15, 1930. Disclaimer filed January 18, 1936, by the patentee, the assignee, *Hazeltine Corporation*, assenting.

Hereby enters this disclaimer to claims 10, 12, 13, 14, 16, 17, 19, 21, 23, 24, and 29 of said patent.

Renewal of Forfeited Cases

A petition for the renewal of a forfeited application need not be signed by the inventor or assignee, but may be signed by the attorney.

A power of attorney in the original application authorizing an attorney to transact all business in the Patent Office in connection with the application construed to be of sufficient scope to include the signing of a petition for renewal and the subsequent prosecution of the application. (*Ex parte Apel*, 101 O. G., 1903.)

Condition of Applications Under Examination at Close of Business February 1, 1936

Room No.	Divisions, Examiners, and Subjects of Inventions (Total number of applications awaiting action, including Trade-Mark Division, 33,132; Trade-Mark Division, 1,388. Oldest new case, October 2, 1935; oldest amended, October 1, 1935. The dates given are 1936 except where † indicates 1935.)	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications available for action
9624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Cleaning Operations; Fences; Gates; Tillage.	Dec. 3	Dec. 4	221
8705	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Prunes, Tobacco, Velocipedes; Butchering; Bee Culture.	Oct. 24	Oct. 25	72
4206	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Nov. 1	Nov. 1	68
7652	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Steam Service; Pneumatic Despatch; Fluid Pressure Brakes.	Nov. 7	Nov. 1	38
2625	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Nov. 6	Nov. 6	46
4956 O	6. LEWERS, A. M., Carbon Chemistry	Nov. 2	Nov. 3	222
8725	7. JARBOE, C. G., Optics; Photography	Nov. 20	Nov. 20	222
2820	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Books and Cabinets	Nov. 2	Nov. 2	222
4234	9. ADAMS, E. R., Pumps; Fluid and Fluid-Current Motors	Dec. 20	Dec. 20	222
6612	10. HUNTER, O. P., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Dec. 2	Dec. 12	222
8057 B	11. BENHAM, R. W., Boots, Shoes, and Leggings; Buttons, Eyelet, and Rivet Setting; Harness; Leather Manufacturing; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Nov. 4	Nov. 2	47
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Nov. 2	Nov. 5	46
8260	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Dec. 2	Dec. 2	222
8957	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements; Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Barbing and Pronging.	Nov. 1	Oct. 28	86
4997	15. WORRELL, I. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 28	Nov. 28	68
8819	16. SPENCER, C. J., Telegraphy; Telephony	Nov. 1	Nov. 1	222
8761	17. ARMSTRONG, H., Ornamentation; Paper Manufacture; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 13	Nov. 9	88
4822	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 1	Nov. 2	222
4906	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Nov. 1	Nov. 6	444
6612	20. GROVE, S. D., Miscellaneous Hardware; Closure Fastenings; Locks; Latches; Safes; Undertaking	Nov. 8	Nov. 2	222
7722	21. THOMPSON, T. J., Textiles; Cloth Finishing	Nov. 11	Nov. 14	222
8726	22. RINGLE, D., Arresting; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Nov. 5	Nov. 3	222
7694	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Oct. 2	Oct. 1	222
2562	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Nov. 12	Nov. 12	222
8709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Commutators.	Nov. 8	Nov. 2	222
8868	26. ADAMS, W. M., Electricity, Generation; Motive Power	Nov. 28	Nov. 28	222
8788	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Nov. 5	Nov. 7	222
8725	28. BENSON, A. R., Internal-Combustion Engines	Nov. 27	Nov. 12	222
4868	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Fixtures and Article Carriers; Bureau and Collection Receptacles; Supports, Tables.	Nov. 2	Nov. 2	222
4974	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illuminating, Therapeutic and Humidostats.	Nov. 1	Nov. 1	68
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Nov. 1	Nov. 1	68
4982	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Dec. 3	Dec. 3	222
8986	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roads; Roads and Pavements.	Nov. 11	Nov. 6	88
8835	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Nov. 7	Nov. 2	46
8699	35. REYNOLDS, R. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing; Portable Receptacles.	Nov. 2	Nov. 2	46
7992	36. McFADYEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Nov. 26	Nov. 26	222
8986 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Nov. 1	Nov. 5	68
7650	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Nov. 4	Nov. 18	88
8772	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 20	Dec. 3	222
7680	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Oct. 31	Nov. 2	68
8985	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Nov. 22	Nov. 22	68
8822	42. CUTTING, H. O., Electric Signaling	Nov. 7	Oct. 31	24
4986 B	43. KLINGE, R. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Nov. 15	Nov. 19	68
4987 B	44. SHAVER, C. H., Refrigeration; Dispensing Beverages	Oct. 26	Oct. 21	68
7697	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Dec. 11	Dec. 16	222
4813	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements.	Nov. 3	Nov. 3	68
7980	47. BARKER, H., Clutches; Brakes	Nov. 13	Nov. 13	68
8781	48. ROEPKE, O. D., Electricity, General Applications; Igniters	Nov. 2	Nov. 2	68
7728	49. SHEFFIELD, R. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Dec. 2	Dec. 2	222
4761	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Oct. 28	Oct. 29	68
8828	51. BACKUS, C. D., Radiant Energy	Nov. 27	Nov. 27	68
7760	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Nov. 6	Nov. 1	46
8987	53. PECK, M. E., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Nov. 2	Nov. 4	461
8974	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Nov. 4	Nov. 2	68
6957	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Nov. 5	Nov. 6	68
4726	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation	Nov. 1	Nov. 1	222
8826	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Kindling Devices.	Nov. 26	Dec. 6	222
8805	58. DOWELL, R. F., Abrading; Bottles and Jars	Nov. 1	Nov. 4	68
4709	59. RICHARD, V. L., Chemistry; Fertilizers	Nov. 5	Nov. 11	68
8966	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistance and Rheostats; Prime-Mover Dynamo Plants.	Dec. 2	Dec. 2	222
8734	61. PARKS, G. B., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Nov. 7	Nov. 9	88
3276	62. COCHRAN, W. W., Games; Geometrical Instruments	Nov. 28	Dec. 4	222
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Oct. 16	Oct. 16	68
4703	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Cooling Compositions; Fuel; Alcohol.	Nov. 14	Nov. 14	68
8234	65. McDERMOTT, E. F., Electricity, Condensers; Repeaters; Relays; Wave Transmission	Oct. 24	Oct. 24	222
2560 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND	†Jan. 2	†Jan. 16	1,388
		†Jan. 2	†Jan. 17	222
2966	Designs, H. H. KALUPY (Act.)	†Jan. 2	†Jan. 16	68

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE McCALLUM AND SCHRAUBSTADTER

No. 3,498. Decided December 5, 1935

PATENTABILITY—PROCESS OF TREATING PYRITES.

Claims for process of treating pyrites *held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. James A. Carr, Mr. Joseph J. Gravely, and *Mr. R. Peale Herrick* for McCallum and Schraubstadter.

Mr. R. F. Whitehead and *Mr. Howard E. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.:*

The appellants filed their application in the United States Patent Office for a patent upon an alleged new and useful improvement in a process for treating pyrites. In connection with this application, 29 claims were filed, numbered from 1 to 29, inclusive. All claims were rejected by the Examiner. On appeal, the Board of Appeals reversed the decision of the Examiner as to claims 20, 21, 22, 24, and 25, and affirmed the same as to the remaining claims. The appellants have appealed as to all claims rejected by said decision of affirmance.

Claims 2, 8, 13, 18, 20, and 29 are thought to be typical of all the rejected claims, and are as follows:

2. The process which comprises burning pulverized pyrites in suspension in an atmosphere laden with oxygen, separating out the greater portion of the solid matter, and passing the gaseous matter with the remaining solid matter suspended therein into a reducing atmosphere kept at a temperature above the point of condensation of sulphur vapor, again separating out the solid matter and cooling the gaseous matter below the temperature at which sulphur vapor condenses.

8. The process of producing flowers of sulphur from iron pyrites which consists in burning pulverized pyrites in a blast of air whose oxygen content is somewhat insufficient to oxidize all of such pyrites, subjecting the gaseous products of such burning with free sulphide suspended therein but without free oxygen to a temperature in excess of the point of condensation of sulphur vapor, and drawing off and cooling the gaseous products to a temperature below that at which sulphur vapor condenses.

13. The process which comprises burning pulverized pyrites in suspension in an atmosphere so adjusted as to temperature and oxygen as to promote the oxidation of the iron, and the reduction to elemental sulphur of the sulphur compounds, supplying steam or other form of water vapor to promote the more rapid oxidation of the iron and reduction of the sulphur compounds, settling or otherwise separating out the greater portion of the solid matter and conveying the sulphur vapors and gases into a condenser for the recovery of the elemental sulphur.

18. The process which comprises burning pulverized pyrites in suspension within a suitable reaction chamber and generating therein by oxidation of the pyrites particles a porous catalytic agent which is autogenetic coincident with the burning of the pyrites.

20. The process which comprises substantially autopyrogenetically treating pulverized sulphides in suspension in such a manner that the chemically basic constituents are convertible to and recoverable in an oxidized state, while the sulphur constituents are reducible to and recoverable in the form of elemental sulphur.

29. The process which comprises burning sulphides in suspension in a reaction zone and maintaining within such zone an equilibrium of oxidation and reduction whereby the reduction of the sulphur compounds to elemental sulphur is promoted.

Appellants' alleged invention consists of a process for treating pyrites, and for the recovery of its constituent elements, chiefly having reference to the recovery of sulphur. In the process, iron pyrites (FeS_2) is first "finely divided." This finely divided substance is blown into the upper portion of a combustion chamber, in suspension in a current of air, by means of a blower. When the process is initiated, a series of burner jets surrounding the inlet to the combustion chamber is lighted, the fuel supply being any suitable substance, such as gas, powdered coal or powdered coke. The burning jets are utilized in the process until reaction starts within the combustion chamber, after which the jets are closed, the reaction supplying enough heat to complete the process. The appellants recite in their specification: "The quantity of oxygen is controlled so as to be somewhat less than that required for complete oxidation of the pyrites."

As the air and pyrites enter the combustion chamber, decomposition is started. Some of the pyrites remains unchanged, some of it is changed to iron sulphide (FeS), a large portion is decomposed into other iron oxides, including ferrosoferric oxide (Fe_3O_4) and into sulphur dioxide (SO_2) and elemental sulphur (S).

From the combustion chamber, the current of gases and vapors enters a chamber called the reducing chamber, which is illustrated as a vertical chamber with funnel-shaped base and an endless belt arrangement passing the bottom orifice of the chamber to carry off such heavy oxides as are deposited out of the current.

It is claimed that the reaction in the combustion chamber is rapid and complete, and is catalytically accelerated by the ferrosoferric oxide produced in the operation. Some of this ferrosoferric oxide is carried over into the reducing chamber, and there continues its work as a catalyst. The temperature in this reducing chamber is kept above the point at which sulphur vapor condenses, that is, above 445 degrees centigrade. In this reducing chamber it is claimed that the remaining sulphur dioxide is deprived of its oxygen and that the elemental sulphur thereby produced, together with that previously produced in the combustion chamber, passes off in gaseous form into a suitable cooling and collecting chamber where it is cooled and collected as flowers of sulphur. The iron compounds in the reducing chamber, after deoxidation of the sulphur, are deposited at the bottom of said chamber in the form of oxides.

The specification then recites:

"The iron compounds deposited in the combustion chamber contain some sulphur; and to eliminate this sulphur, such iron compounds, which are mostly various oxides of iron, are treated in a sintering machine and then reduced, as by smelting in a blast furnace or in an electric furnace."

The sulphur which is obtained as a result of this sintering process is returned as a vapor from the sintering machine, and passes with the current of inflowing pyrites again into the combustion chamber.

In this process, it is stated by appellants in their specification that the process contemplates that the "draft will carry into the reducing chamber enough sulphides of iron to bring about reduction of the sulphur dioxide. This quantity may be controlled in the first instance by properly proportioning the quantity of pyrites

in the charging blast with relation to the volume of oxygen in such blast; and a proper control can be readily ascertained by taking samples of the product at different points along the draft."

The specification also recites:

"When using auxiliary fuel, such as oil, gas or powdered coke, a considerable quantity of water is produced by combustion. At other times it may be expedient to introduce water vapor either as steam or by other means."

The claims in issue here were rejected by both tribunals, on the following references: Benner et al., 1,751,066, March 18, 1930; Benner et al., 1,751,067, March 18, 1930.

Several features are urged by the appellants which, it is said, are novel and inventive in appellants' process and claims, and which it is claimed are not met by the Benner et al. references. To paraphrase these claims they are, substantially, as follows:

First. That the Benner references do not disclose the feature stated in most of appellants' claims, that appellants use, in carrying the material into their apparatus, less air than is necessary for complete combustion of the pyrites.

Second. That the references do not disclose that the material subjected to the process must be so fine that it will be carried through the process in the air stream.

Third. That the reference patents do not show the production of ferrosoferric oxide during the early part of the process, and its consequent use as a catalyst.

Fourth. That the references show the use of fuel, while a novel feature of appellants' process is the production of sufficient heat to carry on the process, as the result of the reactions in the process.

Fifth. That the references do not show the production of a catalyst of an extremely porous character during the process described therein.

All of these features are claimed by appellants to be new and inventive.

It is noted that the Board of Appeals is apparently of the opinion that the Benner patentee did not appreciate the function which the ferrosoferric oxide performed in the Benner process. However, it is said by the Board that the Benner patents show the production of (Fe_3O_4) during the process, and that whether its function was fully understood or not, it being concededly a catalyst and being shown to exist in the process, its effect would be the same whether understood or not. We agree with the Board of Appeals in its conclusion in this respect. That it was present in the Benner process is plainly shown by the specification in the reference patent, 1,751,066, wherein it is stated:

> The heat developed by the oxidation of the iron sulfide Fe_3O_4 serves to provide a large portion of the heat required to maintain the temperature of the reaction chamber, thereby reducing the use of the more expensive and less available coal and oil for heating purposes.

The reference patents to Benner were issued contemporaneously on applications filed as of the same date. The only apparent difference between the two patents is in some details of construction which appear to be somewhat immaterial, so far as the issues herein are concerned. The patents are concerned with the extraction of elemental sulphur from sulphide ores, particularly pyrites or pyrrhotite. In the patents, the sulphide ore is introduced into a reduction chamber through an opening in the top. The reduction chamber is a vertical chamber, much deeper than its width, having a funnel-shaped bottom which empties into a receptacle for the collection of solid matters. With the sulphide ore, which is "in the granular state either coarse or finely divided," carbonaceous fuel, equal to 10 per cent or more of the total charge, is dropped through the top opening or feeding device. The proportion of carbonaceous fuel may be varied according to the necessities. At the bottom of the reduction chamber is an inlet through which an oxidizing gas including a portion of free oxygen is admitted. In the process, where the charge is in a state of coarse division, the chamber is practically filled with the charge. However, where the charge is finely divided, suitable means are "provided for dispersing the same such as a rotating cone or a blast of a gaseous medium." It results that in such cases of fine division the falling material in the reduction chamber is met by the rising blast from the inlet pipe, and is thus dispersed and carried forward in the process. The reduction chamber is maintained at a high temperature of from 700 to 800 degrees centigrade, or above. This chamber consists of three portions, A, B, and C. In the top of the chamber, in zone A, according to the specification in Patent 1,751,066, a reducing atmosphere is maintained and a large part of the volatile matter in the fuel is driven off. The sulphide ore also decomposes, yielding free sulphur, (SO) and some iron oxides, such as (Fe_3O_4). In zone B, if coal is used as a fuel, coke is produced and is substantially utilized in the reduction of the sulphur dioxide and carbon dioxide ascending from the zone below. Gases containing sulphur dioxide may be also introduced into the reduction chamber at the bottom of zone B. In the bottom zone of the reduction chamber, the unoxidized iron sulphide descending from zone B is burned completely, yielding sulphur dioxide and iron oxide. Various other chemical reactions occur which are unnecessary here to further specify. The statement is made in the specification:

> The amount of air admitted through the inlet 3 is regulated so that only enough oxygen over that required to oxidize the FeS and carbon is provided.

The gaseous products of the reduction chamber are removed through the top thereof, through an outlet, while the ash and cinder content may be removed from the bottom of the chamber by suitable means. It is stated:

> By a proper regulation of the air, sulphur dioxide, coal and sulphide ore, admitted to the chamber, it is possible to provide for complete oxidation of the coal and ores, maintain the required temperature for the reduction, and reduce substantially all the sulphur dioxide gas to elemental sulphur.

The ash and cinder product may be discharged from the bottom of the chamber as a commingled product by any well-known means. The specification then discloses that the gas mixture from the reduction chamber is carried through a conduit to a catalyst chamber, where a suitable catalyst is provided to aid in the reduction of these gases in order to yield elemental sulphur. There is a device provided to remove such material as soot or other solid carbonaceous material before the gaseous mixture enters the catalyst chamber. The temperature of the catalyst chamber is maintained at about 350 degrees centigrade to prevent the condensation of the sulphur vapor and to provide for rapid interaction of the gases. The sulphur vapor and gases are then removed from the catalyst chamber, and the sulphur vapor is condensed by any suitable apparatus for heat interchanging.

It seems quite evident from our resumé of the Benner patents that the first suggestion of the appellants, namely, that the application here shows, for the first time, that less air is used than is necessary for complete combustion, was disclosed in the Benner patents. Repeatedly the inventor calls attention, if not in direct words, by implication, at least, to the fact that the amount of air to be admitted to the chamber is limited. Evidently the amount can be and is regulated from time to time, in order to expedite the process and to get the most satisfactory results. It will be noted that the appellants here do not specify any particular amount of air except that it must be less than the amount required for complete combustion. We think the patents referred to disclose sufficiently this feature.

Next it is contended that the appellants here have described a process where the pyrites is pulverized, and fine enough to be carried along in the air stream, and that this is not met by the references. Benner shows the use of material in a coarse state, or in a finely pulverized state; in other words, has disclosed the use of the material in all forms. It is quite obvious that if the material be in a finely pulverized state, the blast of oxidizing material from the base of the Benner reduction chamber will carry this finely divided matter along with the stream of oxidizing material. As a matter of fact, it is plain that such material must be carried from the reduction chamber to the catalyst chamber and, thence, out of the apparatus, because of the flow of such heated material from one chamber to the other. Thus we think it may be fairly said that the Benner device shows a "carrying along" of the material in the stream of gases during the process.

As to the use of the ferrosoferric oxide as a catalyst, it is plain that this material, being produced during the early stages of the Benner process, will act as a catalyst whether the patentee understood its exact function or not. Therefore, it was disclosed, and the appellants can claim no patentable feature in that respect. The mere discovery of the function of this catalyst does not connote patentability. *In re Fronting*, 22 C. C. P. A. (Patents) 1005, 76 F.(2d) 210, 469 O. G. 434.

It is also said that the Benner patents disclosed the use of fuel, while the appellants dispense with fuel, thus making a much more economical process. Appellants, however, do use fuel in one stage of their process, and do show, as we have heretofore quoted, that the use of fuel is possible, and recommended under some circumstances. In this respect, therefore, the appellants do not distinguish from the Benner process.

Contention is then made that the particular character of the process of the appellants produces a porous catalyst, which is much more satisfactory in its application than that of other catalysts. The porous nature of this catalyst is said to arise from the fact that in the early stages of appellants' process, the reduction of the sulphide ores is almost explosive in its character. No reason, however, has been shown in the record here, so fare as we have observed, why the Benner process will not operate in the same way and produce ferrosoferric oxide of the same porous character. The conditions being the same, it would seem to naturally result that such would be the case. Therefore, we are unable to see wherein the process of appellants is inventive over the reference patents, in this respect.

The claims are many, and differ somewhat in verbiage. However, the points which are here alluded to are the ones which it is said distinguish appellants' application from the reference patents. As we have found that in the respects complained of there seems to be nothing inventive over the references, a more particular discussion of these disallowed claims is thought to be unnecessary. Therefore, the decision of the Board of Appeals should be, and is, affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MOSHER

No. 3,511. Decided November 25, 1935

1. APPEAL—AFFIDAVIT AS TO SIZE NOT CONSIDERED.

Where the proportions and size of an applicant's device and the comparative proportions of the device shown in the patent on which the claims are rejected are not of record in applicant's original specification, an affidavit respecting the relative size of such devices will not be considered on appeal.

2. CLAIMS OF A REFERENCE PATENT HELD PART OF THE DISCLOSURE THEREOF.

Claims of a reference patent *held* part of the disclosure thereof and to suggest such modification of the structure shown in the drawing thereof that one skilled in the art could, without the exercise of invention, produce the structure claimed by appellant.

3. PATENTABILITY—DOUGHNUT MACHINE.

Claims for a doughnut machine *held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Charles A. Morton for Mosher.

Mr. E. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This appeal brings before us for review a decision of the Board of Appeals of the United States Patent Office, affirming that of the Examiner, rejecting all of the claims of appellant's application for lack of invention in view of the cited prior art. The claims here involved are Nos. 1 to 10, inclusive.

Claims 1 and 4 are illustrative and read as follows:

1. In a doughnut machine and in combination a cooking vat having a deep portion and a shallow portion, one

doughnut conveyor in each of said portions, turning mechanism between said conveyors, and means for actuating said turning mechanism to transfer doughnuts from said deep portion to said shallow portion and to simultaneously overturn said doughnuts.

4. A doughnut machine comprising a cooking vat having a deep portion and a shallow portion, a submerged conveyor in said deep portion, an elevated conveyor in said shallow portion, turning mechanism between said conveyors, means for actuating said turning mechanism to transfer doughnuts from said deep portion to said shallow portion and to simultaneously reverse said doughnuts, and means for actuating said conveyors and said turning mechanism in timed relation, said means comprising a reciprocable lever and connections between said lever and said conveyors and mechanism whereby movement of said rod in one direction moves said turning mechanism and movement in the opposite direction moves said conveyors.

The nature of the claimed invention is sufficiently recited in the claims above quoted.

Appellant claims that by his structure a large saving in cooking grease is made possible compared with the grease used in machines in the prior art, and he also claims that his invention avoids rancidity of the grease used in cooking doughnuts in a doughnut machine.

The references relied upon are: Roehl et al., 1,822,409, September 15, 1931. Roehl, 1,834,182, December 1, 1931.

The patent to Roehl et al., No. 1,822,409, relates to a doughnut machine. The specification and drawings disclose a tank with deep and shallow portions. In the deep portion there is shown a submerged conveyor, and in the shallow portion two conveyors, with a turn-over device between them. The patent states:

> Changes in the specific form of our invention, as herein disclosed, may be made within the scope of what is claimed without departing from the spirit of our invention. [Italics ours.]

While the drawings disclose three conveyors, as aforesaid, and the specification describes them with a turn-over device between the two conveyors in the shallow portion, claims 1 and 2 of the patent read as follows:

> 1. A doughnut machine comprising a tank, two conveyors for moving the doughnuts along said tank, a turn-over paddle disposed between said conveyors, said paddle including a shaft and a pair of oppositely directed paddle members secured to said shaft in offset relation to one another to form rests on opposite sides of said shaft.
>
> 2. A doughnut machine comprising a tank, two conveyors for moving the doughnuts along said tank, a turn-over paddle disposed between said conveyors said paddle including a shaft, a pair of paddle members secured to said shaft on opposite sides thereof for engaging the doughnuts, said shaft forming a rest for the edge of the doughnut for supporting the same during the over-turning thereof.

It will be noted that the above-quoted claims refer to only two conveyors in the tank with a turn-over device interposed between them. Claim 3 of said patent refers to a conveyor submerged in the tank and a second conveyor disposed without the tank. This claim does not contain the element of a turn-over device between the conveyors. Claim 4 of the patent refers to only one conveyor positioned above the tank.

The patent to Roehl, No. 1,834,182, relates to a device for turning over the doughnuts during the process of cooking in a doughnut machine.

Claims 4 and 5 of appellant's application detail turn-over mechanism similar to that shown in said last-named patent.

In appellant's application the dimensions of the tank and conveyors are not shown; furthermore, the references do not give the dimensions of the tanks and conveyors therein described.

During the progress of appellant's prosecution of his application before the Examiner, he filed an affidavit which, among other things, set out the dimensions of the tank of the doughnut machine marketed commercially, embodying the construction of the Roehl et al. patent, No. 1,822,409, and also set out the dimensions of the machine disclosed in his (appellant's) application, contending that his machine was 3 feet shorter than the Roehl et al. machine, had only 75% of the grease capacity of said machine, but that his machine had the same doughnut capacity as said Roehl et al. machine. Both the Examiner and the Board of Appeals declined to consider said facts contained in the affidavit as bearing upon the patentability of appellant's claims. Upon this point the Board in its decision stated:

> As to this affidavit the Examiner states that the proportion or size of applicant's device and the comparative proportions of Roehl's product were not of record in the original specification. In the original specification it was stated in substance that the principal advantage of applicant's arrangement lies in the fact that a large saving of cooking grease is made possible by virtue of the overhead conveyor device for substantially half the length of the doughnut machine, permitting the use of a shallower pan or vat than is required where both of the conveyors are submerged. It is further stated in the original specification that one of the conveyors formerly used at the receiving end of the machine is eliminated and only two conveyors in all are employed, one at the receiving end and the other at the delivery end.
>
> Any disclosure of particular size and proportions other than those set out in the original specification would constitute new matter if incorporated in the present disclosure and cannot be considered as a part thereof. * * *.

[1] We are in agreement with these views of the Board, and are of the opinion that we may not consider said affidavit respecting the relative size of the tanks disclosed by appellant and by the references.

It will be observed that claim 1 of appellant's application recites one doughnut conveyor in each of the deep and shallow portions of the tank. Most of the other claims recite "a submerged conveyor" and "an elevated conveyor." Claim 6 does not recite any conveyor at all, but does recite the position of the turn-over device between the deep and shallow portions of the tank. It was the view of the Examiner that, while claim 1 limited the device claimed to one conveyor only in the deep portion and one conveyor only in the shallow portion of the tank, the other claims were not so limited, and so included a structure having more than one conveyor in either or both of said tank portions.

As to claim 1 he held that it would not involve invention to eliminate one of the conveyors shown by Roehl et al., 1,822,409, in the shallow portion of the tank and place the turn-over device between the conveyor in the deep portion of the tank and the conveyor in the shallow portion thereof.

He rejected all of the claims as being unpatentable over Roehl et al., No. 1,822,409, in view of Roehl, No. 1,834,182. The Board in its decision, while affirming the rejection of all of the claims by the Examiner for the reasons stated by him, evidently was of the opinion that even claim 1 reads directly upon Roehl et al., No. 1, 822,409, except as to the location of the turn-over device. Referring to said last-named patent the Board stated:

> * * * Since this patent discloses two conveyors in the shallow portion of the cooking vat it obviously discloses one conveyor in the shallow portion of the vat.

The Board, however, further continued as follows:

> Aside from this observation that a claim of this type would be met specifically in the structure of the Roehl patent, it is our view that it would be obvious to modify the Roehl structure by omitting one of the conveyors, as the middle one for example, Fig. 2, and locating the turning machine at the point of junction between the deep and shallow portions of the vat. While such a modification would necessarily require some reorganization of the mechanism, it is our view that such change would be entirely within the skill of any mechanic experienced in this art and would not amount to a patentable change.

We are inclined to the view of appellant that those of his claims embracing more than one conveyor should be construed as relating to only one conveyor in the deep portion and only one conveyor in the shallow portion of the tank; but it is unnecessary for us so to decide because, even so construed, we do not think them patentable in view of the cited art.

[2] Appellant contends that it would not be obvious to one skilled in the art, from an examination of the specifications and drawings of the references, so to reconstruct the Roehl et al. machine as to produce a machine corresponding to appellant's claims; but the claims are a part of the references, and we think those hereinbefore quoted from Roehl et al., No. 1,822,409, suggest a modification of the structure shown in the drawings of that patent so that one skilled in the art could, without the exercise of invention, produce the structure claimed by appellant, especially in view of the fact that the patent recites that changes in the specific form of the invention disclosed, within the scope of what is claimed, may be made. Claim 1 of the patent recites "two conveyors for moving the doughnuts along said tank, a turn-over paddle disposed between said conveyors." Claim 2 contains the same element in the identical words above-quoted from claim 1. Claim 3 embraces "a submerged conveyor disposed within said tank * * *, a second conveyor disposed without said tank." While this claim does not embrace the turn-over device, claims 1 and 2 do embrace it and it clearly would be obvious that it would be desirable to place a turn-over device embraced in said claims between the first submerged conveyor and the elevated conveyor embraced in claim 3.

As hereinbefore noted, claim 6 does not recite any conveyors, but is directed to the positioning of the turn-over device between the deep and shallow portions of the tank. Claim 7 is likewise directed to the positioning of the turn-over means between the deep and shallow portions of the tank, but ascribes to said turn-over means the additional function of delivering partly cooked doughnuts to the elevated conveyor above the shallow portion of the tank. It is obvious, from what we have said with respect to those claims reciting more than one conveyor, that claims 6 and 7 also lack patentability in view of the cited references.

We are therefore of the opinion that the Board of Appeals was right in its conclusion that it would be obvious to one skilled in the art so to modify the structure shown in the specification and drawings of Roehl et al. to produce the structure claimed by appellant, without the exercise of invention. While it is true that neither the Examiner nor the Board of Appeals referred to the claims of the Roehl et al. patent, we think it is proper for us to do so in affirming the rejection of the claims here involved upon the reference Roehl et al., No. 1,822,409, in view of the reference Roehl, No. 1,834,182, and we are of the opinion that the rule announced by us in the case of *In re Tucker & Reeves*, 19 C. C. P. A. (Patents) 810, 54 F.(2d) 815, 416 O. G. 236, respecting reasons of appeal, has no application to the case at bar.

The reasons of appeal herein specifically claim that "The Board of Appeals erred in holding that the modification and reorganization of the mechanism of the Roehl patent, No. 1,822,409, necessary to reproduce the structures of Claims 1 to 10, and each of them, would be entirely within the skill of any mechanic experienced in this art."

[3] Inasmuch as we must find, for the reasons stated herein, that the Board of Appeals did not err in the holding complained of, the decision should be, and is, affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,262,860, S. B. Smith, Incubator, D. C., W. D. Mich. (Grand Rapids), Dec. 2710, *S. B. Smith* v. *A. F. Strebeck*. Dismissed (notice Dec. 18, 1935).

1,404,269, F. C. Chapman, Dehydrator; 1,645,738, same, Drier, filed Dec. 18, 1935, D. C., N. D. Calif. (Sacramento), Doc. 1253, *Chapman Dehydrator Co.* v. *I. G. Zumwalt et al.*

1,429,283, W. V. Lander, Art of treating wood and other porous material; 1,818,874, G. J. Ulrich, Method of making expansion joints, filed Dec. 16, 1935, D. C., S. D. Calif. (Los Angeles), Doc. B 703-Y, *Flexwell Holding Co, et al.* v. *Warren & Bailey Co.*

1,460,716, B. F. Greer, Book form savings bank, filed Dec. 18, 1935, D. C., S. D. N. Y., Doc. E 82/40, *Bankers Utilities Co., Inc., et al.* v. *D. H. Zell, Inc., et al.*

1,488,158, W. H. Price, Clamping device, filed Dec. 23, 1935, D. C., S. D. N. Y., Doc. E 82/50, *A. A. Price* v. *M. Harris*.

1,570,297, F. L. Dyer, Art of recording and reproducing sounds; 1,628,656, same, Talking machine record; 1,726,546, same, Apparatus for making phonograph records; 1,783,498, same, Method of making phonograph records, D. C. Del., Doc. E 1013, *F. L. Dyer* v. *Sound Studios of N. Y., Inc.* Dismissed Dec. 5, 1935.

1,570,864, J. Wieder, Sample tab, filed Dec. 24, 1935, D. C., S. D. N. Y., Doc. E 82/58, *Standard Sample, Inc. et al.* v. *Plymouth Sample Card Corp.*

1,576,275, J. M. Spinks, Attachment for weighing scales, filed Dec. 17, 1935, D. C., N. D. Ga. (Atlanta), Doc. E 801, *J. M. Spinks* v. *The Howe Scale Co. of Ga.* Doc. E 802, *J. M. Spinks* v. *J. E. Perkins.*

1,628,656. (See 1,570,297.)

1,633,492, E. M. Morley, Pneumatic tire charging equipment, D. C., N. D. Ohio, W. Div., Doc. E 978, *The Air Scale Co.* v. *Service Station Equipment Co.* Patent held not infringed; bill dismissed Dec. 19, 1935.

1,945,738. (See 1,494,999.) 1,999,122. (See 1,979,518.)

1,721,580. (See 1,979,518.)

1,724,495, Re. 18,765 (of Re. 18,165 and 1,722,258), Maulsby & Maulsby, Fabric forming machine, appeal filed Dec. 16, 1935, C. C. A., 8th Cir. (St. Louis), Dec. 10537, *J. R. Maulsby v. Minneapolis Cushet Co., Inc.*

1,726,546. (See 1,570,297.) 1,722,258. (See 1,724,495.)

1,747,031. (See 1,979,518.) 1,787,978. (See 1,979,518.)

1,769,947, J. M. Fuhman, Connector for electrical conduits, D. C., S. D. N. Y., Doc. E 81/220, *The Thomas & Betts Co. et al. v. Stahlte Sales Corp.* Consent decree for plaintiff Dec. 16, 1935.

1,778,352 (a), F. E. Bruce, Wood flooring; 1,925,068, M. Gray, Floor; 1,925,070, W. F. Livesey, Laying wood block flooring, D. C. Del., Doc. E 1113, *Daniels & Schuck, Inc., v. E. L. Bruce Co.* Consent decree dismissing bill Dec. 13, 1935.

1,778,352 (b), F. E. Bruce, Wood flooring; 1,903,623, C. W. Allen, Wood block, D. C., S. D. N. Y., Doc. E 78/205, *E. L. Bruce Co. et al. v. R. W. Storms et al.* (*Storm Flooring Co.*). Consent decree sustaining patents (notice Dec. 20, 1935.)

1,782,496. (See 1,570,297.) 1,906,622. (See 1,778,352.)

1,812,874. (See 1,429,288.) 1,833,954. (See 1,970,518.)

1,867,445, E. H. Dills, Swimming suit, filed Dec. 18, 1935, D. C. Oreg. (Portland), Doc. E 9902, *E. H. Dills v. Jantzen Knitting Mills.* Doc. E 9903, *E. H. Dills v. Columbia Knitting Mills.*

1,873,352, Schlosser & Schlosser, Process of forming marked surfacing, filed Dec. 9, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E 790-Y, *H. C. Schlosser v. H. M. Baird, Sr.* (*Durable Products Co.*).

1,925,068. (See 1,778,352 (a).)

1,925,070. (See 1,778,352 (a).)

1,951,241. (See 1,999,997.)

1,951,496, H. E. Whitney, Receptacle, filed Dec. 12, 1935, D. C. Mass., Doc. E 4268, *Dover Stamping & Mfg. Co. v. Alemite Co. of New England.*

1,957,426, E. Bouvrey, Miniature camera spool and winding mechanism, D. C., S. D. N. Y., Doc. E 78/228, *Eastman Kodak Co. v. Grenart Co. of America, Inc., et al.* Consent order of discontinuance (notice Dec. 18, 1935).

1,970,518, H. Aaron, Hair clipper; 1,721,580, 1,999,122, J. Schick, Shaving implement; 1,747,031, 1,787,978, 1,833,954, same, Shaving machine, filed Nov. 22, 1935, D. C. Del., Doc. E 1135, *Lektro Shave Corp. v. Schick Dry Shaver, Inc.*

1,974,196. (See Re. 19,579.)

1,984,914, G. E. Bullock, Velocipede frame construction, filed Dec. 12, 1935, D. C., W. D. N. Y., Doc. 2030, *E. C. Brown Co. v. McCurdy & Co., Inc.*

1,999,997, 1,999,999, L. M. Tolman, Distillation of fatty acids; 1,951,241, E. Geranio, Distillation and purification of fatty acids, filed Nov. 29, 1935, D. C. Del., Doc. E 1142, *New Process Fat Refining Corp. v. W. C. Hardesty Co., Inc.*

1,999,999. (See 1,999,997.)

2,017,397. (See Des. 99,872.)

2,039,997, M. H. Rubin, Yarn and the fabric produced therefrom, filed Dec. 12, 1935, D. C., S. D. N. Y., Doc. E 81/3, *American Silk Mills, Inc., v. Stahlt Silks Corp.*

Re. 16,575, Re. 19,377, C. H. Leach, Rubbing apparatus; Re. 18,578, same, Oil refining apparatus, filed Dec. 14, 1935, D. C. Del., Doc. E 1156, *C. H. Leach v. The Griscom-Russell Co.*

Re. 18,111, F. E. Woodward, Roll, filed Dec. 19, 1935, D. C., S. D. Ohio, W. Div., Doc. E 963, *Stowe-Woodward, Inc., v. The Cincinnati Rubber Mfg. Co.*

Re. 18,145. (See 1,724,495.)

Re. 18,282, S. Marcus, Doll eyes, filed Dec. 24, 1935, D. C., S. D. N. Y., Doc. E 82/56, *Meryon Corp. v. Well Made Doll Co., Inc.*

Re. 18,346, D. Lakenbach, Hair waving means, Supreme Crt., District of Columbia, Doc. E 58099, *D. Lakenbach et al. v. Kay-Myore, Inc.* Patent held valid and infringed Dec. 23, 1935.

Re. 18,705. (See 1,724,495.)

Re. 18,841, J. Mayer, Hair waving method, D. C., S. D. Ohio, W. Div., Doc. E 985, *The Philad Co. et al. v. F. Fox.* Claims 3, 4, and 5 held valid and infringed (notice Dec. 23, 1935). Doc. E 950, *The Philad Co. et al. v. Murray's Beauty Salon et al.* Decree as above.

Re. 19,277. (See Re. 18,578.)

Re. 19,578. (See Re. 18,578.)

Re. 19,579 (of 1,974,196), J. H. Boothel, Window control mechanism, filed Dec. 24, 1935, D. C., N. D. Ohio, W. Div., Doc. E 1515, *J. H. Boothel v. The Myers Regulator Co.*

Des. 75,287, L. W. Rice, Table lighter, D. C., S. D. N. Y., Doc. E 78/198, *Howard Stove Sons, Inc., v. National Stove Co.* Consent order of discontinuance (notice Dec. 23, 1935).

Des. 90,110, A. Glasberg, Buffet; Des. 90,111, same, Cabinet; Des. 90,112, same, Dining table; Des. 90,113, same, Commode, D. C., S. D. N. Y., Doc. E 78/208, *A. Glasberg, Inc., v. D. Jones, Inc., et al.* Consent order of discontinuance (notice Dec. 18, 1935).

Des. 90,111. (See Des. 90,110.)

Des. 90,112. (See Des. 90,110.)

Des. 90,113. (See Des. 90,110.)

Des. 90,872, 2,017,397, J. A. Howenstine, Electric sign, filed Dec. 26, 1935, D. C., S. D. Ohio, W. Div., Doc. E 966, *Neon Products, Inc., v. The Luminer Co., Inc.*

Interference Notice

U. S. PATENT OFFICE, Washington, Jan. 24, 1936.

Bake-Rite Oven Manufacturing Company, its assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of The Moore Corporation, 605 Berdan Street, Joliet, Ill., for registration of a trade-mark, and trade-marks Nos. 110,826 and 110,826, registered July 26, 1927, and No. 110,831, registered September 6, 1927, to Bake-Rite Oven Manufacturing Company, 609-611-613 Hearst Building, San Francisco, Calif., and Reno, Nev. A notice of such proceeding sent by registered mail to said Bake-Rite Oven Manufacturing Company at each of said addresses having been returned by the post office as undeliverable, notice is hereby given that unless said Bake-Rite Oven Manufacturing Company, its assigns or legal representatives shall enter an appearance within 20 days from the first publication of this order, the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 18, 1936

[Vol. 468. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 371,004. PAUL N. SMITH, doing business as The Paul N. Smith Seed Co., Center Junction, Iowa. Filed Oct. 30, 1935.

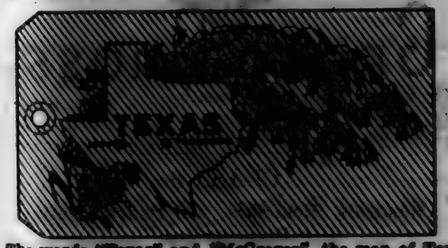
KING-O-CORN

The word "Corn" is disclaimed apart from the mark.

For Seeds—Namely, Seed Corn.

Claims use since May, 1935.

Ser. No. 371,066. MCGREGOR MILLING & GRAIN COMPANY, McGregor, Tex. Filed Nov. 1, 1935.



The words "Texas" and "McGregor", the map of Texas, and the tag are disclaimed apart from the mark. The drawing is lined for green.

For Grain of All Types—Namely, Oats, Wheat, Corn, Rye, and Barley.

Claims use since Jan. 1, 1907.

Ser. No. 371,067. MCGREGOR MILLING & GRAIN COMPANY, McGregor, Tex. Filed Nov. 1, 1935.

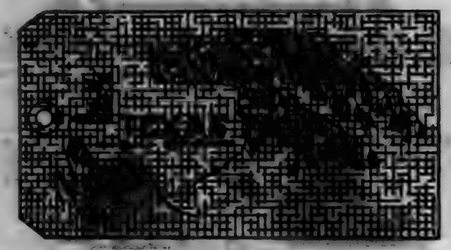


The words "Texas" and "McGregor", the map of Texas, and the tag are disclaimed apart from the mark. The drawing is lined for red.

For Grain of All Types—Namely, Oats, Wheat, Corn, Rye, and Barley.

Claims use since Jan. 1, 1907.

Ser. No. 371,068. MCGREGOR MILLING & GRAIN COMPANY, McGregor, Tex. Filed Nov. 1, 1935.



The words "Texas" and "McGregor", the map of Texas, and the tag are disclaimed apart from the mark. The drawing is lined for yellow.

For Grain of All Types—Namely, Oats, Wheat, Corn, Rye, and Barley.

Claims use since Jan. 1, 1907.

Ser. No. 372,102. L. KLEIN, INC., Chicago, Ill. Filed Nov. 29, 1935.

FERN PARK

For Lawn Seed.

Claims use since Mar. 1, 1933.

Ser. No. 372,756. THE AMERICAN GYPSUM COMPANY, Port Clinton, Ohio. Filed Dec. 18, 1935.

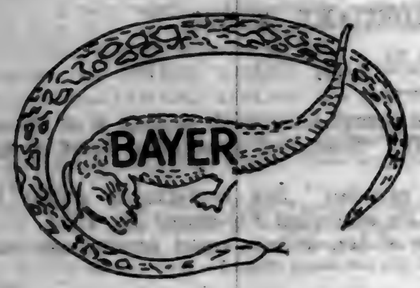


The drawing is lined for blue.

For Mineral Wool.

Claims use since Dec. 3, 1935.

Ser. No. 373,017. BAYER BROTHERS LEATHER CO., INC., New York, N. Y., and Newark, N. J. Filed Dec. 24, 1935.



For Leather.
Claims use since Jan. 1, 1930.

Ser. No. 373,049. HERMANN LOEWENSTEIN, New York, N. Y. Filed Dec. 24, 1935.



For Suede Calf Leather.
Claims use since Nov. 15, 1935.

CLASS 2

Receptacles

Ser. No. 369,286. WALDORF PAPER PRODUCTS COMPANY, St. Paul, Minn. Filed Sept. 18, 1935.

SORBOLITE

For Paper or Fiber Cartons or Boxes.
Claims use since July 9, 1935.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 368,720. VEL-VET-TEEN COMPANY, Springfield, Mass. Filed Aug. 20, 1935.

VEL-VET-TEEN

For Hand Cleanser—Namely, a Preparation in Paste Form for Cleansing and Softening the Hands.
Claims use since July 1, 1935.

Ser. No. 373,187. PINAUD INCORPORATED, New York, N. Y. Filed Dec. 26, 1935.



For Shaving Cream.
Claims use since Aug. 15, 1935.

Ser. No. 373,221. LOUISONE CORPORATION, New York, N. Y. Filed Dec. 31, 1935.

ANGELUSTRE

For Shoe Polish.
Claims use since Dec. 22, 1930.

CLASS 5

Adhesives

Ser. No. 372,821. BUTLER BROTHERS, Chicago, Ill. Filed Dec. 19, 1935.

GREEN CROSS

The drawing is lined for green.
For Adhesive Tape.
Claims use since Dec. 9, 1935.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 359,619. THOMAS L. CUNNINGHAM, New York, N. Y. Filed Dec. 24, 1934.

FLASHGARD

The word "Flash" is disclaimed apart from the word "Gard" and the word "Gard" apart from the word "Flash".
For Liquid Composition for Preventing Accidental Ignition of Matches and Other Inflammable Materials.
Claims use since Dec. 3, 1934.

Ser. No. 359,620. THOMAS L. CUNNINGHAM, New York, N. Y. Filed Dec. 24, 1934.

WORMGARD

The word "Worm" is disclaimed apart from the word "Gard" and the word "Gard" apart from the word "Worm".
For Liquid Insecticide Composition (Which Composition Is Useful for Protecting Various Materials, for Example—Wood, Fabrics, Paper, Etc., Against Deterioration by Termites, Worms, and other Insects).
Claims use since Dec. 3, 1934.

Ser. No. 363,997. HELIOGEN LIMITED, Westminster, England, assignor to Piero Mariano Salerni of Westminster, England, Westminster, England. Filed Apr. 18, 1935.

HELIOGEN

For Medicinal and Hygienic Toilet Preparations for Use as a Bath Tonic or as an Antiseptic and/or Germicidal Solution or Powder.
Claims use since July 1, 1933.

Ser. No. 368,078. LYDIA O'LEARY, INC., doing business as Lydia O'Leary, New York, N. Y. Filed Aug. 7, 1935.

STREAMLINE MAKEUP

No claim is made to the term "Makeup" apart from the mark.
For Cosmetic Used as an All-Over Make-Up.
Claims use since Apr. 12, 1935.

Ser. No. 368,264. MERCHANTS CHEMICAL COMPANY, INC., New York, N. Y. Filed Aug. 15, 1935.



No claim is made to the words "Service" and "Quality" apart from the mark.
For Laundry Blue in Powdered and Liquid Form, Laundry Starch, Ink Remover in Liquid Form, and Disinfectant and Laundry Sour Which is a Mild Acid in Powdered or Liquid Form Used for Neutralizing Alkalies in Dry Cleaning and Laundry Washing Processes.
Claims use since May 13, 1926, on laundry blue; since November, 1928, on laundry starch; since July 26, 1935, on ink remover; since November, 1930, on disinfectant; and since December, 1934, on laundry sour.

Ser. No. 368,488. CONSTANTINE P. PANAGAKOS, Hopewell, Va. Filed Aug. 20, 1935.

MDA

For Skin Salves and a Preparation for the Treatment of Dandruff and the Treatment of the Scalp.
Claims use since Aug. 1, 1932.

Ser. No. 370,435. CLARENCE P. WYNNE, doing business as Phoenix Preparations, Scranton, Pa. Filed Oct. 16, 1935.

C-O

For Ointment and Jelly for the Relief and Treatment of Constipation.
Claims use since July 1, 1935.

Ser. No. 370,439. CLARENCE P. WYNNE, doing business as Phoenix Preparations, Scranton, Pa. Filed Oct. 16, 1935.

PICKETT'S NOXITCH

For Antiseptic Jelly and Ointment to Relieve Itching Skin and Skin Irritations, Sunburn, Ivy Poisoning, Skin Abrasions, and Burns.
Claims use since Dec. 1, 1934.

Ser. No. 370,528. ROBERT P. SCHERER, doing business as Gelatin Products Company, Detroit, Mich. Filed Oct. 18, 1935.



Trade-mark consists of a red band extending circumferentially around the central part of the capsule body, no claim being made to the representation of the capsule itself.
For Carbon Disulphide in Capsule Form.
Claims use since August, 1935.

Ser. No. 370,627. THE PEROXIDE CHEMICAL CO., doing business as Vi-Jon Laboratories, St. Louis, Mo. Filed Oct. 21, 1935.

nā-pol

For Nail Polish and Liquid Nail Polish Remover.
Claims use since Oct. 1, 1935.

Ser. No. 370,936. THE ODORONO COMPANY, INC., New York, N. Y. Filed Oct. 30, 1935.

ODO-RO-DO Ice

For Deodorant and Preparation for Preventing Excessive Perspiration.
Claims use since Oct. 25, 1935.

Ser. No. 371,138. AVON LABORATORIES, Boston, Mass. Filed Nov. 4, 1935.

FOME

For Shampoo.
Claims use since Sept. 1, 1935.

Ser. No. 371,144. FRANCIS ELMQUIST, doing business as House of Twigs, Kansas City, Mo. Filed Nov. 4, 1935.

PATCH TEST FROM THE HOUSE OF TWIGS

The words "From The" are disclaimed apart from the mark.
For Astringents, Cleansing Cream, All Purpose Creams, Vanishing Creams, and Deodorant.
Claims use since Aug. 1, 1935.

Ser. No. 371,557. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Nov. 14, 1935.



The drawing is lined to indicate coral pink and gold. The representation of the label is disclaimed apart from the mark.
For Double Duty Cream—Namely, a General Utility Cream for Cleansing and Lubricating the Skin, Cleansing Cream, Tissue Cream, Facial Masque—Namely, Skin Preparation for Dull, Fading Skin, to Stimulate Circulation; Skin Freshener, Astringent Lotion, Foundation Lotion, Rose Cream Hand Lotion, Face Powder, Cream Rouge, Eye Shadow and Mascara.
Claims use since August, 1935.

Ser. No. 371,699. JACQUES WOLF AND CO., Passaic, N. J. Filed Nov. 18, 1935.

MONOPOLE

For Yellowish Oily Preparation Soluble in Water and Having the General Appearance and Characteristics of a Turkey-Red Oil, for Use in the Treatment of All Kinds of Textile Fibers in Sizing, Dyeing, Printing, and Finishing Processes, and for Washing and for Oil-Spot Removal.
Claims use since July 2, 1907.

Ser. No. 371,787. ONYX OIL AND CHEMICAL CO., Jersey City, N. J. Filed Nov. 19, 1935.



The terms "Phosphonated" and "Jersey City, N. J." apart from the mark and the outline of the label are disclaimed.
For Sulfonated and Sulfated Oils, Fats, Waxes, and Aliphatic Alcohols for Use on Textiles, Leather, and Other Fabrics as Penetrating, Detergency, Dispersion, Dyeing, Finishing, and Sizing Agents.
Claims use since Nov. 12, 1935.

Ser. No. 371,814. B. HELLER & COMPANY, Chicago, Ill. Filed Nov. 21, 1935.



Applicant has used the words "Zanzibar Carbon" as a trade-mark for ten years next preceding Feb. 20, 1905.
For Concentrated Liquid Laundry Blue.
Claims use since July 19, 1935.

Ser. No. 372,018. [illegible], Societe Anonyme, Neuilly-sur-Seine, Seine, France. Filed Nov. 29, 1935.

EVEIL

For Perfumes, Toilet Water, Face Powder, Talcum Powder, Bath Salts, Rouge, Lip Sticks, Dusting Powder, Cold Creams, Sachet, Brilliantine, Powder and Rouge.
Claims use since August, 1935.

Ser. No. 372,077. [illegible], Societe Anonyme, Neuilly-sur-Seine, Seine, France. Filed Nov. 30, 1935.

FLEURS D'ETE

For Perfumes, Toilet Water, Face Powder, Talcum Powder, Bath Salts, Rouge, Lip Sticks, Dusting Powder, Cold Creams, Sachet, Brilliantine, Powder and Rouge Compacts.
Claims use since July, 1935.

Ser. No. 372,502. MURRAY J. BROWN, doing business as Glamorinse Co., New York, N. Y. Filed Dec. 3, 1935.

"Glamorinse"

For Color Rinse for the Hair.
Claims use since Oct. 22, 1935.

Ser. No. 372,549. CLARK C. GORMAN, Wayne, N. Y. Filed Dec. 12, 1935.

INSTEP

For Foot Cream.
Claims use since Sept. 12, 1935.

Ser. No. 372,616. WARWICK CHEMICAL COMPANY, West Warwick, R. I. Filed Dec. 13, 1935.

GLYSORBINE

For Organic Chemical Salt for Use in the Throwing of Silk.
Claims use since Dec. 6, 1935.

Ser. No. 372,648. R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed Dec. 14, 1935.

MULTIFEX

For Processed Calcium Carbonate.
Claims use since Dec. 2, 1935.

Ser. No. 372,730. MARK CROSS COMPANY, New York, N. Y. Filed Dec. 17, 1935.

CROSS COUNTRY

For Perfumes and Toilet Waters.
Claims use since Dec. 1, 1935.

Ser. No. 372,747. PONDRAC CORPORATION, New York, N. Y. Filed Dec. 17, 1935.

Sig

For Mouth Wash.
Claims use since February, 1935.

Ser. No. 372,775. THE WILLIAM H. [illegible] COMPANY, Binghamton and New York, N. Y. Filed Dec. 18, 1935.

JARDIN D'AMOUR
(GARDEN OF LOVE)

For Astringents, Astringent Cuticles, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Dusting Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Hair Dressing, Brilliantine, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salve, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Nov. 30, 1935.

Ser. No. 372,853. PENOLA INC., Pittsburgh, Pa. Filed Dec. 19, 1935.

PETROSOTE

For Compounds for Preserving Wood, Bases for Insecticides and Disinfectants, Animal Dips, and Industrial Diluents.
Claims use since Mar. 8, 1935.

Ser. No. 372,911. GLAMÉ, INC., Hoboken, N. J. Filed Dec. 21, 1935.

Glamé

For Nail Polish, Polish Remover, and Nail Balm.
Claims use since January, 1935.

Ser. No. 372,912. GLAMÉ, INC., Hoboken, N. J. Filed Dec. 21, 1935.



For Nail Polish, Polish Remover, and Nail Balm.
Claims use since January, 1935.

Ser. No. 373,069. VIT INCORPORATED, Minneapolis, Minn. Filed Dec. 26, 1935.

Vit
VITALITY

No claim is made to the word "Vitality" apart from the mark.
For Shampoo.
Claims use since Sept. 9, 1935.

Ser. No. 373,127. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Dec. 28, 1935.

CARBOSEAL

For Chemical Compositions for Use in Gas Distribution Systems for Such Purposes as Preventing Leakage, Inhibiting Gum Formations, and Laying Dust.
Claims use since Dec. 18, 1935.

Ser. No. 373,133. GOTTFRIED J. RUDOLPH, INC., Boston, Mass. Filed Dec. 28, 1935.

RODOPELL

For Special Mixture for Repelling Rats, Mice, and Other Rodents.
Claims use since Sept. 4, 1934.

Ser. No. 373,137. RICHARD HUDNUT, New York, N. Y. Filed Dec. 28, 1935.

R. S. V. P.

For Cleansing Cream, Face Powder, Lipstick, Perfume, Rouge, and Toilet Water.
Claims use since Dec. 18, 1935.

Ser. No. 373,192. DR. GEORGE FRED WOLFF & ASSO., INC., Chicago, Ill. Filed Dec. 30, 1935.

PRO-CYS-KERA

For Antiseptic Hair Growing Preparation in Ointment Form.
Claims use since July 20, 1935.

Ser. No. 373,418. WITOLD V. KOCIETWSKI, doing business as Witold Products Company, New York, N. Y. Filed Jan. 7, 1936.

WITOL

For Eye Drops, Eye Wash, and Eye Lotion.
Claims use since June 15, 1935.

CLASS 10
Fertilizers

Ser. No. 365,818. ARCHIE D. HERSHEY, doing business as The Kingston Poultry Ranch, South Kortright, N. Y. Filed Sept. 6, 1935.

PEP-TO-LIZER

For Fertilizers.
Claims use since July 1, 1934.

CLASS 12
Construction Materials

Ser. No. 370,696. THE MICRODRITE COMPANY, Wilmington, Del., and Lewistown, Pa. Filed Oct. 23, 1935.

MICRODRITE

The drawing is lined for black.
For Building Materials—Namely, Slabs for Partitions, Exterior Walls, Roofs, and Floors; Blocks for Walls, Partitions, and Backing; Slabs, Blocks, and Granular Material Specifically Adapted for Use for Sound and Heat Insulation and Fireproofing.
Claims use since June 15, 1936.

Ser. No. 371,457. GLOBE ROOFING PRODUCTS CO., INC., Chicago, Ill. Filed Nov. 9, 1935.

PENNANT

For Asphalt Composition Roofing and Building Paper.
Claims use since April, 1934.

Ser. No. 371,673. IRWIN, Commissioner, doing business as General Glass & Lumber Company, Cleveland, Ohio. Filed Nov. 13, 1935.

GENERAL GLASS & LUMBER CO.

For Lumber, Sash, Doors, and Millwork.
Claims use since March, 1919.

Ser. No. 371,782. IRVY MYERS COAL AND LUMBER CO., Hawthorne, N. J. Filed Nov. 19, 1935.

TIM-BO-LOK

For Timbers, Posts, Door, Window, and the Like Frames, Key Strips, Buttons, and Other Parts, Formed Principally of Wood, to be Used in Rustic Building Structures.
Claims use since Sept. 1, 1935.

Ser. No. 372,257. LOUIS D. STRAUS, doing business as Monroe Co., Inc., Cleveland, Ohio. Filed Dec. 4, 1935.

RUFFERSEAL

For Liquid Asbestos Roof Cement.
Claims use since July 14, 1922.

CLASS 13
Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 372,035. A. L. HANSEN MFG. CO., Chicago, Ill. Filed Nov. 29, 1935.



Trade-mark is applied to the staples, adhered together in strips, in the form of a narrow band or line of a blue color extending lengthwise of the strips. The representation of the strip of staples is disclaimed as a part of the trade-mark.
For Machine Staples.
Claims use since July 28, 1935.

Ser. No. 372,068. A. L. HANSEN MFG. CO., Chicago, Ill. Filed Nov. 29, 1935.



Trade-mark is applied to the staples, adhered together in strips, in the form of a narrow band or line of a red color extending lengthwise of the strips. The representation of the strip of staples is disclaimed as a part of the trade-mark.
For Machine Staples.
Claims use since July 26, 1935.

CLASS 15
Oils and Greases

Ser. No. 294,396. MICHAEL J. STRAUSSER, doing business as Q. D. A. Laboratories, Paterson, N. J. Filed May 15, 1935.

QUINTUPLE

For Motor Lubricating Oils, Motor Fuel Gasoline, and Heater Fuel Oils.
Claims use since Aug. 2, 1934.

Ser. No. 370,196. PARR OIL COMPANY, Milwaukee, Wis. Filed Oct. 9, 1935.

'Hello NEIGHBOR'

For Gasoline, Lubricating Oils, and Greases.
Claims use since Dec. 1, 1934.

Ser. No. 371,507. JOHN R. STARCK, doing business as Eelo Laboratories, New York, N. Y. Filed Nov. 13, 1935.

EELO
THE BEST MOTOR SHIELD

No claim is made to the words "The Best Motor Shield" apart from the mark.
For Lubricating Oils and Greases.
Claims use since Feb. 9, 1934.

Ser. No. 372,668. HALSTEAD PRODUCTS CO., Oakland, Calif. Filed Dec. 16, 1935.

ADMIX

For Oil for Blending with Crankcase Lubricants.
Claims use since Sept. 24, 1935.

Ser. No. 372,669. HALSTEAD PRODUCTS CO., Oakland, Calif. Filed Dec. 16, 1935.

TUNE-UP

For Oil for Conditioning of Internal Combustion Engines.
Claims use since Oct. 17, 1935.

Ser. No. 372,707. CRUSADER OIL CORPORATION, New York, N. Y. Filed Dec. 14, 1935.

MAXILUBE PROCESSED

The word "Processed" is disclaimed apart from the mark.
For Motor Lubricating Oils and Extreme Pressure Lubricants.
Claims use since Dec. 17, 1934.

Ser. No. 372,772. THE HUDSON CORPORATION, Chicago, Ill. Filed Dec. 18, 1935.

'FOUR HORSEMEN'

For Grease Compounds for Cables, Ropes, and for Machinery.
Claims use since Dec. 2, 1935.

Ser. No. 373,018. BILSTEIN MOTOR EQUIPMENT CO. INC., New York, N. Y. Filed Dec. 24, 1935.

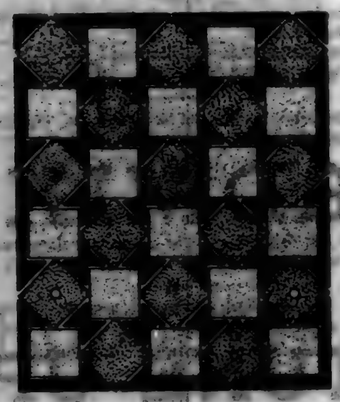
Graphized

For Lubricating Oils and Lubricating Greases.
Claims use since Dec. 2, 1935.

CLASS 16

Paints and Painters' Materials

Ser. No. 366,649. UNCLE SAM CHEMICAL CO., INC., New York, N. Y. Filed Oct. 1, 1934.



For Floor Wax.
Claims use since February, 1932.

Ser. No. 369,857. PYREMS MANUFACTURING COMPANY, Newark, N. J. Filed Sept. 20, 1935.

Pylumin

For Preparation for the Production of Protective and Priming Coatings on Aluminum and Non-cuprous Alloys Thereof.
Claims use since July 22, 1935.

CLASS 17

Tobacco Products

Ser. No. 371,697. LARUS & BROTHER COMPANY, Richmond, Va. Filed Nov. 18, 1935.



No claim is made to the words "Richmond, Va., U. S. A." The drawing is lined for blue and silver.
For Tobacco—Namely, Smoking Tobacco, Including Granulated, Sliced, Plug, and Flake Pipe, and Cigarettes.
Claims use since Oct. 21, 1935.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 373,356. BRITISH MOTORS LTD., doing business as S. S. Cars, Ltd., New York, N. Y. Filed Jan. 6, 1936.



The drawing is lined for blue.
For Automobiles and Structural Parts Thereof.
Claims use since Oct. 4, 1935.

Ser. No. 373,357. BRITISH MOTORS LTD., doing business as S. S. Cars, Ltd., New York, N. Y. Filed Jan. 6, 1936.



For Automobiles and Structural Parts Thereof.
Claims use since Oct. 4, 1935.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 372,218. SANBURA COMPANY, INC., East Walpole, Mass., and Philadelphia, Pa. Filed Dec. 3, 1935.

SANACORK

For Composition Floor Coverings—Namely, Rugs, Mats, Yard Goods by the Roll.
Claims use since Nov. 14, 1935.

Ser. No. 372,964. DELAWARE FLOOR PRODUCTS, INC., Wilmington, Del. Filed Dec. 23, 1935.

INMADE

For Composition Floor Coverings—Namely, Rugs and Yard Goods by the Roll.
Claims use since Feb. 18, 1935.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 372,254. THE OHIO CARBON COMPANY, Cleveland, Ohio. Filed Dec. 4, 1935.

OHIOHM

For Electrical Resistance Elements.
Claims use since Jan. 22, 1936.

Ser. No. 372,857. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Dec. 7, 1935.

TEXTOLITE

For Electrical Insulating Material in Sheet Form.
Claims use since 1927.

Ser. No. 372,182. ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill. Filed Dec. 28, 1935.

TEL-EYE

For Radio Receiving Sets and Parts Thereof.
Claims use since Oct. 29, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 368,618. KELLEY-HOW-THOMSON CO., Duluth, Minn. Filed Aug. 28, 1935.

SPORTLAND

For Baseballs, Soft Balls and Playground Balls, Fielder's Gloves, Baseman's Mitts, Catcher's Mitts, Tennis Balls, Tennis Rackets, Golf Balls, Golf Tee Holders, Footballs, Basket Balls, Canister Wagons, Hockey Sticks, Steering Sleds, Bamboo Fly Rods, Fish Lines, Trout Flies, Golf Clubs, Boxing Gloves, Punching Bags, Roller Skates, Ice Skates, Skis, Children's Bicycles, Steel Casting Rods, Fish Reels, Rubber Balls, Baseball Bats, Soft Ball Bats, Catcher's Masks, Tennis Racket Presses, Tennis Nets, Volley Balls, Volley Ball Nets, Tennis Marking Tapes, Golf Bags, Croquet Sets, Scooters, Ski Bindings, Snow Shoes, Life Preserver Vests, Fishing Tackle Boxes, and Clay Targets.
Claims use since Mar. 17, 1934, on baseballs; since Jan. 12, 1934, on soft balls and playground balls, fielder's gloves, baseman's mitts, and catcher's mitts; since Mar. 15, 1935, on tennis balls; since Mar. 14, 1935, on tennis rackets; since Dec. 15, 1934, on golf balls; since May 14, 1934, on golf tee holders; since June 12, 1935, on footballs; since June 27, 1934, on basket balls; since June 30, 1934, on canister wagons; since Sept. 9, 1933, on hockey sticks; since July 19, 1933, on steering sleds; since Feb. 1, 1931, on bamboo fly rods; since Jan. 11, 1932, on fish lines; since Mar. 20, 1933, on trout flies; and since Aug. 7, 1935, on golf clubs, boxing gloves, punching bags, roller skates, ice skates, skis, children's bicycles, steel cast-

ing rods, fish reels, rubber balls, baseball bats, soft ball bats, catcher's masks, tennis racket presses, tennis nets, volley balls, volley ball nets, tennis marking tapes, golf bags, croquet sets, scooters, ski bindings, snow shoes, life preserver vests, fishing tackle boxes, and clay targets.

Ser. No. 372,779. M & M MODEL WHEEL COMPANY, Seattle, Wash. Filed Dec. 18, 1935.

M & M

For Model and Toy Airplane Parts—Namely, Airplane Wheels.
Claims use since June 1, 1934.

Ser. No. 373,027. STEPHEN J. FENON, INC., New York, N. Y. Filed Dec. 24, 1935.



Trade-mark consists of an isosceles triangle in white on a black background on the handle. No claim is made to the representation of the racquet apart from the mark.
For Tennis Racquets, Squash Tennis Racquets, Squash Racquets, and Badminton Racquets.
Claims use since Apr. 26, 1934.

Ser. No. 373,245. BLOSSOM PRODUCTS CORPORATION, Allentown, Pa. Filed Jan. 2, 1936.



The portraits are fanciful.
For Dolls.
Claims use since Feb. 11, 1935.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 369,752. LEON B. MILLER, Brooklyn, N. Y. Filed Aug. 27, 1935.

THE SCREW DRIVER THAT GOES AROUND A CORNER

MILLER

FLEXIBLE

SCREW DRIVER

All notations and representations in the mark are disclaimed apart from "Flexible".

For Screw Drivers and Tools Employing Flexible Shafts, Such as Wrenches, Drills, Augers, Etc.

Claims use since Sept. 8, 1933.

Ser. No. 370,233. S. R. WHITE'S SONS, INC., Norfolk, Va. Filed Oct. 10, 1935.



For Plows, Plow Shares or Points, Moldboards, Landsides, Standards, Plow Beams, Plow Handles, Cultivators, Cultivator Plates, and Cultivator Handles.

Claims use since Jan. 1, 1932.

Ser. No. 371,547. LIBERTY NEWS SALES CO., doing business as Lafayette Blade Co., Detroit, Mich. Filed Nov. 14, 1935.

La Fayette

For Razor Blades.

Claims use since Oct. 22, 1935.

Ser. No. 371,802. SIMPLEX PRODUCTS SALES CORPORATION, Cleveland, Ohio, assignor to Simplex Products Corporation, of Cleveland, Ohio, a corporation of Ohio. Filed Nov. 22, 1935.



The representation of the goods is disclaimed apart from the mark.

For Piston Rings.

Claims use since Aug. 20, 1935.

Ser. No. 372,009. CANELLUS CUTLERY COMPANY, INC., New York, N. Y. Filed Dec. 26, 1935.

STREAMLINE

For Knives of All Types—Namely, Kitchen Knives, Pocket Knives, Hunting Knives, and Table Knives, All of Base Metal.

Claims use since Dec. 19, 1935.

CLASS 25

Locks and Safes

Ser. No. 372,272. AUTO LOCKING DEVICE CO., San Antonio, Tex. Filed Dec. 5, 1935.

"G-MAN"

For Electro-Mechanical Automobile Locking Device.

Claims use since Aug. 1, 1935.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 371,073. PHOTO MARKETING CORPORATION, New York, N. Y. Filed Nov. 1, 1935.

MAKINA

For Cameras and Parts Thereof, Including Lenses, Sensitized Photographic Plates and Films, Photographic Camera Tripods, and Camera Plate Holders.

Claims use since Feb. 20, 1932.

Ser. No. 372,846. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed Dec. 19, 1935.

Национаљ

The mark, in Russian language, means "National".

For Cash Registers, Accounting Machines, Adding Typewriters, Calculating and Computing Machines, and Registering Devices for Computing, Calculating, Accounting, and Recording, Performed by Such Machines.

Claims use since Dec. 13, 1935.

Ser. No. 372,847. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed Dec. 19, 1935.

КОМПАНИЯ КОНТРОЛЬНЫХ КАСС НАЦИОНАЛЬ

The mark, in Russian language, means "The National Cash Register Company".

For Cash Registers, Accounting Machines, Adding Typewriters, Calculating and Computing Machines, and Registering Devices for Computing, Calculating, Accounting and Recording, Performed by Such Machines.

Claims use since Dec. 13, 1935.

Ser. No. 372,097. THE BROWN INSTRUMENT COMPANY, Philadelphia, Pa. Filed Dec. 27, 1935.

BROWN

Air Line

For Measuring and Control Instruments and Apparatus for Automatically Controlling an Operation Responsively to the Fluctuations of a Variable Condition.

Claims use since Oct. 12, 1935.

CLASS 27

Horological Instruments

Ser. No. 372,898. WESTERN CLOCK COMPANY, Peru, Ill. Filed Dec. 30, 1935.

FIRST . . . he whispers
THEN . . . he shouts

For Clocks and Watches.

Claims use since Oct. 10, 1931.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 370,944. SAMUEL FRIEDMAN, doing business as Improved Products Manufacturing Company, New York, N. Y. Filed Oct. 14, 1935.



The word "Ringfit" is disclaimed except as shown in the drawing.

For Finger Ring Guards.

Claims use since Mar. 25, 1935.

Ser. No. 372,776. CHARLES LESSER, doing business as Charles Lesser & Co., New York, N. Y. Filed Dec. 18, 1935.

SEAL OF LOVE

For Wedding Rings, Diamonds and Jewelry Not Including Watches.

Claims use since Aug. 16, 1935.

Ser. No. 373,188. INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Dec. 28, 1935.

FASCINATION

For Silver-Plated Flatware for Table Use and the Like.

Claims use since Nov. 27, 1935.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 369,472. ATLAS SUPPLY COMPANY, Newark, N. J. Filed Sept. 19, 1935.

ATLAS

For a Kit Consisting of a Leather Case Containing a Fibre Clothes Brush and Lambs Wool Shoe Polishing Pad.

Claims use since December, 1934.

Ser. No. 370,750. SIMMONS HARDWARE COMPANY, St. Louis, Mo. Filed Oct. 24, 1935.

Polly Prim

For Floor and Dust Mops.

Claims use since Sept. 19, 1935.

Ser. No. 371,923. JEANETTE POWDER PUFFS, INC., Newark, N. J. Filed Nov. 23, 1935.

"Fleecy Fluff"



The word "Fleecy" is disclaimed apart from the mark.

For Powder Puffs.

Claims use since Nov. 16, 1935.

CLASS 31

Filters and Refrigerators

Ser. No. 350,279. THE MAJOR APPLIANCE CORPORATION, Chicago, Ill. Filed Apr. 21, 1934.

TEMPOSTAT

For Refrigerators for the Preservation of Foodstuffs.
Claims use since Jan. 1, 1934.

Ser. No. 371,779. PIGGLY WIGGLY CORPORATION, Cincinnati, Ohio. Filed Nov. 20, 1935.

NATUR-KOLD

No claim is made to the word "Kold" apart from the mark.
For Household and Store Refrigerators and Refrigerated Counter Cases for the Preservation of Foodstuffs.
Claims use since Nov. 13, 1935.

Ser. No. 373,141. MERCHISON, ARMSTRONG, DREBAU CO. OF DELAWARE, INC., New York, N. Y. Filed Dec. 28, 1935.

MCo

No claim is made to the name "New York".
For Units for Domestic and Store Refrigerators Used for the Preservation of Foodstuffs.
Claims use since Oct. 16, 1935.

CLASS 32

Furniture and Upholstery

Ser. No. 372,121. ALLERGEN PRODUCTS CO., Newton, Mass. Filed Dec. 23, 1935.

ALLERGIA

For Pillows, Mattresses, and Cushions.
Claims use since May 23, 1933.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 370,970. B. F. STURTEVANT COMPANY, Boston, Mass. Filed Oct. 30, 1935.

RAILVANE

For Railway Air-Conditioning Units and Systems and Parts Thereof.
Claims use since Oct. 1, 1935.

Ser. No. 372,352. THE CHAPIN & RAYNOR COMPANY, Bridgeport, Conn. Filed Dec. 7, 1935.

PARK CITY

For Domestic Heating Furnaces Using Solid Liquid or Gaseous Fuels.
Claims use since Nov. 14, 1935.

Ser. No. 372,618. ADVANCE ALUMINUM CASTINGS CORP., Chicago, Ill. Filed Dec. 14, 1935.

"CASTALU"

For Fan Wheels.
Claims use since Oct. 1, 1935.

Ser. No. 372,702. POCAHONTAS FUEL COMPANY INCORPORATED, Pocahontas, Va., and New York, N. Y. Filed Dec. 7, 1935.

ORIGINAL POCAHONTAS AUTOMATIC HEAT

The words "Automatic Heat" are not claimed except as shown.
For Coal Stokers.
Claims use since Sept. 25, 1935.

CLASS 36

Musical Instruments and Supplies

Ser. No. 368,288. NATIONAL MUSICAL STRING CO., INC., New Brunswick, N. J. Filed June 15, 1935.

Lyric

For Strings for Banjos, Guitars, Harps, and Similar Musical Instruments.
Claims use since 1898.

CLASS 37

Paper and Stationery

Ser. No. 350,535. WEST VIRGINIA PULP & PAPER COMPANY, New York, N. Y. Filed Dec. 19, 1934.

DEERSKIN

For Writing Paper.
Claims use since December, 1934.

Ser. No. 350,536. WEST VIRGINIA PULP & PAPER COMPANY, New York, N. Y. Filed Dec. 20, 1934.

EKUL

For Printing Paper.
Claims use since May 15, 1910.

Ser. No. 350,537. WEST VIRGINIA PULP & PAPER COMPANY, New York, N. Y. Filed Dec. 20, 1934.

ELEKTRA

For Printing Paper.
Claims use since May, 1929.

Ser. No. 350,539. WEST VIRGINIA PULP & PAPER COMPANY, New York, N. Y. Filed Dec. 20, 1934.

VIRGIN

For Book, Printing, and Lithographing Paper Coated on One Side.
Claims use since Jan. 2, 1935.

Ser. No. 372,266. AMERICAN WRITING PAPER COMPANY, INC., Holyoke, Mass. Filed Dec. 6, 1935.



Trade-mark consists of a plurality of parallel and adjacently disposed bands of green color with the density of the green color in each band decreasing progressively from one marginal edge of the band to the other.
For Writing and Printing Paper.
Claims use since January, 1935.

Ser. No. 372,600. W. J. BRADFORD PAPER COMPANY, Chicago, Ill. Filed Dec. 6, 1935.

CON W.J.B. FEX

For Slotted Box and Pail Partitions; Candy Layer Cards, Boards, and Dividers; Die Cut Pail, Box, and Board Partitions, Liners, Circles, Boats, and Fillers; Box Box Cups All Made of Paper; Papers—Namely, Glassine Dipping, Grease Proof, Waxed, Tissue, Oiled, Twisting, Excelsior, Wrapping and Toilet; Bags; Sealing Tape; Lace, Paper and Linen Doilies; and Rounded Corner Parchment Cards.
Claims use since August, 1911.

Ser. No. 372,943. ALBERT A. AINSWORTH, Ossining, N. Y. Filed Dec. 23, 1935.

UNIMOUNT

For Mounting Hinges.
Claims use since Nov. 1, 1934.

CLASS 38

Prints and Publications

Ser. No. 367,612. WOMEN, INC., Chicago, Ill. Filed July 5, 1935.

Women INC.

For Monthly Magazine.
Claims use since Oct. 15, 1934.

Ser. No. 370,575. PRESCOTT DENNETT, Washington, D. C. Filed Oct. 16, 1935.

COLUMBIA TRADE PRESS SERVICE
(CTP)

The words "Trade Press Service" are disclaimed apart from the mark.
For Newspaper Articles.
Claims use since July 1, 1935.

Ser. No. 371,967. UNITED FEATURE SYNDICATE, INC., New York, N. Y. Filed Nov. 25, 1935.

CYNICAL SUSIE

For Comic Drawings Published in a Series in Daily and Sunday Newspapers.
Claims use since July 1, 1934.

Ser. No. 371,968. UNITED FEATURE SYNDICATE, INC., New York, N. Y. Filed Nov. 25, 1935.

BILLY MAKE BELIEVE

For Comic Drawings Published in a Series in Daily and Sunday Newspapers.
Claims use since June 3, 1934.

Ser. No. 371,969. UNITED FEATURE SYNDICATE, INC., New York, N. Y. Filed Nov. 25, 1935.

TWICE TOLD TALES

For Comic Drawings Published in a Series in Daily and Sunday Newspapers.
Claims use since Apr. 1, 1935.

Ser. No. 372,031. SIMMONS-BOARDMAN PUBLISHING CO., New York, N. Y. Filed Nov. 26, 1935.

Marine Engineering and Shipping Review

For Periodical.
Claims use since Nov. 11, 1935.

Ser. No. 372,425. NATIONAL FEDERATION OF POST OFFICE CLERKS, Washington, D. C. Filed Dec. 6, 1935.

POSTAL ODDITIES—By TRAPP

For Cartoons.
Claims use since May 9, 1935.

Ser. No. 372,721. HUGO GERNSBACK, New York, N. Y. Filed Dec. 17, 1935.

WOMAN'S DIGEST

For Monthly Publication.
Claims use since Dec. 6, 1935.

Ser. No. 372,836. FRIENDSHIP CALENDAR COMPANY, New Philadelphia, Ohio. Filed Dec. 19, 1935.

FRIENDSHIP

For Wall Calendars.
Claims use since Dec. 1, 1934.

Ser. No. 372,937. MINNIE M. OIE, doing business as Northwest Farmer, Duluth, Minn. Filed Dec. 23, 1935.

NORTHWEST FARMER

For Monthly Publication.
Claims use since Feb. 15, 1932.

CLASS 39

Clothing

Ser. No. 342,605. THE GOODKNIGHT CO., Washington, D. C. Filed Oct. 20, 1933.

Morton Hall

For Men's and Boys' Coats, Suits, and Vests.
Claims use since Nov. 10, 1925.

Ser. No. 365,097. THE WALKER T. DICKERSON COMPANY, Columbus, Ohio. Filed May 31, 1935.

DICKERSON'S APTERNA SHOES NATURAL-TREAD

The word "Shoes" and "Tread" are disclaimed apart from the mark.
For Shoes Made of Leather, Leather and Fabric, and the Combination of Leather, Rubber, and Fabric.
Claims use since Apr. 1, 1935.

Ser. No. 365,784. INTERNATIONAL LATEX CORPORATION, Rochester, N. Y. Filed June 8, 1935.

PLAY-TEX

For Rubber Bathing Caps.
Claims use since May 15, 1935.

Ser. No. 367,290. FASHION FROCKS, INC., Cincinnati, Ohio. Filed July 17, 1935.

Fashion Topster

No claim is made to the word "Fashion" apart from the mark.
For Bandeaux and Sportbandeaux.
Claims use since June 5, 1935.

Ser. No. 369,672. MODERN MERCHANDISING BUREAU, INC., New York, N. Y. Filed Sept. 28, 1935.

TOWER Star FASHIONS

The word "Fashions" is disclaimed.
For Women's, Misses', and Children's Scarfs of Silk, Wool, Rayon, Linen, and Cotton; Shoes of Leather, Calfskin Fabric, Satin, and Linen, or Any Combination Thereof; Underwear of Knitted, Netted, and Textile Fabrics, Bloomers, Chemises, Brassières, Negligees, Petticoats, Slips, Panties, Vests, and Shirts for Underwear, Nightgowns, Pajamas; Wraps; Skirts for Under and Outer Wear; Knickers, Riding Habits; Beach Overalls and Beach Pajamas; Coats; Blouses; Shirtwaists; Gowns; Frocks; Dresses and Suits.
Claims use since Dec. 1, 1931.

Ser. No. 369,896. RAMONA SCHWARTZ, doing business as Spot-Lite Dance Frocks, New York, N. Y. Filed Oct. 1, 1935.

SPOT-LITE

For Ladies' and Misses' Dresses and Frocks, Particularly Dance Frocks.
Claims use since December, 1933.

Ser. No. 370,513. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Oct. 25, 1935.

Westley

The drawing is lined for red.
For Men's and Boys' Dress, Negligee, and Work Shirts, Pajamas, Suits, Underwear, Pants, Suede Jackets, Suedine Jackets, Melton Jackets, Leather and Leatherette Coats, Caps and Hats.
Claims use since Oct. 10, 1935.

Ser. No. 370,987. CHICAGO RUBBER CLOTHING COMPANY, Racine, Wis. Filed Oct. 30, 1935.

SMARTAIR

For Suits, Trousers, and Slacks for Men, Youths, and Boys.
Claims use since Mar. 1, 1935.

Ser. No. 371,126. A. SAGNER & SONS, INC., Baltimore, Md. Filed Oct. 31, 1935.

ENGLISHTOWN POLAIRSPUN

For Men's and Young Men's Suits, Overcoats, and Clothing—More Particularly, Men's Coats, Pants, Vests, Knickers, Golf Suits, Topcoats, and Caps.
Claims use since Oct. 1, 1935.

Ser. No. 371,498. OPPENHEIM, COLLINS & CO. INC., Wilmington, Del., New York, Brooklyn, and Buffalo, N. Y., and Philadelphia, Pa. Filed Nov. 13, 1935.

Gallivant

For Women's and Children's Shoes of Fabric and Leather and Combinations Thereof.
Claims use since Sept. 11, 1935.

Ser. No. 371,834. NU-WAY BROS COMPANY, New York, N. Y. Filed Nov. 23, 1935.

BROOKLYN GIRL

For Shoes Made of Leather, Rubber, Fabric, and Combinations Thereof.
Claims use since Sept. 12, 1935.

Ser. No. 371,887. RAYMOND R. RATCLIFF, doing business as Ratcliff Products & Sales Co., Columbus, Ohio. Filed Nov. 22, 1935.

Pla-Zure TRED

The word "Tred" is disclaimed apart from the mark.
For Shoes Made of Leather, Fabric, or a Combination of These Materials, and Parts Thereof—Namely, Insoles, Sock Linings, Cushions, and Pads Used in the Manufacture of a Shoe or Inserted in a Completed Shoe.
Claims use since Nov. 6, 1935.

Ser. No. 371,974. LOUIS MEYERS & SON, INC., New York, N. Y. Filed Nov. 25, 1935.

TONE-TIP by MEYERS MAKE

For Ladies', Men's, and Children's Gloves Made of Leather, Fabric, and/or Combinations Thereof.
Claims use since Oct. 16, 1935.

Ser. No. 371,978. THE SELBY SHOE CO., Portsmouth, Ohio. Filed Nov. 25, 1935.

Arch-Arc FITTED

The word "Fitted" is disclaimed apart from the mark.
For Women's Shoes of Leather and Fabric, and a Combination of These Materials.
Claims use since Oct. 1, 1935.

Ser. No. 371,998. AMERICAN ENKA CORPORATION, Enka, N. C. Filed Nov. 26, 1935.

MALLO-GLO

For Lingerie; Negligees; Underwear for Men, Women, and Children—Namely, Undergarments, Slips, Panties, Vests, and Brassieres; Nightgowns, and Pajamas.
Claims use since Sept. 9, 1935.

Ser. No. 372,033. SWEET-ORR & CO., INC., Wappingers Falls and New York, N. Y. Filed Nov. 26, 1935.

PERMANEAT

The word "Neat" is disclaimed apart from the other features of the mark.
For Men's Shirts, Specifically Men's Work Shirts.
Claims use since Nov. 20, 1935.

Ser. No. 372,038. L. M. BLOOMSTEIN, INC., New York, N. Y. Filed Nov. 27, 1935.

ARCH-RITE

For Boots and Shoes Made of Leather, Fabric, or Combinations Thereof.
Claims use since Aug. 8, 1932.

Ser. No. 372,129. BROCKENBRIDGE COAT CO. INC., New York, N. Y. Filed Nov. 30, 1935.

Brookshire

The name "Brookshire" is disclaimed apart from the mark.
For Wearing Apparel—Namely, Ladies' Coats, Suits, Skirts, and Ensembles.
Claims use since Nov. 14, 1935.

Ser. No. 372,216. NATIONAL SHOE SHOPS OF DELAWARE, INC., New York, N. Y. Filed Dec. 7, 1935.

Pancho

For Dress and Negligee Shirts, Polo Shirts, Collars, Pajamas, Sweaters, Bath Robes, Lounging Robes, and Men's Underwear.
Claims use since Nov. 30, 1935.

Ser. No. 372,308. BOSTWICK-BRAUN, INC., New York, N. Y. Filed Dec. 9, 1935.

Slim Tights

The word "Tights" is disclaimed apart from the mark.
For Women's and Misses' Panties.
Claims use since Nov. 21, 1935.

Ser. No. 372,477. KENSINGTON HATS, INC., Philadelphia, Pa. Filed Dec. 10, 1935.

Kensington

For Men's and Boys' Felt and Straw Hats and Cloth Caps, Men's Silk Hats, and Felt and Straw Hats for Women and Children.
Claims use since Oct. 2, 1934.

Ser. No. 372,644. SUSSMAN & FRIEDEL, INC., New York, N. Y. Filed Dec. 14, 1935.

Parform

For Women's Underwear—Namely, Slips, Panties, Chemises, Nightgowns, Pajamas, Corsets, Girdles, and Brassieres.
Claims use since Nov. 13, 1935.

Ser. No. 372,675. LEBANON KNITTING MILLS, Lebanon, Pa. Filed Dec. 16, 1935.

POLO PAL

The representation of the words is disclaimed apart from the mark.
For Polo Shirts.
Claims use since Sept. 28, 1935.

Ser. No. 372,771. HICKEY-FREEMAN CO., Rochester, N. Y. Filed Dec. 18, 1935.

For Men's Overcoats, Topcoats, and Suits.
Claims use since Jan. 2, 1935.

Ser. No. 372,774. LAIRD, SCHOBER CO., INC., Philadelphia, Pa. Filed Dec. 18, 1935.

Laird-Craft

For Shoes Made of Leather, Fabric, and Combinations Thereof.
Claims use since Nov. 1, 1935.

Ser. No. 372,839. INTERNATIONAL SHOE CO., St. Louis, Mo. Filed Dec. 19, 1935.

Graceful Lady

For Boots and Shoes of Leather, Fabric, and/or Combinations Thereof.
Claims use since Nov. 25, 1935.

Ser. No. 372,926. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Dec. 20, 1935.

MONSIEUR

For Men's Overcoats.
Claims use since August, 1935.

Ser. No. 372,907. DAINTY MAID SLIPPERS, INC., Brooklyn, N. Y. Filed Dec. 21, 1935.

KOZY ARCH

For Bedroom Slippers.
Claims use since Dec. 19, 1935.

Ser. No. 372,958. BROWN DURRELL CO., New York, N. Y., and Boston, Mass. Filed Dec. 23, 1935.

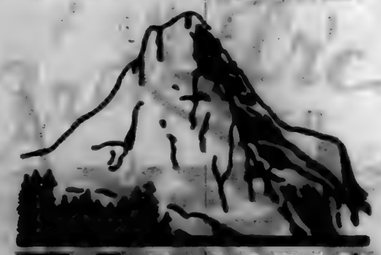
SKIN SLYM

For Panties.
Claims use since July, 1935.

Ser. No. 373,135. HOLMES-BORN COMPANY, Lewiston, Maine. Filed Dec. 28, 1935.

For Boots and Shoes of Leather, Fabric, or Combinations Thereof.
Claims use since Dec. 10, 1935.

Ser. No. 373,166. EDMONT MANUFACTURING COMPANY, Coshocton, Ohio. Filed Dec. 30, 1935.



For Gloves, Aprons, and Mittens, all Made of Rubber or of Rubber and Fabric.
Claims use since Aug. 15, 1935.

Ser. No. 373,414. GROSS GALESBURG COMPANY, Galesburg, Ill. Filed Jan. 7, 1936.



For Overalls, Work Pants, Work Dresses, and Work Coats.
Claims use since Dec. 1, 1935.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 372,218. HERBERT CLARENCE SCHMIDT, Asbury Park, N. J. Filed Dec. 2, 1935.

"Whirlo"

For One Piece Spiral Type Fasteners for Use on Wearing Apparel.
Claims use since Nov. 27, 1935.

Ser. No. 372,293. THE VULCANIZED RUBBER COMPANY, New York, N. Y. Filed Dec. 5, 1935.

Handy Dip

For Hair Combs, Except Such as are Made of Precious Metal.
Claims use since June 21, 1935.

Ser. No. 372,375. LOUIS SMAN, doing business as Hy-Art Button Works, New York, N. Y. Filed Dec. 7, 1935.

Hy-Art

No claim is made to the word "Art" apart from the mark.
For Buttons and Buckles Not Made of Precious Metal and Used on Wearing Apparels.
Claims use since May 5, 1931.

Ser. No. 372,642. A. STEIN & COMPANY, Chicago, Ill. Filed Dec. 14, 1935.

"MARVELITE"

For Dress Shields.
Claims use since Nov. 25, 1935.

Ser. No. 373,165. PARVA PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 30, 1935.

PARVA

For Buckles Used Exclusively in the Overall and Work Clothes Field and Not Made of Precious Metal.
Claims use since Sept. 1, 1930.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 367,180. BELL TEXTILE CO., New York N. Y. Filed July 27, 1935.



No claim is made to any wording except "7 Point" apart from the mark.
For Sheets and Pillowcases.
Claims use since November, 1934.

Ser. No. 369,464. STANDARD TRADING MILLS, INC., New York, N. Y. Filed Sept. 18, 1935.



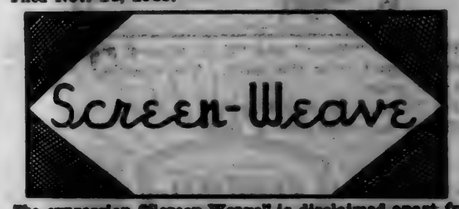
All wording except "Silqueen" is disclaimed.
For Rayon and Cotton Backgrounds; Rayon and Cotton Draperies, Pillow Cases, Sheets, Mattress Covers, Cotton and Woolen Blankets and Quilts.
Claims use since Jan. 1, 1935.

Ser. No. 370,480. ROSE & QUELLHORST SILK CORP., New York, N. Y. Filed Oct. 18, 1935.

VERSTYLE

For Rayon Textile Fabrics.
Claims use since Mar. 4, 1932.

Ser. No. 371,575. GOODALL WORSTED CO., Sanford, Maine. Filed Nov. 14, 1935.



The expression "Screen-Weave" is disclaimed apart from the mark.
For Piece Goods—Namely, Made from Combinations of Mohair, Cotton, Wool, Alpaca, Camel Hair, Silk, and Artificial Silk; Also Woolen, Cotton, Mohair, and Plush Piece Goods; Also Pile Fabrics.
Claims use since Sept. 1, 1935.

Ser. No. 371,739. SOPHIE PRISTAW, doing business as Hub Quilt Mfg. Company, Boston, Mass. Filed Nov. 19, 1935.



HUBCO BRAND PRODUCTS

The words "Brand" and "Products" are disclaimed apart from the mark.
For Bed Comforters and Spreads.
Claims use since June 1, 1935.

Ser. No. 372,488. SACHS QUALITY FURNITURE INC., New York, N. Y. Filed Dec. 10, 1935.

TABRISTAN

For Rugs.
Claims use since January, 1934.

Ser. No. 372,680. LACE NET IMPORTING CO. INC., New York, N. Y. Filed Dec. 14, 1935.

TULTEX

For Fabric Made of Elastic Yarn.
Claims use since Dec. 1, 1935.

Ser. No. 372,720. FEDERAL KNITWEAR CO., INC., Newark, N. J. Filed Dec. 17, 1935.

Sheero-Knit

The word "Knit" is disclaimed apart from the mark.
For Woolen Piece Goods.
Claims use since Nov. 27, 1935.

Ser. No. 372,917. LEBEN BACH & CO. INCORPORATED, New York, N. Y. Filed Dec. 21, 1935.

MAGICOOL

For Linen, Rayon, and Cotton Fabrics and for Fabrics Made of a Combination of Such Materials.
Claims use since Dec. 20, 1935.

CLASS 43

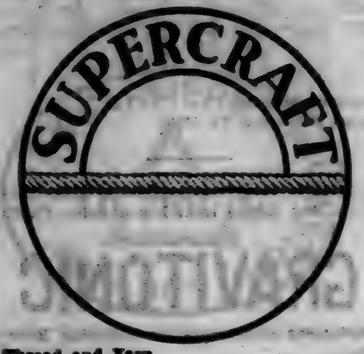
Thread and Yarn

Ser. No. 371,665. ROXY THREAD CORP., New York, N. Y. Filed Nov. 16, 1935.



The drawing is lined for red.
For Sewing Thread.
Claims use since June 1, 1930.

Ser. No. 372,258. SUPER YARN MANUFACTURING CORP., New York, N. Y. Filed Dec. 4, 1935.



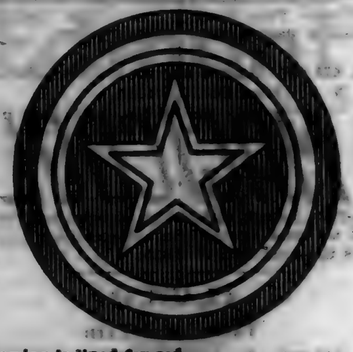
For Thread and Yarn.
Claims use since Nov. 1, 1935.

Ser. No. 372,731. THE RECORD KNITTING MILLS, LIMITED, Montreal, Quebec, Canada. Filed Dec. 16, 1935.

REGENT

For Woolen and Worsted Yarns.
Claims use since 1916.

Ser. No. 372,122. THE AMERICAN THREAD COMPANY, New York, N. Y. Filed Dec. 23, 1935.



The drawing is lined for red.
For Spool Cotton, Sewing Cotton, Cotton Thread for Manufacturing Purposes, Cotton Yarn, Knitting Cotton, Crochet Cotton, Embroidery Cotton, Lace and Art Cotton, Darning Cotton, and Mending Cotton.
Claims use since Nov. 13, 1914.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 370,852. KÖLNISCHE LEINENWEBEREI-FABRIK EMIL, BRÜNEN, G. m. b. H., Kaiserslautern, Germany.

LUTRINA

Filed Oct. 19, 1935.
For Surgical and Orthopedic Bandages.
Claims use since March, 1935.

Ser. No. 372,410. HOSMER PAPER & FIBRE COMPANY, Green Bay, Wis. Filed Dec. 9, 1935.

CHARMAY

For Sanitary Napkins.
Claims use since Aug. 22, 1935.

Ser. No. 372,530. FRED W. REED, doing business as Gravitonic Life Ray Estate Ltd., Los Angeles, Calif. Filed Dec. 11, 1935.

GRAVITONIC

For Equipment Generators for Applying Rays to the Human Body.
Claims use since July 1, 1935.

Ser. No. 372,976. L. B. KLEINMAN SALES COMPANY, New York, N. Y. Filed Dec. 26, 1935.

GEM

For Sanitary Belts.
Claims use since Dec. 24, 1935.

CLASS 45

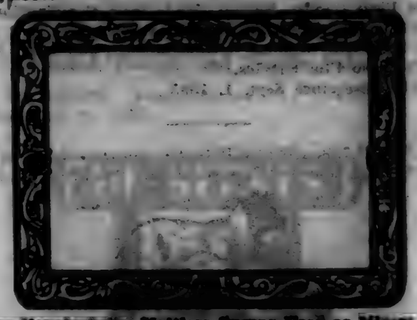
Beverages, Nonalcoholic

Ser. No. 247,902. BALTI GRUNDSTEINS ELEVTSIONERI, New York, N. Y. Filed July 25, 1930.



The words "Water" and "U. S. mineral water" are disclaimed apart from the mark. The drawing is lined for red and green.
For Natural Mineral Water.
Claims use since Apr. 7, 1922.

Ser. No. 372,807. SOCIÉTÉ ANONYME DES PUITS DE P. BARBEYRIN, Chaudenay, near Bordeaux, France. Filed Dec. 18, 1935.



For Nonalcoholic, Mineral Springs Used as Mixers, and for Soft Drinks.
Claims use since November, 1935.

CLASS 46

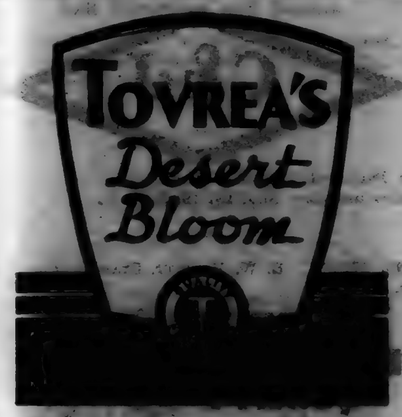
Foods and Ingredients of Foods

Ser. No. 354,066. SAFTUS BRAND, Belleville, N. J. Filed July 13, 1934.

BOND

For Yeast.
Claims use since June 21, 1904.

Ser. No. 366,126. TOVREA PACKING COMPANY, Phoenix, Ariz. Filed June 12, 1935.



The words "Quality Products" are disclaimed apart from the mark.
For Shortening Used in the Preparation of Foods.
Claims use since 1920.

Ser. No. 369,035. TOVREA PACKING COMPANY, Phoenix, Ariz. Filed Sept. 5, 1935.



The words "Quality Products" are disclaimed apart from the mark.
For Smoked Hams, Boiled Hams, Bacon, Cooked Corned Beef, Cured Corned Beef Cuts, Cured Corned Beef Hash, Corned Beef Loaf, Corned Beef Cuts, Corned

Ser. No. 372,126. THE ATLANTIC MACARONI CO., INC., Long Island City, N. Y. Filed Nov. 30, 1935.

DIXIE

For Alimentary Paste Products.
Claims use since Sept. 17, 1912.

Ser. No. 372,242. THOMAS ELLIS GORTON, JR., doing business as Slade Gorton Company, Chicago, Ill. Filed Dec. 4, 1935.

CAPE BLUE

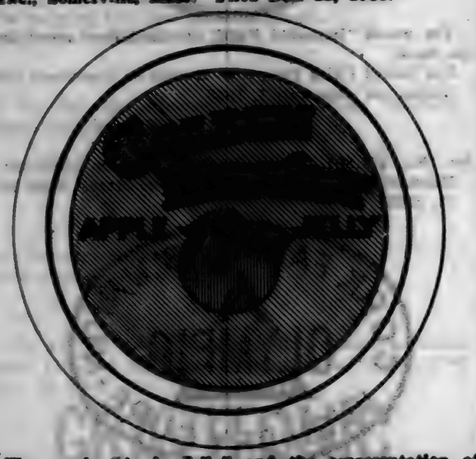
For Fillets of Fish.
Claims use since Nov. 22, 1934.

Ser. No. 372,422. LANCE PACKING COMPANY, Charlotte, N. C. Filed Dec. 9, 1935.

LANCE'S
GOLD-N-CHEE

For Peanut Butter Sandwiches.
Claims use since Jan. 25, 1921.

Ser. No. 372,566. THE NEW ENGLAND VINEGAR WORKS, INC., Somerville, Mass. Filed Dec. 12, 1935.



The words "Apple Jelly" and the representation of the jar cover as such, specifically, are disclaimed apart from the mark. The drawing is lined for green, red, and yellow.
For Apple Products, and More Specifically Apple Jelly.
Claims use since Jan. 15, 1935.

Ser. No. 372,635. CHEF-JOHNSTON, INC., Owosso, Mich. Filed Dec. 19, 1935.

C&J

For Packaged Processed Beans.
Claims use since Nov. 26, 1935.

Ser. No. 372,961. E. W. MERRITT, Brawley, Calif. Filed Dec. 26, 1935.

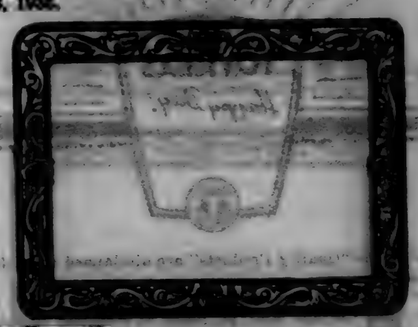
MERRITT
QUALITY

No claim is made to the word "Quality" apart from the mark.
For Honeydew Melons.
Claims use since June 1, 1935.

CLASS 47

Wines

Ser. No. 372,805. SOCIETE ANONYME LES FILS DE P. BARDINET, Castillon, near Bordeaux, France. Filed Dec. 18, 1935.



For Vermouth.
Claims use since November, 1933.

Ser. No. 372,930. BELL'S BAKING CORPORATION, INC., Eugene, Oreg. Filed Dec. 14, 1935.

Senorita

For Wine.
Claims use since Apr. 1, 1935.

Ser. No. 372,949. HERMAN KRAUSE, INCORPORATED, Toledo, Ohio. Filed Dec. 16, 1935.

Zest

For Wines.
Claims use since Dec. 2, 1933.

CLASS 48

Malt Beverages and Liquors

Ser. No. 370,735. D. D. WILLIAMSON & COMPANY, INC., doing business as Esaken Malt Products Co., Long Island City, N. Y. Filed Oct. 14, 1935.



For Preparations for Flavoring and Coloring Beer.
Claims use since 1884 for the word "Esaken" and the sheaf since Mar. 19, 1933 for the mark as shown.

Ser. No. 372,770. HEMRICH BREWING CO., Seattle, Wash. Filed Dec. 18, 1935.

Hemrich
CORONET

For Beer.
Claims use since June 4, 1934.

Ser. No. 373,050. CHRIST VOGT, doing business as Ypsilanti Brewing Company, Ypsilanti, Mich. Filed Jan. 14, 1936.

Vogt

For Beer.
Claims use since Dec. 24, 1935.

CLASS 49

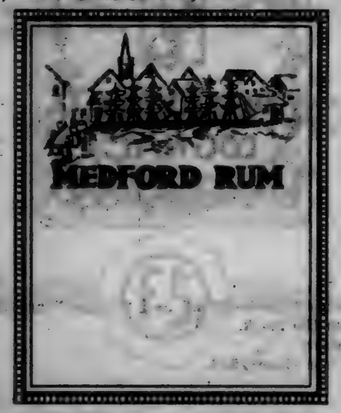
Distilled Alcoholic Liquors

Ser. No. 343,998. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Nov. 22, 1933.

Mallard

For Whiskey, Gin, Rum, Rye, Brandy, and Cordials.
Claims use since Nov. 17, 1933.

Ser. No. 346,077. NEW ENGLAND DISTILLERS, INCORPORATED, Clinton, Mass. Filed Jan. 15, 1934.



The words "Medford Rum" are disclaimed apart from the mark.
For Rum.
Claims use since Jan. 13, 1934.

Ser. No. 368,260. SPRING GROVE DISTILLING CO., INC., Chicago, Ill., assignor to The K. Taylor Distilling Co. Inc., Frankfort, Ky., a corporation of Delaware. Filed Aug. 15, 1935.

1877
K. TAYLOR'S

For Whiskey.
Claims use since June 24, 1935.

Ser. No. 368,363. SPRING GROVE DISTILLING CO., INC., Chicago, Ill., assignor to The K. Taylor Distilling Co. Inc., Frankfort, Ky., a corporation of Delaware. Filed Aug. 15, 1935.



The portraits are those of Kenner Taylor, deceased, and A. C. Thompson, an officer of the assignee corporation.
For Whiskey.
Claims use since June 24, 1935.

Ser. No. 366,563. Castillon & Co., Cognac, France. Filed Sept. 21, 1935.

JULES HENRY&C°

TRADE MARK

JULES HENRY&C°
COGNAC

The words "Trade-Mark" and "Cognac" are disclaimed apart from the mark.
For Cognac.
Claims use since 1933.

Ser. No. 371,427. Fairfield Distilling Co., Louisville, Ky. Filed Nov. 11, 1935. Under 10-year proviso.

A·G·Nall

For Whiskey.
Claims use since 1930.

Ser. No. 371,616. J. H. Van Kempen, Amsterdam, Netherlands. Filed Nov. 13, 1935.

For Gin.
Claims use since 1820.

Ser. No. 372,274. Jouin-Du-Bouyon & Son, Incorporated, New York, N. Y., and Jersey City, N. J. Filed Dec. 5, 1935.



The words "Silvovitz" and "Made By" are disclaimed apart from the mark. The drawing is lined for green, red, blue, and gold.
For Silvovitz.
Claims use since Aug. 9, 1935.

Ser. No. 372,287. Societe Des Vins & Spiritueux, S. A., Bordeaux, France. Filed Dec. 5, 1935.

BOURDON

G. BOURDON & C°
COGNAC

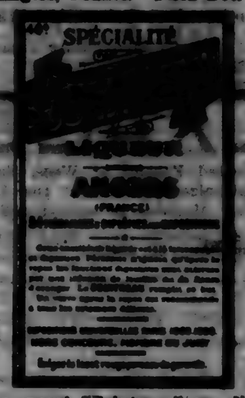
All notations except "Bourdon" and "J. Bourdon & Co." are disclaimed apart from the mark.
For Cognac.
Claims use since Apr. 30, 1934.

Ser. No. 372,288. Societe A Responsabilite Limitee Cointreau, Angers, France. Filed Dec. 5, 1935.

COINTREAU

For Liqueurs.
Claims use since Dec. 6, 1909.

Ser. No. 372,290. Societe A Responsabilite Limitee Cointreau, Angers, France. Filed Dec. 5, 1935.



All notations except "Cointreau" are disclaimed apart from the mark.
For Liqueurs.
Claims use since Aug. 8, 1929.

Ser. No. 372,513. Craigmill Bonding Company, Glasgow, Scotland. Filed Dec. 11, 1935.



All wording except "Sunny Scotch" is disclaimed apart from the mark.
For Whiskey.
Claims use since July 18, 1935.

Ser. No. 372,609. Societe Anonyme Les Fils de P. Bardinet, Canderan, near Bordeaux, France. Filed Dec. 13, 1935.

For Alcoholic Cordials and Liqueurs, Cognac, Rum, and Kummel.
Claims use since November, 1933.

Ser. No. 372,626. Carstairs Bros., Distilling Co., Philadelphia, Pa. Filed Dec. 14, 1935.

CARSTAIRS
47

For Whisky.
Claims use since Dec. 6, 1935.

Ser. No. 372,665. Fried & Stern, Inc., Chicago, Ill. Filed Dec. 16, 1935.

Kentucky Bouquet

FS

The words "Kentucky" and "Bouquet" are disclaimed apart from the mark.
For Bourbon Whiskey.
Claims use since Nov. 15, 1935.

Ser. No. 372,923. Jacob S. Polefsky, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Dec. 21, 1935.

Harlem River

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Oct. 1, 1935.

Ser. No. 372,960. Ben-Burk, Inc., Boston, Mass. Filed Dec. 22, 1935.

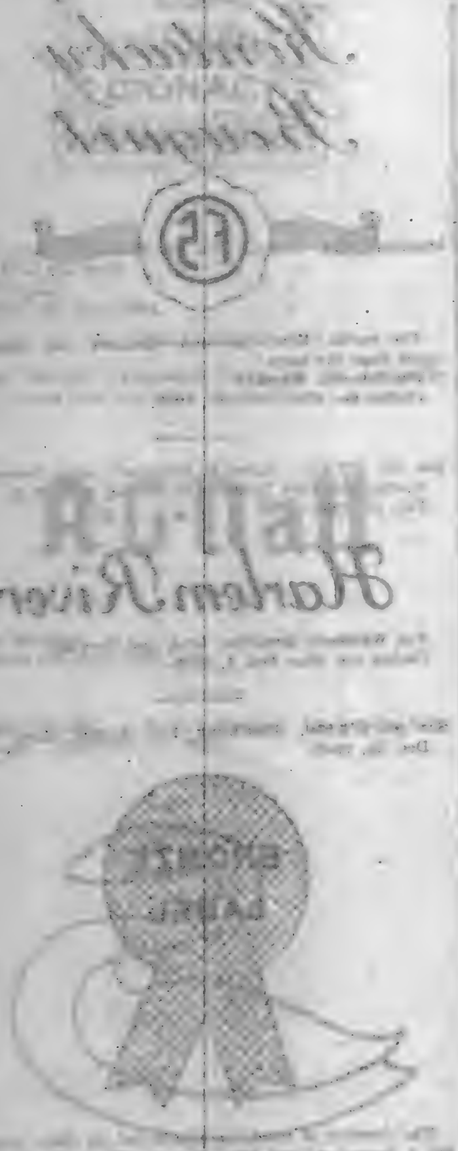
BRONZE LABEL

The drawing is lined for bronze but no claim is made for a bronze colored label, per se. The outline of the label is disclaimed apart from the mark.
For Whiskey.
Claims use since Dec. 6, 1935.

Ser. No. 378,082. A. Rosenheim, Kansas City, Mo. Filed Dec. 26, 1935.

STONE RIVER

For Whiskey.
Claims use since Dec. 11, 1935.



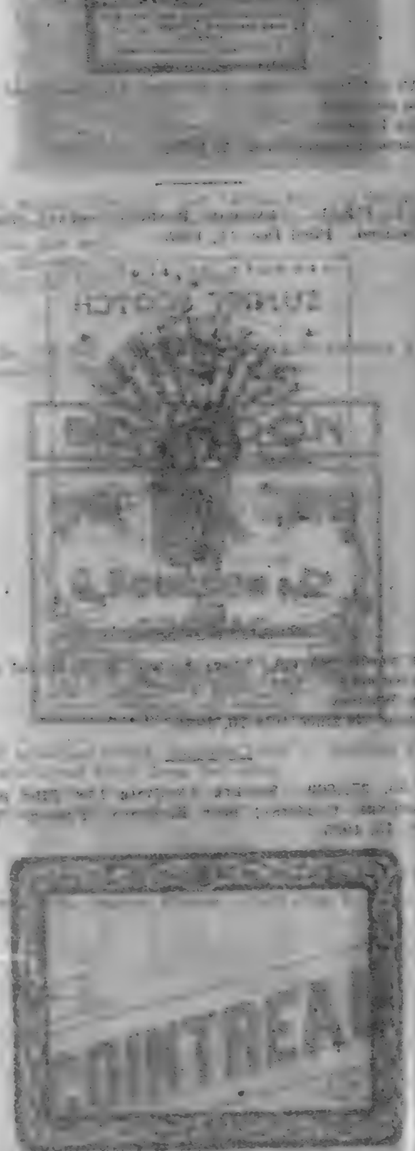
CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 365,511. The Carborundum Company, Niagara Falls, N. Y. Filed May 20, 1935.

TEXALOX

For Metal Coated Fabrics or Webs, Such as Paper, Cloth, Felt, Vulcanized Fiber, and the Like, With or Without Granular Material Between the Fabric and the Metal.
Claims use since Aug. 20, 1932.



TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

FEBRUARY 18, 1936

332,464. LADIES' AND CHILDREN'S COATS. The Ohio Dress and Coat Company, Cincinnati, Ohio.
Filed October 22, 1935. Serial No. 370,721. PUBLISHED DECEMBER 10, 1935. Class 39.

332,465. WIRE CLIPS FOR STATIONERY PURPOSES. Goldsmith Bros., New York, N. Y.
Filed October 24, 1935. Serial No. 370,767. PUBLISHED DECEMBER 10, 1935. Class 37.

332,466. MEN'S AND BOYS' OVERCOATS. Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y.
Filed October 23, 1935. Serial No. 370,715. PUBLISHED DECEMBER 10, 1935. Class 39.

332,467. CRACK AND CREVICE FILLER. The Marietta Paint & Color Co., Marietta, Ohio.
Filed October 22, 1935. Serial No. 370,665. PUBLISHED DECEMBER 10, 1935. Class 16.

332,468. MAYONNAISE. J. H. Filbert, Inc., Baltimore, Md.
Filed October 22, 1935. Serial No. 370,656. PUBLISHED DECEMBER 10, 1935. Class 46.

332,469. FILTER CLOTHS. J. de la Torre e Hijo, Mexico, D. F., Mexico.
Filed October 22, 1935. Serial No. 370,652. PUBLISHED DECEMBER 10, 1935. Class 31.

332,470. PLYWOOD WITH METAL FACES. Algoma Plywood & Veneer Company, Algoma, Wis.
Filed October 22, 1935. Serial No. 370,648. PUBLISHED DECEMBER 10, 1935. Class 12.

332,471. MOUTH ANTISEPTICS. Donald S. Thatcher, doing business as Thatcher Laboratories, Milwaukee, Wis.
Filed September 26, 1935. Serial No. 369,835. PUBLISHED DECEMBER 3, 1935. Class 6.

332,472. WOMEN'S, LADIES', AND MISSES' SLIPS. H. Goldberg Underwear, Inc., New York, N. Y.
Filed September 24, 1935. Serial No. 369,651. PUBLISHED DECEMBER 3, 1935. Class 39.

332,473. BEER, ALE, AND PORTER. Rubsam & Horrmann Brewing Co., Stapleton, N. Y.
Filed October 16, 1935. Serial No. 370,431. PUBLISHED DECEMBER 10, 1935. Class 45.

332,474. BEER, ALE, AND PORTER. Rubsam & Horrmann Brewing Co., Stapleton, N. Y.
Filed October 16, 1935. Serial No. 370,422. PUBLISHED DECEMBER 10, 1935. Class 45.

332,475. ASPHALT COMPOSITION ROOFING. The Ruberoid Co., Bound Brook, N. J., and New York, N. Y.
Filed October 19, 1935. Serial No. 370,570. PUBLISHED DECEMBER 10, 1935. Class 12.

332,476. VAGINAL INSERTS FOR FEMININE HYGIENE. The American Perfumery Company, doing business as Nessarts Company, Chicago, Ill.
Filed September 24, 1935. Serial No. 369,642. PUBLISHED DECEMBER 3, 1935. Class 6.

332,477. CANNED FRUITS, CANNED VEGETABLES. Guy B. Kinsley, San Francisco, Calif.
Filed October 19, 1935. Serial No. 370,557. PUBLISHED DECEMBER 10, 1935. Class 46.

332,478. INSECTICIDE. Vestal Chemical Company, St. Louis, Mo.
Filed September 23, 1935. Serial No. 369,637. PUBLISHED DECEMBER 3, 1935. Class 6.

332,479. BRANDIES. Giuseppe Guerrieri, doing business as Santa Fe Vintage Co., Los Angeles, Calif.
Filed October 18, 1935. Serial No. 370,540. PUBLISHED DECEMBER 10, 1935. Class 49.

332,480. COFFEE. Stanley W. Ferguson, Inc., Boston, Mass.
Filed October 25, 1935. Serial No. 370,793. PUBLISHED DECEMBER 10, 1935. Class 46.

332,481. INSECTICIDE AND FUMIGANT. Vestal Chemical Company, St. Louis, Mo.
Filed September 23, 1935. Serial No. 369,636. PUBLISHED DECEMBER 3, 1935. Class 6.

332,482. DIURETIC AND ANTACID TABLETS. McNeil Laboratories, Inc., Philadelphia, Pa.
Filed October 3, 1933. Serial No. 369,976. PUBLISHED DECEMBER 3, 1935. Class 6.

332,483. DRAWING GAME PLAYED WITH COLORED PENCILS OR CRAYONS WITH CODE SHEETS AND DEVICE FOR PLAYING THE SAME, SOLD AS A UNIT. Aircraft Specialties, Inc., Lapeer, Mich.
Filed October 25, 1935. Serial No. 370,786. PUBLISHED DECEMBER 10, 1935. Class 22.

332,484. SILVER, GOLD, AND PLATED ORNAMENTAL CONNECTOR BANDS AND SIMILARLY ORNAMENTED TOP AND BOTTOM SECTIONS AND SUCH AS MAY INCLUDE ENAMEL AND OTHER ORNAMENTATION FOR ENCLOSING AND CONCEALING PRINTED MATTER AND THE LIKE ON FLAT FIFTY CIGARETTE CARTONS, ETC. Bernard Rice's Sons Incorporated, New York, N. Y.
Filed September 24, 1935. Serial No. 369,666. PUBLISHED DECEMBER 3, 1935. Class 28.

332,485. LEAD PENCILS. Goldsmith Bros., New York, N. Y.
Filed October 24, 1935. Serial No. 370,768. PUBLISHED DECEMBER 10, 1935. Class 37.

332,486. VAGINAL INSERTS FOR FEMININE HYGIENE. Farrell C. Tooker, doing business as Asepto Products Co., Chicago, Ill.
Filed September 24, 1935. Serial No. 369,668. PUBLISHED DECEMBER 3, 1935. Class 6.

332,487. COGNAC. Societe des Proprietaires Viticoles en Cognac, J. G. Monnet & Cie., Societe Anonyme, Cognac, France.
Filed October 18, 1935. Serial No. 370,581. PUBLISHED DECEMBER 10, 1935. Class 49.

332,488. WINES. Giuseppe Guerrieri, doing business as Santa Fe Vintage Co., Los Angeles, Calif.
Filed October 18, 1935. Serial No. 370,550. PUBLISHED DECEMBER 17, 1935. Class 47.

332,489. CLEANING AND POLISHING OILS FOR FLOORS AND FURNITURE. Hall Hardware Company, Minneapolis, Minn.
Filed October 18, 1935. Serial No. 370,506. PUBLISHED DECEMBER 10, 1935. Class 16.

332,490. CIGARS. Webster Eisenlohr, Inc., New York, N. Y.
Filed October 29, 1935. Serial No. 370,979. PUBLISHED DECEMBER 10, 1935. Class 17.

332,491. HOSIERY SUCH AS LADIES' AND MISSES' ANKLET SOCKS, AND MEN'S SLACK SOCKS. Chas. Chipman's Sons Co. Inc., New York, N. Y.
Filed October 18, 1935. Serial No. 370,495. PUBLISHED DECEMBER 3, 1935. Class 39.

332,492. TRAILERS. Auto-Cruiser Mfg. and Sales Co., Inc., Baltimore, Md.
Filed October 18, 1935. Serial No. 370,494. PUBLISHED DECEMBER 10, 1935. Class 19.

332,493. SENSITIZED PHOTOGRAPHIC FILM. AGFA ANSCO CORPORATION, Binghamton, N. Y.
Filed October 17, 1935. Serial No. 370,442. PUBLISHED DECEMBER 3, 1935. Class 22.

332,494. CORNETS, TRUMPETS, TROMBONES, ALTOS, MELLOPHONES, FRENCH HORNS, BARITONES, BASSES, SAXOPHONES, CLARINETS, AND FLUTES, AND THEIR FITTINGS AND PARTS. TONE BROS. CO., Chicago, Ill.
Filed July 17, 1935. Serial No. 367,413. PUBLISHED DECEMBER 3, 1935. Class 26.

332,495. MEDICINAL SYRUP CONTAINING SODIUM CITRATE FOR USE AS AN EXPECTORANT FOR RELIEF OF COUGHS. MCNEIL LABORATORIES, INC., Philadelphia, Pa.
Filed August 2, 1935. Serial No. 367,932. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,496. COTTON PIECE GOODS. RUTH VOGEL, Brooklyn, N. Y.
Filed July 26, 1935. Serial No. 367,742. PUBLISHED DECEMBER 10, 1935. Class 42.

332,497. NONFERROUS METALS, METAL ALLOYS, AND METAL PRODUCTS IN BARS, FORGINGS, INGOTS, PIGS, RODS, SLABS, WIRES, AND CASTINGS IN THE ROUGH. FEDERATED METALS CORPORATION, New York, N. Y.
Filed October 31, 1935. Serial No. 371,023. PUBLISHED DECEMBER 10, 1935. Class 14.

332,498. CIGARS. WEBSTER EISENLOHR, INC., New York, N. Y.
Filed October 29, 1935. Serial No. 370,973. PUBLISHED DECEMBER 10, 1935. Class 17.

332,499. CIGARS. WEBSTER EISENLOHR, INC., New York, N. Y.
Filed October 29, 1935. Serial No. 370,977. PUBLISHED DECEMBER 10, 1935. Class 17.

332,500. CIGARS. WEBSTER EISENLOHR, INC., New York, N. Y.
Filed October 29, 1935. Serial No. 370,976. PUBLISHED DECEMBER 10, 1935. Class 17.

332,501. LADIES' DRESSES, BLOUSES, AND WAISTS. LERNER BLOUSE CO., New York, N. Y.
Filed October 29, 1935. Serial No. 370,954. PUBLISHED DECEMBER 3, 1935. Class 39.

332,502. WRAPPING PAPER AND KRAFT PAPER. SOUTHERN KRAFT CORPORATION, New York, N. Y.
Filed October 28, 1935. Serial No. 370,836. PUBLISHED DECEMBER 10, 1935. Class 37.

332,503. FRESH VEGETABLES. M. A. GOTTFRIED, doing business as M. A. Gottfried Co., Santa Paula, Calif.
Filed October 28, 1935. Serial No. 370,875. PUBLISHED DECEMBER 10, 1935. Class 46.

332,504. GIRLS' AND JUNIORS' COATS. WEAR FINE CLOAK CO., INC., New York, N. Y.
Filed September 27, 1935. Serial No. 369,790. PUBLISHED DECEMBER 3, 1935. Class 39.

332,505. ASBESTOS SIDING SHINGLES. THE LEHON COMPANY, Chicago, Ill.
Filed October 25, 1935. Serial No. 370,808. PUBLISHED DECEMBER 10, 1935. Class 12.

332,506. PERIODICALS. THE DAVIS PRESS, INC., Worcester, Mass.
Filed October 28, 1935. Serial No. 370,871. PUBLISHED DECEMBER 10, 1935. Class 38.

332,507. ROOF VENTILATORS. THE SWARTWOUT COMPANY, Cleveland, Ohio.
Filed September 26, 1935. Serial No. 370,167. Class 34.

332,508. CANNED EELS. THE ASIA CO., Los Angeles, Calif.
Filed July 8, 1935. Serial No. 367,088. PUBLISHED DECEMBER 10, 1935. Class 46.

332,509. SNOW SUITS, SKI SUITS, LUMBER JACKETS, MACKINAWS, REEFER COATS, AND BOYS' PANTS. ROYAL PANTS COMPANY, Buffalo, N. Y.
Filed Sept. 12, 1935. Serial No. 369,246. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,510. MEDICINAL PREPARATION FOR THE TREATMENT OF LIVER, KIDNEY, AND BLADDER DISORDERS, RHEUMATISM, AND URIC ACID TROUBLES. GOLD MEDAL HARLEM OIL CORP., Brooklyn, N. Y.
Filed September 12, 1935. Serial No. 369,226. PUBLISHED DECEMBER 3, 1935. Class 6.

332,511. GOWNS, FROCKS, AND DRESSES FOR THE USE OF WOMEN AND MISSES. INTERSTATE DRESS CORPORATION, New York, N. Y.
Filed September 11, 1935. Serial No. 369,192. PUBLISHED DECEMBER 3, 1935. Class 39.

332,512. LADIES' UNDERGARMENTS, SPECIFICALLY PRINCESS SLIPS. ALMO UNDERGARMENT COMPANY, Inc., New York, N. Y.
Filed September 11, 1935. Serial No. 369,175. PUBLISHED DECEMBER 10, 1935. Class 39.

332,513. CIGARETTE PAPERS. P. PUNTE, Marschendorf, Czechoslovakia.
Filed July 6, 1935. Serial No. 367,037. PUBLISHED DECEMBER 10, 1935. Class 6.

332,514. GIN. HEARN DEPARTMENT STORES, INC., New York, N. Y.
Filed October 31, 1935. Serial No. 371,020. PUBLISHED DECEMBER 10, 1935. Class 49.

332,515. LEATHER SOLES AND LEATHER HEELS. SATURNIA SHOE PRODUCTS CO., Brooklyn, N. Y.
Filed September 30, 1935. Serial No. 369,969. PUBLISHED DECEMBER 10, 1935. Class 29.

332,516. BABY PANTS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed September 26, 1935. Serial No. 369,812. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,517. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, SPICES, OLIVES, OLIVE OIL, AND MACARONI. ANTONIO PUCCINI, Brooklyn, N. Y.
Filed October 14, 1935. Serial No. 370,480. PUBLISHED DECEMBER 10, 1935. Class 46.

332,518. PIANOS. WINTER & COMPANY, New York, N. Y.
Filed October 15, 1935. Serial No. 370,491. PUBLISHED DECEMBER 3, 1935. Class 26.

332,519. WHISKEY. SAVOY DISTILLED PRODUCTS CORPORATION, New York, N. Y.
Filed July 2, 1935. Serial No. 366,920. PUBLISHED DECEMBER 10, 1935. Class 49.

332,520. POSTER PAPER. WEST VIRGINIA PULP & PAPER COMPANY, New York, N. Y.
Filed June 29, 1935. Serial No. 366,845. PUBLISHED DECEMBER 10, 1935. Class 37.

332,521. HAIR WAVING SOLUTIONS OR PREPARATIONS. PETRA MANUFACTURING COMPANY, Chicago, Ill.
Filed June 21, 1935. Serial No. 366,487. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,522. ASSEMBLED ELECTRICAL CONDUCTORS, INCLUDING CONTACT PRONGS, PLUGS, AND CONDUCTORS. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed October 16, 1935. Serial No. 370,502. PUBLISHED DECEMBER 3, 1935. Class 21.

332,523. SUGAR PREPARATIONS AND POWDERED MILK FOR INFANTS. "ALETE" PFLANZENEIWEISSCHEMISCHE PRODUKTE G. M. B. H., Munich, Germany.
Filed June 29, 1935. Serial No. 366,797. PUBLISHED DECEMBER 10, 1935. Class 46.

332,524. HEADACHE MEDICINE. HARRY LAKEN, doing business as Sober-Mint Co., Philadelphia, Pa.
Filed June 1, 1935. Serial No. 365,702. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,525. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed October 1, 1935. Serial No. 369,002. PUBLISHED DECEMBER 3, 1935. Class 42.

332,526. HOSIERY. DERBYSHIRE STOCKING COMPANY, New Brunswick, N. J.
Filed October 1, 1935. Serial No. 369,006. PUBLISHED DECEMBER 3, 1935. Class 39.

332,527. MEN'S TROUSERS AND BOYS' SUITS AND TROUSERS. J. & M. & M. KAPLAN, INC., doing business as The O. K. Knee Pants Co., New York, N. Y.
Filed October 1, 1935. Serial No. 369,007. PUBLISHED DECEMBER 3, 1935. Class 39.

332,528. MEDICINAL PREPARATIONS FOR VETERINARY USE. KAYLENE, LIMITED, London, England.
Filed October 1, 1935. Serial No. 369,008. PUBLISHED DECEMBER 3, 1935. Class 6.

332,529. MEDICINAL PREPARATIONS FOR VETERINARY USE. KAYLENE, LIMITED, London, England.
Filed October 1, 1935. Serial No. 369,009. PUBLISHED DECEMBER 3, 1935. Class 6.

332,530. PESSARY INSERTING APPLIANCES AND SURGICAL DIAPHRAGM PESSARIES. MAX SILVER, doing business as Gynae Research Laboratories, New York, N. Y.
Filed October 2, 1935. Serial No. 369,934. PUBLISHED DECEMBER 10, 1935. Class 44.

332,531. PERFUME AND FACE POWDER. BOURJOIS, INC., New York, N. Y.
Filed October 2, 1935. Serial No. 369,967. PUBLISHED DECEMBER 3, 1935. Class 6.

332,532. CIGARS. B. CORDOVA AND COMPANY, New York, N. Y.
Filed September 27, 1935. Serial No. 369,843. PUBLISHED DECEMBER 10, 1935. Class 17.

332,533. PILE FABRICS IN THE PIECE. COLLINS & AIKMAN CORPORATION, Philadelphia, Pa., and New York, N. Y.
Filed October 8, 1935. Serial No. 369,954. PUBLISHED DECEMBER 10, 1935. Class 42.

332,534. PILE FABRICS IN THE PIECE. COLLINS & AIKMAN CORPORATION, Philadelphia, Pa., and New York, N. Y.
Filed October 8, 1935. Serial No. 369,955. PUBLISHED DECEMBER 10, 1935. Class 42.

332,535. ANTIPYRETIC AND ANALGESIC TABLETS AND CAPSULES. MCNEIL LABORATORIES, INC., Philadelphia, Pa.
Filed October 8, 1935. Serial No. 369,973. PUBLISHED DECEMBER 3, 1935. Class 6.

332,536. ANTISPASMODIC TABLETS AND ELIXIR. MCNEIL LABORATORIES, INC., Philadelphia, Pa.
Filed October 8, 1935. Serial No. 369,974. PUBLISHED DECEMBER 3, 1935. Class 6.

332,537. ANTACID AND CARMINATIVE TABLETS, POWDER, AND LOZENGES. MCNEIL LABORATORIES, INC., Philadelphia, Pa.
Filed October 8, 1935. Serial No. 369,975. PUBLISHED DECEMBER 3, 1935. Class 6.

332,538. COMBS, THIMBLES, SHOE HORNS, AND TOILET SETS COMPRISING A COMB, BRUSH, POWDER BOX, AND HAND MIRROR, ALL MADE OF PYROXYLIN. IWAI & COMPANY, LIMITED, New York, N. Y.
Filed July 16, 1935. Serial No. 367,355. PUBLISHED NOVEMBER 19, 1935. Class 40.

332,539. MACARONI, NOODLES, AND SPAGHETTI. ROSELLO & CUNEO, Memphis, Tenn.
Filed October 14, 1935. Serial No. 370,382. PUBLISHED DECEMBER 10, 1935. Class 46.

332,540. WOMEN'S AND MISSES' BLOUSES, DRESSES, AND SKIRTS. S. WOLFSON, INC., New York, N. Y.
Filed September 26, 1935. Serial No. 369,808. PUBLISHED DECEMBER 3, 1935. Class 39.

332,541. CANNED FRUITS AND CANNED VEGETABLES. OWEN CANNING COMPANY, Owen, Wis.
Filed October 14, 1935. Serial No. 370,396. PUBLISHED DECEMBER 10, 1935. Class 46.

332,542. PREPARATION FOR THE TREATMENT OF DISEASES OF THE URINARY SYSTEM. PUBLICITE FRANCO-AMERICAINE, Paris, France.
Filed September 20, 1935. Serial No. 369,548. PUBLISHED DECEMBER 3, 1935. Class 6.

332,543. MEN'S COATS. GOODSTEIN BROS. & CO., INC., New York, N. Y.
Filed September 21, 1935. Serial No. 369,570. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,544. PREPARED POWDER COMPOSED OF FOOD INGREDIENTS TO BE ADDED TO GIN AND OTHER DRINKS TO ADD BODY AND FLAVOR THERETO. LLOYD A. RAFFETTO, San Francisco, Calif.
Filed September 21, 1935. Serial No. 369,585. PUBLISHED DECEMBER 10, 1935. Class 40.

332,545. COTTON PIECE GOODS. WILLIAM LIND, doing business as William Lind Co., New York, N. Y.
Filed September 23, 1935. Serial No. 369,615. PUBLISHED DECEMBER 3, 1935. Class 42.

332,546. COTTON PIECE GOODS. WILLIAM LIND, doing business as William Lind Co., New York, N. Y.
Filed September 23, 1935. Serial No. 369,617. PUBLISHED DECEMBER 3, 1935. Class 42.

332,547. PERIODICAL. NEEDLECRAFT PUBLISHING COMPANY, Augusta, Maine.
Filed September 23, 1935. Serial No. 369,622. PUBLISHED DECEMBER 10, 1935. Class 38.

332,548. PREPARATION FOR USE IN THE TREATMENT OF SYPHILIS. NORDMARK CHEMICAL WORKS, INC., New York, N. Y.
Filed September 23, 1935. Serial No. 369,635. PUBLISHED DECEMBER 3, 1935. Class 6.

332,549. GOLF CLUBS AND GOLF BALLS. GENERAL SPORTS INC., Chicago, Ill.
Filed September 11, 1935. Serial No. 369,260. PUBLISHED DECEMBER 10, 1935. Class 22.

332,550. GOLF CLUBS AND GOLF BALLS. GENERAL SPORTS INC., Chicago, Ill.
Filed September 12, 1935. Serial No. 369,262. PUBLISHED DECEMBER 10, 1935. Class 22.

332,551. SHOES MADE OF LEATHER, CLOTH, CANVAS, OR COMBINATIONS THEREOF. BOYD-WELSH, INC., St. Louis, Mo.
Filed September 14, 1935. Serial No. 369,295. PUBLISHED DECEMBER 10, 1935. Class 29.

332,552. VITAMINIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed September 14, 1935. Serial No. 369,312. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,553. EMULSION OF MINERAL OIL WITH AGAR AGAR AND IRISH MOSS. MORTON MANUFACTURING CORPORATION, doing business as Whitehouse Chemical Company, Lynchburg, Va.
Filed September 18, 1935. Serial No. 369,458. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,554. CANNED FISH—NAMELY, CANNED CRAB MEAT. NORTH AMERICAN MERCANTILE COMPANY, San Francisco, Calif.
Filed September 17, 1935. Serial No. 369,413. PUBLISHED DECEMBER 10, 1935. Class 46.

332,555. EMULSION OF MINERAL OIL WITH AGAR AGAR AND IRISH MOSS, AND CASCARA. MORTON MANUFACTURING CORPORATION, doing business as Whitehouse Chemical Company, Lynchburg, Va.
Filed September 18, 1935. Serial No. 369,454. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,556. LIQUID LINIMENT PREPARATION FOR EXTERNAL USE. JAMES V. DRISKELL, doing business as The Driskell Drug Co., Carrollton, Ky.
Filed September 18, 1935. Serial No. 369,481. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,557. MINERAL SALTS MADE BY EVAPORATION FROM MINERAL WATER AND KNOWN TO THE TRADE AS CRYSTALS. L. D. PACK, doing business as Loye Distributing Co., Wheeling, W. Va.
Filed September 19, 1935. Serial No. 369,501. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,558. PREPARATION FOR MAKING ICE CREAM. ROUNSEMAN FOOD PRODUCTS, INC., Newton Lower Falls, Mass.
Filed September 18, 1935. Serial No. 369,516. PUBLISHED DECEMBER 10, 1935. Class 46.

332,559. PHOTOGRAPHIC PREPARATIONS AND PHOTOGRAPHIC CHEMICALS. FINE-ROSSLEVE CO., INC., New York, N. Y.
Filed September 19, 1935. Serial No. 369,518. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,560. PHOTOGRAPHIC PREPARATIONS. FINE-ROSSLEVE CO., INC., New York, N. Y.
Filed September 19, 1935. Serial No. 369,519. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,561. DAILY NEWSPAPERS. NASSAU DAILY STAR CORPORATION, Lynbrook, N. Y.
Filed September 5, 1935. Serial No. 369,023. PUBLISHED DECEMBER 3, 1935. Class 38.

332,562. MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, COATS, VESTS, TROUSERS, TOP COATS, AND OVERCOATS. MORTON COMPANY, Philadelphia, Pa.
Filed September 9, 1935. Serial No. 369,136. PUBLISHED NOVEMBER 5, 1935. Class 39.

332,563. DAILY NEWSPAPERS. DAILY REVIEW CORPORATION, Rockville Centre, N. Y.
Filed September 5, 1935. Serial No. 369,007. PUBLISHED DECEMBER 10, 1935. Class 38.

332,564. FRESH VEGETABLES. W & S PACKING COMPANY, Salinas, Calif.
Filed October 21, 1935. Serial No. 370,641. PUBLISHED DECEMBER 10, 1935. Class 46.

332,565. FRESH VEGETABLES. W & S PACKING COMPANY, Salinas, Calif.
Filed October 21, 1935. Serial No. 370,640. PUBLISHED DECEMBER 10, 1935. Class 46.

332,566. MAGAZINE. THE ILLINOIS ATHLETIC CLUB, Chicago, Ill.
Filed October 21, 1935. Serial No. 370,617. PUBLISHED DECEMBER 10, 1935. Class 38.

332,567. PERIODICAL. HOUSING PUBLICATIONS, INC., New York, N. Y.
Filed October 21, 1935. Serial No. 370,616. PUBLISHED DECEMBER 10, 1935. Class 38.

332,568. BRANDIES. GIUSEPPE GUERRIERI, doing business as Santa Fe Vintage Company, Los Angeles, Calif.
Filed October 21, 1935. Serial No. 370,609. PUBLISHED DECEMBER 10, 1935. Class 49.

332,569. FRESH VEGETABLES. FRANCISCAN PACKING CO., Salinas, Calif.
Filed October 21, 1935. Serial No. 370,606. PUBLISHED DECEMBER 10, 1935. Class 46.

332,570. SOYBEAN GRITS OR FLOUR FOR USE IN THE MANUFACTURE OF MALTED, FERMENTED BEVERAGES. SHELLABARGER GRAIN PRODUCTS COMPANY, Decatur, Ill.
Filed October 19, 1935. Serial No. 370,586. PUBLISHED DECEMBER 10, 1935. Class 45.

332,571. ASPHALT COMPOSITION ROOFING. THE RUBEROID CO., Bound Brook, N. J., and New York, N. Y.
Filed October 19, 1935. Serial No. 370,580. PUBLISHED DECEMBER 10, 1935. Class 12.

332,572. ASPHALT COMPOSITION ROOFING. THE RUBEROID CO., Bound Brook, N. J., and New York, N. Y.
Filed October 19, 1935. Serial No. 370,579. PUBLISHED DECEMBER 10, 1935. Class 12.

332,573. ASPHALT COMPOSITION ROOFING. THE RUBEROID CO., Bound Brook, N. J., and New York, N. Y.
Filed October 19, 1935. Serial No. 370,578. PUBLISHED DECEMBER 10, 1935. Class 12.

332,574. ASPHALT COMPOSITION ROOFING. THE RUBEROID CO., Bound Brook, N. J., and New York, N. Y.
Filed October 19, 1935. Serial No. 370,572. PUBLISHED DECEMBER 10, 1935. Class 12.

332,575. ASPHALT COMPOSITION ROOFING. THE RUBEROID CO., Bound Brook, N. J., and New York, N. Y.
Filed October 19, 1935. Serial No. 370,577. PUBLISHED DECEMBER 10, 1935. Class 12.

332,576. ASPHALT COMPOSITION ROOFING. THE RUBEROID CO., Bound Brook, N. J., and New York, N. Y.
Filed October 19, 1935. Serial No. 370,576. PUBLISHED DECEMBER 10, 1935. Class 12.

332,577. GIN, WHISKEY, AND BRANDY. CAPTAIN WIRE & SPIRITS CORPORATION, New York, N. Y.
Filed November 7, 1935. Serial No. 371,296. PUBLISHED DECEMBER 10, 1935. Class 49.

332,578. LEATHER AND CLOTH COATS, NEGLIGE AND WORK SHIRTS, JACKETS, LEGGINGS, AND BREECHES FOR MEN AND BOYS. ROGER WEAR CLOTHING CO., INC., Middletown, Pa., and New York, N. Y.
Filed November 5, 1935. Serial No. 371,231. PUBLISHED DECEMBER 10, 1935. Class 39.

332,579. GAME PLAYED WITH A BOARD AND SPINNING DIAL. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed November 5, 1935. Serial No. 371,169. PUBLISHED DECEMBER 10, 1935. Class 22.

332,580. CHILDREN'S DRESSES, ROMPERS, AND PLAY-SUITS. ROMPER SUITS, INC., Philadelphia, Pa.
Filed November 2, 1935. Serial No. 371,115. PUBLISHED DECEMBER 10, 1935. Class 39.

332,581. CHILDREN'S DRESSES, BOYS' SUITS, PLAY-TOGS, AND CHILDREN'S BEACH WEAR, INCLUDING SUN SUITS AND PLAY SUITS. MARMETTE MANUFACTURING CO., Philadelphia, Pa.
Filed November 2, 1935. Serial No. 371,107. PUBLISHED DECEMBER 10, 1935. Class 39.

332,582. PRESSING MACHINES. THE AMERICAN LAUNDRY MACHINERY COMPANY, Cincinnati, Ohio.
Filed November 2, 1935. Serial No. 371,065. PUBLISHED DECEMBER 10, 1935. Class 34.

332,583. WOMEN'S APPAREL COMPRISING: SLIPS, BLOOMERS, PETTICOATS, NIGHTGOWNS, PAJAMAS, CHEMISES, STEP-INS, PANTIES. ARON-SON-CAPLIN COMPANY, INC., New York, N. Y.
Filed August 24, 1935. Serial No. 368,659. PUBLISHED DECEMBER 10, 1935. Class 39.

332,584. RUBBER COVERED HORSESHOES. LOUIS ZIEGLER, New York, N. Y.
Filed August 22, 1935. Serial No. 368,591. PUBLISHED DECEMBER 10, 1935. Class 3.

332,585. NON-ALCOHOLIC, MALTLESS BEVERAGE OF SYNTHETIC COCONUT WATER, SOLD AS A SOFT DRINK. LUQUE & FUENTES, Naguabo, Puerto Rico.
Filed August 19, 1935. Serial No. 368,562. PUBLISHED DECEMBER 10, 1935. Class 45.

332,586. ANTI-MOTH CAKE AND DEODORANT. THE BOURDAN CO., Philadelphia, Pa.
Filed August 20, 1935. Serial No. 368,660. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,587. TEMPERATURE INDICATORS, ELECTRIC METER TESTING APPARATUS, AND THERMOSTATS, ETC. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa.
Filed August 19, 1935. Serial No. 368,467. PUBLISHED DECEMBER 3, 1935. Class 26.

332,588. RAZOR BLADES. STAINLESS RAZOR BLADE COMPANY, Boston, Mass.
Filed August 15, 1935. Serial No. 368,380. PUBLISHED DECEMBER 3, 1935. Class 28.

332,589. WINDOW DISPLAY BLOCKS. PARAMOUNT SALES, INC., Battle Creek, Mich.
Filed August 14, 1935. Serial No. 368,206. PUBLISHED DECEMBER 10, 1935. Class 35.

332,590. WOMEN'S AND MISSES' SPORT COATS. MILLER & MANE, INC., New York, N. Y.
Filed August 13, 1935. Serial No. 368,207. PUBLISHED DECEMBER 3, 1935. Class 39.

332,591. SWEATERS. ALPS SPORTSWEAR MFG. CO., INC., Boston, Mass.
Filed August 28, 1935. Serial No. 368,705. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,592. MAGNETIC SEPARATORS. SAMUEL G. FRANTZ, New York, N. Y.
Filed May 20, 1935. Serial No. 365,128. PUBLISHED DECEMBER 3, 1935. Class 23.

332,593. CHILDREN'S DRESSES. ABE KAHN-HALBERICH CO., New York, N. Y.
Filed August 27, 1935. Serial No. 368,762. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,594. TABLETS USED TO RELIEVE WEARINESS, MENTAL FATIGUE, AIR SICKNESS, AND HEADACHES. LOYOLA J. FAY, doing business as Fay's Laboratories, Spokane, Wash.
Filed August 27, 1935. Serial No. 368,747. PUBLISHED DECEMBER 3, 1935. Class 6.

332,595. HOSIERY. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed August 24, 1935. Serial No. 368,688. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,596. HOSIERY. SCHUYLKILL VALLEY MILLS, INC., Spring City, Pa.
Filed June 8, 1934. Serial No. 352,458. PUBLISHED DECEMBER 10, 1935. Class 39.

332,597. SPAGHETTI, MACARONI, NOODLES, AND SPAGHETTI DINNER (A PACKAGE CONSISTING OF SPAGHETTI, GRATED CHEESE, AND SPAGHETTI SAUCE). KUNZE BROTHERS CORPORATION, Philadelphia, Pa.
Filed July 24, 1934. Serial No. 354,251. PUBLISHED DECEMBER 10, 1935. Class 46.

332,598. VEHICLE WINDSHIELD WIPER BLADES. THE SLEETEX COMPANY, INC., New York, N. Y.
Filed August 2, 1934. Serial No. 354,579. PUBLISHED DECEMBER 10, 1935. Class 19.

332,599. COTTON MACHINERY, SUCH AS GUMMERS AND FILERS, COTTON GINNING MACHINERY, AND COTTON OIL MILL MACHINERY. FORT WORTH STEEL & MACHINERY CO., Fort Worth, Tex.
Filed June 28, 1934. Serial No. 353,269. PUBLISHED AUGUST 14, 1934. Class 23.

332,600. DRAWING PAPER IN SHEETS AND ROLLS, CRAYONS, AND RUBBER ERASERS. J. L. HAMMETT COMPANY, Cambridge, Mass., and Newark, N. J.
Filed August 14, 1934. Serial No. 354,989. PUBLISHED DECEMBER 10, 1935. Class 37.

332,601. BOILERS, RADIATORS, FURNACES, AIR CONDITIONERS, HUMIDIFIERS, AND JACKETS, OIL OR GAS OR COAL FIRED BURNERS AND STOKERS THEREFOR, AND THE LIKE. CRANE CO., Chicago, Ill.
Filed September 23, 1935. Serial No. 369,673. PUBLISHED DECEMBER 10, 1935. Class 34.

332,602. PAJAMAS AND SLEEPING GARMENTS. CAPPER & CAPPER, LTD., Chicago, Ill.
Filed September 25, 1935. Serial No. 369,695. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,603. HOSIERY. ROCK, JUDSON, TOWNSHORN COMPANY OF NEW YORK, INC., Long Island City, N. Y.
Filed September 24, 1935. Serial No. 369,734. PUBLISHED DECEMBER 3, 1935. Class 39.

332,604. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed September 24, 1935. Serial No. 369,739. PUBLISHED DECEMBER 3, 1935. Class 39.

332,605. SPAGHETTI, MACARONI, AND NOODLES. SAN DIEGO MACARONI MFG. CO., San Diego, Calif.
Filed August 12, 1935. Serial No. 368,239. PUBLISHED DECEMBER 10, 1935. Class 46.

332,606. OUTER SHIRTS. THE MANHATTAN SHIRT COMPANY, New York, N. Y.
Filed August 12, 1935. Serial No. 368,233. PUBLISHED DECEMBER 10, 1935. Class 39.

332,607. OUTER SHIRTS. THE MANHATTAN SHIRT COMPANY, New York, N. Y.
Filed August 12, 1935. Serial No. 368,232. PUBLISHED DECEMBER 3, 1935. Class 39.

332,608. LEAF TOBACCO. HIJOS DE DIEGO MONTERO, S. EN C., Habana, Cuba.
Filed August 9, 1935. Serial No. 368,142. PUBLISHED DECEMBER 10, 1935. Class 17.

332,609. FLAVORING EXTRACTS FOR FOODS. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y.
Filed August 8, 1935. Serial No. 368,117. PUBLISHED DECEMBER 10, 1935. Class 46.

332,610. DISINFECTANTS. ANTHONY PERGOLANO, Astoria, N. Y.
Filed August 6, 1935. Serial No. 368,049. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,611. PERIODICAL. THOMAS PUBLISHING CO., New York, N. Y.
Filed August 5, 1935. Serial No. 368,012. PUBLISHED DECEMBER 10, 1935. Class 38.

332,612. FOUNTAIN PEN NIBS. THE PARKER PEN COMPANY, Janesville, Wis.
Filed April 15, 1935. Serial No. 363,763. PUBLISHED DECEMBER 10, 1935. Class 37.

332,613. ALLOY CASTINGS IN THE ROUGH FOR USE IN THE MANUFACTURE OF HOUSEHOLD APPLIANCES. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed April 10, 1935. Serial No. 363,606. PUBLISHED DECEMBER 10, 1935. Class 14.

332,614. COMBINATION AX, BRUSH-KNIFE, AND HOOK TOOL. MORRIS E. JACKSON, JR., Seattle, Wash.
Filed March 29, 1935. Serial No. 363,171. PUBLISHED DECEMBER 3, 1935. Class 23.

332,615. COFFEE MAKERS. THE SILEX COMPANY, Hartford, Conn.
Filed March 28, 1935. Serial No. 363,123. PUBLISHED DECEMBER 10, 1935. Class 18.

332,616. SHOES MADE OF LEATHER, RUBBER, AND FABRIC, OR COMBINATIONS THEREOF. LEO FROSH, Los Angeles, Calif.
Filed March 23, 1935. Serial No. 362,995. PUBLISHED DECEMBER 10, 1935. Class 29.

332,617. DECORATIVE WRAPPERS FOR EASTER EGGS. PAAS DYE COMPANY, Newark, N. J.
Filed March 21, 1935. Serial No. 362,839. PUBLISHED NOVEMBER 12, 1935. Class 37.

332,618. PREPARATION TO BE USED AS A LAXATIVE. NATHAN SCHULMAN, doing business as Naturade Products Co., Long Beach, Calif.
Filed March 15, 1935. Serial No. 362,600. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,619. PUBLICATIONS, PUBLISHED FROM TIME TO TIME. JOHN F. RIDER, New York, N. Y.
Filed March 14, 1935. Serial No. 362,530. PUBLISHED DECEMBER 10, 1935. Class 38.

332,620. WOOLEN PIECE GOODS. SCHNEIDER & ABRAHAM, New York, N. Y.
Filed September 26, 1933. Serial No. 359,745. PUBLISHED DECEMBER 3, 1935. Class 42.

332,631. ROAD PATCHING AND PAVING MATERIAL—NAMELY, A MIXTURE OF CRACKED STONE AND OIL FOR FILLING OR PATCHING PAVED ROADS. ELIZABETH G. KINNAN, South Orange, N. J.
Filed September 26, 1935. Serial No. 368,740. PUBLISHED DECEMBER 3, 1935. Class 12.

332,632. NEWSPAPER SECTIONS. SMOCKEY LOMA, Rutland, Vt.
Filed September 26, 1935. Serial No. 369,747. PUBLISHED DECEMBER 3, 1935. Class 38.

332,633. COMPOUND USED AS A VULCANIZATION ACCELERATOR IN THE CURING OF RUBBER ARTICLES. THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio.
Filed September 27, 1935. Serial No. 369,779. PUBLISHED DECEMBER 3, 1935. Class 6.

332,634. CHEMICAL COMPOUNDS EMPLOYED AS ANTIOXIDANTS IN THE MANUFACTURE OF VULCANIZED RUBBER ARTICLES. THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio.
Filed September 27, 1935. Serial No. 369,780. PUBLISHED DECEMBER 3, 1935. Class 6.

332,635. HECTOGRAPHS. JERRY BROS, doing business as J. Bros Specialty Mfg., Atlantic City, N. J.
Filed May 14, 1935. Serial No. 364,913. PUBLISHED DECEMBER 10, 1935. Class 37.

332,636. GEAR SHAVING AND BURNISHING TOOLS. THE NATIONAL TOOL COMPANY, Cleveland, Ohio.
Filed April 29, 1935. Serial No. 364,250. PUBLISHED DECEMBER 3, 1935. Class 23.

332,637. DRY SWEDISH RYE BREAD. KOMMANDITBOLAGET SPIS- & KNÄCKEBRÖDSFABRIKEN KRONAN, BARTHEL KOCH, Sundbyberg, Sweden.
Filed April 15, 1935. Serial No. 363,760. PUBLISHED DECEMBER 10, 1935. Class 46.

332,638. SALAD DRESSING, SANDWICH SPREAD, EGGS AND OLEOMARGARINE. KADANE-BROWN, INC., Dallas, Tex.
Filed July 13, 1935. Serial No. 367,244. PUBLISHED DECEMBER 10, 1935. Class 46.

332,639. PREPARED EDIBLE CHOCOLATE. LAMONT, CORLISS & COMPANY, New York, N. Y.
Filed February 25, 1935. Serial No. 361,709. PUBLISHED APRIL 16, 1935. Class 46.

332,640. PREPARED EDIBLE CHOCOLATE. LAMONT, CORLISS & COMPANY, New York, N. Y.
Filed February 25, 1935. Serial No. 361,710. PUBLISHED APRIL 16, 1935. Class 46.

332,641. MEN'S SHOES COMPOSED OF LEATHER, RUBBER, FABRIC AND COMBINATIONS THEREOF. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed September 3, 1935. Serial No. 368,957. PUBLISHED DECEMBER 10, 1935. Class 39.

332,642. PREPARED EDIBLE CHOCOLATE. LAMONT, CORLISS & COMPANY, New York, N. Y.
Filed February 25, 1935. Serial No. 361,711. PUBLISHED APRIL 16, 1935. Class 46.

332,643. MEDICATED CAPSULES CONTAINING A SODIUM NITRITE COMPOUND FOR USE AS A VASODILATOR OR PREPARATION WHICH DILATES THE BLOOD VESSELS, HAVING SLIGHTLY LAXATIVE PROPERTIES. MCNEIL LABORATORIES, INC., Philadelphia, Pa.
Filed August 1, 1935. Serial No. 367,934. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,644. MEN'S SUITS, TOPCOATS AND OVERCOATS. KELLER, HERMANN & THOMPSON COMPANY, INC., Rochester, N. Y.
Filed October 7, 1935. Serial No. 370,107. PUBLISHED DECEMBER 3, 1935. Class 39.

332,645. PREPARED COCOA. B. HELLER & COMPANY, Chicago, Ill.
Filed October 7, 1935. Serial No. 370,099. PUBLISHED DECEMBER 10, 1935. Class 46.

332,646. MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS, BLOUSES, PAJAMAS TEXTILE UNDERWEAR, AND OVERJACKETS (THESE OVERJACKETS ARE KNIT BOTTOM BLOUSES GENERALLY MADE OF HEAVY BUFFALO FLANNELS OR PLAID FLANNELS) MADE OF COTTON, LINEN, FLANNEL, WOOL, SILK, ARTIFICIAL SILK, AND OTHER TEXTILES. H. D. BOB COMPANY, INC., New York, N. Y.
Filed October 7, 1935. Serial No. 370,090. PUBLISHED DECEMBER 3, 1935. Class 39.

332,647. WOMEN'S KNITTED EMBLEMS, KNITTED SWEATERS, KNITTED DRESSES. MISS C. ESTEIN, doing business as Oak Hall Knitted Fashions, New York, N. Y.
Filed October 5, 1935. Serial No. 370,045. PUBLISHED DECEMBER 3, 1935. Class 39.

332,648. LACE PIECE GOODS. CAMP & CO., INC., New York, N. Y.
Filed October 5, 1935. Serial No. 370,069. PUBLISHED DECEMBER 10, 1935. Class 42.

332,649. HOSIERY. THE FLORSHEIM SHOE COMPANY, Chicago, Ill.
Filed October 19, 1935. Serial No. 370,847. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,650. RUBBER SOLES. QUABAUG RUBBER COMPANY, North Brookfield, Mass.
Filed October 5, 1935. Serial No. 370,064. PUBLISHED DECEMBER 10, 1935. Class 39.

332,651. ARTICLES OF COMMERCE COMPRISING A HOLDER, A COMPOSITE PHOTOGRAPH IN THE HOLDER, AND A MOVABLE SCREEN IN FRONT OF THE PHOTOGRAPH. GRANT VENDING CORP., New York, N. Y., now by change of name Grant Photo Corporation.
Filed February 12, 1935. Serial No. 361,315. PUBLISHED DECEMBER 3, 1935. Class 38.

332,652. WAXED PAPER. MARCALUS MANUFACTURING CO., INC., Elizabeth, N. J.
Filed October 19, 1935. Serial No. 370,537. PUBLISHED DECEMBER 10, 1935. Class 37.

332,653. COAL. OLD BEN COAL CORPORATION, Chicago, Ill.
Filed October 16, 1935. Serial No. 370,421. PUBLISHED DECEMBER 10, 1935. Class 1.

332,654. REINFORCING BARS. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio.
Filed October 15, 1935. Serial No. 370,404. PUBLISHED DECEMBER 10, 1935. Class 12.

332,655. PHONOGRAPH NEEDLES. AMERICAN RECORD CORPORATION, New York, N. Y.
Filed October 12, 1934. Serial No. 357,214. PUBLISHED DECEMBER 3, 1935. Class 35.

332,656. TABLE SALT. THE UNION SALT COMPANY, Cleveland, Ohio.
Filed October 24, 1934. Serial No. 357,617. PUBLISHED DECEMBER 10, 1935. Class 46.

332,657. HOSIERY. PLYMOUTH HOSIERY MILLS, High Point, N. C.
Filed November 28, 1934. Serial No. 358,651. PUBLISHED NOVEMBER 26, 1935. Class 39.

332,658. BOOTS AND SHOES CONSTRUCTED OF LEATHER AND/OR FABRIC. THE SELBY SHOE COMPANY, Portsmouth, Ohio.
Filed January 14, 1935. Serial No. 360,247. PUBLISHED DECEMBER 10, 1935. Class 39.

332,659. PERIODICAL. ADVERTISING PUBLICATIONS, INC., Chicago, Ill., and New York, N. Y.
Filed July 12, 1935. Serial No. 367,226. PUBLISHED DECEMBER 10, 1935. Class 38.

332,660. TOY AEROPLANES, PARTS, PROPELLERS, AND ACCESSORIES THEREFOR. Lewis BARNETT, doing business as International Models Company, New York, N. Y.
Filed July 22, 1935. Serial No. 367,567. PUBLISHED DECEMBER 14, 1935. Class 21.

332,661. NECKTIES WITH ADJUSTABLE BUCKBANDS. WILLIAM MAYER, New York, N. Y.
Filed July 12, 1935. Serial No. 367,206. PUBLISHED DECEMBER 10, 1935. Class 39.

332,662. SALAD DRESSING, SANDWICH SPREAD, MAYONNAISE, VEGETABLE RELISH, MUSTARD, PICKLES. DAVID PENDER GROCERY COMPANY, Norfolk, Va.
Filed September 3, 1935. Serial No. 368,940. PUBLISHED DECEMBER 10, 1935. Class 46.

332,663. WRAPPING PAPER. NEKOOSA-EDWARDS PAPER COMPANY, Port Edwards, Wis.
Filed July 18, 1935. Serial No. 367,444. PUBLISHED DECEMBER 10, 1935. Class 37.

332,664. YARNS. AMERICAN SILK SPINNING CO., Providence, R. I.
Filed July 18, 1935. Serial No. 367,431. PUBLISHED DECEMBER 3, 1935. Class 43.

332,665. ANALGESIC AND ANTIPYRETIC. HENLEY LABORATORIES, New York, N. Y.
Filed August 31, 1935. Serial No. 368,389. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,666. ARTICLES OF JEWELRY—NAMELY, NECKLACES, BRACELETS, FINGER RINGS, BUCKLES, PINS, BROOCHES, EAR RINGS, PENDANTS, AND THE LIKE, NOT INCLUDING WATCHES—MADE WHOLLY OR IN PART OF PRECIOUS METALS OR PLATED WHOLLY OR IN PART WITH PRECIOUS METALS. FORSTNER CHAIN CORPORATION, Irvington, N. J.
Filed August 31, 1935. Serial No. 368,864. PUBLISHED DECEMBER 3, 1935. Class 28.

332,667. SEWER PIPE OF CLAY AND NOT INCLUDING METAL PIPE. IMPERIAL CLAY PRODUCTS CORPORATION, Cleveland, Ohio.
Filed August 30, 1935. Serial No. 368,353. PUBLISHED DECEMBER 3, 1935. Class 13.

332,668. PASTEBOARD WRAPPERS FOR CAKES. LANE & SPRAGUE CORPORATION, Upper Darby, Pa.
Filed August 29, 1935. Serial No. 368,312. PUBLISHED DECEMBER 10, 1935. Class 2.

332,669. LEATHER SHOES. ATLANTA HUB CO., INC., New York, N. Y.
Filed August 29, 1935. Serial No. 368,784. PUBLISHED DECEMBER 10, 1935. Class 39.

332,670. MEN'S AND YOUNG MEN'S TOP COATS, OVERCOATS, AND SUITS. H. FRIEDLY & SON, INC., Philadelphia, Pa.
Filed September 25, 1934. Serial No. 356,407. PUBLISHED DECEMBER 10, 1935. Class 39.

332,671. TONIC FOR USE AS A LAXATIVE, CARMINATIVE, DIURETIC, FEMALE TONIC FOR PAINFUL AND IRREGULAR MENSTRUATION; RHEUMATISM TONIC FOR MUSCULAR AND ARTICULAR RHEUMATISM, ETC. EDWIN B. BECKER, doing business as Pur-Ero Laboratories, Chicago, Ill.
Filed September 25, 1934. Serial No. 356,500. PUBLISHED NOVEMBER 26, 1935. Class 6.

332,672. HAIR COLOR RESTORERS. MONROE CHEMICAL CO., doing business as Mary T. Goldman Co., Quincy, Ill.
Filed November 27, 1933. Serial No. 344,199. PUBLISHED FEBRUARY 13, 1934. Class 6.

332,673. PORK AND BEANS, CANNED VEGETABLES, FRUIT PRESERVES, CANNED FISH, AND CANNED FRUITS. STEVENSON-BENKO CO., Chicago, Ill.
Filed August 20, 1931. Serial No. 318,258. PUBLISHED DECEMBER 10, 1935. Class 46.

332,674. PLASTIC SEALING COMPOUND FOR DUCTS AND THE LIKE. JOHNS-MANVILLE CORPORATION, New York, N. Y.
Filed May 8, 1934. Serial No. 351,067. PUBLISHED DECEMBER 3, 1935. Class 12.

332,675. DENTAL RUBBER. ATLANTIC RUBBER MANUFACTURING CORPORATION, New York, N. Y.
Filed October 12, 1935. Serial No. 370,289. PUBLISHED DECEMBER 10, 1935. Class 44.

332,676. LADIES' HATS. SAMUEL SCHEUER, New York, N. Y.
Filed October 11, 1935. Serial No. 370,275. PUBLISHED DECEMBER 10, 1935. Class 39.

332,677. HOSIERY, SHIRTS, PAJAMAS, TIES, AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. JAMES MCCREERY & COMPANY, New York, N. Y.
Filed October 11, 1935. Serial No. 370,285. PUBLISHED DECEMBER 3, 1935. Class 39.

332,678. WINES. LA SALLE PRODUCTS INC., Milwaukee, Wis., assignor to D. A. Schulte, Inc., New York, N. Y., a corporation of New York.
Filed October 9, 1935. Serial No. 370,186. PUBLISHED DECEMBER 10, 1935. Class 47.

332,679. FRESH VEGETABLES. HILLSBORO-QUEEN ANNE COOPERATIVE CORP., Queen Anne, and Baltimore, Md.
Filed October 9, 1935. Serial No. 370,182. PUBLISHED DECEMBER 10, 1935. Class 46.

332,680. CONTINUOUS WRITING STRIPS INTERLEAVED WITH CARBON STRIPS FOR USE IN MANIPULATING REGISTERS IN TYPEWRITERS AND IN OTHER MACHINES. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J.
Filed October 15, 1935. Serial No. 370,378. PUBLISHED DECEMBER 10, 1935. Class 37.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

332,671. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) SAN ANGELO WINE & SPIRITS CORP., Los Angeles, Calif. Filed Nov. 27, 1934. Serial No. 358,702.

KOOL

For Gin.
Claims use since Nov. 21, 1934.

332,672. (CLASS 26. MUSICAL INSTRUMENTS AND SUPPLIES.) GIBSON, INC., Kalamazoo, Mich. Filed Nov. 28, 1934. Serial No. 358,641.

CROMWELL

For Fretted Musical Instruments and Strings and Parts Thereof.
Claims use since Sept. 26, 1934.

332,672. (CLASS 2. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) AMITY LEATHER PRODUCTS CO., West Bend, Wis. Filed Sept. 22, 1934. Serial No. 356,290.

Zipurs

For Pocketbooks.
Claims use since Sept. 8, 1934.

332,674. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BENRUS MANUFACTURING COMPANY, INC., New York, N. Y. Filed May 23, 1934. Serial No. 351,681.

GOODRICH

For Bracelet Watch Cases.
Claims use since March, 1927.

332,675. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. C. DANIELLS, Eustis, Fla. Filed Jan. 7, 1935. Serial No. 360,017.

TRU-FLORIDA

For Canned and Fresh Citrus Fruits.
Claims use since Nov. 15, 1934.

332,676. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JOSEPH S. FINCH & COMPANY, Schenley, Pa. Filed Jan. 10, 1936. Serial No. 373,525.

PAR EXCELLENCE

For Whiskey, Brandy, Gin, Rum, and Alcoholic Cordials.
Claims use since Mar. 5, 1934.

332,677. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA PEA PRODUCTS, INC., Fullerton, Calif. Filed Apr. 9, 1935. Serial No. 363,435.

FIELD RIPE

For Canned Vegetables.
Claims use since Jan. 4, 1935.

332,678. (CLASS 39. CLOTHING.) M. SIEGEL, doing business as M. Siegel Manufacturing Company, Tyler, Tex. Filed Dec. 19, 1935. Serial No. 372,669.

Peggy O'Neill

For Wash Frocks, Dresses, and Underwear of Knitted and Textile Material for Men, Women, and Children.
Claims use since February, 1933.

332,679. (CLASS 39. CLOTHING.) BROWN-RICH CORP., New York, N. Y. Filed Dec. 16, 1935. Serial No. 372,553.

CHAMI-SUEDE

For Ladies' Slips, Gowns, Pajamas, Dance Sets, Chemises, Panties, and Negligees.
Claims use since 1932.

332,680. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CHICAGO BELTING CO., Chicago, Ill. Filed Dec. 4, 1935. Serial No. 372,237.

TENSION WELDED

For Leather Belting.
Claims use since Mar. 1, 1931.

332,681. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ACME SHEAR COMPANY, Bridgeport, Conn. Filed Dec. 3, 1935. Serial No. 372,190.

"WINDSOR"

For Scissors and Shears.
Claims use since Dec. 11, 1934.

332,682. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT S. GARCIULO, Brawley, Calif. Filed Nov. 20, 1935. Serial No. 371,704.

Pieno GUSTO

For Fresh Vegetables.
Claims use since Dec. 17, 1932.

332,683. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GRIFFITH LABORATORIES, INC., Chicago, Ill. Filed Nov. 27, 1935. Serial No. 372,035.

SAVORY DRUMSTICK DRESSING

For Flavoring Composition and Dressing to be Added to Ground Meats.
Claims use since August, 1934.

332,684. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EIMCO DERRICK & EQUIPMENT COMPANY, Los Angeles, Calif. Filed Oct. 1, 1935. Serial No. 369,881.

DIGANCARRY

For Tractor Drawn Earth Scrapers.
Claims use since July, 1934.

332,685. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) F. C. DONOVAN, INC., Boston, Mass. Filed May 18, 1935. Serial No. 365,069.

CHENANGO

For Leather.
Claims use since Jan. 1, 1935.

332,686. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MOTOR PRODUCTS, INCORPORATED, Los Angeles, Calif. Filed Mar. 28, 1935. Serial No. 362,975.

HY-DUTY

For Cast Iron and Aluminum Alloy Pistons.
Claims use since Aug. 1, 1934.

332,687. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) T. J. PENDERGAST WHOLESALE LIQUOR CO., Kansas City, Mo. Filed Jan. 15, 1936. Serial No. 373,703.

Old Hardesty

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since March, 1934.

TRADE-MARK REGISTRATIONS RENEWED

107,013. CHALK WRITING-CRAYONS. Registered November 9, 1915. ERNEST W. A. ROWLES. Renewed November 9, 1935, to E. W. A. Rowles Co., Chicago, Ill., a corporation of Illinois, successor.

107,529. ELECTRIC LAMPS AND PARTS THEREOF, SPARK-PLUGS, LAMP-ADAPTERS, PLUGS AND SOCKETS, AND TERMINALS. Registered December 7, 1915. A. W. ROSEN & CO., New York, N. Y., a corporation of New York. Renewed December 7, 1935.

107,640. A FLAVORING EXTRACT FOR FOOD PURPOSES. Registered December 14, 1915. BERT H. SELLERS, doing business as Sellers-Brown Coffee Company, St. Louis, Mo. Renewed December 14, 1935.

107,740. MEDICINE IN THE FORM OF CAPSULES FOR CERTAIN NAMED DISEASES. Registered December 28, 1915. DONALD E. HALLER, Chambersburg, Pa. Renewed December 28, 1935.

107,843. ICE-CREAM AND WATER-ICES. Registered December 28, 1915. FUSSELL ICE CREAM CO. Renewed December 28, 1935, to Pioneer Ice Cream Brands, Inc., New York, N. Y., a corporation of Delaware, successor.

107,913. KEROSENE. Registered January 4, 1916. GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa., a corporation of Texas. Renewed January 4, 1936.

107,914. A PURE REFINED PARAFFIN-WAX. Registered January 4, 1916. GULF REFINING COMPANY, Port Arthur, Tex., and Pittsburgh, Pa., a corporation of Texas. Renewed January 4, 1936.

108,161. RAIN-COATS. Registered January 18, 1916. C. B. SHANE COMPANY. Renewed January 18, 1936, to C. B. Shane Corporation, Chicago, Ill., a corporation of Illinois, assignee.

108,382. STERILIZERS, DISINFECTANTS, AND PURIFIERS. Registered February 1, 1916. GENERAL PURIFICATION CO., Phoenix, Ariz., and Madison, Wis. Renewed February 1, 1936, to General Laboratories, Inc., Philadelphia, Pa., a corporation of Delaware, assignee by mesne assignments.

108,484. CORN REMEDIES. Registered February 8, 1916. EDWARD CARTER LITLE, Baltimore, Md. Renewed February 8, 1936.

108,691. CERTAIN NAMED MEASURING AND SCIENTIFIC APPLIANCES. Registered February 22, 1916. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa., a corporation of Pennsylvania. Renewed February 22, 1936.

109,156. ELECTRICAL LAMPS, LANTERNS, AND HEADLIGHTS. Registered March 21, 1916. R. E. DIETZ COMPANY, New York, N. Y., a corporation of New York. Renewed March 21, 1936.

109,459. CANDIES. Registered April 11, 1916. IDAHO CANDY COMPANY, Boise, Idaho, a corporation of Idaho. Renewed April 11, 1936.

109,506. TEXTILE THREADS. Registered April 11, 1916. BELDING BROS. & CO., Rockville, Conn., and New York, N. Y. Renewed April 11, 1936, to Belding Heminway Company, Putnam, Conn., and New York, N. Y., a corporation of Connecticut, by change of name.

109,507. TEXTILE THREADS. Registered April 11, 1916. BELDING BROS. & CO., Rockville, Conn., and New York, N. Y. Renewed April 11, 1936, to Belding Heminway Company, Putnam, Conn., and New York, N. Y., a corporation of Connecticut, by change of name.

109,510. SILK PIECE GOODS AND MIXED SILK AND COTTON PIECE GOODS. Registered April 11, 1916. BELDING BROS. & CO., Rockville, Conn., and New York, N. Y. Renewed April 11, 1936, to Belding Heminway Company, Putnam, Conn., and New York, N. Y., a corporation of Connecticut, by change of name.

109,511. SILK PIECE GOODS AND MIXED COTTON AND SILK PIECE GOODS. Registered April 11, 1916. BELDING BROS. & CO., Rockville, Conn., and New York, N. Y. Renewed April 11, 1936, to Belding Heminway Company, Putnam, Conn., and New York, N. Y., a corporation of Connecticut, by change of name.

109,632. ARTIFICIAL SILK. Registered April 11, 1916. BELDING BROS. & CO., Rockville, Conn., and New York, N. Y. Renewed April 11, 1936, to Belding Heminway Company, Putnam, Conn., and New York, N. Y., a corporation of Connecticut, by change of name.

109,815. DENTAL FLOSS. Registered April 18, 1916. BELDING BROS. & CO., Rockville, Conn., and New York, N. Y. Renewed April 18, 1936, to Belding Heminway Company, Putnam, Conn., and New York, N. Y., a corporation of Connecticut, by change of name.

109,884. FOOD-FLAVORING EXTRACTS. Registered April 18, 1916. VAN DUSEN EXTRACT COMPANY, Springfield, Mass., a corporation of Massachusetts. Renewed April 18, 1936.

110,100. WRITING-PAPER, PRINTING-PAPER, TRACING-PAPER, AND ENVELOPES. Registered May 2, 1916. CLARENCE J. MCKINNEY, Boston, Mass. Renewed May 2, 1936, to Frederick A. Ripley, New York, N. Y., assignee.

110,163. LEATHER SHOES. Registered May 9, 1916. BROWN SHOE CO. INC. Renewed May 9, 1936, to Brown Shoe Company, Inc., St. Louis, Mo., a corporation of New York.

110,221. REINFORCING-STRIPS FOR PART OF GARMENTS WHERE BUTTONS ARE SEWED AND BUTTONHOLES MADE. Registered May 9, 1916. ROSS PATCH & LABEL CO., Grand Rapids, Mich., a corporation of Michigan. Renewed May 9, 1936.

110,323. TOILET-PAPER. Registered May 16, 1916. THE PEERLESS MFG. CO., Norristown, Pa. Renewed May 16, 1936, to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania, assignee.

110,382. MATCHES. Registered May 16, 1916. NAAMLOOZE VENNOOTSCHAP VEREENIGDE NEDERLANDSCHE LUCIFERSFABRIEKEN. Renewed May 16, 1936, to N.V. Vereenigde Hollandsche Lucifersfabrieken, Eindhoven, Netherlands, a Dutch corporation, successor.

110,462. LEATHER BOOTS AND SHOES. Registered May 30, 1916. DUNN & MCCARTHY. Renewed May 30, 1936, to Dunn & McCarthy, Inc., Auburn, N. Y., a corporation of New York, successor.

110,673. DISINFECTANTS. Registered June 6, 1916. NEOSPORIN SCHWEIZ. THEARTWE-DIENSTGESELLSCHAFT, Bern, Switzerland, a corporation of Switzerland. Renewed June 6, 1936.

110,755. COTTON AND MIXED PIECE GOODS AND DRAPERIES. Registered June 13, 1916. MANVILLE COMPANY, Providence, R. I. Renewed June 13, 1936, to Manville Jenckes Corporation, Manville, R. I., a corporation of Delaware, successor.

110,756. NAPKINS. Registered June 13, 1916. MANVILLE COMPANY, Providence, R. I. Renewed June 13, 1936, to Manville Jenckes Corporation, Manville, R. I., a corporation of Delaware, successor.

111,027. CIGARETTE-PAPER. Registered June 20, 1916. SOCIÉTÉ ANONIME D'EXPLOITATION DES PAPETERIES L. LACROIX FILS, Angoulême, France, a société anonyme of France. Renewed June 20, 1936.

111,030. SNAP-BUTTONS USED AS GARMENT-FASTENERS. Registered June 20, 1916. WALDES & CO., Prague-Wrschowitz, Austria-Hungary. Renewed June 20, 1936, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

111,092. COATS, VESTS, TROUSERS, OVERCOATS, AND RAIN-COATS. Registered June 27, 1916. HART, SCHAFFNER & MARX, Chicago, Ill., a corporation of New York. Renewed June 27, 1936.

111,094. COATS, VESTS, TROUSERS, OVERCOATS, AND RAIN-COATS. Registered June 27, 1916. HART, SCHAFFNER & MARX, Chicago, Ill., a corporation of New York. Renewed June 27, 1936.

LABELS

REGISTERED FEBRUARY 18, 1936

47,033.—*Title:* RED CROSS TOILET TISSUE. For Toilet Tissue. A. P. W. PAPER COMPANY, INC., Albany, N. Y. Published December 10, 1935.

47,034.—*Title:* MONTEREY PALM SPRINGS. For Furniture. BARKER BROS., INCORPORATED, doing business as Barker Bros., Los Angeles, Calif. Published October 21, 1935.

47,035.—*Title:* VANITY FAIR. For Furniture. BARKER BROS., INCORPORATED, doing business as Barker Bros., Los Angeles, Calif. Published October 1, 1935.

47,036.—*Title:* BAY POINT BRAND. For Oysters. BAY CANNING CO., Bay St. Louis, Miss. Published September 25, 1935.

47,037.—*Title:* GLAS GLOS. For a Preparation for Cleaning and Polishing Windows, Mirrors, Windshields, Etc. FANNIE BEEDLE, doing business as El-Deeb, Medina, Ohio. Published October 15, 1935.

47,038.—*Title:* BUTTER CARTON DESIGN NO. 821. For Butter. BLOOMER BROS. COMPANY, Newark, N. Y. Published December 31, 1934.

47,039.—*Title:* BUTTER CARTON DESIGN NO. 820. For Butter. BLOOMER BROS. COMPANY, Newark, N. Y. Published December 31, 1934.

47,040.—*Title:* BUTTER CARTON DESIGN NO. 833. For Butter. BLOOMER BROS. COMPANY, Newark, N. Y. Published December 31, 1934.

47,041.—*Title:* BUTTER CARTON DESIGN NO. 834. For Butter. BLOOMER BROS. COMPANY, Newark, N. Y. Published December 31, 1934.

47,042.—*Title:* NO. 2 PINT LINERLESS DESIGN NO. 537. For Ice Cream. BLOOMER BROS. COMPANY, Newark, N. Y. Published December 31, 1934.

47,043.—*Title:* BUTTER CARTON DESIGN NO. 837. For Butter. BLOOMER BROS. COMPANY, Newark, N. Y. Published September 15, 1935.

47,044.—*Title:* BUTTER CARTON DESIGN NO. 832. For Butter. BLOOMER BROS. COMPANY, Newark, N. Y. Published September 15, 1935.

47,045.—*Title:* BUTTER CARTON DESIGN NO. 836. For Butter. BLOOMER BROS. COMPANY, Newark, N. Y. Published September 15, 1935.

47,046.—*Title:* BUTTER CARTON DESIGN NO. 819. For Butter. BLOOMER BROS. COMPANY, Newark, N. Y. Published December 31, 1934.

47,047.—*Title:* AVALON. For Cigarettes. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Published December 23, 1935.

47,048.—*Title:* TERRITORIAL DESIGN NO. 229. For Butter. THE BUTLER PAPER PRODUCTS COMPANY, Toledo, Ohio. Published December 30, 1931.

47,049.—*Title:* CRYSTAL SOLITAIRE #37. For a Game. STRUBE A. DERWIK, Yonkers and New York, N. Y. Published August 8, 1935.

47,050.—*Title:* CRYSTAL SOLITAIRE, MIDGET. For A Game. STRUBE A. DERWIK, Yonkers and New York, N. Y. Published November 24, 1935.

47,051.—*Title:* CRYSTAL SOLITAIRE #37. For a Game. STRUBE A. DERWIK, Yonkers and New York, N. Y. Published August 8, 1935.

47,052.—*Title:* KINGKOOL. For Motor Oil. FIDELITY OIL COMPANY, INC., Spartanburg, S. C. Published December 26, 1935.

47,053.—*Title:* WALDORF ALE. For Ale. FOREST CITY BREWERY INC., Cleveland, Ohio. Published December 21, 1935.

47,054.—*Title:* FRITATOS. For Potato Chips. THE FRITO CO., Dallas, Tex. Published April 10, 1935.

47,055.—*Title:* FOR YOUR HEALTH'S SAKE—HEALTH WHEAT. For Breakfast Food. HEALTH WHEAT, INC., Cleveland, Ohio. Published November 4, 1935.

47,056.—*Title:* HI-HAT TIES. For Ties. KIENLY NECKWEAR COMPANY, Chicago, Ill. Published December 23, 1935.

47,057.—*Title:* COCO-WHEATS. For Cocoa Coated Cereal. LITTLE CROW MILLING COMPANY, INC., Warsaw, Ind. Published December 16, 1935.

47,058.—*Title:* LADY LUCK HAIR TONIC. For Hair Tonic. MASTER CHEMICAL COMPANY, Milwaukee, Wis. Published December 24, 1935.

47,059.—*Title:* GREEN BAND GENUINE KOPPERS SEABOARD COKE. For Coke. NEW YORK CHARCOAL CO., INC., Brooklyn, N. Y. Published December 26, 1935.

47,060.—*Title:* BLACK BAND CHARCOAL. For Charcoal. NEW YORK CHARCOAL CO., INC., Brooklyn, N. Y. Published December 26, 1935.

47,061.—*Title:* RED BAND KINDLING WOOD. For Kindling Wood. NEW YORK CHARCOAL CO., INC., Brooklyn, N. Y. Published December 26, 1935.

47,062.—*Title:* ORANGE BAND CHESTNUT COAL. For Chestnut Coal. NEW YORK CHARCOAL CO., INC., Brooklyn, N. Y. Published December 26, 1935.

47,063.—*Title:* PISTON RING SET. For Piston Ring Sets. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind. Published December 9, 1935.

47,064.—*Title:* COMPRESSION RINGS. For Compression Rings for Pistons. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind. Published December 9, 1935.

47,065.—*Title:* OIL RINGS. For Oil Rings for Pistons. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind. Published December 9, 1935.

47,066.—*Title:* MYTEX WHITE SHOE POLISH. For White Shoe Polish. PRUDEN CHEMICAL COMPANY, Orlando, Fla. Published December 18, 1935.

47,067.—*Title:* DIXI-COLA. For a Beverage. JOE L. TRAVIS, doing business as Dixi Cola Company, Birmingham, Ala. Published November 19, 1935.

47,068.—*Title:* TRIPLE DRY LITHIATED. For a Beverage. JOE L. TRAVIS, doing business as Dixi Cola Company, Birmingham, Ala. Published November 19, 1935.

PRINTS

REGISTERED FEBRUARY 18, 1936

15,573.—*Title:* DR. EAST'S OINTMENT. For an Ointment. E. H. EAST, M. D., Portland, Oreg. Published November 26, 1935.

15,574.—*Title:* IT'S UNIQUE—BECAUSE IT'S DIFFERENT. For a Scalp Tonic. THE FERTILE COMPANY, Washington, Pa. Published October 24, 1935.

15,575.—*Title:* HERE'S HOW BREAD ENTERS THE SPIRIT OF MERRY-MAKING! For Bread. GENERAL MILLS, INC., Minneapolis, Minn. Published July 16, 1935.

15,576.—*Title:* TO A THOUGHTFUL WOMAN WHO WANTS A SLENDER SILHOUETTE. For Bread. GENERAL MILLS, INC., Minneapolis, Minn. Published July 12, 1935.

15,577.—*Title:* MADAM: COMPLETE SETS OF THIS EXQUISITE SILVERWARE—NOW GIVEN FREE. For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published November 22, 1935.

15,578.—*Title:* MISSING MOMENTS (FEATURING MISSING COOK). For Coffee. HILLS BROS., San Francisco, Calif. Published December 20, 1935.

15,579.—*Title:* MISSING MOMENTS (FEATURING MISSING MAGICIAN'S "PROPS"). For Coffee. HILLS BROS., San Francisco, Calif. Published November 14, 1935.

15,580.—*Title:* MISSING MOMENTS (FEATURING MISSING TRUMPS). For Coffee. HILLS BROS., San Francisco, Calif. Published October 10, 1935.

15,581.—*Title:* MISSING MOMENTS (FEATURING MISSING GASOLINE). For Coffee. HILLS BROS., San Francisco, Calif. Published November 17, 1935.

15,582.—*Title:* MISSING MOMENTS (FEATURING MISSING KEY). For Coffee. HILLS BROS., San Francisco, Calif. Published October 17, 1935.

15,583.—*Title:* MISSING MOMENTS (FEATURING MISSING BAKING POWDER). For Coffee. HILLS BROS., San Francisco, Calif. Published October 24, 1935.

15,584.—*Title:* MISSING MOMENTS (FEATURING MISSING THEATER TICKETS). For Coffee. HILLS BROS., San Francisco, Calif. Published November 21, 1935.

15,585.—*Title:* MISSING MOMENTS (FEATURING MISSING WALLET). For Coffee. HILLS BROS., San Francisco, Calif. Published December 6, 1935.

15,586.—*Title:* MISSING MOMENTS (FEATURING MISSING CARTRIDGES). For Coffee. HILLS BROS., San Francisco, Calif. Published October 31, 1935.

15,587.—*Title:* MISSING MOMENTS (FEATURING MISSING LIPSTICK). For Coffee. HILLS BROS., San Francisco, Calif. Published September 26, 1935.

15,588.—*Title:* MISSING MOMENTS (FEATURING MISSING SHIRT STUDS). For Coffee. HILLS BROS., San Francisco, Calif. Published October 3, 1935.

15,589.—*Title:* MISSING MOMENTS (FEATURING MISSING DRIVER'S LICENSE). For Coffee. HILLS BROS., San Francisco, Calif. Published December 13, 1935.

15,590.—*Title:* AT FIRST SNEEZE TAKE LANE'S COLD TABLETS. For Cold Tablets. KEMP AND LANE, INC., Le Roy, N. Y. Published October 16, 1935.

15,591.—*Title:* STOP THAT COUGH WITH KEMP'S BALSAM. For a Cough Balsam. KEMP AND LANE, INC., Le Roy, N. Y. Published October 16, 1935.

15,592.—*Title:* IT'S BREAD AT ITS BEST BECAUSE IT'S TESTED. For Bread. QUALITY BAKERS OF AMERICA, INC., New York, N. Y. Published June 18, 1935.

REISSUES

FEBRUARY 18, 1936

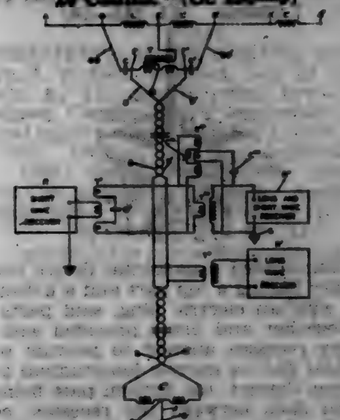
19,854

DUPLEX RADIO AERIAL SYSTEM

Ernest V. Amy and Julius G. Aceves, New York, N. Y., assignors to Amy, Aceves & King, Inc., New York, N. Y., a corporation of New York

Original No. 1,965,529, dated July 3, 1934, Serial No. 703,822, December 22, 1933. Application for reissue October 29, 1935, Serial No. 47,332

20 Claims. (Cl. 250—8)



12. A radio receiving system for short wave and long wave signals, comprising: an antenna, a pair of downlead conductors, means for causing a rise or fall in potential of said antenna with respect to ground due to long wave signals to impress a signaling voltage between said downlead conductors, and means for transferring to said downleads potential differences between electrically spaced points in said antenna due to short wave signals, whereby circulating long wave currents and circulating short wave currents are produced in said downleads.

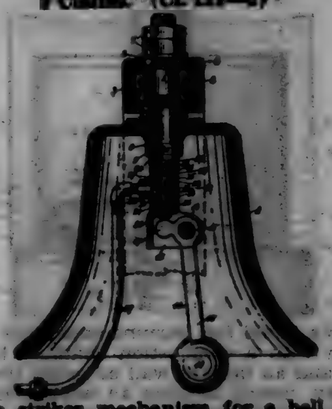
19,855

BELL RINGER

Arthur L. Bridgman, Boston, Mass.

Original No. 1,929,197, dated October 3, 1933, Serial No. 672,911, October 30, 1931. Application for reissue September 26, 1935, Serial No. 42,311

9 Claims. (Cl. 121—3)



1. In a striker mechanism for a bell having a striker movable into and out of engagement with the bell, the combination therewith of mechanism for moving the striker including a body providing a cylinder having an enlarged portion, said body having an inlet passage communicating with the cylinder for supplying fluid under pressure, a plunger having a body portion movable in said cylinder and an enlarged head movable in the enlarged portion of the cylinder, said plunger and cylinder having cooperating surfaces adapted to permit an increased inflow of fluid under pressure as said plunger rises above a predetermined position, said plunger and body having means adapted to cooperate when said plunger has moved to a predetermined position to exhaust fluid under pressure from said enlarged portion of the cylinder.

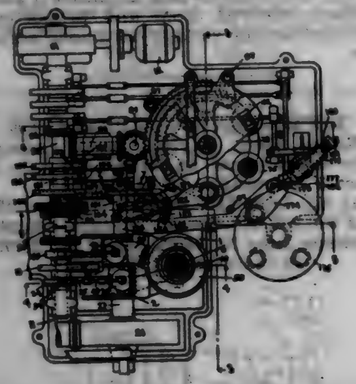
19,856

METHOD OF AND MACHINE FOR MAKING PULP ARTICLES

Ralph W. Chapman, Old Town, Maine, assignor, by mesne assignments, to The Old Town Company, a corporation of Maine

Original No. 1,778,994, dated October 21, 1930, Serial No. 149,627, November 26, 1926. Application for reissue October 15, 1932, Serial No. 637,995

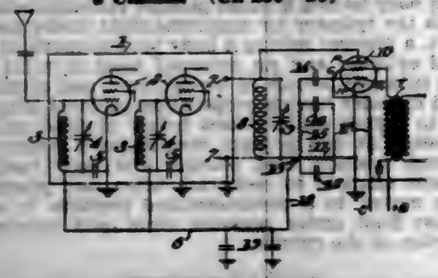
31 Claims. (Cl. 92—59)



1. That improvement in the method of making articles from pulp, which consists in pressing a charge of pulp to mold the same to approximately its final form, and express water from its opposite sides and passing two induced currents of free air, one over all portions of one side of the charge and the other over all portions of the opposite side while the charge is under pressure, to evaporate and remove the expressed water from both sides of the charge.

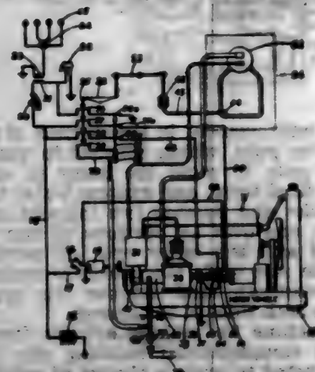
31. A machine for making articles from pulp comprising complemental molding dies formed and constructed to press a charge of pulp to approximately its final form and expel water therefrom, complemental forming dies, one of which is imperforate and the other is provided with outlet means for escape of liquid and vapor, formed to press the molded charge to its final form, means for causing the coaction of said dies, means for heating the imperforate forming die, and means for transferring the molded charge from the molding dies to the forming dies.

19,257
CARRIER WAVE RECEIVER
Paul O. Farnham, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Original No. 1,910,899, dated May 23, 1933, Serial No. 582,497, December 21, 1931. Application for reissue July 17, 1934, Serial No. 735,715
6 Claims. (Cl. 250—20)



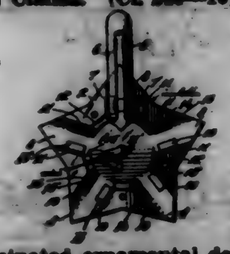
1. The combination with a carrier wave amplifier and a tube having cathode, control grid, screen grid and plate elements, of circuit connections for impressing between the cathode and plate elements the amplified carrier wave voltage developed by said amplifier, said circuit connections including a resistor across which rectified direct current and alternating current voltages are developed by the diode rectifier action of said cathode and plate elements, means for impressing the said alternating current voltage between the control grid and cathode elements, and means for returning to said amplifier a gain control voltage derived from and proportional to the rectified carrier voltage developed across said resistor.

19,258
REFRIGERATING APPARATUS
John Ralph Fehr, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Original No. 1,735,350, dated December 22, 1930, Serial No. 206,263, March 21, 1928. Application for reissue June 28, 1935, Serial No. 28,982
16 Claims. (Cl. 62—117)



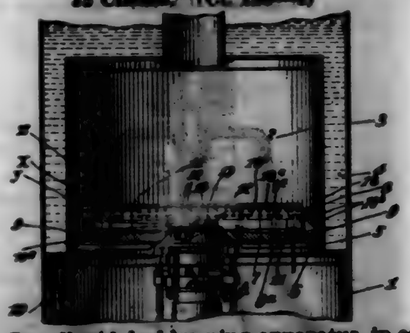
9. Refrigerating apparatus comprising in combination, a motor vehicle, a refrigerating system including a compressor adapted to be driven by the vehicle motor, a battery, an electrical connection between said battery and motor, means operated automatically in response to refrigerating demand for starting the vehicle motor by controlling said electrical connection, means for actuating the compressor from an independent source of energy, and means responsive to the supply of energy from an independent source for preventing operation of the starting means by modifying said electrical connection.

19,259
ILLUMINATED ORNAMENTAL DEVICE
Elmer J. Graf, Roselle Park, N. J., assignor to G. R. G. Corporation, Newark, N. J., a corporation of New Jersey
Original No. 1,977,134, dated October 16, 1934, Serial No. 613,697, June 2, 1932. Application for reissue March 16, 1935, Serial No. 11,507
7 Claims. (Cl. 240—10)



1. An illuminated ornamental device comprising a holder having a top part and a bottom part provided with an electric plug, said parts being secured together and being provided with complementary recesses aligned to provide sockets, said recesses having narrow longitudinal grooves at the edges thereof, the bottom part being provided with slots between the recesses, contact members fixed in said slots, the ends of the contact members being curved and positioned in the recesses of the bottom part and extending upward into the aligned recesses of the top part, said ends of the contact members having depressed portions resting in the grooves in the recesses, and exhausted envelopes removably held between the contact member ends, the envelopes being provided with lead-in wires received by and making electrical contact with the depressed portions of the contact member ends, and means to electrically connect the contact members with the plug.

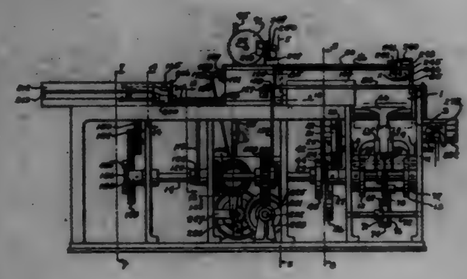
19,260
OIL BURNING FURNACE
Forrest A. Heath, Upper Montclair, N. J.
Original No. 1,888,875, dated November 8, 1932, Serial No. 253,371, February 10, 1928. Renewed March 12, 1930. Application for reissue October 25, 1934, Serial No. 750,024
35 Claims. (Cl. 158—4)



35. In a liquid fuel burning apparatus, in combination with a combustion chamber having a hearth and an upright wall adjacent the hearth periphery, means forming an impingement surface designed to reach high temperature in operation, said means being spaced horizontally from said upright wall to form therewith a chamber, means for discharging liquid fuel substantially horizontally toward said impingement surface to homogenize and gasify the fuel, means for sweeping air for combustion toward said surface at high velocity to thoroughly carburet the homogenized fuel, means for igniting the combined fuel and air, and baffling means disposed above said impingement surface and projecting into the upper part of the last-mentioned chamber, said baffling means constructed to direct part of the ignited mixture downwardly into said last-mentioned chamber.

19,261
STEREOTYPE PLATEMAKING MACHINE
Joseph J. Walser, deceased, late of Ann Arbor, Mich., by The Goss Printing Press Company, assignee, Chicago, Ill., a corporation of Illinois
Original application September 2, 1920, Serial No. 407,984. Divided and this application March 15, 1922, Serial No. 543,959. Original No. 1,592,110, dated July 20, 1926. Application for reissue July 6, 1935, Serial No. 30,140
28 Claims. (Cl. 29—21)

1. A machine for operating on stereotype printing plates including in combination means for holding a curved stereotype plate stationary and



means traveling within the concave part of the plate to trim a straight edge thereof.

PLANT PATENTS

GRANTED FEBRUARY 18, 1936

185
REGAL LILY
Chester N. Moore, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 16, 1934, Serial No. 748,534
1 Claim. (Cl. 47—60)

The variety of regal lily herein shown and described characterized by the fact that its anthers are non-dehiscent, turning from an original orange tint to a reddish-brown color and shrinking in size throughout the blooming period of the flower, and by the fact that the throat of the flower is very lightly tinted with yellow the petals otherwise being substantially white.

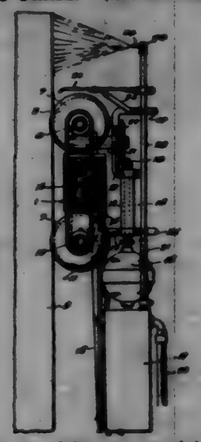
186
PEACH
William C. Elliott, Modesto, Calif.
No Drawing. Application September 22, 1934, Serial No. 745,176
1 Claim. (Cl. 47—62)

The peach tree variety herein described, characterized by freestone fruit having texture similar to clingstone Paloro and the quality of keeping approximately fifteen days without refrigeration after being picked ripe.

PATENTS

GRANTED FEBRUARY 18, 1936

2,030,840
SMOKESTACK PAINTER
John Walter Allen, Greenwood, Miss., assignor of forty-nine per cent to W. M. Blain, Greenwood, Miss.
Application August 1, 1934, Serial No. 737,994
1 Claim. (Cl. 91—18)



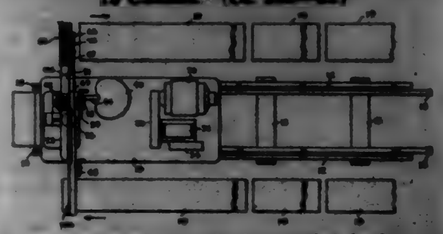
A climbing machine comprising an electro-magnet including a core, yokes on the ends of said core, tubular spindles projecting laterally from the yokes, magnetic wheels journaled on said tubular spindles and magnetically connected with the magnet, shafts journaled in the tubular spindles, traction wheels fixed on the shafts, an electric motor supported on the electro-magnet, and means operatively connecting the traction wheels to said electric motor, said means including a bracket mounted on the electro-magnet, a bearing mounted in said bracket, a shaft journaled in said bearing and operatively connected to the electric motor for actuation thereby, an angular bracket mounted on said bearing, a bearing mounted on the second-named bracket at right angles to the first-named bearing, a shaft journaled in the second-named bearing, gears operatively connecting the second and third-named shafts, a gear fixed on one of the first-named shafts in one of said yokes, and a gear fixed on the third-named shaft and operatively engaged with the third-named gear.

2,030,841
BOTTLE CLOSURE
Cliserio Anaya, Mexico, D. F., Mexico
Application October 2, 1933, Serial No. 691,875
In Mexico October 3, 1932
1 Claim. (Cl. 215—51)



A neck for a container comprising a tubular portion, a seat formed in said portion and having arcuately curved walls merging into each other to form an annular groove, a closure to engage the seat and including a hollow dome-shaped portion and an upwardly and outwardly extending annular flange, said dome portion adapted to flex under pressure and bear against one of said walls with the flange bearing against the other wall and extending into the groove, and a gasket secured to the inner face of the closure and adapted to conform to the contour thereof and to engage one of the curved walls and extend into the groove by the influence of said closure being applied to the seat, said flange having relatively spaced slots to provide partially disconnected portions to the flange.

2,030,842
APPARATUS FOR REMOVING METAL
James L. Anderson, Chester, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 13, 1933, Serial No. 17,079
15 Claims. (Cl. 90—22)



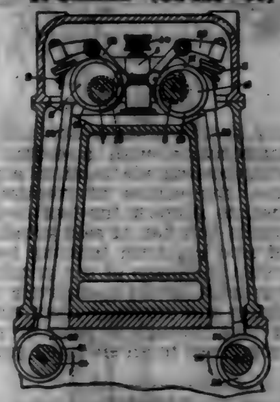
1. Apparatus for surfacing metal bodies comprising a base, means for supporting a row of bodies to be surfaced, means for causing relative movement of the base and said bodies in the direction that the row of bodies extends, an arm carried by the base, and means on the arm for supporting a plurality of torches in position to surface the bodies successively during said relative movement.

2,030,843
PROCESS AND APPARATUS FOR TREATING SAUSAGE CASINGS
Ralph L. Atkinson, Dorchester, Mass., assignor to Arthur D. Little, Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application June 14, 1932, Serial No. 616,744
7 Claims. (Cl. 24—84)



1. The process of drying moist tubular casings made of regenerated cellulose hydrate upon an expansible mandrel, said casings being in the form of collapsed tubing, predeterminate in length, comprising the steps of opening one end of the casing, slipping said opened end over one end of the mandrel in the contracted condition, drawing the casing smoothly over the mandrel to the other end thereof, expanding said mandrel to a definite extent, permitting the portion of the casing surrounding the mandrel to dry thereon in close contact therewith, contracting the mandrel, and drawing the dried portion of the casing off the mandrel.

2,030,844
VALVE OPERATING MECHANISM FOR INTERNAL COMBUSTION ENGINES
Stanley Herbert Attwood, Walsenhampton, England, assignor to Stuart Motor Units Limited, London, England
Application January 13, 1933, Serial No. 651,612
In Great Britain January 18, 1932
17 Claims. (Cl. 123—90)



1. In a valve actuating mechanism, a pair of oscillatory cams, a follower for each of said cams, a valve actuating member operable to be effectively actuated by said cams and followers only when both said followers are actuated together by said cams, a driving element adapted to be continuously rotated, and a pair of mechanisms each adapted to convert rotary motion into reciprocatory motion and connected on the one hand in driven relationship to said driving element with a phase displacement with respect to one another and on the other hand to one of said cams to oscillate the same through predetermined phase displaced angles determined by the phase displacement of said mechanisms, said followers being so positioned in the paths of oscillatory movement of the respective cams that the periods of actuation of the followers by the cams overlap during movement of the cams in one direction of their respective oscillations and follow in succession without overlap during movement of the cams in the other respective directions due to the phase displacement between the cams.

2,030,845
INDICATOR FOR GAME APPARATUS
George D. Barck, Columbus, Ohio
Application March 8, 1935, Serial No. 9,615
5 Claims. (Cl. 116—134)



1. In game apparatus, a frame, a spring-pressed plunger carried by said frame, a rotatable indicator carried by said frame, and motion transmitting means between said plunger and indicator for causing the latter to rotate in unison with the sliding movement of said plunger.

2,030,846
ADJUSTABLE BURNISHING REAMER
Robert R. Blakton, Herkimer, N. Y.
Application April 30, 1934, Serial No. 723,269
1 Claim. (Cl. 77—76)



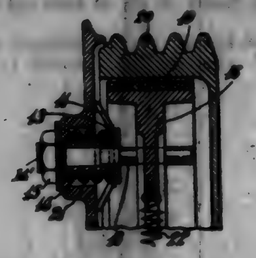
In a tool of the character described a longitudinal slotted reamer body and a cutting blade adjustably fitting the slot in said body and provided with spaced longitudinal sides and an outer face curved upon a radius slightly smaller than that of an opening to be reamed, a portion of the blade at its front end and leading side being removed to present a longitudinal edge midway between the sides of the blade and a transverse notch cut through the outer face of said portion providing a cutting edge and clearance therefor, the rear end portion of the blade constituting a burnishing surface for the reamed bore.

2,030,847
MIXING MACHINE
William C. Blackmond, Ranger, Tex., assignor of one-half to Joseph H. Reynolds, Cisco, Tex.
Application January 14, 1935, Serial No. 1,456
6 Claims. (Cl. 259—33)



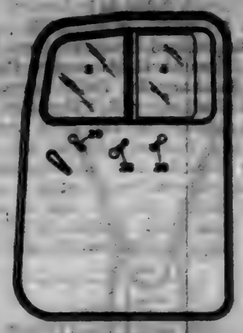
1. A mixer comprising, a hopper, a screw conveyor at the bottom of the hopper, false sides in the hopper extending along each side of said conveyor, a longitudinal shaft mounted behind each swinging side, cams secured on each shaft and arranged to engage the rear sides of the false sides to swing the same over said conveyor, and means for revolving said shafts.

1,930,248
BRAKE
Edward Bishop Boughton, London, and Geoffrey Van Vestrant, Leamington Spa, England, assignors to Automotive Products Company Limited, London, England
Application April 5, 1933, Serial No. 664,828
In Great Britain April 25, 1932
8 Claims. (Cl. 188—78.5)



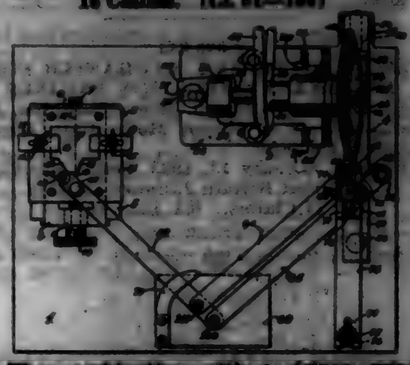
1. A brake of the internal expanding type, wherein the brake shoe is automatically operable to a position of non-braking cooperation with the drum, including a locating member formed with a slot, a pin having a diameter less than the width of the slot carried by the brake shoe and extending into said slot, said locating member being in the form of a disk frictionally held against external manual adjustment in one direction, with such frictional holding of the disk yielding to external manual adjustment in the opposite direction, and means for manually adjusting the locating member in the permissible direction.

1,930,249
WINDOW CONTROL DEVICE FOR AUTOMOBILES AND OTHER TRAVELING VEHICLES
Leonard D. Boyer, Maplewood, Mo.
Application February 5, 1934, Serial No. 709,179
1 Claim. (Cl. 296—44)



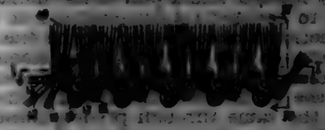
In a device of the class described, a pair of separated panels forming a door panel and a window frame therein, a pane of glass slidable between said panels and in said window frames, a supporting frame for the lower side of said pane of glass, said supporting frame having a pivot mounting therein upon which said pane of glass may be pivoted, another pivot mounted at the upper edge of said window frame and in axial alignment with said first named pivot, means carried by said upper pivot for engaging and supporting the upper edge of said pane of glass, said means comprising an inverted channel of sufficient width to freely receive the upper edge of the glass.

1,930,250
GRINDING MACHINE
Raphael Attl, Union City, N. J.
Application July 1, 1931, Serial No. 548,896
Renewed June 30, 1933
16 Claims. (Cl. 51—104)



1. The combination with a driven grinding wheel, of a supporting platform in a plane extending below the center of rotation of said grinding wheel to support the tool in a line below the center of rotation of said grinding wheel, the plane of said platform forming less than a right angle with the plane of the grinding wheel, and a pantographic device operatively connected to said platform and pivotally mounted to guide said cutting tool through a path of movement reduced as compared to an enlarged guiding pattern.

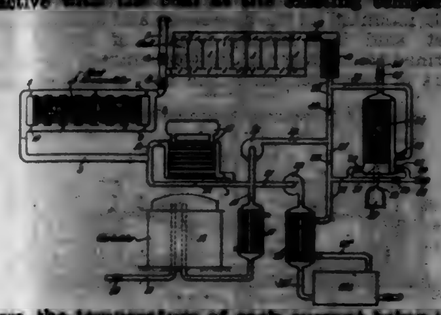
1,930,251
PILE FABRIC
Charles Edward Barrett, Yonkers, N. Y., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y., a corporation of New York
Application February 14, 1931, Serial No. 515,448
3 Claims. (Cl. 139—402)



1. A pile fabric comprising rows of looped tuft yarns, and a backing with a warp of stuffer threads between the rows of tuft yarns, a first shot of weft threads above the stuffer threads about which tufts are looped, a second shot of weft threads below the stuffer threads and under the looped tufts, a third shot of weft threads below the stuffer threads about which tufts are also looped, a fourth shot of weft threads below the stuffer threads and under the looped tufts, a first binder thread between each row of looped tufts which overlies the first shot of weft threads and underlies the third and fourth shots of weft threads, and a second binder thread between the rows of looped tufts which overlies the first shot of weft threads and underlies the second and third shots of weft threads.

1,930,252
PROCESS OF DISTILLING COAL
George A. Berry, Round Brook, and Allen J. Beardsley, Plainfield, N. J., assignors to National Fuels Corporation, New York, N. Y., a corporation of New Jersey
Application November 16, 1926, Serial No. 148,[illegible]
Renewed May 14, 1930
16 Claims. (Cl. 202—16)

1. The process of distilling coal by the successive passage of a plurality of currents of heated gas at different temperatures that is substantially non-reactive with the coal at the existing tempera-



tures, the temperature of each current being independently controlled.

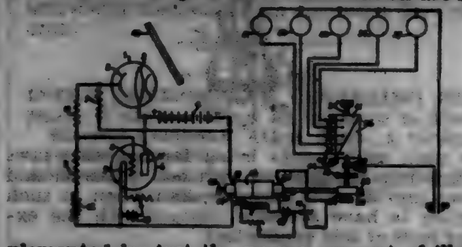
1,930,253
LIQUID SPRAY APPARATUS
Gilbert G. Budwig, Saratoga, Calif., assignor to Insect-O Products Company, Burbank, Calif., a corporation of California
Application January 24, 1931, Serial No. 510,511
9 Claims. (Cl. 299—64)



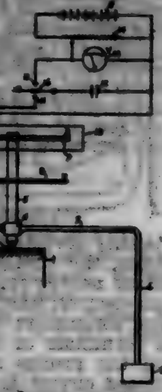
1. In combination, a device for mixing and distributing liquids comprising a mixing head having a distributing surface thereon, said head being provided with a conduit having one end terminating in an aperture in said surface, the other end being adapted to be inserted in a body of liquid, means for angularly directing a stream of liquid at a relatively high velocity onto said distributing surface to cause a flat sheet of said latter liquid to pass over a sufficient portion of said surface and said aperture to seal said aperture from the atmosphere, and means associated with the edges of said aperture to create a reduced pressure in said conduit due to the passage of said latter liquid over said aperture.

1,930,254
CONSTANT INTENSITY ILLUMINATION SYSTEM
George W. Calver, United States Navy
Application March 20, 1933, Serial No. 661,671
3 Claims. (Cl. 240—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A system for maintaining the intensity of illumination substantially constant over a predetermined area notwithstanding wide variations in the uncontrolled components of the illumination, comprising, a plurality of lamps, a source of power for energizing said lamps, a multi-position switch for connecting all or a part of said lamps in circuit with said source of power, means for urging said multi-position switch toward the position in which all of said lamps are connected in circuit with said source of power, a light sensitive device, means controlled by said light sensitive device for urging said multi-position switch toward the position in which none of said lamps are connected in circuit by a force proportional to the illumination on said device, whereby the forces tending to urge said multi-position switch in opposite directions are balanced at the position of the multi-position switch in which the uncontrolled components of illumination are supplemented by just the proper amount of illumination from said lamps to provide a predetermined desired intensity of illumination over said area, and an adjustable light filter over said light sensitive device whereby said system may be adjusted to maintain any predetermined intensity of illumination.



1,930,255
MEANS FOR TESTING MATERIALS
Robert H. Canfield, Washington, D. C.
Application March 8, 1924, Serial No. 714,654
8 Claims. (Cl. 265—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a frame, a stem connected thereto, a plurality of bar magnets carried by said stem to form an astatic system, a point mounted on one end of said stem, said point being in the form of a 3-sided pyramid wherein the apex angle of each face is a right angle, means carried by said frame to act thereon to hold said frame and said stem in stable equilibrium when the assembly consisting of the foregoing elements is supported solely on said point, an electrical circuit having a portion disposed to act on said magnet system to apply a couple to rotate said stem when current flows through said portion, a condenser, means to charge said condenser with a uniform pre-determined charge and means to discharge said condenser through said portion.

1,930,256
PLUG CONNECTER
Henry P. Dilg, Pittsburgh, Pa.
Application March 1, 1932, Serial No. 596,899
3 Claims. (Cl. 173—361)

1. A plug connecter comprising a body of insulating material having a spacer and backing

member on the opposite sides of which are ridges and over which, exposed ends of wires may be placed, and a closure member having connecter prongs embodied therewith so as to form a mov-



able unit, said prongs being formed with jaws having snap engagement with said ridges on said spacer and backing member, and when in such position to have pressure contact with the exposed ends of said conductors.

2,030,857

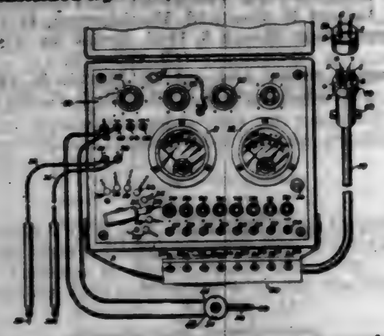
ELECTRICAL CIRCUIT ANALYZER

Edward N. Dingley, Jr., Washington, D. C.

Application March 20, 1934, Serial No. 716,511

4 Claims. (Cl. 250—20)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a testing device for apparatus employing electron tubes, the combination of a test plug having contact prongs corresponding to the terminals of an electron tube, a plurality of electron tube sockets, conductors extending between corresponding terminals of said plurality of tube sockets and the prongs of said test plug, and normally closed circuit jacks included in circuit between said contact prongs and said corresponding socket terminals whereby a current indicating instrument may be connected in circuit between any one of said prongs and the corresponding socket terminal by inserting a double contact plug connected to said current indicating instrument into an appropriate one of said jacks or a voltage indicating instrument may be connected between any two of said jacks by a pair of single contact plugs connected to said instrument.

2,030,858

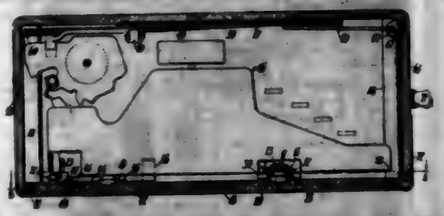
TYPEWRITING MACHINE

William A. Dobson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application May 27, 1933, Serial No. 673,968

11 Claims. (Cl. 45—68.2)

1. The combination of clamping means for securing a typewriter to a baseboard, said typewriter having a rear device detachably interlocking with a co-operating device on said baseboard, and also having a pair of shouldered front feet resting on said baseboard, said clamping means including an elongate clamping bolt slidably mounted on the baseboard and spanning said feet, said bolt having a pair of spaced jaws formed to overtop and half encompass the shoulders of said feet when the bolt is shifted home



in a longitudinal direction and to be free of said feet when the bolt is shifted in the opposite direction, said baseboard having means for locating said feet thereon preparatory to shifting the clamping bolt home, and a cover securable upon said baseboard, said bolt being locked in home position by said cover.

2,030,859

TEXTILE ASSISTANTS

Othmar Drapal, Cologne-Mulheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application August 31, 1934, Serial No. 742,349. In Germany September 12, 1933

6 Claims. (Cl. 252—1)

1. The composition of matter comprising Turkey red oil, spent sulphite liquor, an alkali metal phosphate, an alkali metal salt of an alkylated naphthalene sulphonic acid, and a dissolving medium.

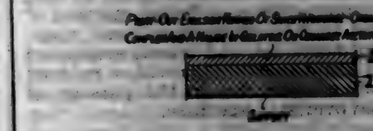
2,030,860

PRINT-OUT EMULSION

George Earle Fallesen and Cyril J. Staud, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application March 2, 1935, Serial No. 9,613

15 Claims. (Cl. 95—7)



1. A process of producing a light-sensitive emulsion which comprises precipitating silver hydroxide in an aqueous solution, dissolving the precipitate in an organic alkali, mixing the solution with an inert carrier therefor, and adding an alkali metal halide to the mixture.

2,030,861

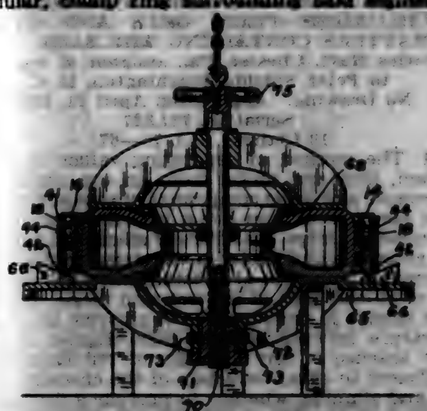
TIRE RETREADING MOLD

Martin M. Fisher, Seattle, Wash.

Application June 16, 1934, Serial No. 730,543

5 Claims. (Cl. 18—18)

1. In a tire retreader the combination with a tire support and an annular clamp ring adapted to engage the upper wall of said tire, and means for compressing said ring, of a plurality of arcuate segments having steam heating passageways therethrough, horizontal tubes through said segments, and a series of spaced, exterior rings thereon, co-acting means on adjoining ends of said segments making air tight connections between said steam passageways, and an exterior, annular, clamp ring surrounding said segments



and co-acting with said spaced rings for outlet of excess air, and clamping means therefor.

2,030,862

MEANS FOR POSITIONING FREIGHT ON VEHICLES

Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware

Application January 28, 1932, Serial No. 589,392

19 Claims. (Cl. 105—396)



1. The combination of a vehicle, a container, and a set of removable brackets, the brackets and vehicle being formed with interlocking projections and recesses whereby the bracket may be held in various positions, the bracket having a surface on which the container may stand and having means preventing the shifting of the container with reference to the bracket.

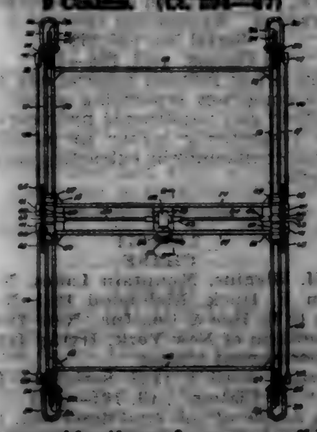
2,030,863

LOAD LIFTING CRADLE

Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware

Application September 23, 1934, Serial No. 745,027

9 Claims. (Cl. 294—67)



1. The combination of a suspendible frame, four shackles pivotally carried thereby in positions corresponding to the four corners of a quadrilateral, four cranks carried by the frame, two on each side, four links connecting the respective cranks with the corresponding shackles, a gear associated with each crank, a pair of driving pinions each standing between and meshing with the two gears on that side of the frame, and motor mechanism for operating the two pinions.

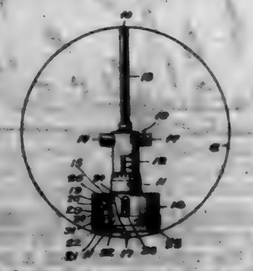
2,030,864

INSIDE MICROMETER CENTERING DEVICE

Harry C. Gielow, Elgin, Ill., assignor to The L. S. Starrett Company, Athol, Mass., a corporation of Massachusetts

Application October 26, 1934, Serial No. 750,126

7 Claims. (Cl. 33—178)



1. The combination with an inside micrometer, of a sleeve disposed in co-axial alignment with and clamped upon the barrel of the micrometer, and a collar disposed in co-axial alignment with the micrometer and sleeve and mounted thereon for movement in an axial direction, said collar having a circular end face disposed at right angles to the axis of the micrometer for the purpose set forth.

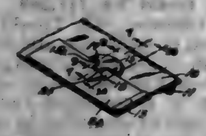
2,030,865

ADDRESS PLATE

Walter T. Gellwitzer, Cleveland, Ohio, assignor to Addressograph Company, Wilmington, Del., a corporation of Delaware

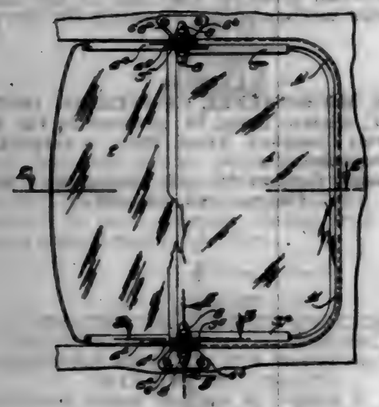
Application May 23, 1932, Serial No. 612,955

14 Claims. (Cl. 101—369)



10. A frame having a longitudinal guideway defined by upwardly projecting portions of the frame which have their edges projecting toward each other to provide a shallow channel into which a printing plate may be slid, spring abutments carried by the frame and positioned to engage the opposite ends of such printing plate, each abutment being formed on the end of a tongue cut out of the frame and having its body normally lying in the plane of the frame and adapted to be beneath the printing plate, the abutment being pressed up from the plane of the tongue and having an abrupt shoulder adapted to engage the end of the printing plate, there being also a portion gradually connecting the abutment with the tongue and adapted to occupy a notch in the plate.

2,030,866
CLOSED CAR WIND DEFLECTOR
Elmer M. Harris, San Diego, Calif.
Application March 6, 1933, Serial No. 659,653
8 Claims. (Cl. 296—84)



1. The combination with a vehicle window wherein the window glass is set inwardly from the side of the vehicle body, of a pair of transparent deflector members adapted to fit within said window between the plane of the vehicle body and the window glass, said deflectors disposed one forwardly and outwardly of the other, hinge means for pivotally supporting said deflectors at their adjacent margins, whereby said deflector members may be shifted outwardly beyond the plane of said vehicle body said deflectors being entirely exposed at their overlapping portions to provide uninterrupted vision from one remote margin to the other.

2,030,867
ART OF REMOVING METALS AS VOLATILE CHLORIDES FROM ORES AND OTHER MATTERS CONTAINING THE SAME
Charles Hart, Chester, Pa., assignor of one-half to Peter Shields, Washington, D. C.
No Drawing. Application February 14, 1934, Serial No. 711,240
7 Claims. (Cl. 75—17)

1. The method of removing and separating iron and nickel from oxide ores containing the same in the presence of gangue, which comprises subjecting the ore to a sponging reduction in the presence of a limited quantity of carbon and at a temperature not substantially exceeding 1000 degrees C., treating the sponged ore with chlorine at a temperature between 200 and 500 degrees C. for effecting a chlorination of elemental iron and nickel and for a time sufficient for the selective elimination of elemental iron as ferric chloride, thereafter heating the sponged ore in the presence of chlorine to a temperature between 700 and 900 degrees C. for completing the chlorination of elemental iron and nickel and for a time sufficient to eliminate the same as mixed ferric and nickel chloride vapors, the quantity of carbon during sponging being so restricted that no substantial amount of carbon is present during the chlorination of the sponged ore removing the mixed chloride vapors and cooling the same to a temperature between 420 and 780 degrees C. for effecting the deposition of nickel chloride therefrom.

2,030,868
ART OF REMOVING METALS AS VOLATILE CHLORIDES FROM ORES AND OTHER MATTERS CONTAINING THE SAME
Charles Hart, Chester, Pa., assignor of one-half to Peter Shields, Washington, D. C.
No Drawing. Application April 11, 1934, Serial No. 721,227
19 Claims. (Cl. 75—67)

1. The method of separating values of chromium, iron and nickel from an ore containing chromite and oxide compounds of iron and nickel, the quantity of iron being predominant, in the presence of large quantities of silica and alumina as gangue, which includes the steps of effecting a sponging reduction at substantially 1000 degrees C. of at least part of the iron and nickel, heating the sponge in the presence of chlorine at a temperature between 500 and 1000 degrees and in the absence of any quantity of reducing agent sufficient to effect reduction of the chromite, silica and alumina, whereby to provoke a driving off of iron and nickel as chlorides, fractionally condensing the vapors to separate the iron and nickel as chlorides, and again heating the residue in the presence of chlorine and a reducing agent to drive off the chromium as chromium chloride.

2,030,869
MULTI-PLY GLASS SHEET GLAZING UNIT
Charles D. Haven, Milwaukee, Wis., assignor to The Thermopane Company, Toledo, Ohio, a corporation of Ohio
Application October 13, 1934, Serial No. 748,189
10 Claims. (Cl. 20—56.5)



1. A multi-ply glass sheet glazing unit of the character described comprising a plurality of glass sheets, yieldable separator strips bonded between the glass sheets at spaced points entirely around their perimeters forming a hermetically sealed space therebetween, and a weatherproof protective seal arranged exteriorly of the separator strips.

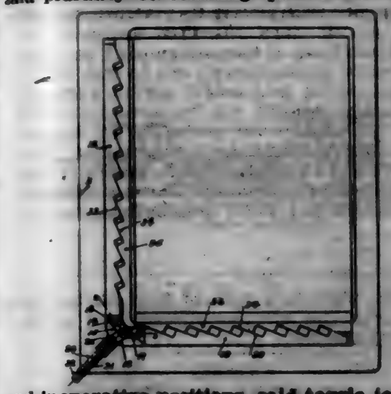
2,030,870
HYDROCARBON OIL TREATMENT
Lawrence M. Henderson, Narberth, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application October 5, 1932, Serial No. 636,582
18 Claims. (Cl. 196—13)

1. In the art of refining mineral oils, the process which comprises separating an oil containing paraffinic and naphthenic hydrocarbons into fractions respectively richer in paraffinic and naphthenic compounds by extracting said oil with a furoic ester.

2,030,871
CHAIR
Gilbert H. Higgins, Mountain Lakes, N. J., and William F. Huck, Richmond Hill, N. Y., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York; Irving Trust Company, permanent trustee
Application April 1, 1932, Serial No. 602,632
22 Claims. (Cl. 141—296)

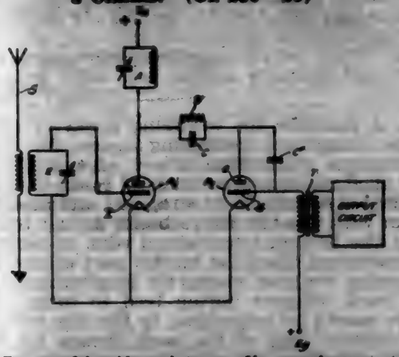
1. In a device of the kind described, the combination of a frame, a plurality of coacting quoins arranged on adjacent sides of said frame and a

single manually operable toggle joint for moving said plurality of coacting quoins into operative



and inoperative positions, said toggle joint being resiliently biased.

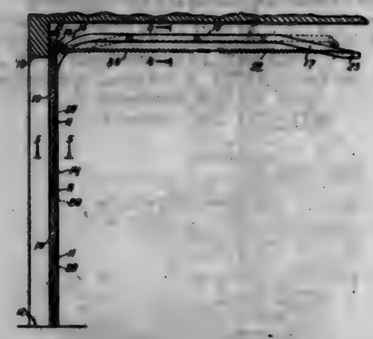
2,030,872
ULTRA-SHORT WAVE RECEIVER
Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 11, 1934, Serial No. 734,685
In Germany July 19, 1933
3 Claims. (Cl. 250—20)



1. In combination, in a radio receiver, a radio frequency stage comprising an electron discharge device having anode, grid and cathode electrodes, an input circuit connected between said control electrode and said cathode for impressing radio frequency energy thereon, another electron discharge device comprising a grid, cathode and anode, means for supplying a high positive potential to said last grid relative to its associated cathode and anode for obtaining a pendulum motion of the electrons emanating from said last cathode about said last grid, a connection including a condenser in parallel with a resistance between the anodes of both said devices, and an output circuit coupled to the grid of said last device.

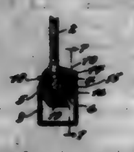
2,030,873
SPRING BALANCED DOOR
Daniel C. Hungerford, Corning, N. Y., assignor to J. Edward Ogden Company, East Orange, N. J., a corporation of New Jersey
Application November 5, 1931, Serial No. 573,094
24 Claims. (Cl. 20—30)

18. A counterbalancing system for door closures, comprising a closure, tracks for said closure having horizontal portions, vertical portions, and intermediate portions connecting said vertical and horizontal portions, springs operatively connected at one end to the upper portion of the closure and fixed at the other end, the force



of said springs being operative against said intermediate, connecting, track portions, whereby the spring tension exerts a horizontal component of force on the connecting track portions in varying relation as the closure traverses the said connecting portions of said tracks.

2,030,874
MOUNTING FOR PANELS
Lytle Gale Hunter, Flushing, N. Y.
Application March 12, 1934, Serial No. 715,277
12 Claims. (Cl. 20—56.4)

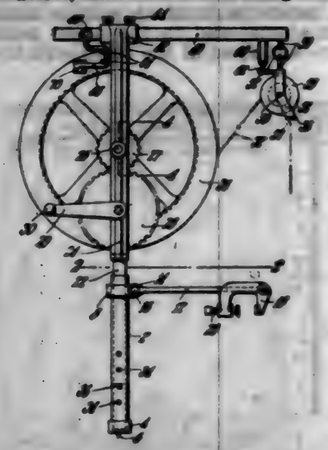


1. In combination, a frame having an opening closed by a panel, said frame adjacent the edge of the panel comprising two walls, one disposed forwardly and the other rearwardly of the panel and the rear wall overlapping the panel, a backing strip of resilient compressible material disposed between said panel and said rear wall, interlocking elements on said strip and rear wall securing the strip to the wall by the resilience of the material of the strip, a facing strip of resilient compressible material engaging the front face of the panel opposite the backing strip, and means holding said facing strip in place on the frame.

2,030,875
FISHING APPARATUS
Arthur Johnson, Springfield, Mass.
Application August 26, 1935, Serial No. 37,706
7 Claims. (Cl. 242—84.1)

5. A fishing apparatus of the class described comprising in combination, an upright support member having means associated therewith for attaching to the side of a boat, a spindle rotatable in said support and having a bracket on its upper end, a pulley wheel rotatable relative to said bracket, an arm extending forwardly of said bracket having a frame member flexibly mounted on its forward end, a guide pulley ro-

tatable in said frame, means for rotating said pulley wheel, means for locking said wheel



against rotation, and a fishing line extending from said pulley wheel to said guide pulley.

2,030,876

COMPOUNDS OF THE N-DIHYDRO-1,2,2',1'-ANTHRAQUINONE AZINE SERIES AND PROCESS FOR THE PRODUCTION THEREOF

Frank Willard Johnson, Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 27, 1932, Serial No. 625,212
13 Claims. (Cl. 260—31)

1. In a process of preparing condensation products of the anthraquinone series, the step which comprises condensing a 2-amino-1-chloro-anthraquinone in the presence of cuprous iodide.

2,030,877

PRODUCTION OF DERIVATIVES OF N-DIHYDRO-1,2,2',1'-ANTHRAQUINONE AZINE

Frank Willard Johnson, Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 20, 1932, Serial No. 629,751
13 Claims. (Cl. 260—31)

1. In a process of producing condensation products of the anthraquinone series, the step which comprises condensing a 2-amino-1-chloro-anthraquinone having the 3-position blocked with an inert substituent group in the presence of a copper bromide.

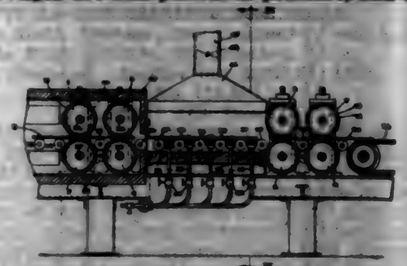
2,030,878

SAFETY GLASS

James W. Kamerer, New Kensington, and Le Roy B. Whitmire, Natrona Heights, Pa., assignors to Duplate Corporation, a corporation of Delaware

Application October 21, 1933, Serial No. 694,580
3 Claims. (Cl. 49—81)

1. A process of making safety glass which consists in adhering two sheets of glass to the opposite sides of a sheet of reinforcing material which is combustible, which softens on the application of heat, and which projects out past the edges of the glass sheets, exposing the edges of the plate thus formed to a flame which burns off the projecting portions of the reinforcing sheet and softens the edges of each sheet lying inward of the burned portions, subjecting the plate while said edges are still plastic to pressure, and then



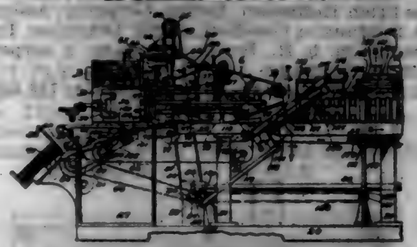
placing the plate in a bath of fluid having direct contact with the surfaces thereof and applying pressure to the bath.

2,030,879

WRAPPING MACHINE

Paul E. Kleinberg, Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y., a corporation of New York

Application June 12, 1934, Serial No. 730,376
18 Claims. (Cl. 93—3)



1. A machine for wrapping books or like articles comprising conveying means for causing continuous straightline travel edgewise through the machine of a procession of books, means for feeding a procession of wrappers and assembling them with the successive books during travel so that the bottom longitudinal edge of each book is positioned upon the middle part of the corresponding wrapper, means for longitudinally scoring each wrapper during feed to form parallel score marks corresponding to the side corners of the bottom edge of the book, means for thereafter unfolding the side flaps of each wrapper during travel and causing the same to lie flatly against the side faces of the book with the top edges of the flaps above the top edge of the book, means for thereafter during travel scoring each wrapper flap along longitudinal lines corresponding to the later folding thereof, means for thereafter during travel folding over one wrapper flap and tucking it down between the components of the book, means for thereafter during travel applying adhesive to one wrapper flap along a longitudinal sealing line, means for thereafter during travel folding over and down the second wrapper flap and applying it to the first flap for sealing by such adhesive, and means for applying during travel sealing pressure upon the second wrapper flap at the sealing line.

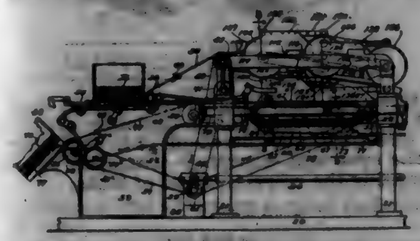
2,030,880

WRAPPING MACHINE

Paul E. Kleinberg, Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y., a corporation of New York

Application June 12, 1934, Serial No. 730,377
14 Claims. (Cl. 93—6)

1. A machine for folding and wrapping books or like articles comprising conveying means for causing continuous travel through the machine of a procession of books, means for feeding a procession of wrappers and assembling them flatwise with the successive books during advancing travel so that each book is positioned upon the middle part of the corresponding wrapper, means operating during travel and advancing with the book and wrapper for folding each book and wrapper by thrusting the middle thereof downward, and traveling abutment means advancing with the book and wrapper and between which the book is so thrust down, causing the sides of the book and wrapper to fold upwardly into edge-



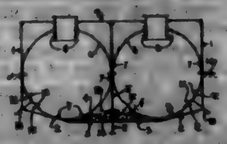
wise position, with the side flaps of each wrapper standing flatly against the side faces of the folded book and with the top edges of the flaps above the top edge of the book, means for thereafter during travel folding over one wrapper flap and tucking it down between the two parts of the book, means for thereafter during travel applying adhesive to one wrapper flap along a longitudinal sealing line, means for thereafter during travel folding over and down the second wrapper flap and applying it to the first flap for sealing by such adhesive, and means for applying during travel sealing pressure upon the second wrapper flap at the sealing line.

2,030,881

VESSEL

Herbert M. Knight, Montclair, N. J.

Application August 28, 1933, Serial No. 687,289
8 Claims. (Cl. 114—79)



1. In a vessel, the combination of an interior longitudinal, vertical bulkhead, exterior substantially vertical upper strakes, lower strakes obliquely disposed with reference to said upper strakes, said upper and said lower strakes having lines of contact, means rigidly connecting said strakes at said lines, inner bottom plates obliquely disposed with reference to said bulkhead and to said lower strakes, said plates having lines of contact with said bulkhead above the bottom of the vessel and also with said lower strakes, means rigidly connecting said inner plates and said bulkhead at said contact lines, other means rigidly connecting said inner plates and said lower strakes at their said contact lines, a plurality of inner shells, each said shell being curvilinear in a plane normal to the longitudinal axis of said vessel and in tangential contact with the bulkhead at one side and with an upper strake at its other side and resting upon and in tangential contact at its bottom with the one lower strake and with one of said inner plates, and means connecting said bulkhead strakes and plates with the said inner shell at the several said tangential points of contact therewith, said shells function-

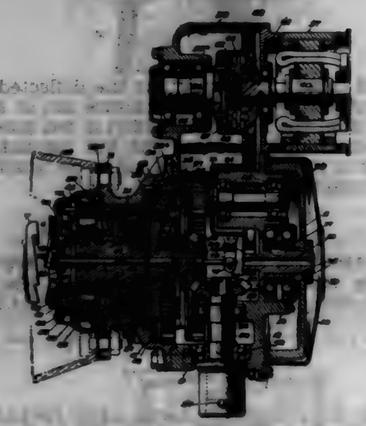
ing as continuous frames and cooperating with the bulkhead strakes and plates to obtain a reenforced girder-like unitary structure.

2,030,882

ENGINE STARTING APPARATUS

Raymond P. Lansing, Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y., a corporation of New York

Application January 8, 1929, Serial No. 331,093
Renewed May 28, 1935
3 Claims. (Cl. 122—179)



1. In an engine starter, an engine engaging driving member adapted for longitudinal and rotary movement, a flywheel disposed substantially coaxially with respect to said engine engaging member, means including a bell shaped gear for drivably connecting the flywheel and member, power means for rotating the flywheel, said power means having the longitudinal axis thereof laterally spaced from and substantially parallel to the axis of rotation of the flywheel, means including a second bell shaped gear meshing with said first named gear, for drivably connecting said power means and flywheel, and manually operable means for rotating the flywheel and adapted for independent or conjoint action of said power means.

2,030,883

PRECIPITATION OF MIXED ESTERS OF CELLULOSE

Carl J. Malm, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

No Drawing. Application July 28, 1931, Serial No. 553,647
5 Claims. (Cl. 260—183)

1. In the process of recovering a mixed organic ester of cellulose from a solution thereof in a lower fatty acid containing liquid the step which comprises precipitating the ester in an aqueous precipitation bath containing 50–60% by weight of mixed lower fatty acids.

2,030,884

BOTTLE CAP AND PROCESS OF MAKING SAME

William T. Mason and Henry J. Coleman, La Salle, Ill.; said Coleman assignor to said Mason

Application June 7, 1934, Serial No. 729,352
9 Claims. (Cl. 113—40)

6. The process of forming a bottle cap consisting of bending and crimping the margin of a

metal disc and inwardly deflecting and expanding a portion of the disc, then before using the cap cutting through the major portion of the edge of the deflected portion leaving a hinge portion to connect the deflected portion with the



cap, and finally flattening out the deflected and expanded portion to form a closure tab of a size greater than the hole from which it was punched to prevent blowing out of the tab through the hole due to pressure within a bottle on which the cap is engaged.

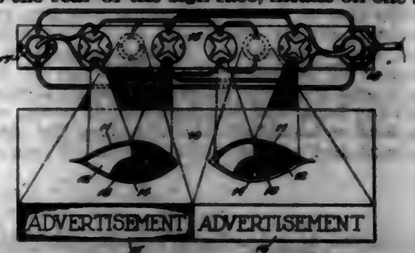
2,039,835
APPARATUS FOR BURNING SULPHUR
Myles Standish Maxim, Somerville, Mass.
Application June 15, 1931, Serial No. 544,440
7 Claims. (Cl. 23—278)



7. An apparatus for burning sulphur comprising an elongated chamber having a pair of spaced partitions transversely disposed therein dividing the chamber into a sulphur burning compartment and a combustion compartment, the two compartments being interconnected by openings through the partitions, an inlet for primary air to the sulphur burning compartment, the latter compartment also being provided with a refractory checkerwork disposed to provide a foraminous barrier between the inlet for primary air and the openings through the partitions and through which the primary air must pass to reach said openings, a feeding device disposed above the checkerwork to supply sulphur thereto, and an inlet for secondary air disposed to discharge a current of air into the space between the two partitions.

2,039,886
ELECTRICAL ADVERTISING SIGN
Frank H. McDonald, Pittsburgh, Pa.
Application October 2, 1934, Serial No. 746,583
4 Claims. (Cl. 40—130)

1. An advertising sign comprising a sign face of opaque material having openings therein shaped to correspond to the human eye, translucent material covering said openings and having thereon the representation of the iris and pupil of the eye, two sets of electric light bulbs mounted at the rear of the sign face, means on one set



of bulbs for directing light therefrom onto one side of said eyes, means on the other set of bulbs for directing light therefrom onto the other side of the eyes, and separately controlled means for energizing the respective sets of bulbs.

2,039,887
METHOD OF MAKING SODIUM AND ZINC SULPHIDES
Thomas A. Mitchell, Inglewood, and Royal L. Sessions, Los Angeles, Calif., assignors, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo., a corporation of Wyoming
No Drawing. Application June 11, 1931, Serial No. 543,714. Renewed April 19, 1933
6 Claims. (Cl. 23—135)

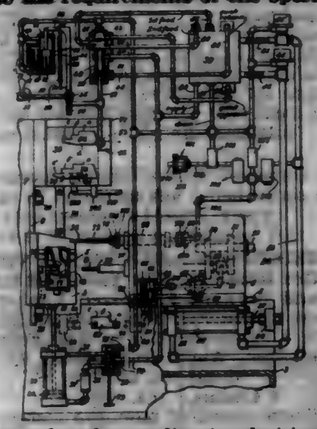
1. The method of making sodium sulphide comprising the steps of purifying crude sodium sulphate in an alkaline aqueous solution to oxidise, precipitate and remove iron and manganese therefrom, removing the excess of hydroxyl ion by means of hydrochloric acid and treating the resultant solution with iron-free barium sulphide to form sodium sulphide.

2. The method of making zinc sulphide pigment comprising the steps of oxidising, precipitating and removing the iron and manganese from crude sodium sulphate in an alkaline aqueous solution, removing the excess of hydroxyl ion from the solution by means of hydrochloric acid, producing sodium sulphide by reaction of iron-free barium sulphide on said purified solution and treating a zinc chloride solution with the sodium sulphide to precipitate zinc sulphide which is substantially free from oxygen and iron compounds.

2,039,888
MACHINE TOOL
Everette K. Morgan, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application December 2, 1927, Serial No. 237,521
45 Claims. (Cl. 29—51)

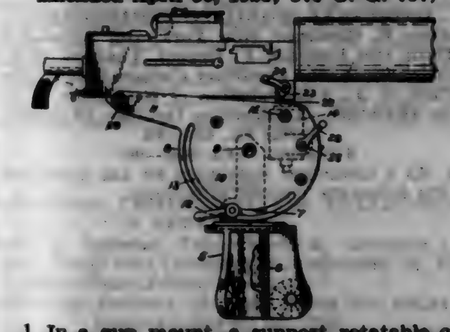
1. In a machine comprising a tool support and a work support, one of said supports being movable relative to the other support for the performance of an operation on the work, the tool support having different tools for performing more than one operation on the work, a single variable delivery pump, a single control valve for controlling the pump's delivery, means operative under fluid pressure for communicating movement to the movable support, said control valve controlling communication between the pump and the last mentioned means to determine the speed and direction of movement of the support according to the position of said valve, and plural

means for controlling the control valve, each according to the requirements of the operation be-



ing performed and according to what tool or tools are in use.

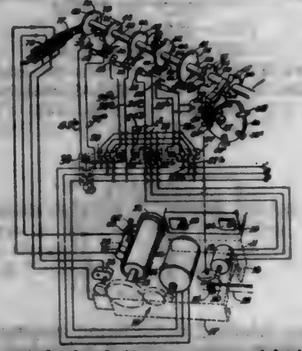
2,039,889
MOUNT FOR MACHINE GUNS
Sidney H. Negrotie, United States Army, Fort Benning, Ga.
Application April 1, 1933, Serial No. 663,049
3 Claims. (Cl. 89—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a gun mount, a support rotatable on a vertical pivot, a cradle trunnioned on the support and including spaced plates having arcuate slots, a clamping bolt passing through the slots and the support, an elevating mechanism housing positioned between the cradle plates forwardly of the support and secured to the cradle plates, a sleeve within the housing, a gun attaching member threadedly engaged with the interior of the sleeve, a worm wheel fixed to the sleeve, a shaft mounted in the housing and extending through one of the cradle plates, a worm on said shaft meshing with the worm wheel and a gun attaching member at the rear of the cradle.

2,039,890
CONTROL MECHANISM FOR MACHINE TOOLS AND THE LIKE
Alexander Oberhoffken, Rockford, Ill., assignor to Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application April 1, 1933, Serial No. 663,893
14 Claims. (Cl. 173—339)

2. In combination with relatively movable supports and electric motor driving means for effecting relative movements between said supports in different directions and at different speeds, a control mechanism comprising an element movable step-by-step through a plurality of rest positions, switching means governing the starting, stopping and speed of operation of said driving means and variably controlling said driving means to produce relative movements of different character in each of said positions to determine the direc-



tion and speed of relative movement between said supports, and means actuated according to the extent of relative movements between said supports and operating to advance said element through a plurality of rest positions during relative movement in one direction between said supports.

2,039,891
ROLLING MILL ROLL, METHOD OF MAKING SAME, AND PRODUCT OF SUCH ROLL
William H. Payne, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application November 5, 1931, Serial No. 573,307
3 Claims. (Cl. 80—58)



2. A roll for rolling sheet metal to be used as enameling stock, the entire working surface of said roll which is used in the rolling operation being a roughened surface of a pattern characteristic of the dendritic structure of that intermediate zone in a chilled casting which lies between the chilled outer layer and the gray iron inner body of the casting, the harder portions of the surface in said dendritic zone standing in relief above the softer portions thereof.

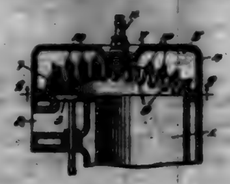
3. A sheet of ferrous metal particularly adapted for use as enameling stock, said sheet having a surface which, irrespective of its metallurgical structure, is characterized by deep, sharp edged pits which are a counterpart of a relief pattern of the dendritic structure of that intermediate zone in a chilled casting which lies between the chilled outer layer and the gray iron inner body of the casting.

2,039,892
MATCH MANUFACTURING
Michail G. Pelipets, New York, N. Y., assignor of one-half to Peter L. Doudzhenko, New York, N. Y.
No Drawing. Refiled for abandoned application Serial No. 585,242, January 7, 1932. This application February 8, 1935, Serial No. 5,617
2 Claims. (Cl. 52—25)

1. A striking composition for match boxes, consisting of from 85% to 95% of rosin by weight,

from 1% to 3% of shellac, from 1% to 2% of paraffin and wax, and from 3% to 10% of resinous material taken from a group consisting of turpentine, pitch, and gutta percha, said ingredients forming a binder, and a ground abrasive material imbedded in said binder.

2,030,033
CYLINDER HEAD
Robert H. Pennebaker, New Orleans, La.
Application January 13, 1933, Serial No. 586,410
9 Claims. (Cl. 123—173)



9. In an internal combustion engine, a cylinder, a cylinder head defining a cooling jacket, a plurality of cylindrically shaped hollow heat extractors carried by one wall of said cylinder head and extending downwardly from said head toward said cylinder, said heat extractors being closed at their lower limits, and heat distributing members connected with the said wall of said cylinder head and projecting upwardly therefrom into the cooling jacket, cooling fluid being circulated in said cooling jacket and said hollow heat extractors.

2,030,034
CYLINDER HEAD
Robert H. Pennebaker, New Orleans, La.
Application August 4, 1933, Serial No. 683,667
9 Claims. (Cl. 123—173)



1. In an internal combustion engine, a cylinder, a head for said cylinder defining a cooling jacket, a plurality of hollow parallel extending fins projecting downwardly from said head toward the interior of said cylinder, said hollow fins being closed at their lower extremities and having their upper ends opening into the cooling jacket for providing a path for the circulation of cooling medium for effecting the extraction of heat from said cylinder, and means projecting upwardly into said cooling jacket intermediate said hollow fins for dissipating heat extracted by said hollow fins from said cylinder.

2,030,035
METHOD OF MAKING SLIDE FASTENERS
Sverre Quisling, Madison, Wis., assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania
Application November 21, 1933, Serial No. 699,612
5 Claims. (Cl. 153—1)

1. The method of making slide fasteners of the class described which comprises forming support holding means along the two side edges of a flat strip of rigid material, attaching a flexible support to the support holding means on each side of the strip, and forming from said strip two



separate series of upward apart fastener members, one series being left attached to each strip.

2,030,036
MEDICINAL AZO COMPOUNDS
Rasmer Raz Renshaw, New York, and Edmund Y. Thea and Bernard F. Dressel, Yonkers, N. Y., assignors to The Pyridium Corporation, Nepera Park, N. Y., a corporation of New York
No Drawing. Application March 23, 1932, Serial No. 601,713
4 Claims. (Cl. 260—97)

1. As a new chemical monazo compound useful for medicinal purposes, a di-amino-phenyl-azo-phenyl compound, the amino groups of the first phenyl group being unsubstituted and the second phenyl group being provided with two substituents, at least one of which is in ortho-position to the azo linkage, and at least one of which consists of a methyl group and the other of which is selected from the group consisting of methoxy and hydroxy.

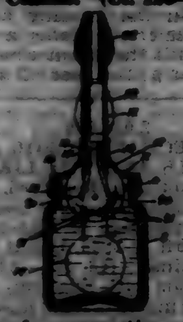
2,030,037
MEDICINAL MONOAZO COMPOUNDS
Rasmer R. Renshaw, New York, and Edmund Y. Thea and Bernard F. Dressel, Yonkers, N. Y., assignors to The Pyridium Corporation, Nepera Park, N. Y., a corporation of New York
No Drawing. Application October 15, 1932, Serial No. 638,340
8 Claims. (Cl. 260—96)

1. As a medicinal substance an azo compound of the following structural formula:



in which a hydrogen atom more adjacent to the azo group than the para position is replaced by R which represents a halogen atom or a lower alkyl group.

2,030,038
VAPORIZER
Joseph Robinson, New York, N. Y.
Application March 14, 1932, Serial No. 598,963
7 Claims. (Cl. 128—192)



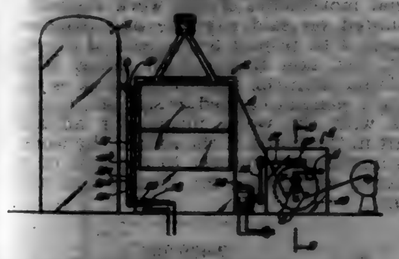
1. A device for generating vapors for inhalation, comprising in combination, a receptacle for a medicament, a heat absorbing member for receiving heat externally applied thereto and thus stored therein disposed on the receptacle and dependingly projecting into the medicament to cause vaporization thereof, means for adjusting the elevation of the heat absorbing member relative to the medicament level, and an applicator for conveying the medicament vaporized by said heat storage member to an affected part.

2,030,039
FOOD CONTAINER UNIT
Lewis H. Sewitsch, Chicago, Ill.
Application July 23, 1935, Serial No. 32,317
11 Claims. (Cl. 211—77)



1. In a rotary container group, a flat rotary sheet metal support for a group of containers, a base upon which said support is pivoted to rotate about a central vertical axis, said sheet metal support having radial beads on the upper side thereof, defining the divisions between the containers, said beads being adapted for engaging the bottom side edges of the containers, and said support having peripheral upstanding container engaging means co-operating with said beads to removably maintain the containers in position.

2,030,040
QUOTATION PROJECTING OR ANALOGOUS APPARATUS
James A. Spencer, Teaneck, N. J., assignor to News Projection Corporation, New York, N. Y., a corporation of New York
Application January 15, 1930, Serial No. 420,847
Renewed August 24, 1934
13 Claims. (Cl. 271—2.1)

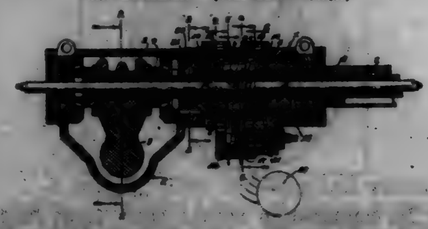


1. In a stock quotation projection machine, the combination with a tape puller, of a motor, friction driving means between the motor and the puller, a clutch member on a driven element of the puller, a movable stopping clutch member, an electro-magnet arranged to operate the movable clutch member into stop clutching engagement with said driven clutch member, a magnet circuit including a contact, an element running on a tape loop, and a connection from said element to the contact to close the magnet circuit with a deflection in the tape by said element, said connection including lost motion means.

2,030,041
PROCESS FOR DEPOLYMERIZING ALPHA SUBSTITUTED ACRYLIC ACID ESTERS
Daniel E. Strain, Wilmington, Del., assignor to Du Pont Viscoloid Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 16, 1935, Serial No. 1,153
13 Claims. (Cl. 260—166)

1. Method of producing a monomeric ester of an acrylic acid substituted in the alpha position by a hydrocarbon radical which comprises heating the corresponding polymeric ester at a temperature above its decomposition point.

2,030,042
HYDRAULIC STEERING GEAR
Harry F. Vickers, Detroit, Mich.
Application October 30, 1930, Serial No. 489,812
22 Claims. (Cl. 180—79.2)



1. In a steering gear, the combination of a housing containing a wheel shaft a manually operated driving member and a follow up type control valve in axial alignment with said wheel shaft, a cover for said housing containing a driven operating member cooperating with said driving member and fluid operated means connected to said driven member, fluid supply means connected to said steering gear housing, and conduits for conducting the fluid through the control valve to the fluid operated means.

2,030,903
PHOTOGRAPHIC FILM OF THE MONOPACK TYPE ADAPTED FOR COLOR PHOTOGRAPHY
Hans von Fraunhofer, New York, N. Y., assignor to Omnichrome Corporation, New York, N. Y., a corporation of New York
No Drawing. Application August 2, 1934, Serial No. 738,296
13 Claims. (Cl. 95—3)

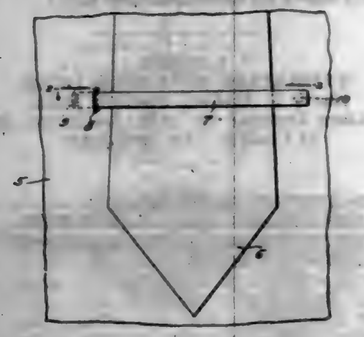
1. A method of forming a sensitised monopack film comprising uniformly coating a carrier with a homogeneous solution incorporating color sensitising dyes and filter dyes of varying particle size and rate of diffusion and superimposing on such coating a layer of emulsion, and thus permitting the color sensitising dyes and filter dyes to diffuse upwardly from the carrier into the emulsion.

2,030,904
PHOTOGRAPHIC FILM OF THE MONOPACK TYPE ADAPTED FOR COLOR PHOTOGRAPHY
Hans von Fraunhofer, New York, N. Y., assignor to Omnichrome Corporation, New York, N. Y., a corporation of New York
No Drawing. Application August 2, 1934, Serial No. 738,299
11 Claims. (Cl. 95—3)

1. A method of treating a mono-pack film, comprising diffusing into the emulsion of the

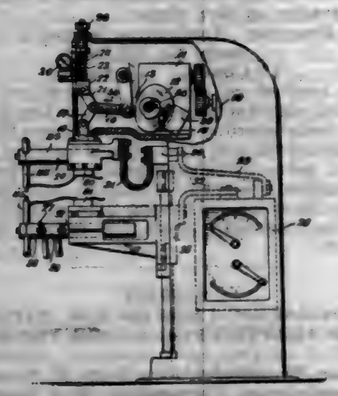
film a reagent incorporating sensitizing dyes and filter dyes of such particle size and rate of diffusion for such time as to produce in the emulsion a plurality of strata predominantly sensitized respectively to record different color aspects.

2,030,905
TIE HOLDER
Raymond M. Wolfe, Louisville, Ky.
Application August 13, 1934, Serial No. 739,651
Renewed January 8, 1936
2 Claims. (Cl. 2—115)



1. In combination with a shirt front having an opening therein, a tie retaining strip having an end extending through said opening to the inner side of the shirt and secured to the shirt at said inner side, said strip adapted to be disposed across the shirt front for retaining a tie scarf end between the strip and the shirt front, and inter-engaging means on the shirt front and on the free end of the strip for releasably retaining the strip in tie retaining position.

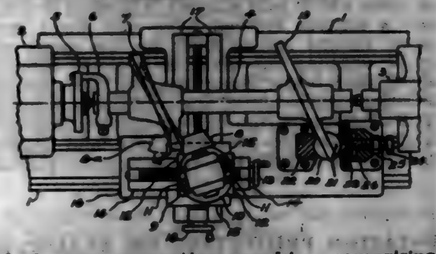
2,030,906
METHOD AND MEANS FOR SPOT-WELDING ALUMINUM AND ALUMINUM ALLOYS
Nelson F. Malley, Brooklyn, N. Y., assignor to Aluminum Alloys Welding Corporation, a corporation of New York
Application September 16, 1935, Serial No. 39,878
8 Claims. (Cl. 219—4)



1. The spot-welding process, which comprises placing at least two partly overlapping aluminum containing plates between two electrodes, causing said electrodes to press with a constant pressure against said plates, causing an electrical current to flow through said electrodes and the underlying portions of said plates, while said constant pressure is being maintained, interrupting the flow of the electrical current, diminishing said constant pressure until a predetermined lower pressure is attained, and then increasing said lower pressure while the material is still hot.

6. In a machine for spot-welding aluminum and aluminum alloys, a pair of electrodes situated substantially opposite each other, a cam having operative surfaces, means connected with one of said electrodes and in contact with said cam surfaces to cause said electrode to exert a pressure upon plates inserted between said electrodes, a source of electrical energy, the first-mentioned electrode comprising a rod and a block carrying said rod; the second-mentioned electrode comprising a rod, a block carrying said rod, another block having a greater resistance than the second-mentioned block and connected in series with the second-mentioned block, and a further block connected in series with the third-mentioned block; means connecting the last-mentioned block with said source of electrical energy, and means connecting the first-mentioned block with said source of electrical energy.

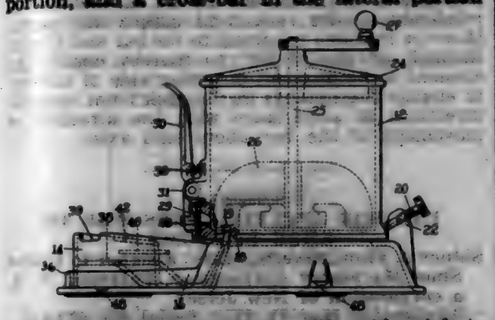
2,030,907
CAM GENERATING MACHINE
Heraclio Alfaro, Boston, Mass.
Application August 4, 1934, Serial No. 738,503
17 Claims. (Cl. 51—101)



1. A cam generating machine comprising a work support mounted for rotation about a fixed axis, a carriage mounted for linear movement longitudinally of the axis of the work support, means for reciprocating the carriage during each revolution of the work support and for relating the linear movements of the carriage to the rotational movements of the work support, a shaft mounted on said carriage and disposed transversely with respect to the axis of the work support, the axis of the shaft being substantially coplanar with the axis of the work, a generating cutting element carried by said shaft and engageable with the work, means for adjusting said shaft in the plane of the axis of the work to various angles with respect to the axis of the work support, and means for driving said cutting element.

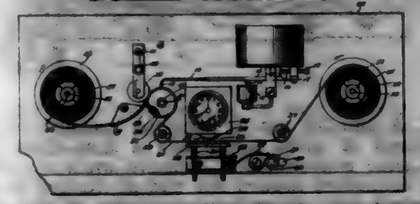
2,030,908
DISPENSING APPARATUS
Walter Barnett and Alfred Richard O'Key, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 7, 1934, Serial No. 734,150
In Great Britain August 17, 1933
8 Claims. (Cl. 91—66)

1. In a dispensing apparatus, a tray to receive small quantities of material dispensed from a container, said tray having a portion forming a sump and a lateral portion provided with a rim which is notched, and with a brush-receiving shelf at a level higher than the bottom of the sump portion, and a cross-bar in the lateral portion



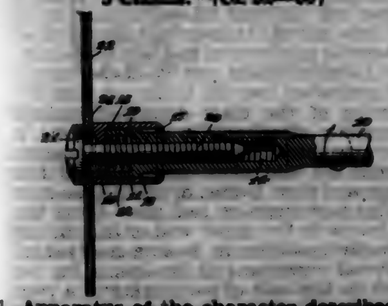
above its shelf to cooperate with said notch to support a brush.

2,030,909
RECORDING DEVICE
Albert E. Berden, Yellow Springs, Ohio, assignor to Antioch Industrial Research Institute, Inc., Yellow Springs, Ohio, a corporation of Ohio
Application December 12, 1931, Serial No. 580,654
9 Claims. (Cl. 178—91)



1. A system for recording signals superimposed on alternating carrier current which comprises a receiving circuit having a vacuum tube output including distorting network, electromagnetic recorder directly connected to the said vacuum tube output, the recorder having a magnetic field continuously magnetized during operating and an armature cooperating with the magnetic field and the recorder having electrical constants approximately matching the impedance of the vacuum tube output circuit at the signal note frequency.

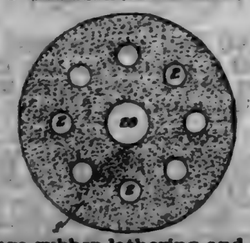
2,030,910
GRINDING WHEEL MANDREL
James H. Blair, Staten Island, N. Y., assignor to Chayes Dental Instrument Corporation, New York, N. Y., a corporation of New York
Application March 21, 1933, Serial No. 661,286
5 Claims. (Cl. 33—59)



1. Apparatus of the character described, comprising a rotatable rod-like member having a threaded opening in one end thereof, a cup-shaped sleeve slidably secured to the same end

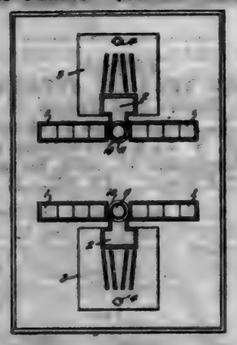
of said member with the inturned bottom of the sleeve covering the end of the member, said bottom having an opening therein substantially coaxial with said threaded opening, resilient means forcing said sleeve outwardly, and a bolt passing through said sleeve into threaded engagement with said opening to hold a disk between the end of said sleeve and the head of said bolt, said sleeve being movable to contact the inturned bottom thereof directly with the end of the rod-like member.

2,030,911
WASHING AND LATHERING SPONGE DEVICE
Charles R. C. Berden, Brookline, Mass.
Application December 9, 1933, Serial No. 701,653
3 Claims. (Cl. 15—244)



1. A sponge rubber lathering and washing appliance comprising a body of porous sponge rubber having approximately flat contact faces, said body having distributed in substantially its entire area a plurality of normally open ducts which extend therethrough from face to face, and said body having a relatively large central opening extending through said body in radial venting and drying relation to the rest of the sponge body.

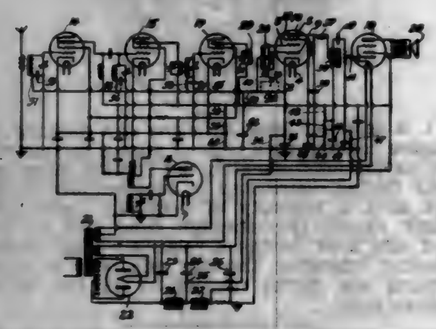
2,030,912
SIGNALS AND CONTROLS FOR PASSENGER AND FREIGHT ELEVATORS AND FOR OTHER PURPOSES
William Noble Dickinson, Rockville Centre, N. Y.
Application June 20, 1931, Serial No. 545,759
25 Claims. (Cl. 177—336)



1. In an elevator signaling system including in combination, centralized push buttons and car designating signal means at each intermediate floor landing, said car designating signal means comprising an up and down signal lamp, windows situated at each side of the push buttons corresponding with the elevators at each side of said push buttons and adapted to be illuminated by said signal lamp, a light baffle normally maintained in a position to block out light from said windows, an electro-magnetically operated pawl and ratchet mechanism to shift said baffle a cer-

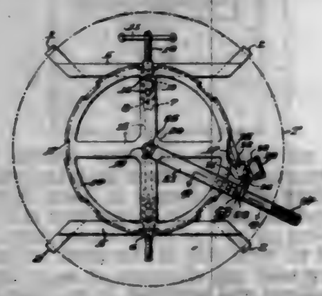
tain distance to illuminate all of the windows from the push button out to and including the particular window which designates the door to be served by an approaching elevator, and a controller to control the electrical impulses transmitted to said electro-magnet, said controller comprising a traveling solenoid having a movement corresponding to the movement of an elevator, an electrical connection between said solenoid and the push button, a mechanism co-operating with the plunger in said solenoid to actuate a contact-wiping member and contacts corresponding in number to an approaching car, over which said wiping member passes to complete an electrical circuit with the said electromagnet and thereby send the required number of electrical impulses through same.

2,030,913
DETECTING AND AMPLIFYING SYSTEM
Harold F. Elliott, Palo Alto, Calif.
Application April 27, 1932, Serial No. 607,355
16 Claims. (Cl. 250—20)



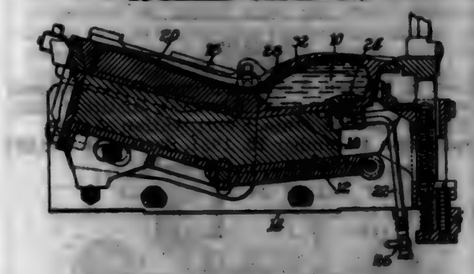
1. In a self-governing amplifier for alternating current potentials, means for amplifying the potentials, means comprising a single space discharge device with a single cathode and a single source of energy for rectifying the amplified potentials, re-amplifying the rectified potentials, and governing the amplifier directly by the rectified and re-amplified potentials combined serially.

2,030,914
BRAKE TESTING APPARATUS
Merlin Hugh Evans and James H. Woodhouse, Elmira, N. Y., assignors to Evanwood Corporation, Elmira, N. Y., a corporation of New York
Application December 11, 1934, Serial No. 756,933
7 Claims. (Cl. 265—1)



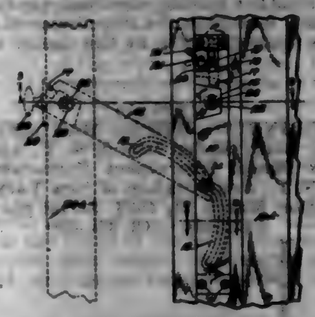
5. In brake testing apparatus of the class described, a circular notched rack, means for removably securing the rack to a wheel tire, a bar pivoted at the axis of the rack, a handle operatively fixed with respect to the bar, a notch engaging element movable with the bar and handle relatively to the rack, and supporting means therefor movable relatively to the bar and handle through an arc of 180° to thereby enable the element to be disposed on either side of the bar to engage the notches in the rack from opposite directions in accordance with the direction of movement of the bar about said axis.

2,030,915
PAD FOR APPLYING PRESSURE TO SHOE BOTTOMS
Sidney J. Flinn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 11, 1933, Serial No. 672,651
In Great Britain October 18, 1932
14 Claims. (Cl. 12—32)



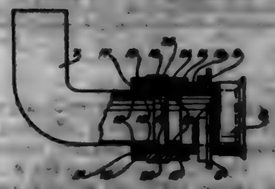
7. A pad for use in applying pressure to the bottoms of shoes comprising a fluid-filled bag the shoe engaging and opposite walls of which are connected toward one end of the pad by an internal wall extending lengthwise of the pad.

2,030,916
DOOR FASTENER
James C. Gard, Bloomington, Ill.
Application April 13, 1934, Serial No. 720,235
1 Claim. (Cl. 292—269)



A device of the class described including a plate member attachable to a door frame, a link member mounted for pivotal and longitudinal movement on said plate and disposed between the plate and door frame, a locking bar mounted for sliding movement on said plate above the said link, a recess in the upper end of the link adapted to receive said bar in locking relation to prevent pivotal movement of the link, a lug portion disposed on the side of said link and a recess in said plate adapted to receive said lug portion in a manner to hold said link against longitudinal movement, and mechanism secured in the door movable to engage or disengage said link.

2,030,917
MULTIPLE JOINT EXTENSION UNION
Joseph B. Guilliford, Regina, Saskatchewan, Canada.
Application November 19, 1934, Serial No. 753,722
In Canada April 6, 1934
7 Claims. (Cl. 285—123)



1. A multiple joint extension union, for connecting tubing with an existing exteriorly threaded fitting, comprising in combination an elongated slidable nut, smoothly bored, having on one end an inverted flange, the inner edge of the flange to slidably fit the tubing to be connected, and threaded interiorly in the remaining end to fit the said existing exteriorly threaded fitting, an extension sleeve, having one end slidable exteriorly over said tubing, and the opposite end of said sleeve slidable interiorly of the said existing fitting, annular means arranged for gaskets, and means provided on the slidable nut for tightening said gaskets.

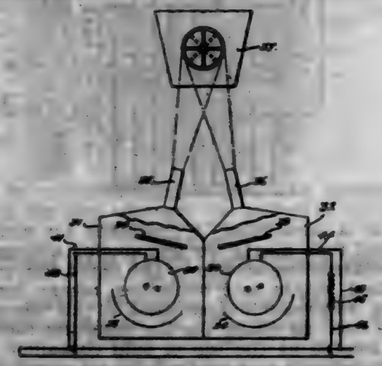
2,030,918
METHOD OF MAKING A PEN POINT
Harry J. Hahnn, Camden, and Lloyd S. Henwood, Merchantville, N. J., assignors to C. Howard Hunt Pen Company, Camden, N. J., a corporation of New Jersey
Application June 15, 1932, Serial No. 619,248
2 Claims. (Cl. 113—32)



1. The method of manufacturing pen points of the type having a tip bent to increase the thickness thereof; which method includes treating a chromium-nickel alloy steel to make the metal hard and springy; forming a flat pen point blank from the metal; after treatment in the manner referred to, and without intervening process steps appreciably affecting the characteristics of the alloy, bringing portions of the metal at the tip of the pen into planes substantially parallel to each other by bending the metal, to provide increased thickness at the tip; and thereafter, and without other intervening process steps appreciably affecting the characteristics of the alloy, slitting the nib of the pen including its tip.

2,030,919
DEVICE FOR CREATING AN ILLUSION
Robert Harding, Jr., Elmsford, N. Y., assignor to Sirian Lamp Company, Newark, N. J., a corporation of Delaware
Application December 4, 1931, Serial No. 578,978
Renewed July 9, 1935
3 Claims. (Cl. 88—24)

1. In a device of the class described a pair of electric lamps each comprising an envelope, a filamentary resistance wire within said envelope, electron emitting material in contact with said wire, and an inert gas having a pressure in the neighborhood of 200 mm. of mercury surrounding said wire, means to minimize the ionization of the gas around said filament when the current flows in one direction through the lamp, means to connect said lamps reversely to said circuit so that when the current flows in one direction the ionization of gas in one lamp is minimized while when the current flows in the other direction the ionization of gas in the other lamp is minimized, a pair of objects one adapted to receive the light from each of said lamps, a screen, and means to project said objects in superimposed position upon said screen.



2,030,920
COLOR ENGRAVING PROCESS
William M. Hensel, Chicago, Ill.
Application February 2, 1934, Serial No. 709,623
1 Claim. (Cl. 95—5.3)

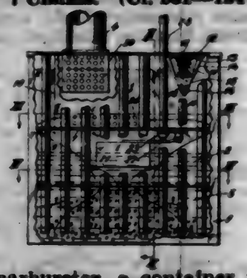


In a photoengraving process, the steps of making a color selection negative; making a correction negative of the same subject through a dense orange filter, over-exposing to photograph the yellow, reds and magentas as much as possible, and over-developing; making a half-tone dot printing plate from the color selection negative and etching; resensitizing said printing plate with a composition capable of being insolubilized by the action of light; exposing said resensitized printing plate to light through said color correction negative; washing out the soluble portions of the resensitizing composition; and re-etching the plate.

2,030,921
COPPER-BERYLLIUM ALLOYS
Werner Bonsebrack, Hanau-on-the-Main, Germany, assignor to Heraeus-Vacuumschmelze, A. G., Hanau-on-the-Main, Germany
No Drawing. Application June 15, 1934, Serial No. 730,727. In Germany June 17, 1933
2 Claims. (Cl. 75—1)

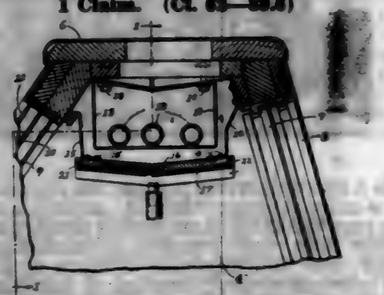
1. An alloy consisting of beryllium in quantities in excess of a trace up to about 3%, titanium from about .5% to about 3%, and the balance copper.

2,030,923
CARBURETOR
Richard R. Hirth, Milwaukee, Wis.
Application January 23, 1935, Serial No. 3,769
7 Claims. (Cl. 261—124)



1. In a carburetor, a container for confining a liquid fuel, means for introducing atmospheric air adjacent the bottom of the liquid fuel column confined within said container, means for supplying controllable quantities of air above the liquid fuel, an outlet for the resulting fuel mixture located at the top of said container, baffle means between said controllable air supply means and said outlet, baffle means in the body of liquid fuel, baffle means above the level of the liquid fuel, said latter two baffle means respectively constructed to provide paths of flow toward and away from the vertical center-line of the container, and further baffle means between the outlet and each of said former baffle means.

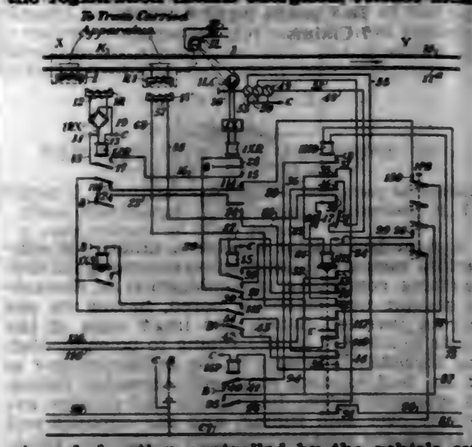
2,030,923
DISPLAY REFRIGERATOR ACCESSORY
George J. Hopkins, Kendallville, Ind., assignor to McCray Refrigerator Company, Kendallville, Ind., a corporation of Indiana
Application January 29, 1934, Serial No. 708,816
1 Claim. (Cl. 62—89.6)



A drip pan adapted for disposition below a refrigerating coil having an under roughened surface of a material with a heat conductivity flow of less than two B. t. u.'s per square foot per degree per hour per inch of thickness.

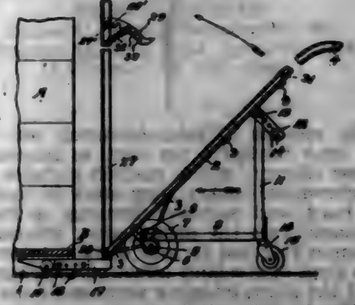
2,030,924
SIGNALING SYSTEM
Ralph R. Kemmerer, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 5, 1935, Serial No. 14,865
20 Claims. (Cl. 246—77)

2. A signaling system comprising in combination with a trackway and a vehicle adapted to travel on the trackway, a plurality of electro-responsive registration means one at each of a plurality of spaced locations along the trackway, an intermittent control means at each location for energizing the registration means and including a vehicle controlled actuator operative to render such control means effective when and only when a vehicle is passing the location, storage means at each location effective to retain the registration means energized, release means



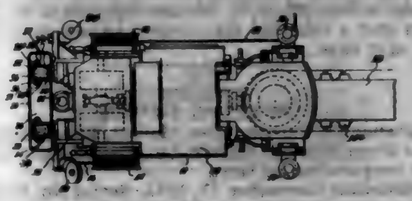
at each location controlled by the vehicle controlled actuator at a location in advance and operative to deenergize the associated registration means in response to the vehicle passing such location in advance, and vehicle signaling means controlled by the registration means.

2,030,925
PORTABLE TRUCK
Dudley L. Lea, Findlay, Ohio, assignor to Self Lifting Piano Truck Company, Findlay, Ohio, a corporation
Application January 2, 1935, Serial No. 127
7 Claims. (Cl. 280—49)



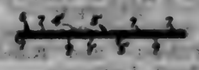
1. In a hand truck of the class described, in combination, a main frame comprising upwardly and rearwardly inclined side bars, wheel carrying arms projecting downwardly from the side bars near their lower ends, wheels supported on said arms, an adjustable wheel frame pivotally connected at its front portion to said arms adjacent to the said wheels and adjustably connected at its upper portion to the upper portion of said side bars, caster wheels carried by the lower portion of said wheel frame, said wheel frame comprising horizontal members which afford the pivotal connection thereof with the arms carrying the first mentioned wheels, and said wheel frame also including vertical parts rigidly fixed to said horizontal members and which are adjustably connected with the side bars of the main frame to afford connection between the wheel frame and said side bars, attaching means for the caster wheels located at the juncture of said horizontal members, a load supporting rack pivotally mounted on the main frame adjacent the lower end of the latter and including a toe extending at an angle therefrom at the lower end, and adjustable connecting means intermediate the main frame and rack adjacent to the upper ends thereof for adjusting the angular position of the latter with respect to the former.

2,030,926
KERF-CUTTING MACHINE
Frank A. Lindgren, Western Springs, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 16, 1934, Serial No. 740,108
3 Claims. (Cl. 262—36)



1. In combination with a kerf-cutting machine slidable on its own bottom on the mine floor, a shoe adapted to engage the mine floor, means for detachably connecting said shoe to said machine comprising means interchangeably connectible to said machine adjacent opposite sides of the latter, hinge means disposed between said shoe and one of said connecting means, and vertical adjusting means disposed between said shoe and the other of said connecting means.

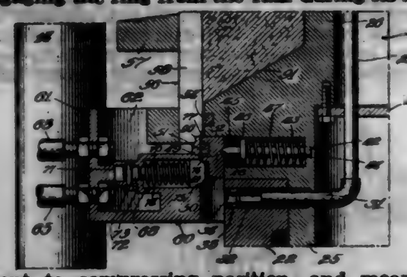
2,030,927
PISTON PACKING RING
Charles A. Marien, St. Louis, Mo., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo., a corporation of Missouri
Application December 29, 1931, Serial No. 589,834
1 Claim. (Cl. 309—39)



1. A laminated piston ring for engines comprising a plurality of similar metallic flat split superposed ring sections arranged with the gaps of adjacent sections in close proximity, said sections being connected at one point in the circumference of the ring, and adjacent sections having plane surfaces spaced around their peripheral faces, the plane surfaces of one section being staggered with respect to those of the next adjacent section.

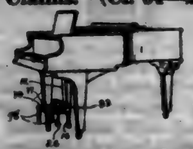
2,030,928
HYDRAULIC PRESS
John B. Middaugh, Chicago, Ill., assignor, by mesne assignments, to Oppenheimer Casing Co., Chicago, Ill., a corporation of Illinois
Application March 25, 1932, Serial No. 602,737
7 Claims. (Cl. 100—44)

1. An hydraulic press of the vertical type comprising in combination, a curb, a ram movable into the curb to compress the charge therein, a detachable sealing ring mechanically connected to and movable with the ram for closing the bottom of the curb, means for automatically disengaging the ring from the ram during its move-



ment to compressing position, and means for holding the ring adjacent the bottom of the curb.

2,030,929
STOOL AND AUXILIARY PEDAL FOR PIANOS
Yoshiro Miyashita, Seattle, Wash.
Application August 24, 1935, Serial No. 37,694
3 Claims. (Cl. 84—232)



1. In combination, a piano foot stool with auxiliary pedals for children, comprising a stool adjustably connected adjacent the regular pedals of a piano, a horizontal pivot shaft supported by and above the rear side of said stool, auxiliary pedals rotatably mounted on said shaft, cylindrical blocks slidably mounted on said shaft, said blocks provided with slots in one side thereof for the entry of rear ends said pedals therein and for limiting the downward movement of said pedals, with means for binding said blocks in desired positions on said shaft, when said auxiliary pedals have been suitably positioned over said regular pedals, to be operated thereby.

2,030,930
ELECTRON DISCHARGE DEVICE
Henry W. Parker, Toronto, Ontario, Canada, assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada, a corporation of Ontario, Canada
Application April 4, 1934, Serial No. 718,963
5 Claims. (Cl. 250—27.5)

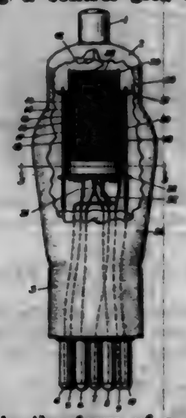


1. An electron discharge device comprising, a substantially evacuated envelope containing a cathode, an anode, said anode being in the form of a plurality of rods electrically interconnected, and a control grid externally disposed with relation to both said cathode and said anode, and formed with re-entrant portions located between said cathode and anode.

2,030,931
ELECTRON COUPLED THERMIONIC OSCILLATOR
Henry W. Parker, Toronto, Ontario, Canada, assignor to Rogers Radio Tubes, Ltd., Toronto, Ontario, Canada, a corporation of Ontario, Canada
Application April 26, 1934, Serial No. 722,451
8 Claims. (Cl. 250—27.5)

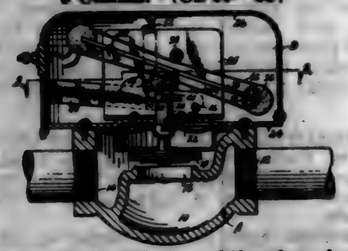
1. An electron coupled thermionic oscillator comprising, a substantially evacuated envelope

containing a cathode, a plurality of electrodes cooperating with said cathode and constituting a detector-amplifier section, and a plurality of electrodes cooperating with said cathode and constituting an oscillator section, said oscillator section including a control grid and anode, said



anode being in the form of a plurality of rods electrically interconnected and said control grid being externally disposed with relation to both said cathode and said anode and formed with reentrant portions located between said cathode and anode.

2,030,932
CONTROL DEVICE
Lawrence M. Persons, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application October 17, 1932, Serial No. 638,114
3 Claims. (Cl. 60—23)



1. In an actuating device of the class described, a support, a control member movable relative thereto, means constraining said control member toward movement in one direction, a supporting bar pivoted to said support and having ends of insulating material, an electric resistance wire coiled around said ends and spanning the distance therebetween on each side of said supporting bar, said control member engaging the stretches of said wire on one side of said supporting bar and being retained in engagement therewith by said means constraining it toward movement in a direction toward the supporting bar and a stationary abutment engaging the outside of the stretches of said wire on the other side of said supporting bar.

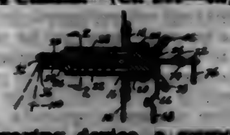
2,030,933
MAGNET SWITCH
Lawrence M. Persons, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application October 16, 1933, Serial No. 693,813
10 Claims. (Cl. 200—122)

1. In a switch for controlling an electric circuit, a base, a horseshoe magnet mounted thereon, an operating arm movably mounted on said base, a pair of magnetic armatures supported thereby, one on either side of the poles of said



magnet whereby magnetic lines of force pass through each of said armatures from one of said poles to the other, a contact supported by said arm and a cooeting stationary contact supported on said base.

2,030,934
SPRAYING DEVICE
Lawrence M. Persons, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application November 17, 1932, Serial No. 643,473
4 Claims. (Cl. 299—62)



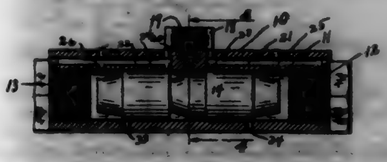
1. In a spraying device, a supporting post, a spray nozzle, means for mounting said spray nozzle so that its discharge end extends laterally from the upper end of said post, said mounting means including a pair of pivots within said post and at right angles to each other and means for oscillating said spray nozzle about each pivot to thereby cause a spray from said spray nozzle to traverse a path which is zigzag in one direction and back and forth at right angles to said direction during the operation of the spraying device.

2,030,935
ELECTRIC POWER TRANSMISSION SYSTEM
Georg Pfaff, Breslau, Germany, assignor to Vereinigte Zünder- und Kabelwerke A.-G. Meissen/Sachsen, Germany
Application July 29, 1935, Serial No. 33,190
In Germany November 9, 1932
6 Claims. (Cl. 171—97)



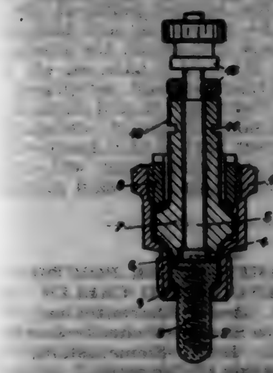
6. A polyphase high voltage power transmission system comprising separate single-core insulated lead covered cables for each phase, said cables having in intimate contact with the lead sheath supplementary conductors of high conductivity, and a plurality of cross-connecting conductors interconnecting said supplementary conductors at intervals which progressively diminish from the median point of the cable-run towards the ends thereof, the interval between any except the middle cross-connection and the cross-connection immediately following in the direction of the nearest end of the line being one half that between the former cross-connection and the cross-connection immediately preceding it in the direction of the middle of the transmission line.

2,030,936
VIBRATOR
George B. Pickup, New Haven, Conn.
Application January 29, 1935, Serial No. 3,991
11 Claims. (Cl. 121—17)



1. A vibratory engine or tool comprising a body provided with a cylinder and a piston mounted to reciprocate in the cylinder, said body being provided with an inlet opening adjacent its central portion leading into the cylinder and also being provided with passages each communicating with the cylinder adjacent an intermediate portion thereof and adjacent one end thereof, the piston being provided with a recess adjacent its central portion adapted to effect communication between said inlet port and one or the other of said passages, and said recess having an inclined bottom surface terminating in an abrupt shoulder.

2,030,937
INCANDESCENT IGNITER
Reinhold Reichmann, Berlin, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application August 6, 1935, Serial No. 35,606
In Germany January 5, 1933
10 Claims. (Cl. 123—145)



1. An igniter of the class described comprising, a self-supporting ceramic body forming an incandescent member for direct operation within the cylinder of an internal combustion engine, and a filament disposed gas-tight within said body for incandescing said body.

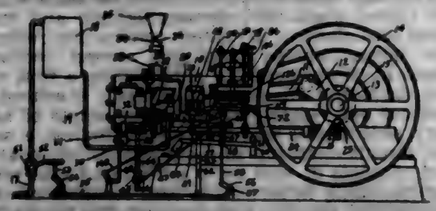
2,030,938
MINE CAR
Donald U. Rich, Teaneck, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application November 16, 1934, Serial No. 753,249
29 Claims. (Cl. 105—253)



1. The combination with a car body, of a plurality of horizontal transversely extending hinge rods carried by the body, a plurality of doors, a plurality of means attached to the doors and hinging the doors on the rods, a plurality of hook shaped members secured to the free edge of at least one door, the means hinging at least one of the doors on its rod being provided with a portion situated substantially on the opposite side of the hinge axis from the door and adapted to be engaged by the hook member of the adjacent door when the doors are in closed position.

28. In a mine car, side and end sills forming a frame, wheel carrying axles connected with the side sills, a lading supporting bottom, side and end walls attached to said sills, wheel housings spaced outwardly of said side sills, axle housings positioned over said axles, filler members having portions complemental with portions of the wheel housings and attached thereto, inclined deflector walls positioned between the wheel housings and the axle housings and terminating substantially flush with the latter, and flanges projecting inwardly from the deflector walls engaging said axle housings.

2,030,939
INTERNAL COMBUSTION ENGINE AND AUTOMATIC CONTROL THEREFOR
William A. Robinson, Oakland City, Ind., assignor of fifty-one per cent to Lewis C. Nicholson and John O. Rosebaum, both of Indianapolis, and William W. Rogers and Byron C. Van Hook, both of Princeton, and William H. Baugh, Terre Haute, Ind.
Application July 28, 1932, Serial No. 625,338
1 Claim. (Cl. 123—198)

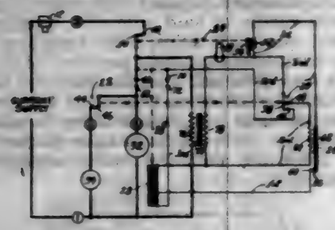


In combination with an engine having a shaft operable thereby, a fuel intake, a valve therefor, a speed control operable by said shaft, and an ignition system operable by said shaft, of a control mechanism operable by said shaft, means connecting said mechanism to the speed control, ignition system and valve, and means released by said mechanism after predetermined amount of prime mover operation to cut off the fuel supply and the ignition supply to the engine upon the elapse of a predetermined period following initiation of the mechanism for automatic control of the engine.

2,030,940
MOTOR FUEL PRODUCTS
Thomas H. Rogers and Vanderveer Voorhees, Hammond, Ind., assignors, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 25, 1934, Serial No. 732,388
8 Claims. (Cl. 44—9)

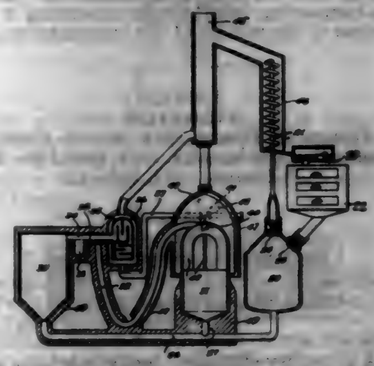
1. A motor fuel comprising unsaturated hydrocarbons which normally tend to deteriorate upon storage by gum formation, and stabilized against such gum formation by having incorporated therein a small amount of a gum inhibitor selected from the group consisting of an aromatic amino azo compound and an aromatic hydroxy azo compound, said amount being sufficient substantially to retard such deterioration.

2,030,941
ELECTRIC CONTROL APPARATUS FOR FUEL BURNERS
Abraham L. Rabel, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Original application August 15, 1932, Serial No. 628,383. Divided and this application December 31, 1934, Serial No. 759,964
2 Claims. (Cl. 158—28)



1. In combination with an electrically operated fuel burner, a control system comprising a relay having an actuating winding, a holding winding and holding contacts operable when the actuating winding is energized to close the burner circuit to initiate operation, a room thermostat controlling energization of said relay, a thermal time limit cut out switch controlling said system and including a resistance heater, a warp switch having a warp element, a heater and contacts which are closed when said element is cold and open when said element is heated, combustion responsive means having first and second contacts closed in the presence of combustion, a first circuit including in series said room thermostat, said cut out switch heater, said contacts of said warp switch and said actuating winding, a second circuit shunting said cut out switch heater, said contacts of said warp switch and said relay and including in series the first contacts of said combustion switching means and the heater for said warp element and a third circuit in parallel with the heater for said warp element and including in series said second contacts of the combustion responsive switching means, said holding contacts and said holding winding, said warp element moving slowly when cooling due to de-energization of its heater caused by combustion failure opening said first set of contacts of said combustion switching means whereby a purging period is provided between the de-energization of said relay caused by combustion failure opening said second contacts of said combustion switch to stop operation of said burner and re-engagement of the contacts of said warp switch to re-initiate operation of the burner by re-establishing said first circuit.

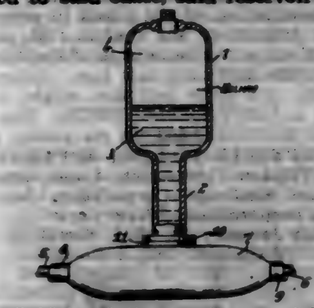
2,030,942
REFRIGERATION APPARATUS
Truman S. Safford, Harrison, N. Y.
Application May 20, 1932, Serial No. 612,468
18 Claims. (Cl. 62—115)



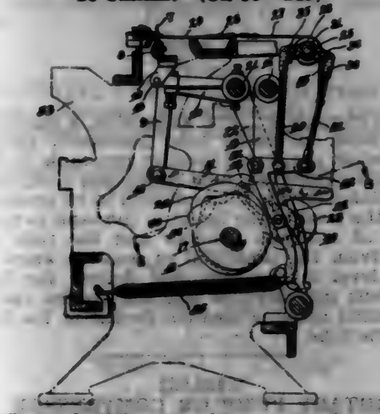
1. A refrigerator comprising a compressor which includes a U-shaped housing forming a compression chamber, an expansion chamber, a measuring chamber, a vaporizer, and superheater, a vaporizable liquid piston, a syphon adapted to feed liquid from the measuring chamber to the vaporizer, a surface combustion heater for said vaporizer and superheater, a condenser at a level not lower than the expansion chamber connected to a part of said housing which is normally below the liquid level therein, a U-tube connecting the top of the expansion chamber to the top of the condenser with the bottom of the U at a level approximately that of the liquid therein at the end of the compression stroke, a vent from the top of the condenser to the compression chamber, a thermostat near the top of the condenser for controlling the supply of fuel to said heater, and a sealing liquid separating the vaporizable liquid from the refrigerant in the compression chamber; a refrigerant compressor and an evaporator designed and related so as to provide a continuously descending path for liquid from the highest point of the condenser through the evaporator and back to the compressor; a stack into which the products of combustion from the heater pass, an air jacket around the condenser of said compressor and opening into the lower part of said stack, and an air jacket around said refrigerant condenser and opening into a lower part of said stack whereby waste heat from said compressor will create a draft to draw cooling air over said refrigerant condenser.

2,030,943
PRESSURE COMPENSATOR FOR OIL- OR COMPOUND-FILLED CABLES
Franz Schrettke, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application October 29, 1931, Serial No. 571,943
In Germany November 1, 1930
2 Claims. (Cl. 173—264)

1. In combination with a cable containing a fluid insulating medium which tends to absorb gases but in which helium is relatively insoluble, a pressure compensator comprising a reservoir connected to said cable, said reservoir containing said fluid insulating medium and helium in direct contact therewith.



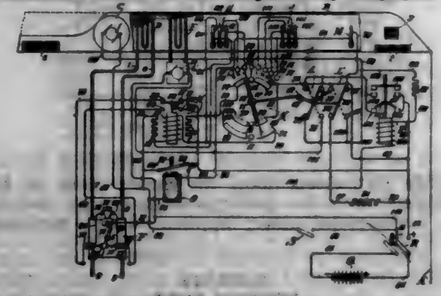
2,030,944
FABRIC TAKE-OFF MECHANISM FOR KNITTING MACHINES
Paul Schmidt, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application September 7, 1932, Serial No. 631,976
16 Claims. (Cl. 66—149)



1. In a knitting machine, a reciprocatively operated set of needles for producing a knitted fabric, tension take-off means for the fabric, and means for controlling the movement of said take-off means to compensate for the reciprocating movement of the needles, comprising overrunning clutch structure actuated in accordance with movement of the needles, said structure acting as a clutch on said take-off means to relieve tension on the fabric in one direction of movement of the take-off means and exerting a braking action on the take-off means in the opposite direction of movement thereof.

2,030,945
CONTROL SWITCH MECHANISM
William M. Smith, Chicago, Paul B. Parks, Oak Park, and Edward A. Russell, Chicago, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York
Application February 26, 1934, Serial No. 713,902
9 Claims. (Cl. 236—1)

2. Means for regulating the temperature within an enclosure comprising in combination with a heating means, a cooling means, and electrically operated mechanism for controlling the heating or cooling means to automatically maintain any one of a plurality of predetermined temperatures within the enclosure, a manually operable selector device comprising a control member rotatable in either direction from a central neutral position, bridging contacts carried by the control member, and two groups of fixed contacts positioned so as to be respectively engaged by



the bridging contacts as the control member is swung to one side or the other of its neutral position, the bridging of selected contacts in one group serving to energize and control the heating means, and the bridging of selected contacts in the other group serving to energize and control the cooling means.

2,030,946
MANUFACTURE OF FIBER PRODUCTS
Daniel Manson Sutherland, Jr., Morrisville, Pa.
No Drawing. Application October 31, 1930, Serial No. 492,622. Renewed August 11, 1934
2 Claims. (Cl. 92—29)

1. An improvement in the reuse of white water in processing wet fiber stock, whose water content exceeds that of the formed fiber product, in a closed system or cycle; which improvement comprises reducing the water content of the wet stock entering the closed system to equal that of the formed fiber product leaving said closed system, and adding the white water to this stock to prepare the same for use in the forming machine of the system.

2,030,947
BRAID
William S. Titcomb, Andover, Mass., assignor to Shoe Lace Company, Boston, Mass., a corporation of Maine
Application December 1, 1933, Serial No. 700,408
4 Claims. (Cl. 36—25)

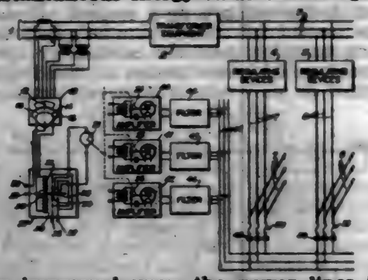


1. A braided shoe lace composed of two sets of fibrous threads, one of said sets of threads including dull, rough threads and the other set including smooth, lustrous threads.

2,030,948
CONTROL CIRCUIT
John L. Wesley, East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application March 8, 1934, Serial No. 714,839
7 Claims. (Cl. 179—3.5)

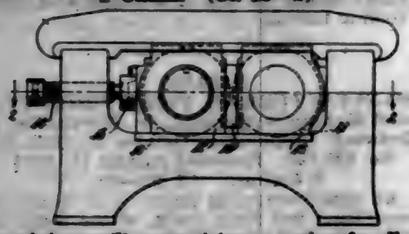
3. The method of transmitting signalling electrical energy over a commercial electrical power

distribution network which comprises adjusting the instantaneous energy value of the signalling



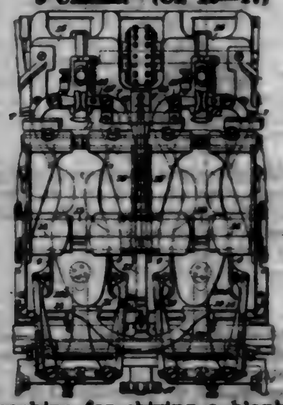
energy impressed upon the power lines in accordance with the instantaneous energy level of the commercial power applied to said network.

2,030,949
MIXING MILL
Douglas L. White, Watertown, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application December 19, 1934, Serial No. 758,321
1 Claim. (Cl. 18—3)



A mixing mill comprising a pair of rolls, an adjusting screw therefor, a shear member between the adjusting screw and the trunnion of the adjacent roll, and a resilient member of rubber composition mounted under compression operatively between the trunnions of the rolls.

2,030,950
SKIVING MACHINE
Ernest Albert Williams, Cincinnati, and Adolph Ferdinand Berger, Columbus, Ohio, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 30, 1934, Serial No. 731,500
9 Claims. (Cl. 12—17)



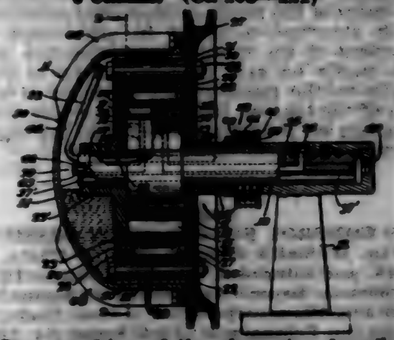
1. A machine for skiving a blank having, in combination, a pair of rolls one of which is a matrix roll, a knife located behind the bite of the rolls considered in the direction in which the rolls feed the blank, and an end gage for facilitating presentation of the blank in proper position with respect to the matrix roll, said gage being located on the same side of the bite of the rolls as is the knife.

2,030,951
RECEPTACLE FILLING APPARATUS
Lewis B. Winton, Greenwich, Conn., assignor to American Sealcone Corporation, New York, N. Y., a corporation of New York
Application January 19, 1934, Serial No. 707,276
16 Claims. (Cl. 226—102)



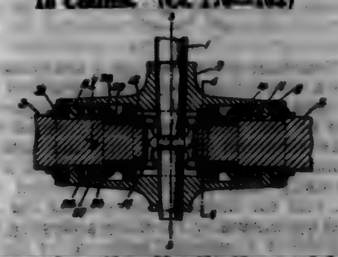
1. In receptacle filling apparatus, a liquid carrying tank, an outlet tube positioned with its inlet below the liquid level in the tank, a valve normally closing the tube outlet, and a cup member slidable on the tube adapted to be positioned below the level of the liquid in the tank to permit filling of said cup member and the tube with liquid from the tank and to position above the liquid level in the tank and deliver the liquid therefrom into the tube and actuate the valve to tube outlet opening position to deliver the liquid from the tube.

2,030,953
ROTARY PUMP OR COMPRESSOR
William W. Wishart, Chicago, Ill., assignor of one-half to Automotive Maintenance Machinery Co., Chicago, Ill., a corporation of Illinois
Application February 14, 1934, Serial No. 711,006
6 Claims. (Cl. 103—121)



1. In a machine of the character described, a shaft support, a stator assembly and a roter assembly, one of said assemblies comprising a shaft having one end mounted in said support and its other end unsupported, a cylindrical piston member carried by said shaft, a surrounding annular cylinder member arranged for line contact with said piston member to leave a working space therebetween, and a partition constantly connecting said members and permitting oscillation of said cylinder member with respect to said piston member; and the other assembly comprising side plates coacting with the ends of the piston and cylinder members and a peripheral portion having an internal camming surface for progressively oscillating said cylinder member during relative rotation of the two assemblies, an external portion of such assembly overlying the unsupported end of said shaft being removable and containing a chamber in which a portion of said shaft is exposed; said shaft having an inlet passage and an outlet passage therein, each extending to and accessible at the supported end-portion of the shaft, said inlet passage opening at its other end to the working space near one side of the partition, and said outlet passage comprising two portions, one of which opens from the working space near the other side of said partition through the chamber-exposed portion of said shaft and the other of which extends from said chamber to the supported end-portion of said shaft; and a check valve mounted on said shaft in position to be exposed for service access upon removal of said removable portion of the aforesaid other assembly, said valve controlling the first mentioned portion of said outlet passage.

2,030,961
AUTOMATIC VARIABLE PITCH PROPELLER
Blaine B. Gemeny, Washington, D. C., assignor of one-third to Earle D. Crammond, Washington, D. C.
Application February 14, 1934, Serial No. 711,345
18 Claims. (Cl. 170—163)



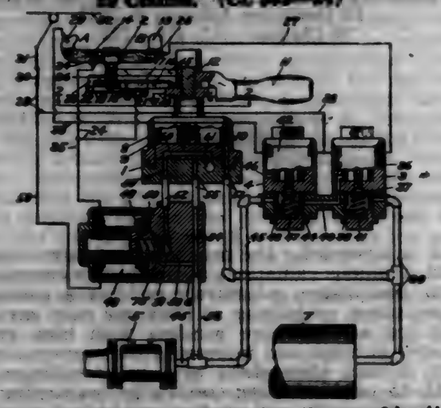
1. In an automatic self-adjusting variable pitch propeller having a hub portion, and a plurality of blades having shanks mounted for turning movement in the hub for variation of the pitch of the propeller, weight lever means connecting relatively opposite sides of different blades for balancing out centrifugal forces tending to turn the blades in the hub when the propeller is operated, and means cooperating with the blades controlling the pitch of the propeller in relation to the air forces acting thereon when the propeller is operated.

2,030,964
BROOM AND METHOD OF MAKING SAME
Walter H. Zachry, Atlanta, Ga.
Original application July 14, 1933, Serial No. 681,122. Divided and this application August 20, 1934, Serial No. 740,456
11 Claims. (Cl. 300—21)

1. In a separable head and handle structure for brooms, mops and the like, a lineally split socket of soft flexible metal and tapering to reduced diameter at one end, a length of wire having a portion helically wound about said socket to provide and maintain threads in said socket, work-engaging material disposed about said socket and aforementioned wire portion and secured thereto by windings of the remainder of said wire whereby to provide a head about said socket, a handle having a threaded end adapted to be screwed into said socket, the threads at the ends of said threaded handle portion being relatively raised as compared with adjacent threads whereby to assure of an especially tight fit with the interengaging socket threads so as to firmly connect the handle and socket, said socket thread-providing and head-forming portions of said wire cooperating with one another in tending to maintain said split socket from spreading from internal pressure of the handle.



2,030,965
BRAKE SYSTEM
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 20, 1934, Serial No. 735,189
19 Claims. (Cl. 303—24)

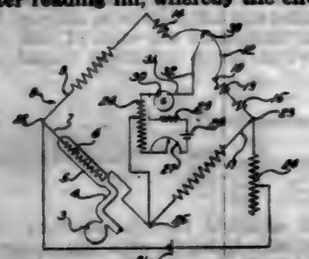


1. In a fluid pressure brake, the combination with a brake cylinder, of means operative electrically for supplying fluid under pressure to the brake cylinder, manually operable means controlling a communication through which fluid under pressure is supplied to the brake cylinder and for effecting the operation of said electrically controlled means, and means effective upon energization of said electrically controlled means to cut off the flow of fluid under pressure through said communication.

2,030,966
MEASURING APPARATUS
Virgil B. Barker, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 23, 1929, Serial No. 395,053
11 Claims. (Cl. 73—31)

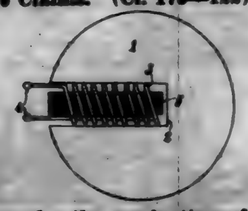
7. Apparatus of the kind described, comprising a Wheatstone bridge, one arm thereof having a different temperature coefficient of resistance from the other arms, the resistances of the arms of the bridge being selected to effect a normal proportional unbalance relative to the thermal characteristics of the first named arm, said first named arm being adapted to be subjected to a fluid to be measured, a potentiometer in circuit

with the bridge galvanometer for varying and equalizing the normal potential difference between each side of the bridge to render the galvanometer reading nil, whereby the effect of any



variation in the impressed bridge voltage is neutralized and changes in the resistance of the first arm due to variation in the fluid measured may be directly read on the galvanometer.

2,036,957
ELECTROMAGNETIC APPARATUS
Joseph Bethenod, Paris, and André Claude, Nanterre, France, assignors to Société Anonyme pour les Applications de l'Electricité & des Gaz Rares Etablissements Claude-Paz & Silva, a corporation of France
Application December 29, 1933, Serial No. 704,558
In Germany January 9, 1933
10 Claims. (Cl. 176—122)



1. A process for the production of ultra-violet and luminous radiations of adjustable composition, comprising inductively exciting a gaseous atmosphere containing at least one rare gas by exciting an inductive winding with high frequency current, and increasing the current density in said atmosphere to a value sufficiently high to produce spark spectra by positioning a magnetic core in said winding and in said atmosphere.

2,036,958
PROCESS FOR PREPARING CALCIUM SALTS OF SUBSTITUTED QUINOLINE CARBOXYLIC ACIDS
Philip J. Breivogel, Glen Ridge, N. J.
No Drawing. Application May 17, 1932, Serial No. 611,937
12 Claims. (Cl. 260—33)

1. The process for preparing the calcium salt of a 2-phenyl quinoline 4-carboxylic acid which comprises dissolving a 2-phenyl quinoline 4-carboxylic acid in an aqueous alkaline solution containing an excess of alkali, neutralizing the excess alkali, and adding a soluble calcium salt.

2,036,959
KNITTED MITTEN AND METHOD OF MAKING THE SAME
William C. Buckholz, Ballston Spa, N. Y., assignor to Ackuhand Knitting Co., Inc., Ballston Spa, N. Y.
Application September 3, 1935, Serial No. 39,935
3 Claims. (Cl. 66—174)

2. A seamless tubular knit mitten having a hand portion and a tip portion both of plain stitch knitting, the tip portion having substantially half as many wales or longitudinal rows



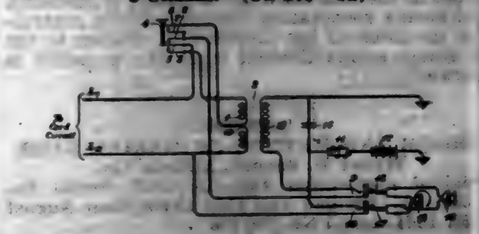
of stitches as the hand portion and there being the same number of wales or longitudinal rows of stitches at all parts of said tip portion.

2,036,960
SELF-LOCKING BRACKET
Fred J. Burns, Saginaw, Mich., assignor to The Columbia Mills, Inc., Saginaw, Mich., a corporation of New York
Application July 22, 1935, Serial No. 32,487
5 Claims. (Cl. 156—17)



1. A Venetian blind having a stationary head rail and a pair of spaced apart brackets secured thereto and adapted to revolubly support a tilt rail, one of said brackets being formed with an angularly disposed slotted opening adapted to accommodate the pintle of the tilt rail, a locking dog pivotally and pendently mounted on said bracket, and an inwardly extending leg on said dog, said leg normally forming a closure for said slot to prevent accidental removal of the pintle.

2,036,961
OPERATOR'S TELEPHONE CIRCUIT
Herman T. Carter, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application April 11, 1934, Serial No. 721,510
4 Claims. (Cl. 179—81)



1. In an operator's telephone circuit arranged to prevent the picking up of room noise during the time when an operator is merely listening upon a telephone connection, the combination with a transmitter of a receiver, an induction coil having a primary winding and a secondary winding, a source of potential connected to said transmitter and primary winding forming a transmitter circuit, conductors leading to an external circuit and a key-switch to effectively disconnect the secondary winding of said coil from said conductors thereby disconnecting the transmitter circuit from said conductors and connecting said receiver across said conductors.

2,036,962
MOISTUREPROOF MATERIAL AND METHOD OF MAKING SAME
William Hale Church, Buffalo, and William L. Hyden and John C. Siemann, Kenmore, N. Y., assignors to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 5, 1932, Serial No. 627,499
42 Claims. (Cl. 91—68)

1. In a method of moistureproofing, the steps which comprise coating sheets or films formed of a cellulosic substance having a smooth, dense and non-porous surface with a composition consisting essentially of a drying oil, drying said coating, and applying a moistureproofing composition directly on the first coating.

2,036,963
DISCHARGE TUBE
André Claude, Nanterre, France, assignor to Société Anonyme pour les Applications de l'Electricité et des Gaz Rares Etablissements Claude-Paz & Silva, Paris, France, a corporation of France
No Drawing. Application April 3, 1934, Serial No. 718,935. In France April 8, 1933
8 Claims. (Cl. 176—122)

1. The method of manufacturing gas filled electric luminous discharge tubes and the like having their inner surface provided, by the intermediary of a volatilizable cementing agent, with a layer of luminescent or phosphorescent substance, comprising applying the cementing agent in an extremely thin and uniform layer on said surface by wiping with a plug of elastic absorbent material impregnated with the cementing agent, depositing the luminescent or phosphorescent substance in a thin film on the wiped surface, and eliminating the cementing agent.

2,036,964
EGG PRODUCT AND EMULSIFIER THEREFOR
Forest H. Clickner, Chicago, Ill., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 16, 1934, Serial No. 720,589
5 Claims. (Cl. 99—11)

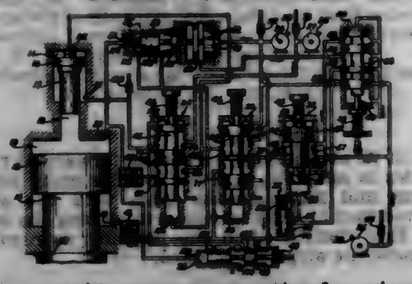
1. A new composition of matter, comprising whole egg material to which has been added whey powder substantially free of lipoid.

3. A method comprising adding to whole egg material sufficient whey powder substantially free of lipoid to render the white portion of said egg material substantially equivalent in emulsifying power to the yolk portion thereof.

2,036,965
EMULSIFIER
Forest H. Clickner, Chicago, Ill., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 13, 1935, Serial No. 21,192
6 Claims. (Cl. 167—81)

1. An emulsifier for oil-water systems, comprising whey powder substantially free of lipoid.

2,036,966
VARIABLE PRESSURE APPARATUS
Edward J. Crane, Oak Park, Ill., and Daniel V. Waters, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1933, Serial No. 649,354
5 Claims. (Cl. 60—52)



1. A variable pressure apparatus for actuating a pressure element comprising a pair of cylinders of different diameters having a passage interconnecting the same, pistons reciprocable in the cylinders, the piston of largest diameter carrying a pressure element, the piston of smallest diameter carrying a plunger reciprocable in the interconnecting passage, a liquid pressure transmission system connected to both ends of each of the cylinders and the interconnecting passage for introducing liquid pressure thereinto to actuate and return each of the pistons comprising a manually operable valve for controlling the system, and a system of liquid pressure controlled valves operated sequentially in response to an actuation of the manually operable valve to direct the pressure to actuate the pressure element piston, build up a predetermined pressure behind the element, actuating the plunger piston to further increase the pressure behind the element, and then directing the pressure liquid for returning the pistons to their starting positions, said pressure system comprising a large capacity pump and a small capacity pump, said pressure controlled valves being normally in position to direct liquid from said small capacity pump for holding said plunger piston in retracted position, said pressure piston being held in retracted position by a minimum pressure valve and during the operating stroke liquid from the large capacity pump being directed first to the operating face of the pressure piston and subsequently solely to the plunger piston.

5. In a fluid pressure apparatus, a work cylinder and piston, a source of fluid pressure, a valve normally spring held to direct fluid from said source to one side of said piston to operate the piston to its non-working position, means to move said valve to direct fluid to the other side of said piston comprising a manual valve operable to direct fluid pressure to move said first valve against said spring, and an auxiliary source of fluid pressure effective to maintain said first valve in operated position after said manual valve is returned to normal.

2,036,967
AIRCRAFT
James Heron Cressman, 3d, Haverford, Pa., assignor to The Air Drill Corporation, Philadelphia, Pa., a corporation of Delaware
Application February 28, 1935, Serial No. 8,748
3 Claims. (Cl. 170—159)

1. The combination of a propeller for airplanes, a vertical section of a hollow cone having its base

secured to the front face of the hub of said propeller with one of its section lines extending forward at right angle to said face, a second similar vertical section of a hollow cone also having its base secured to the front face of the propeller hub with



one of its section lines extending forward at right angles to said face, said two sections being joined along said right angular lines with the outer curved face of each section constituting the leading face thereof when the propeller is revolved to move the airplane forward.

2,030,965

EYEGLASS LENS

Edward Culver and Alfred Henry Emerson, London, England, assignors to United Kingdom Optical Company, Limited, London, England

Application October 9, 1934, Serial No. 747,576

In Great Britain June 27, 1934

9 Claims. (Cl. 88—54)



1. A lenticular ophthalmic lens comprising a body portion having a non-visual border portion, and a plurality of visual portions of substantially the same focal power, said visual portions comprising a central field and lateral fields abutting said central field on the opposite sides thereof.

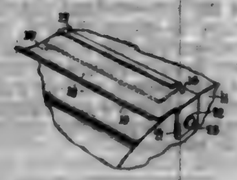
2,030,969

SCRAPER BLADE

John K. Cushman, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware

Application June 17, 1933, Serial No. 677,097

14 Claims. (Cl. 259—129)



1. The combination of, a carrier element; a scraper blade comprising a flat portion and a leading portion angularly disposed to the flat portion, said flat portion being bent at each end to form ears on the blade; a channel-shaped member on the carrier and cooperating with the rear edge of said flat portion throughout the length thereof to sustain the blade; and means for releasably securing said ears to said carrier.

2,030,970

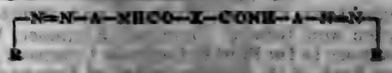
AZO DYES AND METHODS FOR THEIR PRODUCTION

Miles Augustinus Dahlen, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington Del., a corporation of Delaware

No Drawing. Application January 8, 1933, Serial No. 650,506

14 Claims. (Cl. 260—77)

8. Water-insoluble azo dyes having the following general formula:



wherein R represents the radical of an ice color coupling component, A represents a para-arylene nucleus free from water-solubilizing groups, and X represents an arylene nucleus free from water-solubilizing groups.

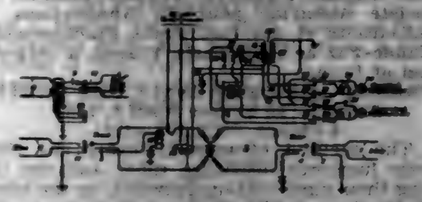
2,030,971

OPERATOR'S TELEPHONE CIRCUIT

Eginhard Dietze, Westfield, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application April 21, 1934, Serial No. 721,889

5 Claims. (Cl. 179—51)



1. An operator's telephone circuit adapted to have connected thereto an operator's telephone set and a supervisor's telephone set, both sets being substantially identical in their electrical characteristics, the said telephone circuit including means for connecting said sets to said circuit, the circuit being so arranged that the connection thereto of one of said telephone sets will introduce substantially no receiving loss in the other telephone set connected to the said circuit.

2,030,972

APPARATUS FOR THE PRODUCTION OF ARTIFICIAL FILAMENTS AND LIKE MATERIALS

Henry Dreyfus, London, England

Application May 3, 1933, Serial No. 668,826

In Great Britain May 13, 1932

4 Claims. (Cl. 18—8)



1. A spinning jet for the production of artificial filaments, yarns, threads or the like, said jet having a face of thin metal provided on the inside of said face and integral therewith, over areas not occupied by spinning orifices with lines of increased thickness adapted to reinforce said face, the outer face of said jet being left smooth to facilitate jet wiping.

2,030,973

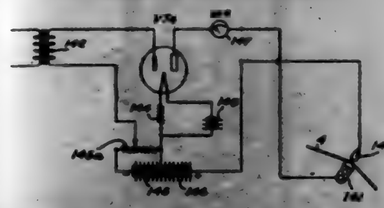
METHOD OF AND APPARATUS FOR ELECTRICALLY RECORDING AND REPRODUCING SOUND OR OTHER VIBRATIONS

Merle Dunton, Detroit, Mich.

Application August 18, 1931, Serial No. 556,743

Renewed August 2, 1934

21 Claims. (Cl. 179—100.1)



1. Apparatus for recording electrical impulses, which comprises, in combination, a movable tape carrying a substance adapted to react to the passage of an electric current therethrough, a thermionic valve or valves, means for applying varying voltages to the thermionic valve or valves, means coacting with the movable tape for impressing the resultant varying electrical output of the thermionic valve or valves thereon, said means comprising electrodes, one of which is a thin blade disposed transversely of the tape, and means for moving said tape, whereby successive lines are produced on the tape transversely thereof, each line being produced by a single electrical pulsation.

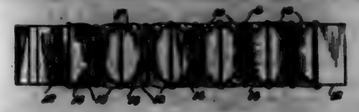
2,030,974

BRACELET, OR THE LIKE, STRUCTURES

Raymond Everitt, Toronto, Ontario, Canada

Application December 8, 1934, Serial No. 756,694

6 Claims. (Cl. 63—8)



1. The combination in an article of the class described, of a frame composed of co-extensive zig-zag wires placed together to compose a succession of diamond shaped spaces, and discs bent to fit in adjacent diamond spaces thereof and having their bent portions overlying the wire frame.

2,030,975

MIXTURE MEASURER

Edwin Bradley Fairchild, New York, N. Y.

Application June 10, 1933, Serial No. 675,224

2 Claims. (Cl. 73—63)



1. In a device of the kind described, a main open topped container, a secondary container having an open top and fixed to the main container at substantially right angles thereto and with its open end projecting over the edge of the main container, and a handle on the main container beneath the auxiliary container and having a flat back bar constituting a support to hold said containers with the auxiliary container substantially vertical.

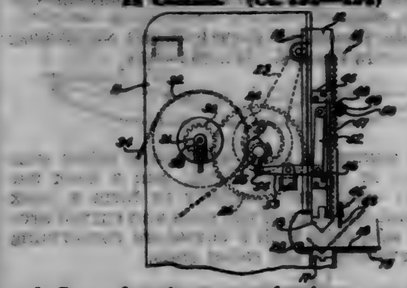
2,030,976

SAFETY GUARD AND CONTROL SYSTEM

Walter B. Fairfield, La Grange, and Ralph Jungclyk, Hinsdale, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application March 18, 1932, Serial No. 599,044

14 Claims. (Cl. 192—134)



1. In a forming press having a reciprocable forming member and operating means therefor, a movable guard, and means for moving the guard in timed relation with the movement of said forming member for covering the danger zone of the press during a movement of the forming member in one direction, said means operating to effect a return movement of the guard during a predetermined final portion of said movement of the forming member.

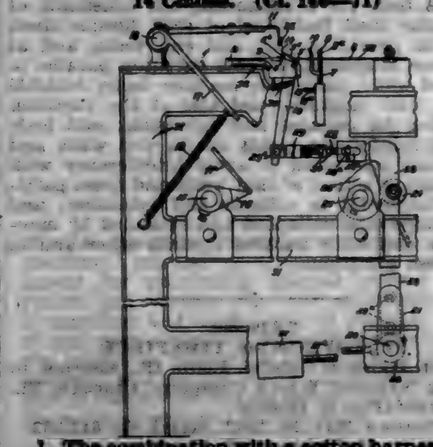
2,030,977

MAIL EYE CLINCHING DEVICE AND METHOD OF FORMING COTTON HARNESS HAVING METAL EYES

Samuel B. Floyd, Atlanta, Ga., assignor to Atlanta Harness and Reed Manufacturing Company, Atlanta, Ga., a corporation of Georgia

Application August 9, 1932, Serial No. 628,107

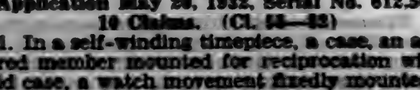
14 Claims. (Cl. 140—71)



1. The combination with a cotton harness making machine, of a mail eye clinching device including a slotted needle on which the eyes are adapted to be stacked, an anvil, a clinching lever adapted to co-operate with the anvil for clinching the eyes, a holder alined with the needle adapted to guide the eyes over the clinching lever and support them in clinching position, a clamping wedge adapted to co-operate with the holder

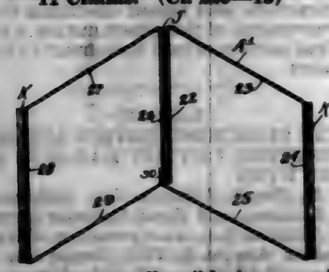
in locking the eyes in clinching position, a fork actuated from the machine adapted to operate through the slot in the needle for feeding the eyes over the holder to clinching position and for removing the clinched eyes from clinching position, and means operated from the machine for actuating the clinching lever.

2,030,978
BUMPER
Byron F. Fortier and Fredrick A. Miller, Springfield, Ohio, assignors to Louis R. Hildreth, Columbus, Ohio
Application December 4, 1931, Serial No. 579,082
16 Claims. (Cl. 293—55)



1. In a bumper, a front bar having rolled ends and a slot in each rolled end, and a back bar having its ends bent reversely to form a hook bent around one edge of the slots and curved arcuately at said ends with a curvature conforming to the curvature of the rolled ends.

2,030,979
EGG BOX
Collins F. Fuller, Chicago, Ill.
Application July 11, 1935, Serial No. 30,514
11 Claims. (Cl. 229—15)



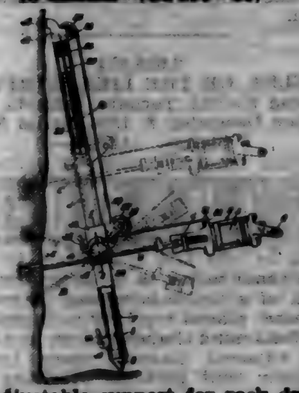
10. A body for a collapsible box consisting of a tubular shell fashioned of stiff, fibrous sheet material providing side and end walls, and at least one intermediate cross partition parallel to the end walls; said body member being foldable at the wall junctures and also at the partition junctures for collapse and extension; said body having reinforcing cleats on its end walls and partitions positioned to avoid interference with the hinging action of said walls and cross partitions incidental to collapse and extension; and said body being collapsed and extended by moving the end walls parallel to each other and to the cross partitions.

2,030,980
SELF-WINDING TIMEPIECE
William Atkinson Gabriel, Elgin, Ill., assignor to Elgin National Watch Company, Chicago, Ill., a corporation of Illinois
Application May 20, 1932, Serial No. 612,565
10 Claims. (Cl. 58—32)

1. In a self-winding timepiece, a case, an apertured member mounted for reciprocation within said case, a watch movement fixedly mounted on the case and disposed within the aperture in said member, the dimensions of said watch movement being less than the dimensions of the aperture in said member, a cut-out portion in the side of said member, a manual winding stem extending through said cut-out portion whereby to permit the reciprocation of said member, and means operated upon the reciprocation of said member for automatically winding the watch.



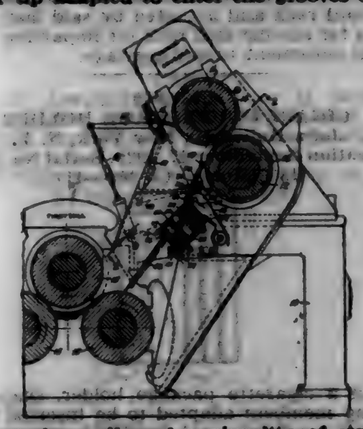
2,030,981
ROCK DRILL
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 20, 1933, Serial No. 671,496
13 Claims. (Cl. 255—63)



2. An adjustable support for rock drills comprising an upstanding column having abutment engaging supports at its opposite ends, a drill guide mounted on said column for adjustment longitudinally therealong and on which a rock drill is adapted to be guided for bodily movement relative to the guide, and drill counterbalancing means associated with said column and drill guide and connected to the rock drill for counterbalancing the weight of the rock drill irrespective of its bodily guided position with respect to said guide and column, said counterbalancing means including a counterbalancing weight guided by said column longitudinally of the latter and connections between said weight and the rock drill.

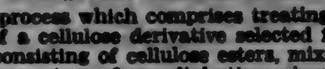
2,030,982
TRAMP IRON COLLECTOR
Ernest Grossenbacher, Fajardo, Puerto Rico
Application August 15, 1934, Serial No. 740,035
9 Claims. (Cl. 209—215)

1. In combination with a cane crushing apparatus having a pair of rolls provided with peripheral grooves and a mill, a tramp iron collector comprising an electromagnetic device positioned at a point between the crusher rolls and the mill, a non-magnetic cover plate for said device having a plurality of recesses, inserts of a magnetic material positioned within said recesses in said cover plate, a scraper plate having a scraper tip adapted to enter the grooves of the



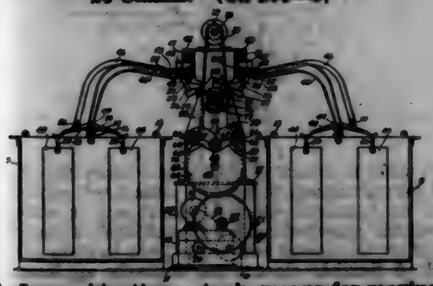
lower crusher roll, and a plurality of strips of magnetic material upon said scraper plate forming extensions of the inserts of magnetic material over the non-magnetic cover plate of the electromagnetic device.

2,030,983
TREATMENT OF FILMS AND FOILS OF ORGANIC CELLULOSE ESTERS
Max Hagedorn, Dessau in Anhalt, and Paul Müller, Dessau-Ziebigk, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application October 3, 1932, Serial No. 636,974
In Germany October 5, 1931
14 Claims. (Cl. 18—57)



1. A process which comprises treating a sheet made of a cellulose derivative selected from the group consisting of cellulose esters, mixed esters and ether-esters of an aliphatic carboxylic acid having up to 5 carbon atoms and containing a softening agent with a solution of a hydroxide selected from the group consisting of alkali metal hydroxides and ammonium hydroxide in a liquid which has a swelling action on the film forming colloid, and removing from the sheet the treating liquid by means of liquid which has no solvent action on the softening agent.

2,030,984
AUTOMATIC ELECTROPLATING MACHINE
Albert H. Hannon, Springfield, Ohio
Application March 7, 1933, Serial No. 659,933
26 Claims. (Cl. 204—5)



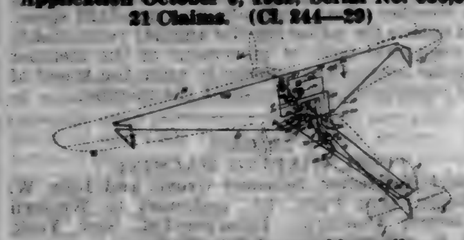
1. In combination, a tank, means for moving a plurality of suspended articles to and from the tank, means for quickly lowering and raising said articles with respect to said tank, and means acting on the lowering and raising means for intermittently moving said articles vertically while in the tank.

2,030,985
METHOD FOR PRODUCING ARTIFICIAL SILK
August Hartmann and Gotthard Bauriedel, Barmen, Germany, assignors to American Bemberg Corporation, New York, N. Y.
Original application October 30, 1926, Serial No. 145,150. Divided and this application August 5, 1931, Serial No. 555,396. In Germany November 2, 1925
2 Claims. (Cl. 18—54)



1. The herein described method of producing artificial silk, which consists in passing cuprammonium cellulose solutions in the form of filaments through a flowing coagulating bath while stretching the same, thereafter acidifying the filaments thus produced while subjecting them to a further stretching, and twisting the same into a spinning centrifuge.

2,030,986
AUTOMATIC AIRPLANE PILOT
Clinton H. Havill, South Orange, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application October 6, 1932, Serial No. 636,695
21 Claims. (Cl. 244—79)



4. In an airplane having rudder, aileron and elevator members, automatic controls for the members, manual controls for the members, means for preventing manual control of the rudder and elevator when the automatic control is operative and in the neutral position, and all of said manual controls being interconnected with the automatic controls in a manner to be moved thereby, said means being automatically operable to render the manual control operative when the automatic control is inoperative.

2,030,987
OSCILLATION CONTROL DEVICE
Alfred Herskmann, New York, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 29, 1933, Serial No. 687,261
7 Claims. (Cl. 179—81)

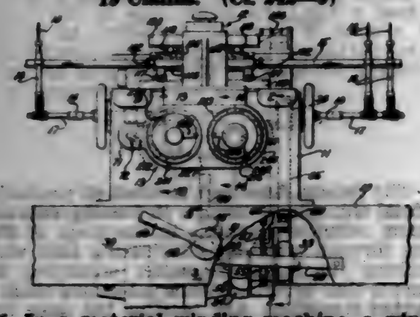
1. In an amplifying circuit, the combination with an amplifier having input and output cir-

cuits effectively coupled so that oscillations will be set up whenever the loss through the feedback path is less than the gain of the amplifier and a non-linear variable impedance device connected



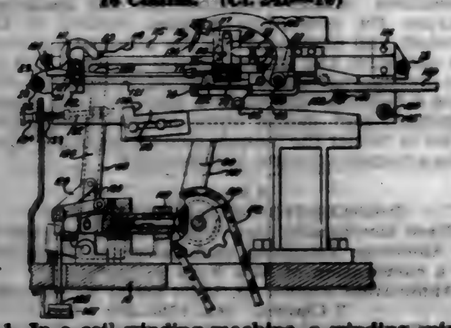
across the output of the feedback path to effectively increase the loss through said path whenever the voltage increases across the said device thereby preventing the continuance of said oscillations.

2,030,263
COIL WINDING MACHINE
Robert Hefstetter, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 16, 1931, Serial No. 580,183
19 Claims. (Cl. 242—9)



1. In a material winding machine, a winding spindle, means for rotating said spindle to wind material thereon, means for distributing the material upon said spindle, said last mentioned means comprising a movable member constrained to travel along a path which is so related to the axis of the spindle that a component movement of the member is in a direction longitudinally of said spindle and means for moving the member along said path at a constant speed, and means for adjusting the angular relationship between said path of movement of the member and the axis of the spindle to alter the speed of said component movement of the member.

2,030,269
COIL WINDING MACHINE
Robert Hafstetter, Downers Grove, and John W. Sager, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 16, 1931, Serial No. 580,184
16 Claims. (Cl. 242—10)



1. In a coil winding machine, a winding spindle, feeding rolls for feeding material to said winding spindle, reciprocating members for feeding material to said feeding rolls, a carriage for supporting said reciprocating members, a rack fixed to said carriage, means for actuating said reciprocating members, and means associated with said rack and actuated by said last named means for moving said rack for imparting a horizontal movement to said carriage.

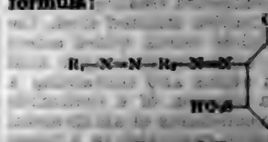
2,030,290
CIGARETTE PACKAGE HOLDER
John Heitzman, New York, N. Y.
Application September 27, 1929, Serial No. 395,546
13 Claims. (Cl. 206—41)



1. In a cigarette package holder, spaced depending members adapted to be inserted into a cigarette package, said holder being provided with an opening at the upper end thereof, movable spring-pressed means for normally closing said opening, and a collapsible spring member on and integral at one end with said holder for exerting pressure on the cigarettes in said package to urge the cigarettes towards said opening.

2,030,291
AZO DYES AND METHODS FOR THEIR PREPARATION
Henry Jordan, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 25, 1932, Serial No. 619,719
6 Claims. (Cl. 260—94)

4. Difficultly soluble azo dyes having, when in the form of their free acid, the following general formula:



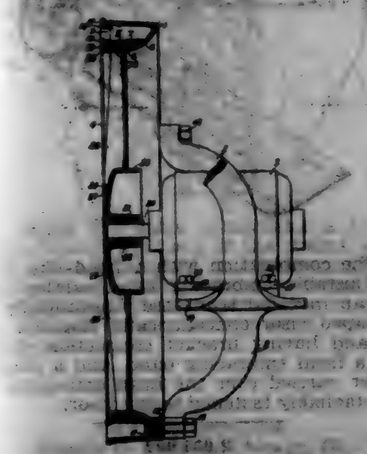
wherein R_1, R_2 and R_3 represent residues of the benzene series which are free from solubilizing groups.

2,030,292
FLEXIBLE CLOSURE FOR CONTAINERS AND THE LIKE
Joseph F. Keller, New York, N. Y.
Application February 20, 1925, Serial No. 9,296
7 Claims. (Cl. 206—57)



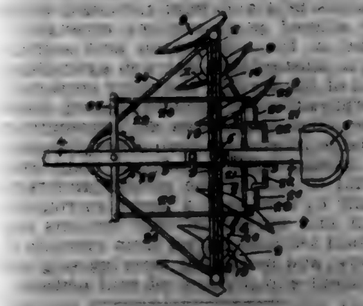
1. A flexible closure particularly applicable to relatively small containers such as cigarette cases and the like, comprising a plurality of trough-like units having unitary lips, the lips of one unit being bent over to engage an adjacent trough wall of a second unit whereby the units are interconnected for simultaneous movement and relative flexing.

2,030,293
FAN
Albert G. Langenkamp and Roy H. McElroy, Dayton, Ohio, assignors to International Engineering, Inc., Dayton, Ohio, a corporation of Ohio
Application August 27, 1934, Serial No. 741,552
8 Claims. (Cl. 170—163)



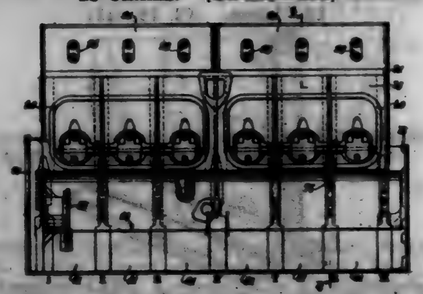
1. A fan unit comprising a multi-blade fan having an annular rim, and a supporting frame having an annular offset portion adapted to receive said rim, said offset portion having a reversely-directed groove, the inner surface of said supporting frame being substantially flush with the inner surface of said rim, said offset portion being adapted to reduce the backward flow of air around the tips of said blades.

2,030,294
CULTIVATOR
Henry Lisius, Havelock, N. Dak.
Application January 8, 1935, Serial No. 880
4 Claims. (Cl. 97—54)



1. A cultivator comprising a frame, a draw bar pivoted to the frame, cultivator gangs carried by the ends of the frame, a gear mounted on the draw bar, a flexible connection between the gear and the ends of the frame, and means for rocking the gear to advance one gang relative to the other gang.

2,030,295
WELDED STEEL ENGINE
Bruno Loeffler, Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a corporation of Delaware
Application November 27, 1934, Serial No. 754,942
12 Claims. (Cl. 123—195)



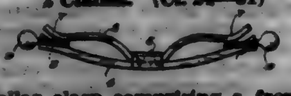
1. An internal combustion engine formed of a plurality of parts welded together including a cylinder block section and a crank case section, the cylinder block section having side and end walls, cylinders, a cylinder top plate having cylinder apertures therein, downwardly extending bosses on the top plate around the apertures, and bosses on the top plate at the sides thereof, said cylinders being welded to the first bosses and the side and end walls being welded to the last named bosses.

2,030,296
DISPLAY APPARATUS
Ruben B. Lustig, Kansas City, Mo.
Application November 16, 1933, Serial No. 698,230
2 Claims. (Cl. 206—78)



1. A bag display apparatus comprising a sheet of relatively stiff bendable material having a slit opposite edge portions of which are serrated, the teeth of one edge being interposed between the teeth of the other edge, and a bag having its open end portion inserted through said slit, the teeth of opposite edges of said slit being substantially alined with each other and holding said open end portion crinkled and tightly compressed.

2,030,297
COLLAR CLASP
Louis Madison, Brooklyn, N. Y.
Application April 16, 1935, Serial No. 16,667
2 Claims. (Cl. 24—81)



1. A collar clasp comprising a front member, clamps back of the front member adjacent the ends thereof and spaced therefrom to receive the front marginal portions of a collar, and screws threadedly engaging the end portions of said front member and positioned approximately lengthwise of the latter and adapted to press the front marginal portions of a collar against said clamps.

2,030,998
BUILDING CONSTRUCTION
William D. Mann, Highland Park, Ill.
Original application February 14, 1930, Serial No. 428,284. Divided and this application April 24, 1931, Serial No. 532,457. Renewed November 23, 1934
13 Claims. (Cl. 72—45)

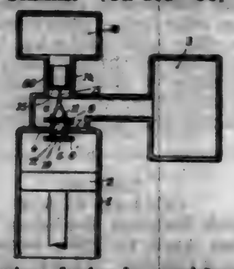


1. As an article of manufacture a composite preformed wall-block unit having a core, veneer finishing faces applied on the sides of said core, the said core having notches across its edges and holes through the body thereof, for permitting said veneer faces to be bonded together.

2,030,999
INK
Lawrence McLaughlin, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 10, 1929, Serial No. 398,731
1 Claim. (Cl. 134—68)

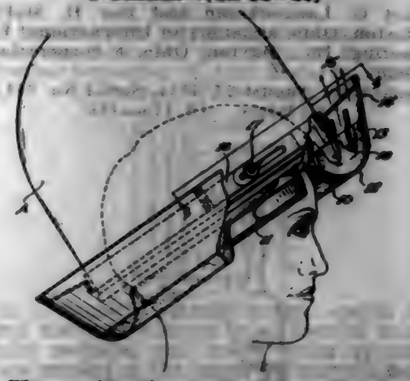
An ink adapted for use on vitreous surfaces, consisting of approximately three parts of finely divided cobalt oxide, one part of borax, and sufficient boiled linseed oil to form a suspension of the cobalt oxide and borax in the boiled linseed oil vehicle.

2,031,000
DAMPING DEVICE
Jean Mercier, Neuilly-sur-Seine, France
Application January 23, 1935, Serial No. 3,034
In Germany January 28, 1934
7 Claims. (Cl. 188—88)



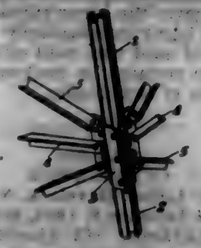
1. In a damping device in combination a container, fluid compressing means having two opposite walls adapted to be brought towards and away from each other, one of said walls separating said fluid compressing means from said container, a sliding member adapted to slide in said separating wall, a chamber containing a fluid at a constant pressure, a movable control member subject on one side to the pressure of said chamber and on the other side to the pressure of said container and connected on said other side with said sliding member, communicating means between said container and said fluid compressing means through said separating wall, and valve means operatively connected with said sliding member and adapted to open and to close said communicating means.

2,031,001
HAIR DRYING DEVICE
Anna Mont Moore, Lancaster, S. C.
Application May 13, 1935, Serial No. 21,641
5 Claims. (Cl. 34—96)



1. The combination with a hood-like drier of an adjustable embracing band carried by the drier, an inverted truncated substantially conical shaped visor concentrically disposed to the drier and having bracket connection with the band, a head embracing band, and a channeled member carried over the head embracing band and detachably fastened to the visor.

2,031,002
OIL FIELD DERRICK POST
Lee C. Moore, Tulsa, Okla.
Application February 2, 1934, Serial No. 711,272
1 Claim. (Cl. 189—19)



A derrick post and joint structure, comprising axially aligned posts sections arranged end to end, one on the other, each post section comprising a substantially flat web extending across the axis of the section, the outer portions of said web terminating in arcuate-shaped flanges on opposite sides of the web and circumferentially arranged in relation to each other, thereby forming a substantially cylindrical body extending from end to end of the section and reinforced internally by said web, a sleeve surrounding the adjacent end portion of said sections and into which said sections extend from opposite ends of the sleeve, and means for securing said sleeve to the adjacent end portions of said sections.

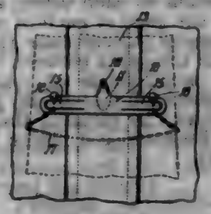
2,031,003
WIRE LINE DRILLING CLAMP
John E. Neptune, Rich Hill, Mo.
Application January 7, 1935, Serial No. 621
7 Claims. (Cl. 255—13)

1. A cable clamp of the character described comprising a pair of hingedly interconnected jaws; an endless chain carried by each jaw respectively in opposed relation to each other and adapted to grip the cable therebetween; means to releasably hold the chains against the said cable; and means for simultaneously driving the chains to feed the cable through the clamp as the chains



are gripping the cable comprising a train of gears associated with one of the chains, a shaft supporting each gear of the train respectively journalled in one of the jaws, a worm pinion mounted on one of said shafts, a worm gear in mesh with said pinion, and means to rotate the said worm gear.

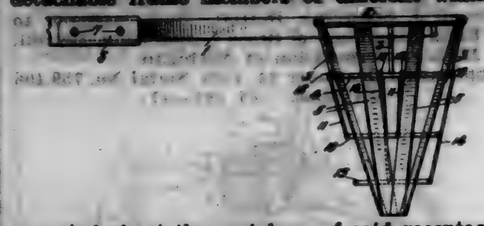
2,031,004
CRAVAT HOLDER
Joseph O. Pollack, Chicago, Ill.
Application July 11, 1935, Serial No. 30,844
4 Claims. (Cl. 24—69)



1. A cravat holder comprising an elongated supporting member, means for securing said member to a shirt front underneath a cravat, a resilient member mounted on and yieldable relative to said elongated member, a flexible member adapted to extend across the front of the cravat and form a loop with one end portion fastened to said elongated member and the other end portion fastened between and normally held against movement relative to said resilient and elongated members, said resilient member yieldable to permit adjustment of the size of the loop to cravats of different widths.

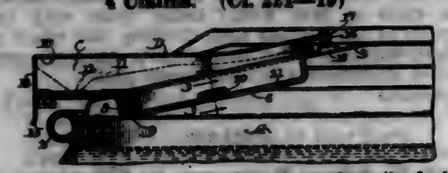
2,031,005
MACHINE FOR INSERTING BOTTLES, ETC., INTO TIGHT FITTING RACKS
Daniel J. Rondeau, Thomasville, Ga.
Application December 23, 1934, Serial No. 758,762
11 Claims. (Cl. 226—13)

1. A bagging machine comprising a funnel-like receptacle adapted to receive the article to be bagged and having spring tensioned side portions adapted to spread apart under the pressure of said article to discharge same into a bag at the small end of the funnel, and a plurality of detachable frame members of different widths



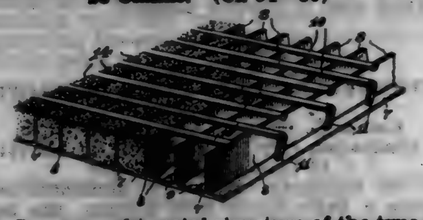
mounted about the periphery of said receptacle to limit the spread of said side portions.

2,031,006
POUR PAIL
Charles H. Rollason, Los Angeles, Calif., assignor to Beyis Manufacturing Company, Inc., Los Angeles, Calif., a corporation of California
Application September 26, 1934, Serial No. 745,495
4 Claims. (Cl. 221—19)



1. In a structure of the class described, the combination of a container having a cover of sheet metal, a dish-shaped depression in the sheet metal of said cover having a side wall provided with a plurality of peripherally spaced outward projections and having in its bottom wall a score line upon which the sheet metal is adapted to be severed and bent inwardly to define a pour opening, a spout for directing the fluid from said pour opening and comprising a trough-like member having a dish-shaped body portion having a side wall provided with a plurality of peripherally spaced outward projections registering with the said projections in said cover, whereby said spout is permanently secured against rotary movement in said depression, and a hinged cover for said spout having means for effecting a resilient spring engagement with the side and end edges of the spout to form a releasable closure therefor.

2,031,007
GRID OR GRATING
Walter F. Schaus, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application May 26, 1932, Serial No. 613,753
22 Claims. (Cl. 94—20)



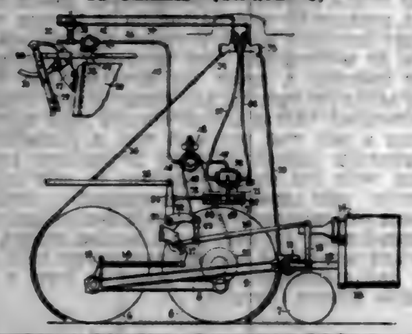
1. In a wrought metal structure of the type described, a set of flanged bars with the flange of one bar substantially abutting the flange of the adjacent bar, and means uniting the said abutting flanges of the bars to adjacent flanges to provide in the flange portions of the bars required tensional resistance in angular directions.

2,031,008
APPARATUS FOR EXTRUDING METAL
Joseph J. Schworak, Detroit, Mich., assignor to Behr Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application December 24, 1934, Serial No. 759,106
4 Claims. (Cl. 207—17)



1. In an apparatus for extruding unpierced metal billets to form tubing, a die member having a tapering recess terminating in a cylindrical portion of smaller diameter, a cylindrical mandrel of still smaller diameter within the cylindrical portion of said recess and a plurality of supporting and centering wings for said mandrel extending from the mouth of said recess and removably seated upon the tapering wall thereof, the ends of said wings being flush with the mouth of said recess and dividing the space in the entering portion thereof into separate segments terminating in a common plane.

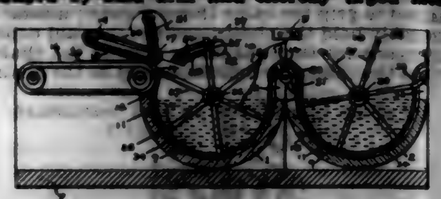
2,031,009
SANDER
Lewis K. Silcox, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application February 26, 1934, Serial No. 712,824
13 Claims. (Cl. 291—5)



1. The combination of a motor vehicle; a sander therefor; a motive energy controller for the vehicle; a starting gear for the vehicle having a starting position; and sander actuating means controlled conjointly by said energy controller and said starting gear, and active to actuate said sander when motive energy is supplied with the starting gear in starting position.

2,031,010
AUTOMATIC POSITIVE PAPER DEVELOPING APPARATUS
Luther G. Simjian, New Haven, Conn.
Application July 5, 1932, Serial No. 620,784
13 Claims. (Cl. 95—94)

1. An automatic developing apparatus comprising a basin for a fluid content, the basin having sides in parallel planes, curved companion grooves in said sides, the grooves having open ends adjacent opposite top portions of the basin, and an arm pivotally mounted upon said sides and adapted to extend below said grooves within said basin, whereby photographic prints, by their marginal portions may be inserted within one set of said open ends, an edge of each print engaged by said arm and thereby urged along



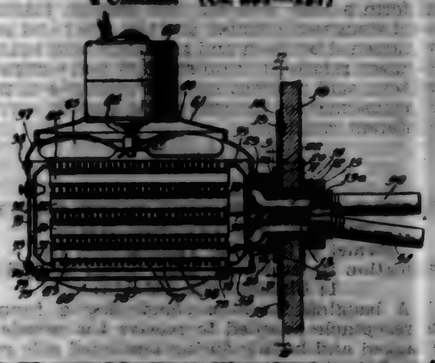
said grooves through said content and delivered at the opposite set of open ends of said grooves.

2,031,011
PACKAGE OF MATCHES
Edwin M. Sohn, Chicago, Ill.
Application January 20, 1932, Serial No. 654,307
3 Claims. (Cl. 44—43)



1. A package of matches adapted to diminish in size as the matches are used comprising, in combination, a plurality of matches each comprising a rigid strip of burnable material, igniting material affixed on one side face of each strip adjacent one end leaving the opposed side face bare, striking material affixed on said bare face adjacent the other end of each strip, said matches being arranged in face-to-face relation with the igniting and striking materials holding said strips in spaced relation to each other, and a binding strip glued to the edge of each of said strips and extending laterally intermediate the ends thereof and bridging the space between the strips, said binding strip being made of readily severable material whereby each match may be disconnected from the others by severing the binding strip at the space between said match and the next adjacent match.

2,031,012
HEAT EXCHANGE APPARATUS
Philmore F. Sperry, Chicago, Ill., assignor to Excel Auto Radiator Company, a corporation of Delaware
Application June 19, 1933, Serial No. 676,046
6 Claims. (Cl. 257—127)



2. The combination with a heat exchange device comprising a housing, a radiator core disposed within said housing, and means for advancing air through said housing and said radiator core, of adjustable means for supporting said core and said housing, said supporting means comprising a pipe fitting having a plurality of passages therethrough communicating with said core and with a supply of fluid, said pipe fitting being adapted to project through a supporting wall, a plate abutting against one side of said wall and provided with a plurality of apertures equidistantly spaced from each other and from the longitudinal axis of the pipe fitting, means screw-threaded on said pipe fitting and abutting against the other side of said wall, a bracket fixed to said housing, and means secured to said bracket and provided with projections engageable with said apertures.

2,031,013
BLANKET
John C. Standish, Rensselaer, N. Y.
Application June 8, 1934, Serial No. 729,781
3 Claims. (Cl. 139—420)



1. A printing blanket for use in the textile printing art comprising a fulled and felted woven fabric having a splice in the warp thereof to form an endless belt; the warp of said fabric containing vegetable fiber, whereby to provide the necessary tensile strength, and also wool, whereby to effect a felting of the warp at the splice and to prevent relative slippage of the spliced warps; and the filling of said fabric being composed of composite yarns formed of wool and vegetable fiber carded and spun together in which the wool content is at least sufficient to provide a substantial fulling and felting of the fabric.

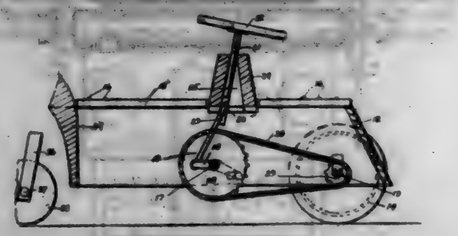
2,031,014
MACHINE FOR MAKING ELECTRICAL CABLES
Horace A. Staples, Plainfield, N. J., assignor to Habirshaw Cable and Wire Corporation, New York, N. Y., a corporation of New York
Original application April 23, 1932, Serial No. 607,063. Divided and this application October 6, 1932, Serial No. 636,494
3 Claims. (Cl. 207—9)



1. A machine for making a metal sheathed cable and comprising in combination, a chamber for receiving heated metal and from which the sheath is adapted to be extruded, a ram cooperable with said chamber for exerting pressure on metal therein, the said ram having an interior passage, a source of gas, and means for conducting a special gas atmosphere from said source and through said passage into said chamber during the withdrawal of said ram whereby air is excluded from said chamber during extruding operations.

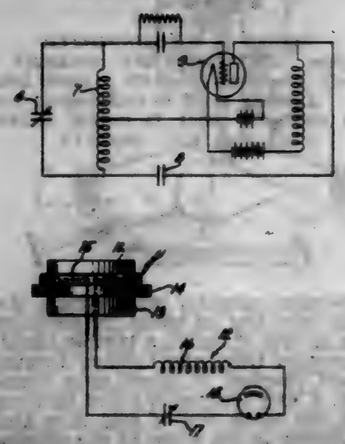
2,031,015
CHILD'S WHEELED VEHICLE
James H. Stevenson, Los Angeles, Calif.
Application September 19, 1934, Serial No. 744,659
6 Claims. (Cl. 280—32)

1. A vehicle consisting of a main box frame, a rear axle shaft a pair of traction wheels on the rear axle shaft, steering mechanism connected to the front of the box frame including a steering post with handle bars, a crank shaft between the ends of the main box frame, crank pedals for operating the crank shaft, to turn the



latter, a driver's seat, a post supporting the seat, means for guiding the movement of the post, and means actuated by the crank shaft for moving the post up and down to successively raise and lower the seat.

2,031,016
METHOD OF AND APPARATUS FOR TESTING ELECTRICAL DEVICES
Frank G. Tabersky, Bellwood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 13, 1932, Serial No. 604,213
8 Claims. (Cl. 175—183)

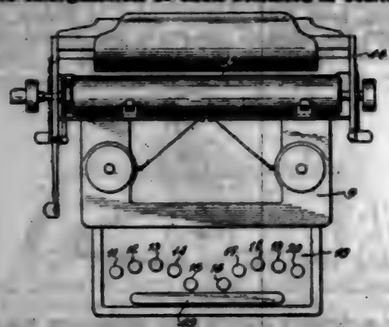


1. An apparatus for testing electrical devices, comprising an oscillator tuned to substantially the frequency of the device being tested, a wave responsive device coupled to said oscillator and tuned to a harmonic frequency, and means associated with said wave responsive device for indicating the presence of a closed circuit in the device being tested.

2,031,017
KEYBOARD
Robert Tevis, New York, N. Y.
Application December 12, 1931, Serial No. 581,830
Renewed May 12, 1935
7 Claims. (Cl. 197—11)

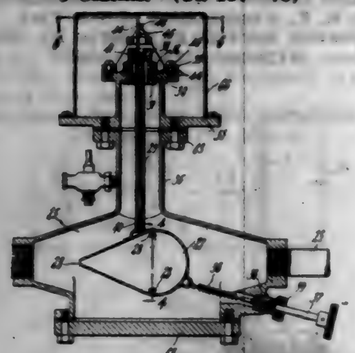
5. In a mechanism of the character described a plurality of solenoids, an energizing circuit for each solenoid, two and only two switches in each circuit, said switches being normally open, and a plurality of keys each operable to close a group of the switches, the two switches of each circuit

being respectively in different key groups whereby the energization of each solenoid is controlled



individually and selectively by a predetermined combination of two of said keys.

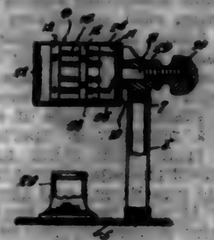
2,031,618
VISCOSITY REGULATOR
William Thomas, Bogota, N. J., assignor to Pneumercator Company, New York, N. Y., a corporation of Maine
Application May 15, 1933, Serial No. 671,103
9 Claims. (Cl. 137—78)



1. A viscosity regulator comprising a chamber having an inlet and an outlet for conduction of a flowing stream of liquid, a flexible liquid tight hose suspended from and opening through the top of said chamber in liquid tight connection therewith, a body secured in liquid tight connection with the lower end of said hose and suspended thereby in the midst of the chamber for frictional contact with the flowing liquid, a rod passing through the flexible hose into rigid connection with the friction body at the lower end of the hose and having a fulcrum bearing at one side of the upper end of the hose, and protruding therefrom to provide an external lever arm adapted to transmit motion for useful purposes.

2,031,619
TEST TUBE HEATER
Harry A. Walker, Somerville, and Harold P. Strand, Malden, Mass.
Application March 7, 1935, Serial No. 9,838
2 Claims. (Cl. 219—19)

2. A test tube heater comprising a base, an upright, a heating unit having an opening therein through which a test tube can be inserted, a shank on the unit for general disposition through the upper portion of the upright and being provided with threads, a hand knob, said hand knob being provided with a threaded socket for receiving the said threaded portion of the shank and adapted to be tightened against the upper por-



tion of the upright to fix the unit in any angularly adjusted position.

2,031,620
SURGICAL ENDOSCOPIC INSTRUMENT
Frederick Charles Wappler, New York, N. Y.
Application December 18, 1931, Serial No. 581,947
15 Claims. (Cl. 174—89)



1. In an instrument of the character described, a laterally fenestrated endoscopic tube insertable into a body cavity, means for varying the size of said fenestra so that it may be made sufficiently small to prevent the exposed cavity wall portion from protruding into said tube, and means wholly within the confines of said tube for electrically cooking said cavity wall portion.

2,031,621
HARVESTER THRESHER CANVAS
George Gedisp Weber and James Merryweather, Greencastle, Ind.
Application September 22, 1934, Serial No. 745,151
1 Claim. (Cl. 198—199)



A conveyor belt comprising a body, slats on the body; and fasteners each comprising a shank passing through the body and through a slat, the shank having a head cooperating with the body, the shank having a longitudinal slit terminating within the slat and leaving a portion of the shank solid within the slat, the slit defining bendable prongs, the shank having inclined surfaces defining a point at the end of the shank and enabling the prongs to pierce the body, the prongs being extended laterally in opposite directions, and being extended along the sides of the slats, toward the body, the ends of the prongs terminating on the sides of the slats, near to the body but spaced therefrom, the said inclined surfaces then slanting toward the slat.

2,031,622
COMBINATION GARMENT
Hildegard Wippermann, Chicago, Ill., assignor to The H. W. Gossard Company, Chicago, Ill., a corporation of Delaware
Application March 30, 1934, Serial No. 718,146
1 Claim. (Cl. 2—39)



A combination garment comprising a corset and a brassière adapted to encircle the body, having an opening at one side extending from top to bottom and fastening means for securing adjacent edges of said opening together, said corset having a stiffened continuous inelastic front portion adapted to sover the diaphragm and abdomen to a point adjacent the bustline and longitudinal side elastic sections for molding the hips and tensioning said front portion across the diaphragm and abdomen, and said brassière having an upper front portion of soft inelastic material constituting individual bust pockets shaped to mold and elevate the busts and a lower front band of stiffer inelastic material secured thereto and extending crosswise and telescoping the front of said corset, said brassière being secured to the side edges of said corset and detached from the front portion thereof permitting the lower front portion of said brassière to move up and down with respect to said corset front without straining or distorting the busts in accordance with bending movements of the body, said longitudinal side elastic sections extending upwardly past the lower overlapping front portion of the brassière and being tapered at their upper ends so as to produce less stretch at the brassière section than at the lower corset section.

2,031,623
RHODAMINE COLORING MATTERS AND PROCESS FOR PREPARING THE SAME
Max Wyler, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 28, 1934, Serial No. 732,923. In Great Britain June 30, 1933
9 Claims. (Cl. 260—62)

2. A dyestuff for wool comprising the sulfonic acid of a rhodamine compound obtainable by subjecting naphthalene-2,3-dicarboxylic acid or its anhydride and a meta-alkylamino-phenol to rhodamine synthesis.

2,031,624
PUNCH
Gustaf R. Ahlquist, Great Falls, Mont.
Application January 14, 1935, Serial No. 1,783
1 Claim. (Cl. 164—124)

A punching and cutting device comprising an anvil block having a bore centrally arranged therethrough and a recess in its upper end, said recess being shaped to provide an annular groove with a convexed portion extending inwardly therefrom to the bore, and surrounding the latter, said block having its upper end beveled outwardly beyond the recess to provide a cutting edge at the juncture of the bevel portion with the recess, cutting and punching means including a handle, a cylindrical body formed on the handle and having a concaved bottom cooperating with the convexed portion and providing an annular cutting edge cooperating with the cutting edge first mentioned and the groove respectively, and a stud extending centrally from the concaved bottom to be received in the bore and being provided with a beveled free end forming a penetrating point.



2,031,625
HYDROMETER SYRINGE
Frank Altmayer, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application March 27, 1931, Serial No. 525,744
5 Claims. (Cl. 265—45)



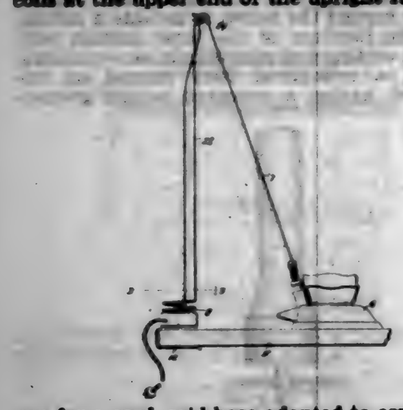
1. In a hydrometer, a liquid receiving barrel, a bulb and a discharge tube associated with said barrel, said tube having a passage therethrough, and restrainer means including a rubber disc positioned in the discharge passage and normally closing the same, said rubber disc being adapted to flex under pressure and afford a passage for liquid when flexed in either direction and prevent the flow of liquid when the pressure is removed.

4. In a syringe provided with a liquid receiving chamber and an aperture communicating with said chamber, the combination of means for increasing and decreasing the air pressure within said chamber, and flexible means for closing said aperture located adjacent the outer extremity of the same, said last mentioned means being responsive to changes of air pressure within said chamber for opening said aperture either for filling or emptying said chamber.

2,031,626
IRON ATTACHMENT
Charles Burton Barker, Aurora, Ill.
Application April 5, 1934, Serial No. 719,225
1 Claim. (Cl. 248—51)

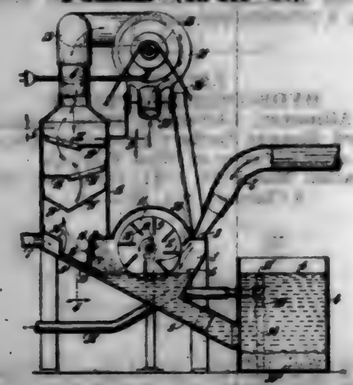
A cord holder of the class described, comprising a hollow base, a board engaging clamp carried thereby, a flexible upright having horizontal coils at its lower end, the lower convolution of which

is fastened to the top of the base and horizontal coils at the upper end of the upright forming an



eye for a cord, said base adapted to contain electrical connections for the cord.

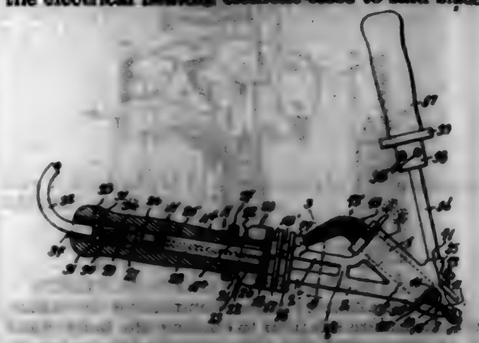
2,031,027
AIR WASHING DEVICE
David A. Barnie, Springfield, Mass.
Application May 15, 1935, Serial No. 21,632
8 Claims. (Cl. 183—27)



1. A dust washing machine comprising, in combination; a dust-collecting chamber having an inlet opening, a sediment tank having communication with the said chamber, the chamber and tank having water therein, a water-agitating member in the said chamber having lateral passages through the same, an exhaust member having a communication passage with the said collecting chamber, the water agitating member operating to project a curtain of water across the said passage, means for drawing the dust-laden air through the collecting chamber and for simultaneously operating the water-agitating member, the exhaust member having deflecting plates therein for causing the currents of air to travel in a circuitous path, and said plates serving to render the air passing through the exhaust chamber in a dry condition.

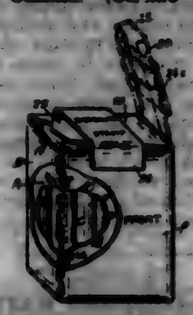
2,031,028
TIRE GROOVER
Clifford F. Beyer and George W. Fenke, St. Louis, Mo., assignors to Kwick-Kut Manufacturing Co., Inc., St. Louis, Mo., a corporation of Missouri
Application March 12, 1934, Serial No. 715,138
13 Claims. (Cl. 26—30.3)

1. A tire-grooving device comprising a head having a cavity formed therein, an electrical heating element supported within said cavity, a blade carried by said head, said cavity being extended throughout substantially the entire head, that is, from one end of the head to a point adjacent to the other end of the head which is in close proximity to said blade, so as to position the electrical heating element close to said blade,



and a handle for controlling movement of the device, the major axis of said handle and said head being disposed at an acute angle relative to each other so that an end of the head is out of alignment with the handle, whereby the electrical heating element may be introduced into or removed from the cavity without removing the handle.

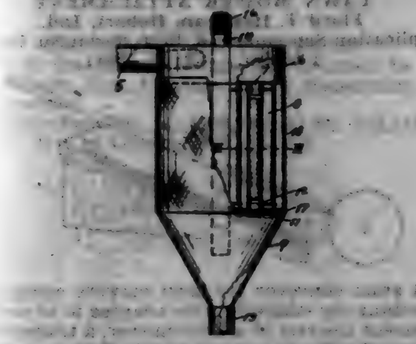
2,031,029
CONTAINER
Hugh Herbert Brenneman, Glen Mills, Pa.
Application October 25, 1932, Serial No. 639,672
7 Claims. (Cl. 229—51)



1. As an article of manufacture a packet consisting of a container having therein articles taxed by the use of a revenue stamp affixed thereto and which must be broken when the container is opened, the said container consisting of at least two telescoped container members, a closing flap formed on each of the said container members with the flap of the outer container overlying the flap of the inner container and pivoted for movement about one of its shorter edges, and a revenue stamp positioned upon the said outer container flap and the said outer container for sealing the said outer container, the said revenue stamp being positioned intermediate the said pivoted and free ends of the said outer container flap.

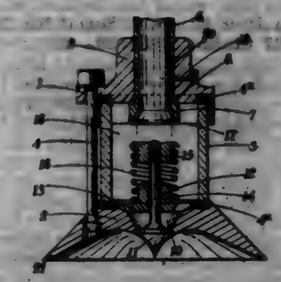
2,031,030
METALLIC COATING RECOVERING DEVICE
Maxime J. Brimard, San Francisco, Calif.
Application April 22, 1935, Serial No. 17,507
2 Claims. (Cl. 183—70)

1. In a device of the character described, a drum adapted to receive dust laden air, pipes extending downwardly from said drum, a funnel-shaped container positioned beneath said drum and spaced therefrom, the upper surface of said funnel-shaped member being closed and having pipes extending therefrom and communicating with the interior of said funnel, fabric sleeves



extending between the pipes of said drum and funnel, a blanket supported on the closed end of said funnel, said blanket having an upstanding pile, and a breather pipe extending into said funnel and extending to a point above the top of said drum.

2,031,031
DEVICE FOR DELIVERING MEASURED QUANTITIES OF LIQUIDS
Harry Budd, Old Charlton, London, England
Application February 21, 1934, Serial No. 712,383
In Great Britain February 27, 1933
3 Claims. (Cl. 221—116)



1. A device for delivering measured quantities of liquids comprising in combination a delivery tube adapted to be fitted to the outlet of a closed liquid container, a measuring vessel having a limited vertical movement on said tube, said measuring vessel comprising two horizontally disposed end plates, a vertically disposed cylindrical member arranged between said end plates, means for forming an airtight joint between said delivery tube and measuring vessel, means for maintaining a liquid-tight joint between said cylindrical member and end plates, means for securing the parts in assembled relationship, a spring controlled valve located within said measuring vessel, a valve seating provided on the lowermost plate with which said valve coacts and a stop-member mounted on said valve adapted to coact with and close the inner end of the delivery tube when said measuring vessel is forced upwardly on said delivery tube for the purpose of removing the valve from its seat to discharge the contents of said vessel.

2,031,032
MEANS FOR MIXING THE COLOR ELEMENT IMAGES IN MULTI-COLOR SCREEN PHOTOGRAPHIC PRINTING AND PROJECTION
Walter Chapman, Palmers Green, London, England, assignor to Dufaycolor Limited, London, England
Application March 18, 1933, Serial No. 661,076
In Great Britain July 7, 1932
2 Claims. (Cl. 88—16.4)



1. Method of obtaining copies from a three color Lumiere-Dufay screen so as to obtain a thorough mixing of the light transmitted through the master color screen consisting in displacing the color elements of the projected beam by optical means approximately one unit parallel to a given color line and then by additional optical means displacing each of the two sets or designs of elements approximately three quarters of a unit in a direction transverse relatively to the first direction of displacement.

2,031,033
DISPENSING CARTON
Morton Wise Denoboim, St. Louis, Mo., assignor to Waxide Paper Company, Kansas City, Mo., a corporation of Missouri
Application November 5, 1934, Serial No. 751,584
3 Claims. (Cl. 206—58)



1. A dispensing carton for a roll of sheet paper including a tubular body housing the roll of paper and having a slot to pass the paper, inserts in the ends of the tubular body having trunnion means for rotatably supporting the roll of paper, caps on the ends of the tubular body to retain the inserts, and a knife mounted on the caps for severing the paper.

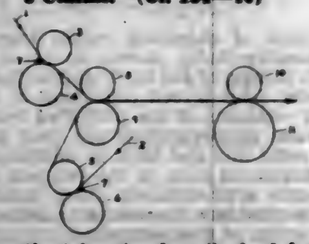
2,031,034
FIDELITY CONTROL CIRCUITS
George Victor Dowding, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application November 16, 1933, Serial No. 698,311
In Great Britain November 16, 1932
7 Claims. (Cl. 250—20)



1. In a radio receiver, an electron discharge tube provided with a tunable signal input circuit, an output circuit connected to the output electrodes of said tube, a network following said tube adapted to amplify the modulation frequencies of received signals, said network having a rising frequency-amplification characteristic, means operatively associated with said tube for regulating the selectivity characteristic of said signal input circuit, and additional means, operative upon adjustment of said first means to impart minimum selectivity to said tuned input

circuit when a strong signal is received, for diverting from the input to said network currents of the higher modulation frequencies.

2,031,035
METHOD OF MAKING MOISTUREPROOF PAPERBOARD AND THE LIKE
Carl G. Dreymann, Pittsburgh, Pa., assignor to Grant Paper Box Company, a corporation of Pennsylvania
Application October 11, 1933, Serial No. 693,110
3 Claims. (Cl. 154—40)



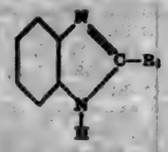
2. The method herein described of forming a multiple-ply sheet of moisture-repellant cardboard, paper-board, and the like, which consists in spreading superficially upon a ply of paper an uninterrupted film of a thermoplastic, moisture-proof adhesive, in heated and fluid condition, bringing such filmed ply, while the film superficially continues in fluid condition, together with a second ply, into a roll-pass of a width equal to the combined thickness of such components, whereby union is effected without compression, allowing the united article to cool to the point of stiffening of the film material, and, finally, at such temperature, subjecting the article to consolidating pressure.

2,031,036
COMPOSITION OF MATTER AND METHOD OF ITS PRODUCTION
Carl G. Dreymann, Pittsburgh, Pa., assignor to Grant Paper Box Company, a corporation of Pennsylvania
No Drawing. Application May 17, 1934, Serial No. 726,110
5 Claims. (Cl. 154—43)

1. A container wall for the packaging of material including a sheet or film composed substantially of amorphous petroleum wax of an apparent melting-point of 120°–170° F., carrying a suspended colloid.

2,031,037
PROCESS FOR THE MANUFACTURE OF BENZIMIDAZOLES HAVING HIGHER ALKYL-GROUPS AT THE β-CARBON ATOM
Charles Graenacher, Basel, and Franz Ackermann, Binningen, near Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application May 14, 1934, Serial No. 725,654. In Switzerland May 18, 1933
5 Claims. (Cl. 260—44)

1. A process for the manufacture of benzimidazoles of the general formula



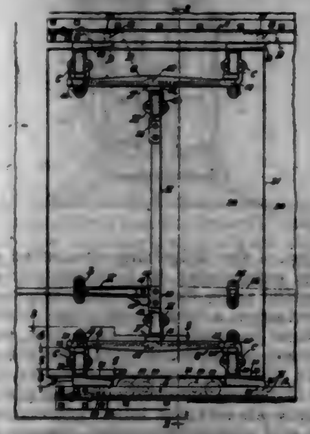
wherein R_1 stands for a higher alkyl radical containing at least 9 carbon atoms, consisting in condensing ortho-phenylenediamine with a glyceride of such a higher fatty acid which contains at least 10 carbon atoms, the condensation being carried out in the presence of a reducing agent.

2,031,038
LAWN MOWER ATTACHMENT
Floyd T. Harrigan, Hobart, Ind.
Application September 18, 1934, Serial No. 744,681
1 Claim. (Cl. 56—291)



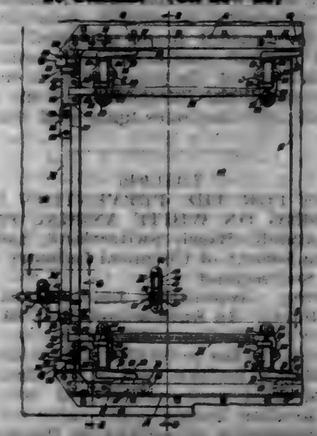
A grass conveyor for lawn mowers comprising a rectangular-shaped frame adapted to be secured adjacent the reel of a lawn mower, a transversely mounted roller in one end of said frame, a second roller, an endless apron trained around said rollers, the sides of said frame having a plurality of spaced oppositely disposed angularly arranged slots therein, said second roller being adapted to be arranged in pairs of said slots for controlling the slack in said apron, a driving connection between the lawn mower and the first named roller, and a receptacle detachably suspended from the frame for receiving the grass from the elevator.

2,031,039
REFRIGERATOR CAR DOOR
Stacy B. Hasseltine, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application June 22, 1934, Serial No. 732,015
27 Claims. (Cl. 20—23)



1. In a door construction for refrigerator cars having a wall member provided with a door opening, the combination with a door adapted to close said opening; of guide tracks on said wall member above and below said door opening; a carrier slidably guided on each track; top and bottom crank members mounted on the door for rotation about vertically aligned axes; a crank arm on each crank member having a crank pin at the outer end journaled in the corresponding carrier; an operating shaft on said door rotatable about a vertical axis fixed with respect to the aligned axes of rotation of said crank members; and power multiplying motion reducing connections between said rotary operating shaft and said crank members for rotating said crank members through an angle which is less than the angular rotation of said operating shaft.

2,031,040
REFRIGERATOR CAR DOOR
Stacy B. Hasseltine, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application July 14, 1934, Serial No. 735,210
20 Claims. (Cl. 20—23)



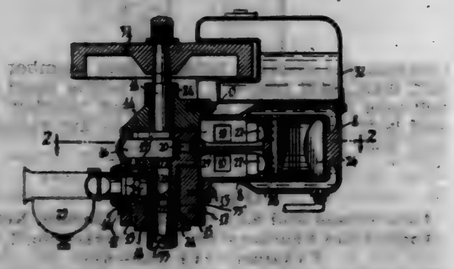
1. In a door construction for refrigerator cars having a wall member provided with a door opening, the combination with a single door adapted to close said opening; of guide tracks on said wall member above and below said door opening; carriers slidably guided on said tracks; top and bottom swinging supporting arms, each arm being journaled at one end on the door and at the other end on one of said carriers; bars connected to said arms for swinging the same to close or open said door; an operating member connected to the bars; keeper means on the car adjacent to said door opening; and means fixed on said operating member having camming engagement with the keeper means for moving said bars to swing said arms to force the door into the door opening when said actuating member is operated in one direction and pry said door open when the actuating member is operated in a reverse direction.

2,031,041
MOTOR VEHICLE AIR CONDITIONER
Harry W. Hedberg, Fresno, Calif.
Application August 13, 1935, Serial No. 36,015
6 Claims. (Cl. 257—7)



1. A motor vehicle air conditioning structure, comprising a receptacle having spaced inner and outer walls, insulation material between said walls, said receptacle having an open top, a frame secured over and about the edges of said walls at said open top facilitating the suspension of the receptacle in a floor opening, a grating supported upon the frame and closing the top of the receptacle, a second inner receptacle having a wall of foraminous material attached to said frame and suspended in the first receptacle in spaced relation with the inner wall of the same, a bottom for said second receptacle for the support therein of a refrigerant material, an air collecting unit, and an air conducting pipe leading from said unit through the wall of the first receptacle and discharging thereinto beneath the bottom of the second receptacle.

2,031,042
INTERNAL COMBUSTION ENGINE
Ralph J. Herrington, Minneapolis, Minn.
Application October 1, 1934, Serial No. 746,336
1 Claim. (Cl. 123—73)



In a two-cycle internal combustion engine, a crank case having a closure removably secured in the lower end thereof, a vertical crank shaft journaled in a bearing in said closure, the lower section of said crank shaft being formed with an axial tubular bore which communicates at its upper end with the lower central portion of said crank case and at its lower end with a radial port in said shaft which has sealing engagement with the surrounding surface of said journal bearing, and a fuel and lubricant mixture admission port extending [illegible] through said closure and journal bearing below said crank case and adapted to communicate with said radial port in said tubular shaft upon rotation thereof, whereby mixture drawn upwardly through said shaft into said crank case during operation will drain into the bore of said [illegible]ft adjacent its surrounding bearing surface when the engine is idle, prolonging the life of said bearing and improving the starting and slow speed operation of said motor.

2,031,043
ELEVATOR SAFETY DEVICE
Frederick Hymans, Larchmont, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application June 15, 1935, Serial No. 26,729
20 Claims. (Cl. 187—91)

1. In an elevator system having a body movable in the elevator hatchway, a rail extending longitudinally of the hatchway and a safety device for said movable body, said safety device comprising; a member suspended beneath said body adapted to move upwardly with respect thereto; means carried by said member for engaging said rail; operating means for said rail engaging means carried by said member; resilient means interposed between said operating means and said body; and means operable during down-

ward movement of said body for operating said operating means to effect the engagement of said rail engaging means with said rail to retard said member in its downward movement, decreasing the distance between said member and said body, said resilient means acting upon said decrease in distance between said member and said body to transmit force due to the weight of said body to said operating means.



2,031,044
SAFETY PIKE

Lars Jensen and Ray Sherman, Lincoln, Nebr.

Application February 19, 1935, Serial No. 7,161
2 Claims. (Cl. 294—61)



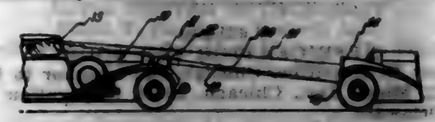
1. A pike including a hollow cylinder and a socket member and a septum therebetween, said cylinder and socket and septum being of integral construction, a prod having a base portion and a point portion, said prod being insertable in said cylinder in either of two positions with either the point portion or the base portion projecting therefrom, said septum being provided with a central aperture for receiving the point of said prod, and a releasable latch for holding said prod in either of its two positions.

2,031,045
MEANS FOR AVOIDING GLARE FROM AUTOMOBILE HEADLIGHTS

Edwin H. Land, Wellesley Farms, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J., a corporation of New Jersey

Application January 16, 1933, Serial No. 651,952
In Canada December 6, 1932
10 Claims. (Cl. 88—1)

1. In a device for avoiding glare from automobile headlights and the like, the combination comprising an enclosed light source, a lens for transmitting light, a polarizing body associated with said light source and positioned to polarize the beam emanating therefrom, said polarizing body comprising a set suspending medium having a mass of polarizing particles dispersed and immovably embedded therein with their polarizing axes oriented to substantial parallelism, and a visor through which said light is adapted to be viewed comprising a similar polarizing body adapted to transmit plane polarized light substantially without scattering and positioned to substantially cut off the polarized light emanating from said headlight irrespective of the angle at which said light impinges upon said visor.



2,031,046
PROCESS FOR THE PREVENTION OF THE BLEEDING ON WHITE ANIMAL FIBERS

Albert Landolt, Basel, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland

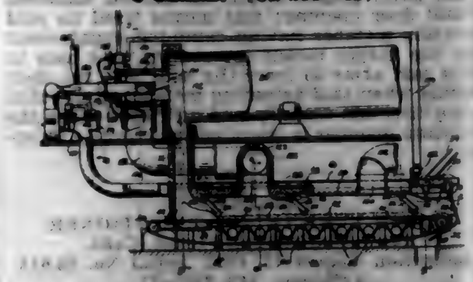
No Drawing. Application June 17, 1931, Serial No. 545,145. In Switzerland June 20, 1930
7 Claims. (Cl. 8—13)

1. Process for the prevention of the bleeding of dyed wool onto undyed wool in the simultaneous milling of dyed wool and undyed wool in an aqueous solution having a pH-value not greater than 7, consisting in adding to the solution a textile auxiliary obtained by causing a compound selected from a group of products consisting of alcohols and aldehydes to react with a naphthalene sulfonic acid.

2,031,047
APPARATUS FOR MANUFACTURING, TREATING, AND COOLING CEMENT CLINKERS

Harry S. Lea, Detroit, Mich.

Application February 13, 1932, Serial No. 592,774
3 Claims. (Cl. 263—32)

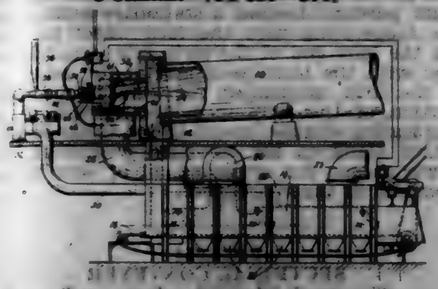


1. In apparatus for the manufacture and treatment of cement clinker, a kiln having an outlet for the discharge of clinker, a fuel feed for the kiln, a stationary closed chamber to receive the clinker discharged from the kiln, clinker moving means arranged within said chamber to advance the clinker in a moving bed through the chamber, means for causing an air stream to pass through the chamber and through the moving clinker, means for delivering a portion of said air from said chamber into the kiln, control mechanism responsive to the temperature of the air delivered from said chamber to the kiln coupled with the clinker moving mechanism to regulate the same as a function of said temperature.

2,031,048
FUEL FEED BURNER

Harry S. Lea, Detroit, Mich.

Application June 22, 1932, Serial No. 618,834
8 Claims. (Cl. 110—104)

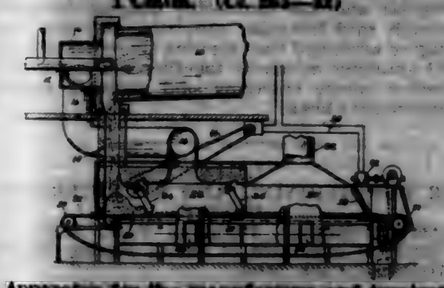


1. Fuel feed mechanism for a cement kiln comprising, in combination with a kiln, a fuel feed pipe arranged to direct a stream of powdered fuel into the kiln, a source of heated air, an enclosure surrounding the discharge end of said fuel feed pipe forming a chamber thereabout communicating with the source of heated air to receive air therefrom to pass through said chamber over the discharge end of the fuel feed pipe into the kiln, an air pipe extending through the wall of the enclosure telescopically surrounding the fuel feed pipe but spaced therefrom forming an air passageway therearound, and means supporting said pipes operable to adjust the angular position thereof as a unit within the enclosure.

2,031,049
APPARATUS FOR MANUFACTURING AND TREATING CEMENT CLINKERS

Harry S. Lea, Detroit, Mich.

Application September 12, 1933, Serial No. 689,295
1 Claim. (Cl. 263—32)

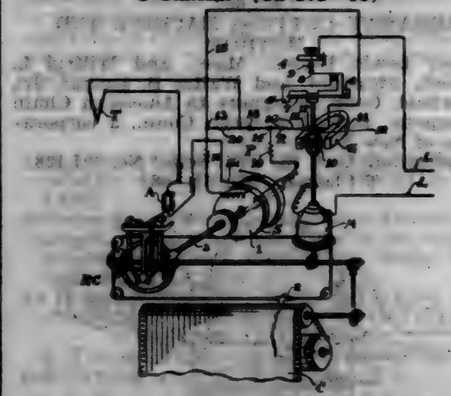


Apparatus for the manufacture and treatment of cement clinkers comprising a primary combustion chamber wherein cement clinker is formed, a clinker treatment chamber into which the primary combustion chamber discharges highly heated cement clinkers, means for advancing said cement clinkers in a continuous stream through said treatment chamber, means for directing an air draft through said advancing stream of cement clinkers within the treatment chamber, means for taking air heated by being passed through the forward end of the clinker treatment chamber and delivering the same to the primary combustion chamber, valve means engaging the moving stream of clinkers preventing an uncontrolled quantity of air from passing into the primary combustion chamber from the clinker treatment chamber, and mechanism responsive to the rise and fall of said valve means in response to the increase and decrease in thickness of the stream of clinkers travelling thereunder operable to vary the rate of travel of the clinker advancing means.

2,031,050
MEASURING SYSTEM

Morris E. Leeds, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 3, 1932, Serial No. 645,333
8 Claims. (Cl. 171—95)

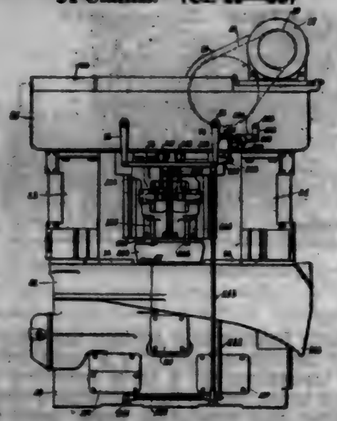


5. In the art of potentiometric measurement, the method of producing a potentiometric current of constant magnitude which comprises deriving a direct current voltage from a commercial source of current, maintaining the magnitude of said voltage substantially constant notwithstanding substantial variation in voltage of said commercial source and variations in magnitude of the condition under measurement, producing by said derived voltage flow of current through a path including in series a measuring circuit of substantially constant resistance and resistance whose magnitude is substantially constant and high relative to any change in the resistance of said path due to change of temperature or other condition of operation.

2,031,051
AUTOMATIC CHUCKING MACHINE

Arthur J. Lewis, Stratford, Conn., assignor to The Baird Machine Company, Bridgeport, Conn., a corporation of Connecticut

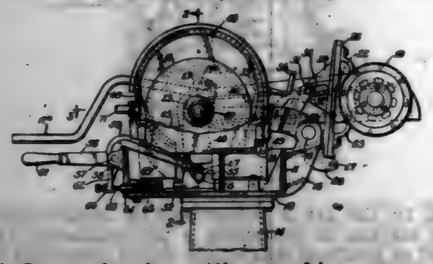
Application January 26, 1933, Serial No. 653,041
34 Claims. (Cl. 29—38)



1. In a machine of the class described, the combination of a support, a plurality of rotatable work holders on the support, means for opening the work holders but normally disconnected therefrom, means for rotating the work holders but

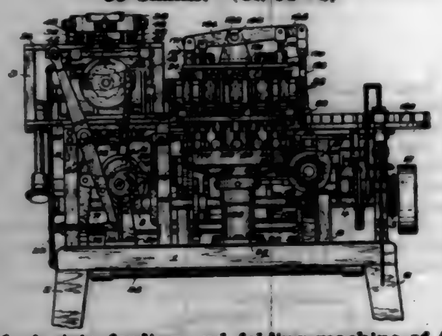
normally disconnected therefrom and an element common to both of said means and having direct connections therewith, said element being movable to actuate said means toward the work holders.

2,031,852
ABRASIVE CUTTING MACHINE AND METHOD
Dartrey Lewis, Boston, Mass., and Wilfrid L. Walsh, Stratford, and Walter B. Lashar, Jr., Fairfield, Conn., assignors to American Chain Company, Inc., Bridgeport, Conn., a corporation of New York
Application April 18, 1934, Serial No. 721,128
9 Claims. (Cl. 51—98)



1. In an abrasive cutting machine, means for clamping the material to be cut, a thin abrasive wheel, a frame on which the said wheel is rotatably mounted, the said frame being pivotally mounted to permit it to tilt and to move the wheel bodily in its plane of rotation, and a member provided with an arcual conduit for liquid mounted in the plane of rotation of the wheel and approximately concentric therewith, said conduit being provided with a narrow slot through which the edge of the wheel may, when tilted, extend into the conduit and rotate therein, said conduit being symmetrical with respect to the plane of travel of the wheel therein.

2,031,853
APPARATUS FOR FORMING, FOLDING, AND BANDING PAPER STRIPS
Alvin A. Maasial, Wheeling, W. Va.
Application September 17, 1934, Serial No. 744,211
26 Claims. (Cl. 93—1)



1. A strip feeding and folding machine of the character described, including a table having an opening therethrough, a strip receiving hopper above said table, means for removing a strip from said hopper and depositing same upon the table, means for advancing a strip along said table and into position over said opening, a reciprocating die above said table aligned with the opening and adapted for movement therethrough, a feed wheel beneath said opening adapted to cooperate with said die member to form said strip into substantially U-shape with one free end shorter than the other, means supported by the table beneath the latter for folding the short end of the strip into parallel relation with the bight portion of same, a stationary guide member cooperating with the feed wheel for folding the long end of the strip into parallel relation with the bight portion and the other end of the strip, mechanism for securing the folded portion of the strip in folded position, a reciprocating channel member for advancing the folded blank to the securing mechanism, and power means for actuating all of said moving elements in timed sequence.

2,031,854
SECTIONAL CONVEYER
Timothy F. McCarthy, Indiana, Pa.
Application May 6, 1935, Serial No. 20,819
6 Claims. (Cl. 198—204)



1. In a conveyer, a plurality of aligned troughs, and means to connect said troughs together comprising a pair of abutting members extending laterally from adjacent troughs, said members being provided with aligned apertures and the aperture in one of said members being of an irregular contour, a connecting bolt adapted to register with said apertures, said connecting bolt having a head conforming to the contour of said irregular aperture and being adapted to extend through said irregular aperture, and said head being so arranged that turning thereof will clamp said abutting members together against a compression spring engaging said abutting member opposite said head.

2,031,855
AIR CONDITIONING AND REFRIGERATING DEVICE
Robert McKinney, Highland Park, Mich., assignor of one-third to Lucius Hadlow Grimes, Highland Park, Mich.
Application October 30, 1933, Serial No. 695,899
4 Claims. (Cl. 261—107)



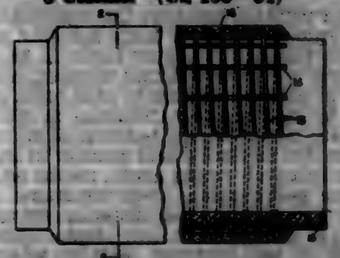
1. In an air conditioning device, a casing provided with a water reservoir, an electric motor mounted within the casing and provided with a shaft, a series of fans on the shaft, the casing having a pair of inlet openings, a curtain between each air inlet opening and the fans, the curtain being formed of absorbent porous material having a layer of wire mesh on each side thereof, a pair of belts driven by the electric motor, each belt extending into the water reservoir and each belt being provided with lugs for throwing water over the curtains during rotation of the belt.

2,031,856
TUBING CATCHER
William H. McKissick, Tulsa, Okla.
Application April 16, 1934, Serial No. 720,834
3 Claims. (Cl. 166—219)



1. A tubing catcher including a tubular body member, a set of slips carried on the body member to engage a casing in which the tubing catcher is inserted and having depending foot portions, a collar slidable on the body member and having flange portions engaging the foot portions of the slips, lock springs having offset ends fulcrumed in the collar and having casing gripping portions, a spring coiled about the body member, a weight member loading the spring and having a wedge portion engaging the lock springs to effect movement of the lock springs into gripping engagement with the casing upon movement of said weight member in response to inertia and the action of the coiled spring upon dropping movement of the body member whereby the slips are supported from the casing, stop means on the body member engaging one end of the spring and having an annular flange to protect the weight from accidental movement, and wedge means on the body member for driving the slips into gripping engagement with the casing.

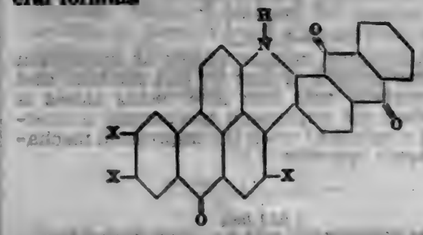
2,031,857
COMPOSITE PIPE AND LIKE STRUCTURE
Robert W. Mitchell, Westmount, Quebec, Canada
Application December 24, 1934, Serial No. 759,125
5 Claims. (Cl. 138—84)



1. A composite pipe or the like comprising a preformed inner portion, longitudinal reinforcing bars outside of and in contact with the outer surface of said inner portion, circumferential reinforcement comprising a continuous member encircling said preformed portion and disposed in tension outside of and in contact with said longitudinal reinforcing but out of contact with said preformed portion, and a cementitious covering for all said reinforcing extending between the circumferential reinforcing and the outer surface of said preformed inner portion and thereby held against displacement.

2,031,858
VAT-DYESTUFFS OF THE ANTHRAQUINONE SERIES AND PROCESS OF MAKING THE SAME
Wilhelm Moser, Riehen, and Walter Fierozd, Binningen, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application March 13, 1935, Serial No. 10,915. In Switzerland March 17, 1934
4 Claims. (Cl. 260—36)

2. The anthraquinone derivatives of the general formula



in which one X stands for a methyl group and the other two X's stand for hydrogen atoms, which products are dark olive powders, dissolving in sulfuric acid at first to a brown solution which then gradually changes to olive-green, and forming reddish-blue vats from which vegetable fibers are dyed fast green-olive to brown-olive tints.

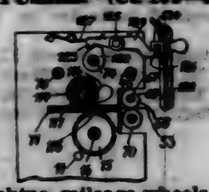
2,031,859
TRANSMISSION MECHANISM
Matteo Natella, Salerno, Italy
Application April 7, 1933, Serial No. 664,945
In Italy May 12, 1933
7 Claims. (Cl. 74—337)



1. In a transmission mechanism, the combination of a driving shaft; a driven shaft; a spindle carried by said driving shaft and disposed crosswise thereof; a plurality of segmental beveled gears mounted side by side on said spindle so as to swing around the axis of said driving shaft; a plurality of telescopically associated hollow drums that are concentrically disposed with relation to the axis of said driving shaft and each of which is made at one end with a bevel gear co-operatively disposed with respect to one of said segmental beveled gears and made at its opposite end with

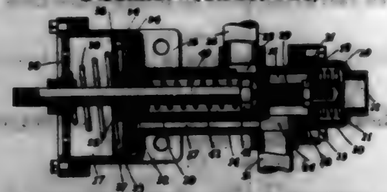
a spur gear, the spur gears of the several drums being of different diameters; a plurality of spur gears fixed in position upon said driven shaft each of which is continuously in mesh with the spur gear of one of said drums, and automatic means for operating said spindle so as to selectively control the engagement of said segmental beveled gears individually with the beveled gears of said drums according to variations in the load imposed upon said mechanism by said driven shaft.

2,031,660
PRINTING ODOMETER
John F. Ohmer, Dayton, Ohio, assignor, by mesne assignments, to Central United National Bank, Cleveland, Ohio, as trustee
Application October 2, 1932, Serial No. 635,976
11 Claims. (Cl. 101—93)



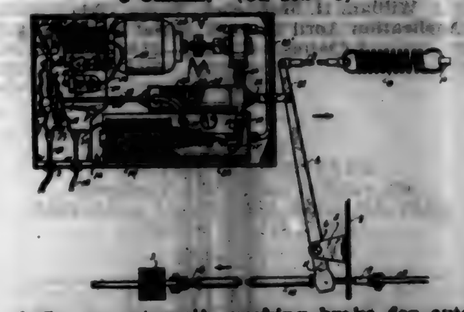
1. In a machine, mileage wheels, an impression mechanism therefor, a door for said machine, and means whereby said door after being closed is locked when the impression mechanism is operated and is unlocked when the impression mechanism is again operated.

2,031,661
FLUID CONTROL VALVE FOR VACUUM BRAKE SYSTEMS
Max Paul and Walter Orr, Stockton, Calif., assignors of one-third to Prentice M. Miles, Stockton, Calif.
Application April 20, 1934, Serial No. 721,193
8 Claims. (Cl. 303—54)



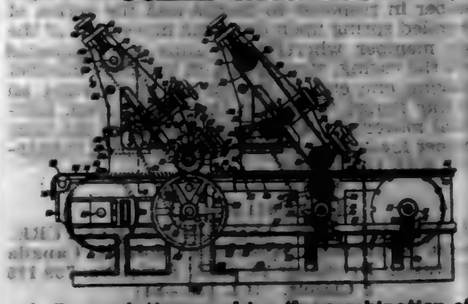
1. A valve unit for a vacuum braking system comprising a valve chamber, open at one end to atmosphere, a hollow piston valve slidable in the chamber, an outwardly opening air valve to close the open end of the chamber, said chamber having longitudinally spaced ports near the open end of the chamber, the port nearest the said end being adapted for connection to a brake pipe and the other being adapted for connection to a source of negative pressure, the piston valve normally closing the last named port but the other port being always open, and said valve also then holding the air valve open, a foot actuated rod slidably projecting into the piston valve from its end opposite the ports, a compressible spring between the piston valve and rod acting to cause said valve to yieldably move with the rod when the latter is pulled away from the ported end of the chamber whereby the valve will be moved to open the second named port and allow the air valve to close, and means within the valve unit actuated upon the establishment of communication between the ports to cause the piston to be retracted sufficiently without movement of the foot actuated rod to close said second named port but insufficiently to engage and open the air valve.

2,031,662
AUTOMATIC PARKING BRAKE
Charles G. Peabody and Richard W. Roberts, Portland, Oreg.
Application April 15, 1935, Serial No. 16,295
6 Claims. (Cl. 192—8)



1. In an automatic parking brake for automotive vehicles, the combination including a master brake lever connected to the braking system of the vehicle and having release and applied positions, means constantly urging the lever to applied position, hydraulic means for moving the lever to release position, means in the ignition circuit of the vehicle operating when such circuit is open to release the hydraulic means so that the urging means move the lever to applied position, and magnetic means in the ignition circuit operable when the circuit is closed to cause the hydraulic means to move the lever to release position.

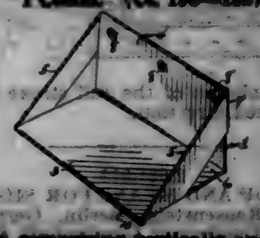
2,031,663
CONTINUOUS MACHINE FOR PRINTING FLOOR AND WALL COVERINGS
Thomas Pauli, Raritan, N. J.
Application October 17, 1932, Serial No. 638,048
3 Claims. (Cl. 101—181)



1. In a printing machine the combination of a frame, endless conveyer belts movably mounted upon the frame for moving goods to be printed, an endless one piece printing member, rollers arranged in parallel relation to each other and embraced by said member, bearings in which said rollers are mounted, said bearings arranged upon the frame for mounting said member in an oblique position relatively to the goods, means adjustably mounting said bearings upon the frame, and arranged for varying the distance between the rollers, a guide upon the frame positioned obliquely to the conveyor belts in which guide the bearings in which one of the rollers is mounted are movably in a line at right angles to the length

of said member and arranged for varying the position of the last mentioned roller relatively to the goods, a supporting roller upon the frame and arranged for supporting the goods adjacent to said member, an ink receptacle mounted upon the frame, an ink roller positioned to receive ink from said receptacle and arranged for applying ink to said member, a roller located within said member and arranged for pressing said member against the ink roller, bearings in which the last mentioned roller is mounted, and means adjustably mounting said last mentioned bearings upon the frame.

2,031,664
ELEVATOR BUCKET
Leonard C. Penting and Arthur G. Kilwer, Abilene, Kans.
Application April 3, 1934, Serial No. 718,641
1 Claim. (Cl. 198—152)



A bucket comprising vertically and horizontally arranged and integrally connected walls, side members integral with the horizontal wall and bent to engage one face of the vertical wall, said side members spaced from the horizontal and vertical walls where said walls join each other to form openings, a flange formed on the vertical wall and overlying the ends of the side members, said vertical wall, the flange and the ends of the side members having aligned openings to receive fasteners for securing the vertical wall to a conveyor belt and simultaneously securing the ends of the side members to the vertical wall, said horizontal wall having its free edge rolled to form a beading.

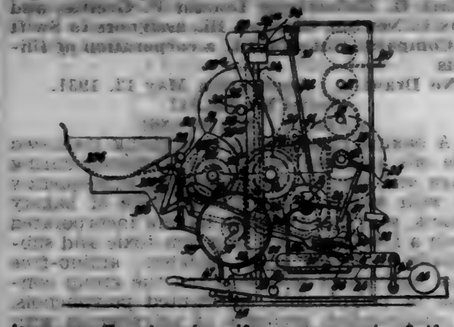
2,031,665
ANTENNA
Klaas Posthumus and Balthasar van der Pol, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Original application September 18, 1929, Serial No. 393,794. Divided and this application September 21, 1932, Serial No. 634,313. In the Netherlands September 18, 1929
5 Claims. (Cl. 250—11)



1. A directive antenna system comprising a two wire transmission line, the wires of said line being parallel to each other and separated a distance equal to an odd multiple of half the length of the communication wave, parallel radiators transverse of said wires extending between said wires and connected thereto, said radiators being located substantially one wave length apart whereby cophasal energization is effected therein.

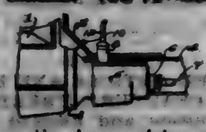
2,031,666
AUTOMATIC LAP DOFFER
Thomas S. Ramsdell, Great Barrington, Mass.
Application April 7, 1933, Serial No. 665,813
21 Claims. (Cl. 19—162)

4. A picker calender or the like, comprising feed rolls, a lap roll for receiving the lap which passes through said feed rolls, means for rotating said rolls, and means for severing the lap by



temporarily stopping the movement of the lap through adjacent rolls.

2,031,667
AUTOMATIC TRANSMISSION
Carl F. Rouse, Grosse Pointe, and Axe E. Kilpela, Detroit, Mich., assignors, by mesne assignments, to Borg-Warner Corporation, a corporation of Illinois
Application August 2, 1933, Serial No. 682,449
11 Claims. (Cl. 74—336.5)



1. An automatic transmission comprising a driving shaft, a driven shaft, change speed gearing adapted to interconnect said shafts in a plurality of different driving ratios, jaw clutch mechanism having pitched axial teeth surfaces operable only whenever approximate synchronization between the rotative speed of said teeth occurs for connecting said change speed gearing to said driven shaft in a plurality of different ratios, means operable responsive to a predetermined speed of rotation of the driven shaft for actuating said clutch mechanism to effect an automatic change in the driving ratio between said shafts, manually operable means for actuating said clutch mechanism to effect selective changes in the driving ratio between said shafts, and a lost motion connection between said manually operable means and said other means.

2,031,668
REFRIGERATOR DOOR
Clifford A. Rehling, St. Paul, Minn., assignor to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota
Application November 11, 1933, Serial No. 697,931
9 Claims. (Cl. 20—35)



7. A door including an insulating frame, an outer metal sheathing for said door, hook-like spring means on one side of said frame adapted to resiliently engage one side of said sheathing, and means for holding the other side of said frame in tight engagement with the other side of said sheathing.

2,631,069
STABILIZATION OF OILS AND FATS
William D. Richardson, Donald P. Grettie, and Roy C. Newton, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application May 12, 1931, Serial No. 536,942
6 Claims. (Cl. 99—96)

1. A baking composition comprising stabilized edible oils and fats which are stabilized during storage and distribution and when subsequently used with water in the manufacture of bakery products, said oils and fats having incorporated therein a fraction of 1% of a non-toxic and substantially odorless and tasteless amino-free phenol derivatives selected from the group consisting of polyphenols, substituted polyphenols, and condensation products of polyphenols with ketones or aldehydes, said polyphenol derivative being soluble in the oil or fat, but having such insolubility in hot water and stability at high temperatures that it will remain in the oil or fat when used with water in the manufacture of bakery products, and stabilizes the same during such use and in the resulting bakery product.

6. Food products in which, or in the manufacture of which, water is used, said products containing therein oils or fats stabilized by the presence therein of a small amount of a condensation product of pyrogallol and acetone.

2,631,070
METAL COATED ARTICLE AND PROCESS OF MANUFACTURE THEREOF
Robert R. Robinson and Edward L. Rick, Los Angeles, Calif.; said Rick assignor to William D. Howse, Los Angeles, Calif.
Application May 17, 1932, Serial No. 671,516
25 Claims. (Cl. 41—26)

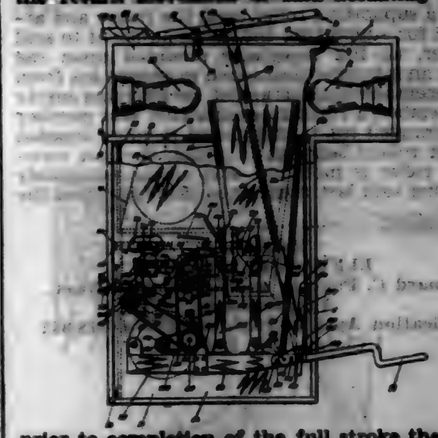


1. A sign including a cellulose body and metallic indicia adhering to a surface thereof primarily through the intimacy of the contact therewith.

4. The process of coating a cellulose body with metal which includes removing a portion of the volatizable matter from the surface of said body and subsequently directing molten metal particles thereagainst at high velocity.

2,631,071
PHOTOGRAPHIC COPYING APPARATUS
Bruno C. Rochri, Binghamton, N. Y., assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application January 13, 1932, Serial No. 651,459
Renewed July 17, 1935
6 Claims. (Cl. 88—24)

1. A photographic copying apparatus comprising a casing, a copy holder thereon having a pivoted platen, illuminating means therefor, film holding means in said casing, a shutter in the exposure path between said copy holder and said film, a single actuating means movable through a predetermined path, means actuated by the movement of said last named means in one direction for successively operating said platen, illuminating means and shutter, and means preventing the return movement of said actuating means



prior to completion of the full stroke thereof in the first named direction.

2,631,072
METHOD OF AND MEANS FOR SIGNALING
Hans Otto Roosenstein, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 5, 1933, Serial No. 669,431
In Germany May 18, 1931
12 Claims. (Cl. 250—5)



1. The method of reducing fading effect on the transmission of modulatory electrical energy which includes the step of, modulating said waves to a depth which varies exponentially as the amplitude of the modulating potential varies.

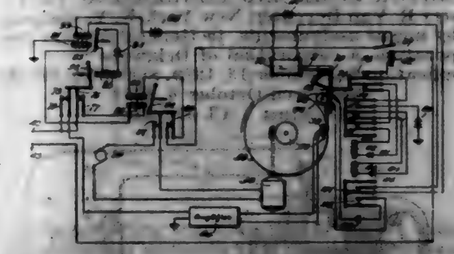
2,631,073
DIRECTION FINDER COMPENSATOR FOR DIRECT READING OF TRUE BEARINGS
Hans Schaefan, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 28, 1932, Serial No. 601,571
In Germany April 14, 1931
5 Claims. (Cl. 250—11)



1. A direction finder mechanical compensator for the direct reading of the true bearings comprising a scale, an indicator pivotally located at the center of said scale for reading the bearing of said scale, a replaceable cam having a periphery for providing the corrections necessary to secure direct readings of the true bearing

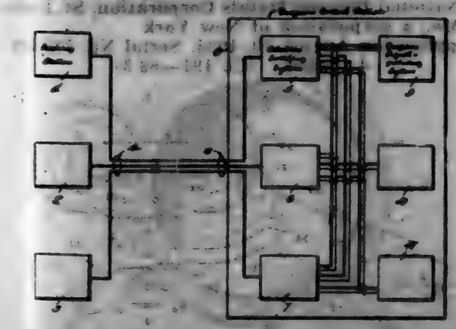
a parallelogram drive having arms, one of said arms joined to said indicator, a roller pivotally located at an extended portion of one of said arms, said roller adapted to revolve on the periphery of said cam, the relationship between the virtual displacement angle of the cam and the parallelogram drive, and the corresponding displacement angle of the indicator upon the scale having a greater angular ratio than 1 to 1.

2,631,074
AUTOMATIC PROGRAM SYSTEM
Gordon Brown Schaibell, Newark, N. J.
Application March 12, 1931, Serial No. 522,691
19 Claims. (Cl. 179—100.4)



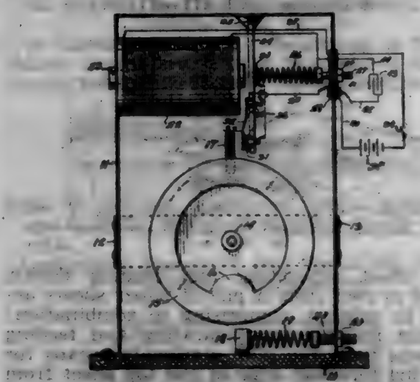
1. In a program system, a phonograph record having a program recorded thereon, an electrical pickup device for engaging with said record, a translating device, means for establishing an electrical circuit between said pickup device and said translating device, means controlled by the movement of said pickup device on said record for electrically disconnecting said translating device from said pickup device at a predetermined time, and means controlled by the movement of said pickup device on said record for moving said pickup device from a point on said record corresponding to the end of said program to a point on said record corresponding to the beginning of said program.

2,631,075
SELECTIVE PROGRAM SYSTEM
Gordon Brown Schaibell, New York, N. Y.
Application March 12, 1931, Serial No. 522,690
Renewed June 7, 1932
43 Claims. (Cl. 179—3)



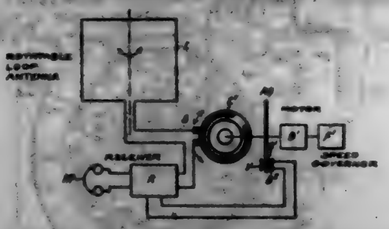
1. A selective program system comprising means adapted to produce program signals and including a program record, a plurality of program receiving stations, and switching means adapted to selectively distribute said program signals to said receiving stations, said switching means being controlled in accordance with predetermined movement of said program record.

2,631,076
ELECTRIC OSCILLATOR
Owen M. Shattuck and Mari E. Fulk, Phila, Ohio; said Shattuck assignor to said Fulk
Application June 12, 1934, Serial No. 730,365
4 Claims. (Cl. 172—126)



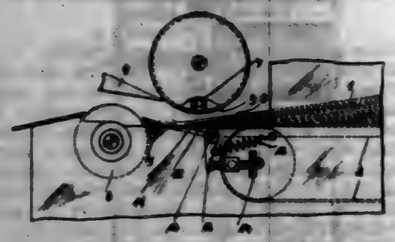
1. A device of the character described, including a wheel having a lug thereon, a spring disposed in the path of movement of the lug and struck by said lug after a predetermined movement of the wheel, the spring, when the inertia of the wheel has been overcome, acting to reverse the movement of the wheel, an electro-magnet, and means actuated by the magnet and engaged by said lug after a predetermined reverse movement of the wheel affecting energization of the electro-magnet and the movement of said means against the lug to reversely impel the wheel.

2,631,077
WIRELESS DIRECTION FINDING, BEARING FINDING, AND SIMILAR SYSTEM
Sidney Bertram Smith, Chelmsford, and Thomas Lydwell Eckersley, Weatheroak, Danbury, England, assignors to Radio Corporation of America, a corporation of Delaware
Application February 3, 1933, Serial No. 655,020
In Great Britain February 25, 1932
5 Claims. (Cl. 250—11)



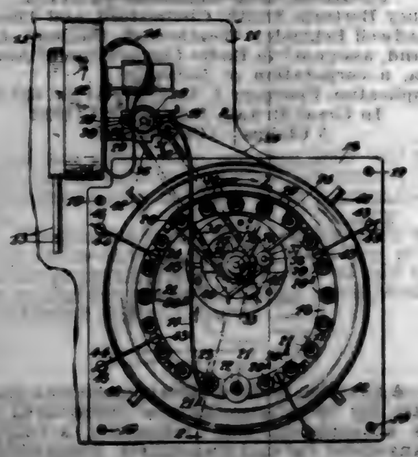
1. A direction finder system comprising a transmitter for the transmission of interrupted signals, an aerial for said transmitter, a coupling arrangement for said transmitter, comprising an interrupting device driven at a substantially constant pre-determined speed and a rotatable loop aerial coupled to a receiver having associated therewith an interrupting device comprising a rotatable disk to interrupt the signals from said transmitter and being driven at substantially the same speed as said transmitter, said interrupting device having means provided by said rotatable disk to differentiate between a desired signal from said transmitter and a subsequent repetition, the said desired signal being used for determining the point of origin of said signal.

2,031,078
SHEET SEPARATING AND FEEDING DEVICE
Georg Spicer, Leipzig, Germany
Application August 24, 1934, Serial No. 741,364
In Germany August 28, 1933
6 Claims. (Cl. 271—37)



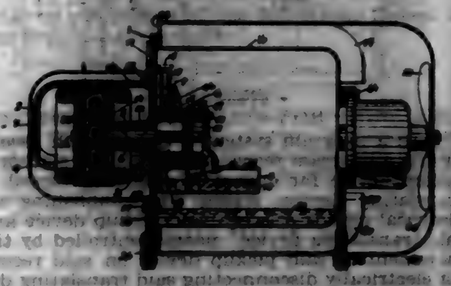
1. A sheet separating and feeding device, adapted to feed from a pile of paper sheets arranged in echelon, comprising in combination: a suction member for separating and feeding the sheets from the pile; stationary means for lifting the foremost edge of the top sheet from the edge of the second sheet to form a gap between the top sheet and the rest of the pile; means for adjusting said stationary lifting means; and an air blast member for blowing air into the gap; said stationary lifting means operating independently of the pile feed.

2,031,079
DEVICE FOR THE REWINDING OF PHOTOGRAPHIC FILMS
Hector J. Streyckmans, New York, N. Y., assignor, by mesne assignments, to Artexsotion Pictures, Inc. of New York, New York, N. Y., a corporation of New York
Application March 8, 1933, Serial No. 650,796
10 Claims. (Cl. 88—18.7)



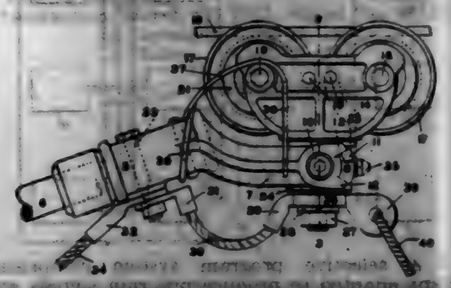
2. In a device for rewinding continuous motion picture film upon the top of the periphery of a substantially annular coiled roll thereof from the inside of which such film is returned to the projector head in an automatic projecting machine, in combination, an annular stationary reel for the coiled film comprising a circular series of idler rollers, an endless friction drive belt for revolving the coiled film on the reel passing over a chosen arcuate number of said idler rollers at the top of the circular series thereof in frictional driving engagement with the inner face of the innermost coil of said film and passing around the terminal rollers in said upper arcuate number thereof to the inside of said reel, and a driving pulley for said belt around which it passes within said reel, one of said idler rollers in the bottom portion of said circular series thereof being an outwardly flaring cone-shaped roller so as thereby effectively to serve as a film-delivering roller around which the innermost coil of said film passes inwardly and upwardly at the outside of said coiled roll thereof in the upwardly returning movement of this portion of said continuous film to said projector head.

2,031,666
MOTOR PUMP AND CONDENSING UNIT
Harry R. Van Deventer, New York, N. Y., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application September 12, 1932, Serial No. 632,381
Renewed October 6, 1933
11 Claims. (Cl. 62—115)



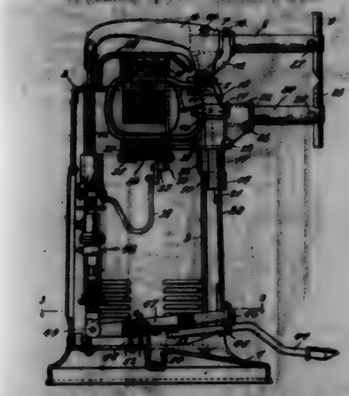
1. In a motor-pump unit, the combination of a motor and pump, a common support therefor comprising a plate, said plate having apertures in communication with the intake to and exhaust from said pump, a casing forming with said support a gas-tight chamber, means within said chamber for retaining a body of lubricant, means for supplying said lubricant to the motor and pump, and means in said chamber for retaining a body of liquid separate from said lubricant;

2,031,671
ELECTRIC CURRENT COLLECTOR
Albert Vigna, Webster Groves, Mo., assignor to National Bearing Metals Corporation, St. Louis, Mo., a corporation of New York
Application August 10, 1934, Serial No. 739,157
4 Claims. (Cl. 191—61.3)



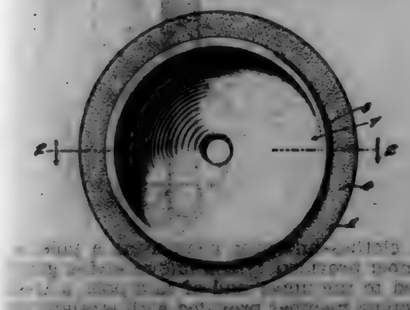
1. In a device of the class described, the combination with a truck, of collector wheels mounted thereon, a vertical pivot pin carrying said truck, a pivot block in which said pivot pin is mounted, and a trolley harp provided with transverse engaging said pivot block.

2,031,672
WELDING MACHINE
Edmund J. von Henke, Chicago, Ill., assignor to American Electric Fusion Corporation, Chicago, Ill., a corporation of Illinois
Application February 5, 1934, Serial No. 709,879
6 Claims. (Cl. 219—4)



1. In a welding machine, a base having a support extending upwardly therefrom, a horizontally extending pin mounted on said support, two members both pivotally mounted on said pin, one extending upwardly and the other downwardly therefrom and one resting against said support to prevent rotation on the pivot in one direction, horns mounted in said members, and electrodes mounted in said horns and facing towards each other whereby upon pivotal movement of said members with respect to each other said electrodes may be brought into close proximity to weld work therebetween, and means for supplying electric current to said electrodes.

2,031,962
GUIDE OR SUPPORT FOR MOLTEN GLASS
Charles A. Weller, Bloomfield, N. J., assignor, by direct and mesne assignments, of one-half to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey, and one-half to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania
Application January 21, 1933, Serial No. 652,816
4 Claims. (Cl. 49—55)

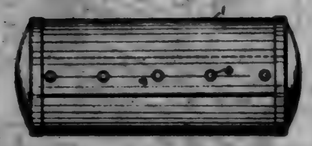


1. In the manufacture and handling of glass, a metallic part required to be in direct contactual relation with molten glass in such a state that the glass is capable of flowing and wetting metal, said part formed of an alloy of platinum and rhodium, wherein platinum constitutes the major portion.

2,031,964
BLASTING ASSEMBLY
Vernon Harcourt Williams, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application October 3, 1933, Serial No. 692,672. In Great Britain October 5, 1932
1 Claim. (Cl. 102—5)

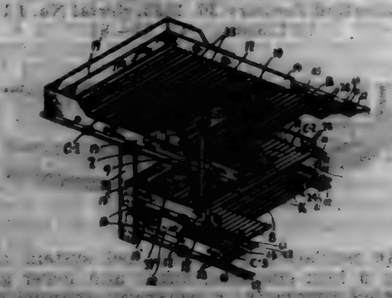
A blasting assembly, comprising a blasting charge loaded into a bore hole, and a tamping charge consisting of solid carbon dioxide.

2,031,965
METHOD OF FORMING METAL CONTAINERS
John F. Werder, Lakewood, Ohio, assignor of one-half to Edmund Rogers, South Euclid, Ohio
Application January 9, 1931, Serial No. 507,711
3 Claims. (Cl. 113—120)



2. The method of making a metal container body consisting in forming corresponding unbroken embossed projections and apertures respectively in the two end portions of a strip of metal of proper length for the body to be formed, closing the strip so as to form an overlapping joint with the projections engaging in the apertures, clamping the joint along the two sides of the registering projections and apertures so as to hold the overlapping portions in effective engagement to the extreme edges thereof and leaving access to the projections and apertures, and applying solder to the joint through the apertures while in such clamped condition.

2,031,966
ROASTING APPARATUS
Maurice D. Woodruff, William H. Mechlin, and Jonathan Markley, Springfield, Ohio, assignors to The Bauer Brothers Company, Springfield, Ohio, a corporation of Ohio
Application December 21, 1933, Serial No. 703,436
1 Claim. (Cl. 34—35)

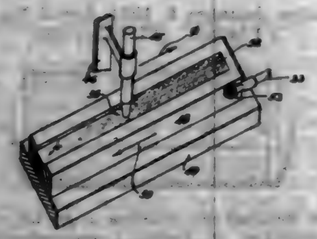


In an apparatus of the character described, a conveyor for material consisting of a frame and a bottom member of sheet metal formed separately from the frame, said frame having longitudinally extending grooveways, and projections on said bottom loosely extending into said grooveways to support said bottom from said frame and to permit expansion and contraction of said bottom relatively to said frame.

2,031,667
REFRIGERANT MIXTURE
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application March 20, 1933, Serial No. 661,789
1 Claim. (Cl. 252—5)

A refrigerant mixture for the absorption type of refrigeration apparatus consisting of normally liquid dichlor benzol as a solvent, and methyl chloride as a refrigerant.

2,031,668
METHOD AND APPARATUS FOR FUSING METALS
John A. Zublin, Bel Air, Calif.
Application August 6, 1934, Serial No. 735,684
5 Claims. (Cl. 75—22.5)



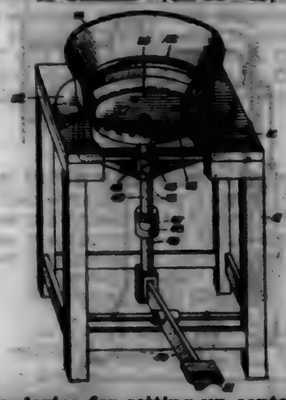
1. The process of forming a substantially homogeneous solid body of constituents slightly soluble in each other and present in amounts greatly in excess of their mutual solubility, that includes forming an intimate and uniform mixture of the constituents, placing the mixture in a cool mould, progressively moving over and through the mixture an electric arc which rapidly melts entirely that small portion of the mixture surrounding the arc, but without materially heating the mould, and immediately chilling this small molten portion in the cool mould as soon as the arc moves on, thus solidifying this small molten portion with all of its constituents in substantially the same uniform distribution as in the initial mixture.

2,031,669
OSCILLATION-TYPE LOCK
James L. Adams, Jr., Youngstown, Ohio
Application January 30, 1935, Serial No. 4,112
13 Claims. (Cl. 61—8)



2. An oscillation type canal lock system, comprising a lock chamber, upper and lower gates connected therewith, a waterway channel connecting with the outer side of the upper gate, a Venturi bell connected by its large end into the bottom portion of the said lock chamber, a fluid control valve connected to the small end of the said Venturi bell, and a long fluid inertia tube having a free outer end and connected by its inner end to the said valve, the said outer end rising to a height comparable with that of the said waterway channel.

2,031,680
MEANS FOR SETTING-UP COLLAPSIBLE CONTAINERS
Earl W. Barnard, Morris, Ill., assignor to Morris Paper Mills, Morris, Ill., a corporation of Illinois
Application July 17, 1933, Serial No. 680,741
19 Claims. (Cl. 93—55)



1. In a device for setting up containers of the type having a body portion with tongues on the lower edge thereof adapted to interlock with a bottom member having complementary interlocking elements, means for rotating the tongues along the lower edge of said body member into inwardly turned position, means for supporting a bottom member having complementary interlocking elements, and means for producing relative motion between said body portion and bottom member, whereby to interlock said tongues and said bottom member.

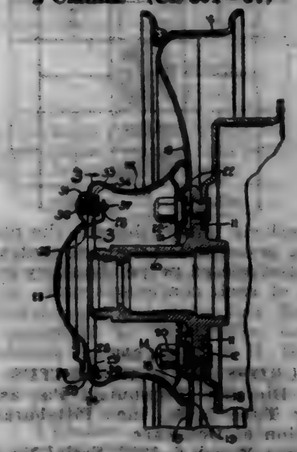
2,031,681
CLOTHESLINE PROP
Nanstad Berg, Cleveland Heights, Ohio, assignor of one-half to Joseph H. Bruce, Shaker Heights, Ohio
Application November 8, 1932, Serial No. 637,121
1 Claim. (Cl. 248—353)



A clothes-line prop comprising a pole, a head member provided with a line receiving groove secured to the upper end of said pole, a U-shaped clamping member provided with straight parallel sides conforming closely to the shape of the pole movably secured thereto with the closed end thereof adjacent said head member and the free ends extending longitudinally of said pole, a laterally offset portion on said U-shaped clamping member overlying said groove for engagement with a line positioned therein, said head member

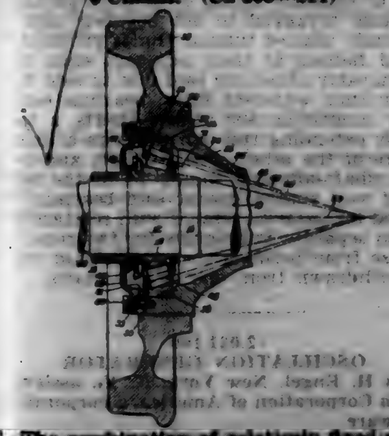
being provided with apertures for the reception of the straight parallel sides of said U-shaped clamping member, and a lever pivotally connected to said pole and to the free ends of said U-shaped clamping member for operating the same.

2,031,682
HUB CAP AND COVER
Russell S. Begg, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 19, 1929, Serial No. 333,727
5 Claims. (Cl. 301—37)



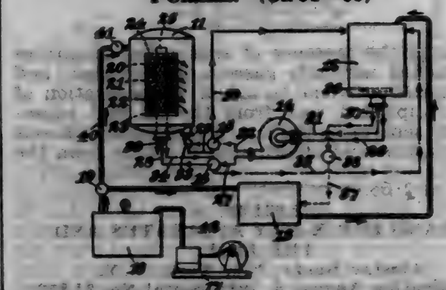
1. A hub cover concealing the attaching means for bolted-on wheels comprising a substantially cylindrical barrel member encircling said attaching means and having its rear edge reversely curved and seated against the wheel body, and attaching means adapted in securing the barrel member to be placed under tension and adapted to hold said rear edge of the cover against the wheel body under such tension.

2,031,683
WHEEL AND AXLE ASSEMBLY
Frederic H. Bender and Fred E. Bachman, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application April 3, 1931, Serial No. 528,549
6 Claims. (Cl. 308—214)



1. The combination of relatively fixed and rotatable members, anti-friction bearings therebetween, said bearings including inner and outer race rings, frusto-conical rollers disposed between said race rings sloping outwardly of said assembly and away from said inner race ring, the large ends of said rollers disposed outwardly, a cage spacing said rollers and urged to rotary movement by said outer race ring, the inner race ring having a convexed bearing surface, the outer race ring having a bearing surface of straight line elements and being provided with a thrust shoulder adjacent the outer end, each of said rollers having a spherical bearing surface contacting a complementary spherical surface formed on said thrust shoulder.

2,031,694
IMPREGNATION OF TEXTILE MATERIALS WITH RUBBER-CONTAINING LIQUIDS
Joseph Brandwood, Southport, England
Application June 14, 1933, Serial No. 675,833
In Great Britain July 13, 1932
4 Claims. (Cl. 91—68)



1. A process for the impregnation of prepared textile yarns with a rubber-containing liquid which comprises winding the yarns in coil form with an open wind on a foraminous support, continously circulating the rubber-containing liquid through the wound packet at a pressure above atmospheric, draining the liquid out of contact with the coiled yarns, and removing excess of liquid from the yarns by passing a compressed gas at a pressure above atmospheric between the wound coils.

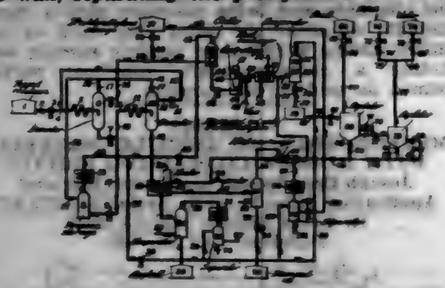
2,031,695
PROCESS FOR SEPARATING WAX FROM OIL
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application May 17, 1932, Serial No. 611,923
8 Claims. (Cl. 196—19)

4. A process for the separating of wax from oil containing wax which does not contain sufficient asphaltic material to promote crystallization of the wax, which comprises mixing said oil with asphalt, commingling said oil and asphalt with liquid propane to dissolve the oil and wax and precipitate the asphalt, chilling the propane solution of oil and wax in the presence of the insoluble asphalt to precipitate wax, removing the asphalt and wax from the oil and propane and removing the propane from the substantially wax free oil.

2,031,696
PROCESS FOR PRODUCING LUBRICATING OIL
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Original application October 8, 1928, Serial No. 490,724. Divided and this application October 14, 1933, Serial No. 693,644
5 Claims. (Cl. 196—19)

1. A process for separating wax from oil con-

taining the same which comprises commingling said oil with a liquefied normally gaseous hydrocarbon and a chlorinated ethylene selected from the class consisting of dichlorethylene and trichlorethylene, chilling the mixture to precipitate the wax, separating the precipitated wax from



the oil in the presence of substantial quantities of liquefied normally gaseous hydrocarbon and chlorinated ethylene to aid in the separation of the precipitated wax from the oil and subsequently separating the liquefied normally gaseous hydrocarbon and chlorinated ethylene from the oil.

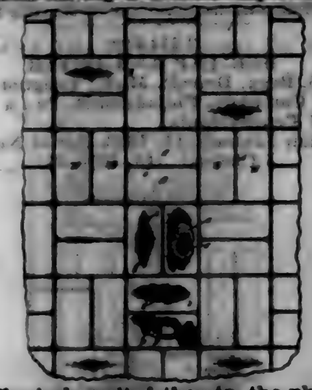
2,031,097
STAND FOR X-RAY APPARATUS AND THE LIKE
Gustav Bucky, New York, N. Y.
Application August 6, 1935, Serial No. 34,873
5 Claims. (Cl. 248—123)



1. A movable stand for X-ray apparatus and the like comprising a head rotatable about a vertical axis and being provided with a hole passing through the head in vertical direction, a holding member supported by said head and adapted to be swung about a horizontal axis, an elongated member carried by said holding member and adapted to be longitudinally moved in relation to said holding member, whereby said elongated member may be inclined in relation to the vertical axis as desired and may be passed at least partly through the hole of said head when in vertical position, and means for holding said elongated member in an adjusted position.

2,031,098
DEVICE FOR PROTECTING CONCRETE
Sam F. Carf, St. Louis, and Ervin W. Carf, Clayton, Mo.
Application December 11, 1933, Serial No. 701,712
1 Claim. (Cl. 154—46)

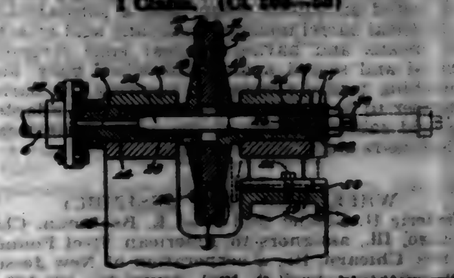
A blanket to be used in covering and curing newly laid concrete, made of a plurality of united



substantially square units of discarded fabric bags, each unit composed of two approximately equal rectangular portions joined centrally by a seam and having a flexible impervious ma-

terial adhesively united thereto, the plurality of units being so connected that the central seam of each unit is disposed perpendicularly to the central seam of each contiguous unit.

2,031,099
CROSS-ROLL APPARATUS
August P. Diescher, Pittsburgh, Pa., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa., a corporation of Delaware
Application March 6, 1933, Serial No. 659,773
1 Claim. (Cl. 266—58)

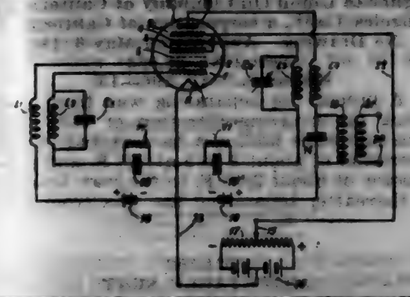


In a cross-rolling mill, the combination with a pair of helically acting cross-rolls, an annular guide disc arranged to act between said rolls, two axially aligned tubular shafts provided with opposed flanges at their adjacent ends, means for removably attaching said disc to said flanges between their adjacent faces, bearings each rotatably supporting one of said shafts, a rod removably extending through the bore of one into the bore of the other of said shafts and having a close shaft-aligning sliding fit in the bore of each of said shafts, one of said bearings being mounted for axial movement with relation to the other to separate said shafts for the removal of said disc from between them after said rod has been withdrawn from one of the shafts.

2,031,100
OSCILLATION GENERATOR
Francis H. Engel, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 10, 1934, Serial No. 743,291
7 Claims. (Cl. 250—36)

1. A vacuum tube having an inner oscillator section and an outer section, means for causing said two oscillator sections to generate currents

of different frequencies, and an output circuit traversed by currents of the beat frequency and means including an electrode in said tube be-



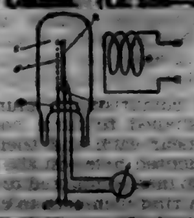
tween said sections for controlling the amplitude of the beat frequency oscillations generated without change of frequency thereof.

2,031,101
ARRANGEMENT ADAPTED TO GENERATE ULTRA SHORT ELECTROMAGNETIC WAVES
Eduard Fetterowsky and Heinz Lax, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 1, 1933, Serial No. 678,570
In Germany July 13, 1932
7 Claims. (Cl. 250—36)



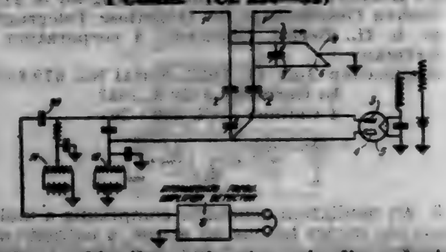
1. An ultra short wave circuit comprising an electron discharge device having anode, cathode and control electrodes, a source of potential in circuit with said cathode and control electrode for applying to said control electrode a high positive potential with respect to cathode, and means excluding the use of a separate source of anode potential for causing said anode to be at a negative potential with respect to said cathode, said last means comprising an effective resistance connected between said anode and cathode which is arranged to be traversed by the current in said anode circuit.

2,031,102
PHOTOELECTRIC TUBE
Heinrich Geffcken and Hans Richter, Leipzig, Germany, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 25, 1931, Serial No. 551,216
In Germany July 31, 1930
17 Claims. (Cl. 250—27.5)



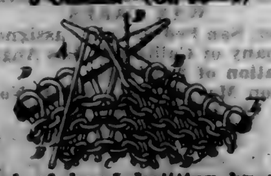
1. The method of manufacturing light responsive electrodes for photoelectric tubes which comprises coating a conductor in said tube with a salt of a heavy metal, producing a glow discharge in an atmosphere of attenuated oxygen within said tube thereby converting the said salt into an oxide, admitting cesium into said tube, and applying heat to coat the cesium on the oxide.

2,031,103
ULTRA SHORT WAVE RECEIVER
Ralph W. George, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 11, 1933, Serial No. 651,097
1 Claim. (Cl. 250—33)



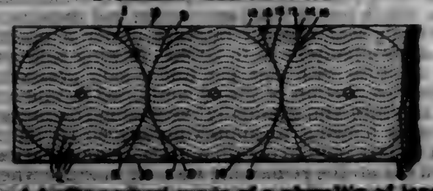
The combination with a two wire line adapted to carry currents of a predetermined frequency, of individual linear conductors having effective electrical lengths approximately equal to a quarter wave length of said currents extending from each of said wires to ground, and a tunable condenser connected across said conductors, the inductance of said conductors and the capacity of said condenser forming a parallel resonant circuit tuned to said predetermined frequency.

2,031,104
METHOD OF HAND KNITTING
Nan Gilpin, Riverside, Ill.
Application June 11, 1934, Serial No. 729,995
5 Claims. (Cl. 66—1)



1. Method of hand knitting by use of two pointed needles on one of which the stitches are formed successively which comprises causing an elastic thread to be passed, during the knitting operation, through the inter-engaged stitch forming loops of the yarn constituting the body of the knitted fabric.

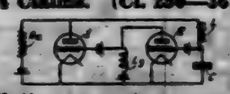
2,031,105
BUFFING WHEEL
Elisha W. Hall, Scituate, Mass.
Application August 3, 1934, Serial No. 738,175
3 Claims. (Cl. 51—276)



1. A buffing wheel made of a plurality of layers of fabric secured together by rows of stitching which extend entirely across the annular face of

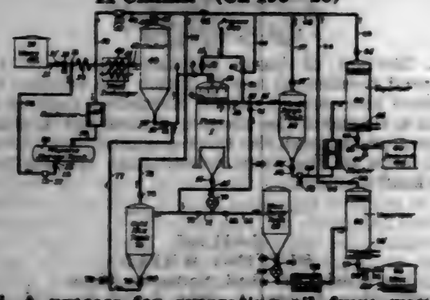
the wheel in lines which are equidistant apart throughout their length and which curve adjacent the periphery of the wheel in such manner as to form angles with tangents at the points of intersection with said periphery which are respectively greater and less than a right angle, the lines of stitching thereby causing the wheel to act hard when rotated in one direction and relatively soft when rotated in the other direction.

2,031,106
PRODUCTION OF OSCILLATIONS
Kurt Heegner, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 11, 1933, Serial No. 679,855
In Germany July 8, 1932
4 Claims. (Cl. 250—36)



3. An oscillation generator comprising a multi-electrode device having an anode, a cathode and a control electrode, a series tuned circuit tuned to a desired frequency of operation directly connected between said anode and cathode, said series tuned circuit including a coil, a resistance whose value is substantially equal to the resistance of said coil at the tuned frequency connected effectively in shunt to said series tuned circuit, an inductance connected between said control electrode and cathode, and means including an electron discharge device for coupling said inductance to said series tuned circuit, said last device having electrodes directly connected both to said inductance and to said tuned circuit.

2,031,107
PROCESS FOR SEPARATING OIL FROM WAX CAKES
Basil Hopper, San Pedro, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application May 23, 1934, Serial No. 727,841
11 Claims. (Cl. 196—20)

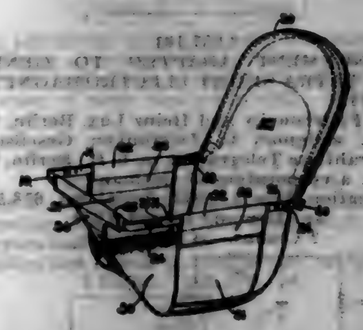


4. A process for separating oil from wax-oil mixtures which comprises passing a condensable gas which gas in the liquid state will dissolve oil, through said wax-oil mixture under a pressure of approximately 10 to 20 lbs., flowing said wax-oil mixture with said gas under said pressure to remove a portion of the oil contained in said wax-oil mixture and gradually increasing the pressure of said blowing to approximately 50 to 100 lbs. per square inch to obtain a partial condensation of said gas on the remaining wax-oil mixture whereby said wax-oil mixture is simultaneously blown and partially washed to separate further quantities of oil from said wax-oil mixture.

2,031,108
PROCESS FOR REMOVING WAX FROM OIL
Basil Hopper, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application May 6, 1935, Serial No. 20,853
6 Claims. (Cl. 196—19)

5. A process for separating wax from a wax-bearing oil involving filtration or cold settling which comprises adding a hard asphalt having a penetration of about 3 to 5 at 77° F. and a melting point of about 200° F. to the wax-bearing oil and thereafter separating the wax from the oil.

2,031,109
ADJUSTABLE SEAT
Jacob Kersten, Kalamazoo, Mich.
Application June 25, 1934, Serial No. 732,196
6 Claims. (Cl. 155—17)



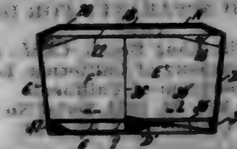
3. In combination, a seat frame, a back frame pivoted at one end thereof, a flexible seat portion, a flexible back portion attached between the seat portion and the back frame, sides attached to the seat portion at their bottom edges and fastened to the seat frame at their top edges, a strip fastened to the seat portion and adjustable means between the strip and the seat frame whereby the seat portion may be controlled, said movement of the back frame relatively to the seat frame also causing positioning of part of the seat portion.

2,031,110
MULTIPLE RING BRACELET
Clifford G. King, Barrington, R. I.
Application March 6, 1935, Serial No. 10,785
10 Claims. (Cl. 63—3)



1. A bracelet, comprising a plurality of split ring members shaped to form cooperating attaching means near each end thereof and having diamond indented holes on the outer surface thereof and clasp means adapted to extend transversely over said ring members to cooperate with said cooperating attaching means to hold said ring members in side by side relationship and against rotative movement thereon.

2,031,111
CARTON AND BLANK FOR FORMING THE SAME
Henry Kendall, New York, N. Y., assignor to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware
Application July 24, 1933, Serial No. 681,870
5 Claims. (Cl. 229—16)



1. A container formed from a continuous sheet of material having a cover panel provided with a central portion adapted to be raised above the outer edges of the cover panel, insert flaps carried by two opposite side panels and separated from the two other opposite side panels by convergent slots, said insert flaps being provided at the outer ends of said slots with divergent walls so designed as to bring the outer edge of the insert panel carried by one side panel in abutting relation to the outer edge of an insert panel carried by the opposite side panel whereby to form a container of fixed cubical contents, and a bottom carried by one of said panels.

2,031,112
POWER TUBE
Wilhelm Eberhard Köhle, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 4, 1931, Serial No. 520,061
In Germany March 7, 1930
1 Claim. (Cl. 250—27.5)



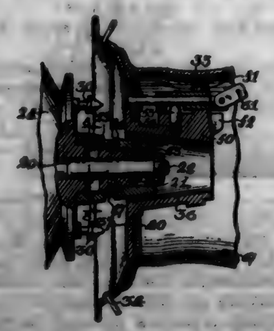
An electron discharge power tube having electrodes, at least one of said electrodes having hollow double iron walls, and a liquid cooling means within said hollow walls having a coating of tin to protect the iron walls from the formation of incrustations where said hollow walls are in contact with the cooling liquid.

2,031,113
ALLOYS
Robert H. Leach, Fairfield, Conn., assignor to Handy & Harman, New York, N. Y., a corporation of New York
No Drawing. Application April 17, 1934, Serial No. 720,949. Renewed July 9, 1935
5 Claims. (Cl. 75—1)

1. An alloy which consists of silver in an amount ranging from about 90% to about 99.5%, beryllium ranging from about 0.1% to about 1.75%, and the remainder copper.

2,031,114
DEMOUNTABLE WHEEL
Louis Lebel, Sherbrooke, Quebec, Canada, assignor to Joseph J. Rosenthal, New York, N. Y.
Application January 4, 1934, Serial No. 705,225
4 Claims. (Cl. 301—9)

4. In combination with a vehicle axle, demountable wheel fastening mechanism comprising a hub adapted to be secured on the vehicle axle, a sleeve threaded over said hub and adjustable axially thereon, a radial flange associated with the hub, a plurality of studs projecting from said flange, said studs each having a circumferential groove cut therein with a face of said groove angularly disposed to form a cam surface, a wheel adapted to be fitted over



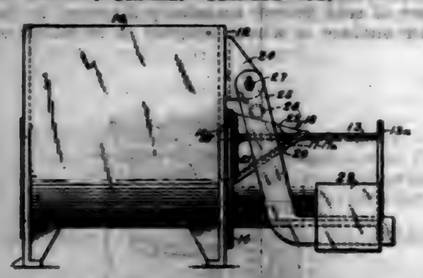
said sleeve and having a socket member formed to engage said sleeve, means on the wheel adapted to engage the studs projecting through apertures of the wheel socket member, said means embodying cam faces cooperating with that of the studs, and means on the axle for locking the sleeve thereon so as to permit accurate positioning of the socket member with respect to the cam faces of the studs.

2,031,115
SANITARY TOOTHBRUSH HOLDER
Charles V. Lindbloom and Lily W. Lindbloom, Cranford, N. J.
Application October 12, 1934, Serial No. 748,064
4 Claims. (Cl. 206—15.1)



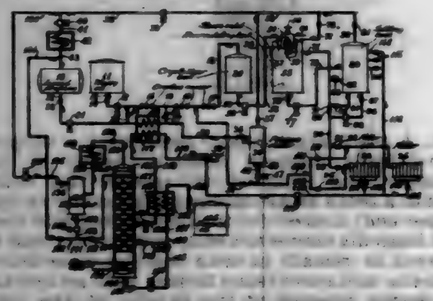
1. A tooth brush holder comprising a support; a vertically disposed housing carried by said support and adapted to receive the bristle end of a tooth brush, said housing having an open upper end; a cover for the open end of said housing hingedly connected with said support and arranged to remain in open position when moved thereto, said cover being formed with an aperture to permit passage of the handle of the tooth brush; means actuated by the weight of said brush when inserted into said housing to close said cover with the handle of the brush projecting through said aperture, the bristle portion of said brush being adapted to engage the underside of said cover and to tip it to open position by the removal of the brush from said holder.

2,031,116
SAFETY OUTLET CLOSURE FOR CONVEYERS
Willard B. McBurney, Atlanta, Ga.
Application December 24, 1934, Serial No. 759,036
7 Claims. (Cl. 198—64)



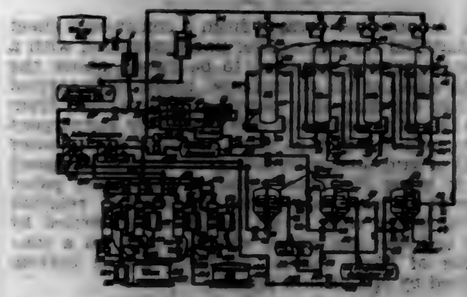
1. In a force-feeding conveyer for conveying coal or other material which may have hard or tough impediments therein, the combination of a hopper having an upright wall provided with an outlet-opening, a hollow conduit having an open end united with said wall and in open communication with said outlet-opening, said conduit having an upper weighted section which is normally displaceable and normally covers an eliminating opening and is provided with a pusher-element that normally extends into said outlet-opening of said wall, said displaceable upper section and the sub-jacent part of the conduit having normally unfastened adjoining edges that are inclined upward and away from the hopper in proper relation to permit the displaceable upper weighted section to slide forward and upward on said sub-jacent part, and a force-feeder extending from said hopper substantially to said conduit and being movable near to said pusher element; whereby, when an impediment is forced by said force-feeder against said pusher-element, the latter causes displacement of said upper section against resistance of its weight and thereby opens said eliminating opening.

2,031,117
PROCESS FOR DEWAXING OIL
David R. Merrill, Long Beach, and Philip Subkow, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application October 24, 1931, Serial No. 639,340
11 Claims. (Cl. 196—18)



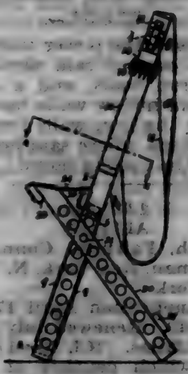
5. A method of chilling a wax-containing oil which comprises mixing said oil with a liquefied normally gaseous hydrocarbon, flowing said mixture from the initial mixing zone to a final zone of chilling, maintaining said mixture in a confined stream and without removal of vapor from said stream during said flow, and introducing chilled liquefied normally gaseous hydrocarbon diluent into said flowing stream between the initial mixing zone and the final zone of chilling, said introduction of chilled diluent being in an amount regulated to avoid shock chilling the wax.

2,031,118
PROCESS AND APPARATUS FOR DEWAXING OILS
David R. Merrill, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application May 22, 1934, Serial No. 726,963
15 Claims. (Cl. 62—176)



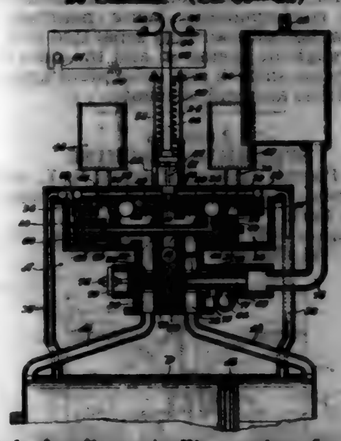
9. A process for chilling liquids which comprises mixing the liquid to be chilled with a volatile liquid refrigerant under superatmospheric pressure, commingling said mixture with a sufficient quantity of previously chilled liquid to reduce the temperature of the mixture to be chilled to substantially that of the previously chilled liquid and removing vaporized liquid refrigerant from the combined mixtures.

2,031,119
COMBINATION STOOL AND CARRIER
Robert E. Moreland, Galveston, Tex.
Application December 18, 1933, Serial No. 702,533
4 Claims. (Cl. 150—1.5)



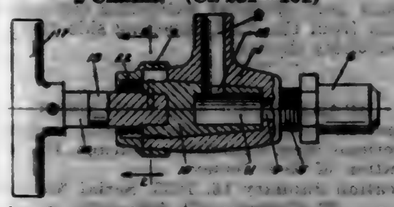
1. A carrier for golf equipment comprising a single pair of substantially rigid side members spaced apart, cross members securing the side members in spaced relation and forming an approximately rectangular frame, said cross members being shaped and arranged to support golf clubs in approximate alignment with the side members, legs pivoted to the side members, a flexible seat forming a support and secured to said side members and to said legs, said clubs and cross members being arranged to form a back rest.

2,031,120
STOKER CONTROLLING DEVICE
Harold S. Morton, St. Paul, Minn., assignor to The Stott Stoker Company, St. Paul, Minn., a corporation of Delaware
Application February 15, 1932, Serial No. 593,913
20 Claims. (Cl. 60—52)



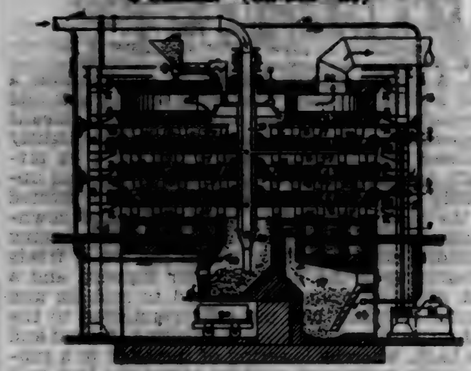
1. A hydraulic controlling system for a piston including, a cylinder in which said piston reciprocates, a supply tank for operating fluid, valve means immersed in said tank, a pump for forcing liquid from said tank to said valve under pressure, a fluid passage from said valve to said cylinder, means for regulating said valve to cause a flow of fluid through said valve from said tank through said conduit to said cylinder to reciprocate the same back and forth, and means inoperable under normal pressures in said valve for automatically relieving the abnormal pressure built up by the stopping of said piston by an obstruction.

2,031,121
VALVE STRUCTURE
Erwin H. Mueller, Detroit, Mich.
Application May 12, 1934, Serial No. 725,216
2 Claims. (Cl. 251—161)



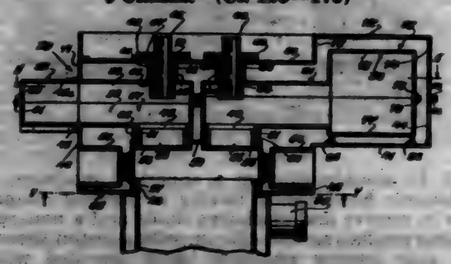
1. A valve member of unit construction for use with a hollow valve body having a tapered valve seat therein comprising, a tapered valve plug formed to fit into the tapered seat of the valve body and adapted to be turned relative to the seat to open and close the valve, the larger end of the plug having a recess therein disposed substantially on the turning axis of the plug, the walls of said recess having internal serrations thereon extending in an axial direction, a stem of bar stock having one end arranged to receive an operating handle and being of smaller cross dimension than the plug, the opposite end having serrations thereon extending in an axial direction, the serrated end of the stem being slightly oversize relative to the recess in the plug, and said serrated end of the stem being fitted into the recess with a driving fit, said serrations interfitting to lock the stem and plug together against relative rotation, and means for tying the plug and stem together against axial separation whereby the plug and stem are permanently assembled as a unitary structure, said unitary structure of plug and stem capable of being assembled in and disassembled from operating relation with the valve body.

2,031,122
FURNACE FOR ROASTING SULPHUROUS ORES
Wilhelm Mueller, Gleiwitz, Germany
Application October 12, 1933, Serial No. 693,433
In Germany October 18, 1932
5 Claims. (Cl. 263—34)



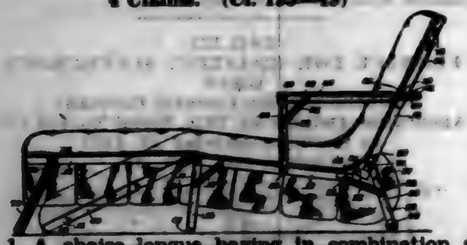
1. A roasting furnace for roasting sulphurous ores, zinc blende, pyrites or for calcining any ores, comprising in combination a plurality of superposed roasting hearths formed by hearth plates alternately stationary and rotary and each having a plurality of radial grooves in their under side, rabble arms one removably inserted in each of said grooves from the outer side of the furnace and extending the whole length of said grooves, and a plurality of downwardly projecting rabble teeth exchangeably fixed at a distance apart on each of said arms and removable therewith.

2,031,123
HEAD FOR INTERNAL COMBUSTION ENGINES
Maurice E. Mutchler, Buffalo, N. Y.
Application November 1, 1932, Serial No. 640,614
9 Claims. (Cl. 123—173)



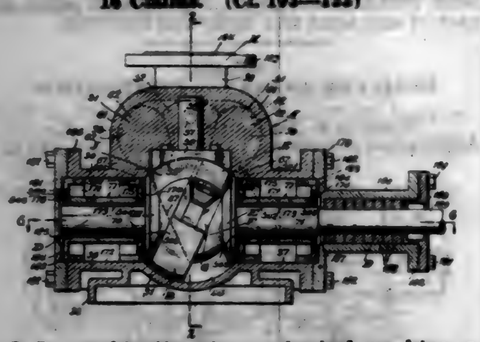
1. A head for an internal combustion engine including a housing which consists of preformed sheet metal sections, the companion edges of said sections being spaced throughout a portion of their extent to provide an opening, a sheet metal intake manifold and a sheet metal exhaust manifold, one of said manifolds being arranged in said opening and being partially enclosed by said sections, said housing and manifolds co-operating to provide a chamber through which a cooling medium may be circulated and being permanently secured together in a composite unit.

2,031,124
CHAISE LONGUE
Hugo Ferien, Chicago, and Charles F. Pearce, Jr., Glencoe, Ill., assignors to Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware
Application May 15, 1933, Serial No. 671,642
4 Claims. (Cl. 155—49)



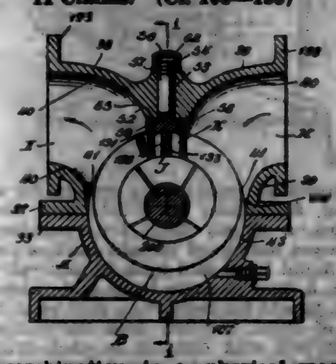
1. A chaise longue having in combination a seat, a back pivotally connected to said seat and normally inclined upwardly therefrom, means supporting said seat normally in position slightly inclined from the horizontal, including a leg pivotally connected to the back rearwardly and upwardly of the point at which the back is pivoted to the seat and inclined rearwardly and downwardly therefrom, the lower end of said leg being provided with means by which the leg is freely movable upon the floor or other support, and a link pivotally joined at one end to said leg and having its other end pivotally connected to the seat forwardly of the pivot connecting the seat and the back, whereby lowering of the back to a substantially horizontal position raises the seat to a substantially horizontal position.

2,031,125
SPHERICAL MACHINE
Frank A. Peschl, Jackson Heights, N. Y., assignor to Ereopha, Inc., New York, N. Y., a corporation of New York
Application February 6, 1934, Serial No. 709,934
16 Claims. (Cl. 103—123)



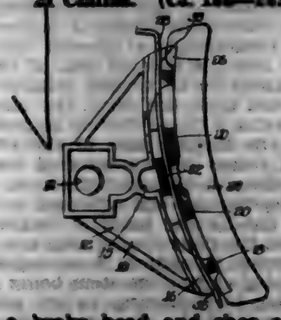
3. In combination, in a spherical machine, a relatively fixed casing having an interior chamber to receive and discharge fluids and a non-rotating oscillating disc-like impelling piston therein, said interior chamber being provided with rotating side walls and wth a peripheral wall and said piston being positioned obliquely within said chamber, said side walls being provided with extended surfaces conforming to substantial areas on the sides of the piston and said peripheral walls being provided with elongated gore-like port openings, said conformations being formed by positioning the oscillating impeller so obliquely within said interior that the portions of said impeller which converge towards said side walls will extend below the converging surface of said side walls, said side walls being bevelled off at diametrically opposite places to receive the converging sides of said impeller, and said ports extending substantially around the major portion of the spherical periphery of said interior and converging to substantially pointed apices substantially diametrically opposite their entrance to said interior, the adjuxtapositioned surfaces causing said conformations being maintained in parallelism but substantially separated from each other throughout operation and the sides of said impeller being smooth and continuous and devoid of projections and embossments.

2,031,126
SPHERICAL MACHINE
Frank A. Peschl, Jackson Heights, N. Y., assignor to Ereopha, Inc., New York, N. Y., a corporation of New York
Application July 17, 1934, Serial No. 735,553
11 Claims. (Cl. 103—123)



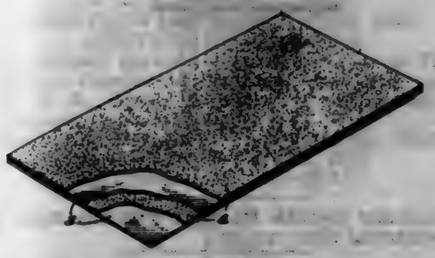
3. In combination, in a spherical machine, a casing having an interior chamber to receive and discharge fluids and an oscillating disc-like impelling piston therein, said interior chamber being provided with side walls and with a peripheral wall and said piston being positioned obliquely within said chamber, said side walls being provided with extended surfaces conforming to substantial areas on the sides of the piston and said peripheral wall being provided with extended port openings, and said impeller being provided with auxiliary port openings extending through said impeller from the fluid impelling side thereof to the periphery thereof.

2,031,127
BRAKE HEAD ARRANGEMENT
Armand H. Peycke, Kenilworth, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 16, 1933, Serial No. 651,882
21 Claims. (Cl. 188—243)



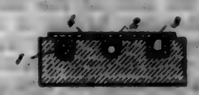
1. In a brake head and shoe assembly, the combination of a brake head having toe lugs adjacent the ends thereof, a brake shoe carried by said head and having a center lug, and a resilient key engaging the toe and center lugs only of said brake head and shoe and flexed therebetween for securing said shoe to said head.

2,031,128
ELECTROLYTIC CONDENSER AND METHOD OF MAKING THE SAME
Arnold Haines, Brooklyn, N. Y.
Application July 19, 1933, Serial No. 681,086
12 Claims. (Cl. 175—315)



1. An electrolytic condenser composed of a plurality of electrodes, at least one of which is film-forming, said electrodes being separated by finely divided non-conducting crystals affixed to one of the electrodes.

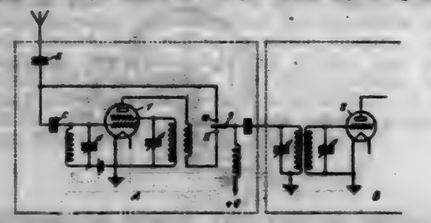
2,031,129
METHOD OF MAKING SHAPED BODIES OF NONPLASTIC METALLIC OXIDES
Reinhold Reichsmann, Berlin, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application January 6, 1932, Serial No. 650,462
In Germany November 19, 1932
10 Claims. (Cl. 25—156)



1. The method of producing shaped bodies of non-plastic metallic oxides which consists in reducing a metallic oxide to a granular state, thinly coating the oxide granules with a foreign binding agent by rolling the oxide and the binding agent in the presence of pressure, extruding the resulting plastic mixture to form said bodies, drying said bodies and sintering said bodies at a temperature above 1600° C.

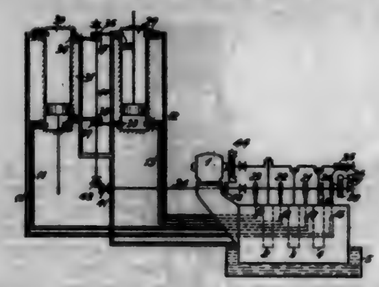
2,031,130
SHORT WAVE-LONG WAVE RECEIVER
Johannes Rohnfeld, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 17, 1933, Serial No. 657,157
In Germany May 28, 1932
3 Claims. (Cl. 250—20)

1. In combination with a radio receiver having a resonant input circuit adapted to be tuned to a desired radio frequency of the broadcast band and a signal collector, a short wave adapter unit comprising a tube having a resonant circuit connected between its cathode and a grid electrode, the resonant circuit being tunable over a desired short wave range, means coupling the signal collector to said resonant circuit, a second resonant circuit connected between the cathode and a grid electrode of said tube, a source of direct current potential for the output electrode of said adapter tube, means for regeneratively coupling



the output electrode to the said second resonant circuit, and means connected to said source and receiver input circuit, arranged for selective connection to said adapter tube output electrode or said signal collector.

2,031,131
DRIVING DEVICE FOR A MACHINE FOR CASTING STEREOTYPE PLATES
Karl Schäflein, Bern, Switzerland
Application June 13, 1932, Serial No. 616,907
6 Claims. (Cl. 22—2)

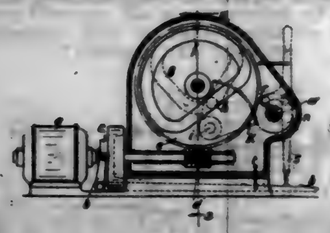


6. In a machine for casting stereotype plates and the like, having a melting pot, a mold adapted to be moved into and out of cooperative relation with said pot and a valve in said pot for controlling the flow of metal into said mold, a driving mechanism including fluid pressure means whereby said mold and said valve are actuated, timing means associated with said fluid pressure means for controlling the supply of fluid pressure thereto for the purpose of operating said mold and valve in timed relationship, a pressure fluid container, a pump, suction valves for controlling the supply of pressure fluid from said container, and means associated with said timing means for maintaining said suction valves open during the cooling period of a cast plate, to thereby render said pump inoperative.

2,031,132
MACHINE FOR CASTING STEREOTYPE PLATES AND THE LIKE
Karl Schäflein, Bern, Switzerland
Application September 21, 1933, Serial No. 690,414
In Germany November 11, 1932
1 Claim. (Cl. 22—2)

In a machine for casting stereotype plates or the like, having a mold and actuating means therefor, a metal supply valve and actuating means therefor, the combination of a drive for said mold and valve, comprising power means, a worm driven by said power means, a clutch intermitted between said power means and said worm, a worm wheel meshing with said worm, a

cam surface provided on each side of said worm wheel, gear means mounted within the periphery and on each side of said worm wheel and cooperat-



ing with said cam surfaces, and gears meshing with said gear means and arranged to transmit motion of the latter to said operating means for the purpose of actuating said mold and valve.

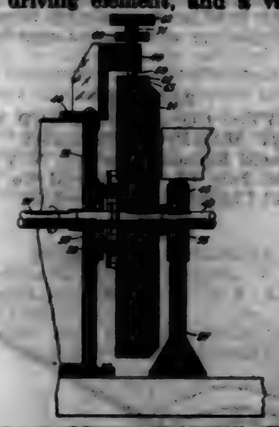
2,031,133
ELECTRIC HAND TOOL
Robert Schümann, Düsseldorf, Germany
Application January 24, 1933, Serial No. 653,308
In Germany January 25, 1932
3 Claims. (Cl. 144—32)



1. An electric hand tool for tightening and loosening screws, comprising in combination a driving spindle, a stationary clutch half on said spindle, a movable clutch half surrounding said stationary clutch half and axially shiftable relative to said stationary half, a tool carrying sleeve on the lower end of said movable clutch half, said movable clutch half adapted to bear against said stationary clutch half to transmit the movement of said driving spindle to said tool carrying sleeve when the tool is pressed against the workpiece, and an adjustable stop in the path of movement of said movable clutch half adapted to limit the displacement of said movable clutch half and determine the intensity of contact between said two clutch halves.

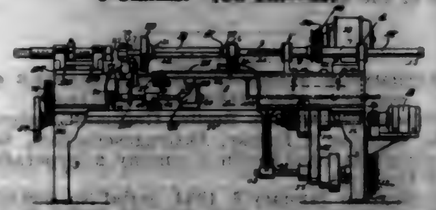
2,031,134
FACSIMILE SYSTEM
Henry Shore, Elizabeth, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 25, 1933, Serial No. 654,086
3 Claims. (Cl. 178—69.5)

1. In combination, a driving element, a driven element and a mechanical filter system connecting the driving and driven elements, said filter system comprising a flywheel rigidly connected with the driven element and resiliently connected with the driving element, and a variable me-



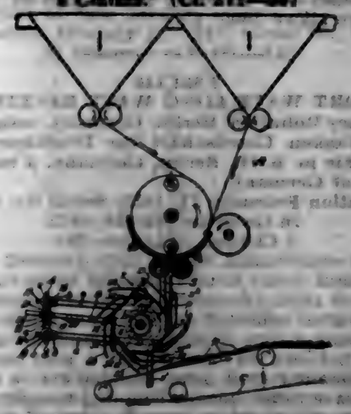
chanically operable means to critically damp the mechanical filter system.

2,031,135
LATHE
Charles W. Smith, Grand Rapids, Mich.
Application February 26, 1934, Serial No. 712,543
6 Claims. (Cl. 142—42)



1. In a lathe: a tail stock; a member mounted in the stock for freely rotative movement with the work about the axis of the lathe's turning operation, said member having a circular bore therethrough coaxial with said axis receiving and holding the work therein against transaxial movement but permitting the free axial feeding movement of the work through the bore.

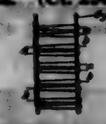
2,031,136
CONTROLLING DELIVERY FAN
Frank Sewick, Chicago, Ill., assignor to The Chicago Daily News, Inc., Chicago, Ill., a corporation of Illinois
Application April 14, 1934, Serial No. 720,554
8 Claims. (Cl. 271—80)



1. In a delivery fan structure, a fan body, arms

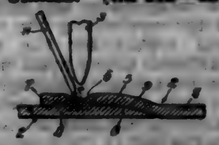
mounted on the body and spaced apart circumferentially thereof, gripping fingers pivoted on the body on axes parallel to the axis of the body for movement into and out of operative relation to the respective arms, and cam means mounted on the body for moving the fingers into and out of operative relation to the respective arms in the rotation of the body relative to the cam means, said cam means and said body being connected for relative rotation.

2,031,137
ELECTRON DISCHARGE TUBE AND CIRCUIT ARRANGEMENT
Karl Steimel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 8, 1934, Serial No. 705,674
In Germany January 9, 1933
3 Claims. (Cl. 250—27.5)



1. An electron discharge tube comprising a cathode, cylindrical control grid, screen grid and anode electrodes concentrically arranged about the cathode in the order named, and an elliptically-shaped auxiliary electrode interposed in the space between the screen grid and the anode.

2,031,138
METHOD OF WELDING
Edward Hall Taylor, Oak Park, Ill.
Application March 17, 1934, Serial No. 716,057
6 Claims. (Cl. 113—35)



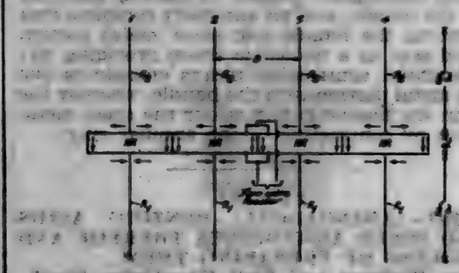
6. The method of producing tubing from metal strip by welding, which comprises providing the metal strip with a thinned area extending lengthwise of the strip and disposed inward from one edge thereof, said area being materially thinner than the adjacent unthinned portion of the strip, winding said strip spirally into tubular form with the forward thinned portion of each convolution overlying the rearward portion of the next preceding convolution and forming therewith a lap joint, and welding the overlap of the joint to the underlap along said thinned area of the overlap with the line of welding spaced inward of the overlap away from the leading edge of the latter.

2,031,139
CONTROLLING APPARATUS FOR AUTOMOBILE ENGINES
Matthew Ury, Bronx, N. Y.
Application December 15, 1933, Serial No. 702,525
5 Claims. (Cl. 161—1)



1. The combination with a motor vehicle having an ignition circuit, of a device for interrupting the ignition circuit comprising a clock mechanism, a switch in said circuit controlled by said mechanism after a predetermined time of operation of said mechanism, a lever biased under spring pressure in a direction for actuating said clock mechanism, and a movable element controlled by the operator of the vehicle and connected with said lever for counteracting said spring pressure during normal operation of the vehicle and for releasing said spring pressure when the vehicle is not in operation.

2,031,140
WIRELESS AERIAL FOR USE ON SHORT WAVES
Norman Wells, Sheen, London, and Ernest Green, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware
Application April 4, 1933, Serial No. 664,374
In Great Britain April 13, 1932
10 Claims. (Cl. 250—33)



1. A short wave aerial system comprising two approximately half wave length linear radiating elements extending on the same straight line and separated by a phasing unit, the latter consisting of a substantially non-radiating full wave length wire bent back upon itself to constitute a substantially rectangular wire frame having opposite ends symmetrically connected to said radiating elements.

2,031,141
FASTENING TOOL HANDLE
Daniel W. Winzeler, Montpelier, Ohio
Application June 14, 1934, Serial No. 730,641
1 Claim. (Cl. 306—29)



A sheet metal ferrule of symmetrical outside and inside contour throughout, said ferrule comprising a tapered, annularly complete, tubular section; axially spaced therefrom an additional exteriorly and interiorly annularly-continuous, complete cylindrical section; and approximately parallel independent laterally spaced tongues integral with and connecting said sections providing openings between the sections, said openings being parallel and spaced by the tongues.

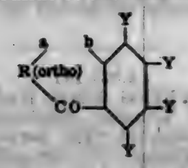
2,031,142
FASTENING FOR THE HANDLES OF TOOLS
Daniel W. Wimmler, Montpelier, Ohio
Application June 14, 1934, Serial No. 730,642
1 Claim. (Cl. 306—29)



A handle for a tool, a sheet metal circumferentially incomplete portion in seating assembly with the handle, and an annularly complete ring embracing the handle and sheet metal portion at said seat as a telescopic sleeve providing circumferential contracting means embedding the sheet metal portion with the handle, whereby the seat in the handle is formed for the sheet metal portion by contracting of the annular ring.

2,031,143
ORTHO - (AMINOAROYL) - BENZOIC ACIDS AND INNER ANHYDRIDES THEREOF AND PROCESS OF PREPARING THEM
Arthur Wolfram and Emil Hasselkerfer, Frankfort-on-the-Main-Hoechst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 30, 1929, Serial No. 336,324. In Germany February 7, 1928
12 Claims. (Cl. 260—64)

9. The compounds of the following formula:



wherein R stands for a radical of the benzene series, Y for hydrogen or a substituent of the group consisting of halogen and alkyl, and wherein *a* represents the carboxylic acid group and *b* represents the amino group, or *a* and *b* jointly stand for the group —CO—NH—.

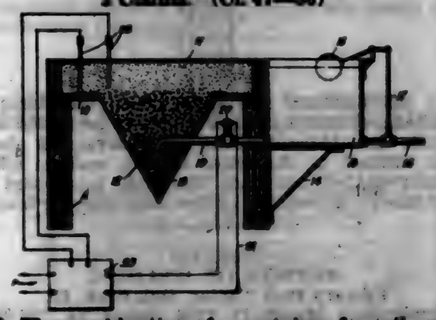
2,031,144
NONFLAMMABLE CLEANING SOLVENT
Merrill A. Youtz, Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill., a corporation of Indiana
No Drawing. Application July 14, 1930, Serial No. 467,997
1 Claim. (Cl. 87—5)

A dry cleaning solvent comprising a mixture of petroleum naphtha having a boiling range of about 160–220° F. with carbon tetrachloride in proportions of about 35 to 40 parts by volume of petroleum naphtha to about 65 to 60 parts by volume of carbon tetrachloride whereby the dry cleaning fluid is substantially non-flammable, its vapors are substantially non-flammable, and it leaves a substantially non-flammable residue upon evaporation.

2,031,145
NONFLAMMABLE CLEANING SOLVENT
Merrill A. Youtz, Green Bay, Wis., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Original application July 14, 1930, Serial No. 467,997. Divided and this application June 12, 1935, Serial No. 26,237
2 Claims. (Cl. 87—5)

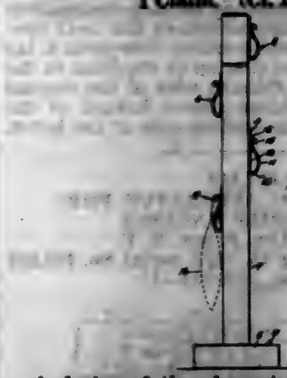
1. A dry cleaning solvent comprising a mixture of petroleum naphtha having a boiling range of about 290–325° F. with acetylene tetrachloride, the amount of acetylene tetrachloride being sufficient to yield a substantially non-flammable mixture and a substantially non-flammable residue upon evaporation.

2,031,146
AUTOMATIC WATERING DEVICE
Theodore Dodge, River Falls, Wis.
Application August 16, 1935, Serial No. 36,583
3 Claims. (Cl. 47—38)



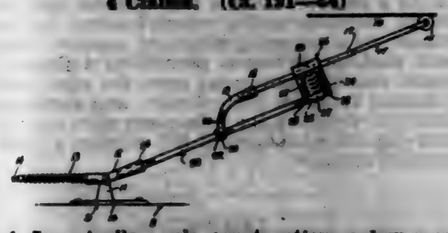
3. The combination of a container for soil, supply means for moistening soil within the container, means for controlling the supply means, electric control means for the second-named means and rendered active upon moistening the soil within the container, a storage tank for the supply means, and a substance within the container for setting up capillary attraction of moisture therein to the soil.

2,031,147
BAG RACK
Charles Elmer Doolin, San Antonio, Tex.
Application July 27, 1934, Serial No. 737,254
1 Claim. (Cl. 24—259)



A device of the character described, said device comprising a flat strip constituting a base, said strip being bent arcuately upwardly and inwardly and then arcuately downwardly on itself defining an arcuate-shaped clip including a pair of legs, the legs of said clip adjacent said base being brought close together and said legs adjacent the bight portion of said clip being relatively widely separated and merging into the respective ends of said bight portion, said bight portion being semi-circularly curved, the leg adjacent said base being outwardly bowed, the leg remote from said base being outwardly bowed, said legs being sufficiently bowed to cause a portion of said bight portion of said clip adjacent the base to normally engage said part of the base.

2,031,148
TROLLEY
Henry Durst, Denver, Colo.
Application February 12, 1935, Serial No. 6,231
4 Claims. (Cl. 191—64)



1. In a trolley pole construction, a lower section, an upper section provided with a pulley, a fork pivotally attached to the intermediate portion of the lower section, said upper section being detachably joined to said fork to provide a pivotal connection between the two sections the lower section having a paddle-like support on its free end, a U-shaped jointing member carried by the lower section, said upper section passing therethrough, and a spring pressed follower cooperable with the upper section and disposed in the U-shaped member to resiliently maintain the sections in operative positions.

2,031,149
EDGE RUNNER-LIKE MIXING AND KNEADING MACHINE
Ludwig Eirich and Joseph Eirich, Hardheim, Baden, Germany
Application September 21, 1931, Serial No. 564,268
In Germany September 27, 1930
12 Claims. (Cl. 83—45)



1. In a mixing and kneading machine, in combination, a rotary grinding plate provided with an exchangeable perforated member in the center thereof, a plurality of rotating mixing and grinding tools eccentrically mounted with relation to the axis of said grinding plate and positioned to cooperate therewith, scraping means positioned beneath said perforated member for scraping said member, and means for adjusting the distance between the mixing and grinding tools and the grinding plate.

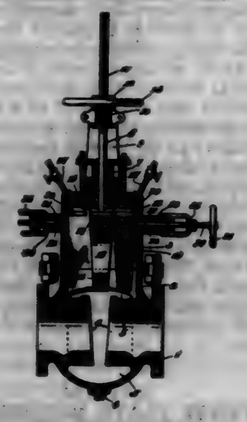
2,031,150
SKI EDGE PROTECTOR
Emil Marius Erikson, Remerud, near Oslo, Norway
Application December 28, 1934, Serial No. 759,259
In Norway December 21, 1933
4 Claims. (Cl. 280—154)

1. Ski edge protector comprising a number of relatively short links secured longitudinally of one another to the side of the ski and provided with contacting ends so that the links may pivot



a limited distance relative to each other in a plane perpendicular to the running surface of the ski.

2,031,151
VALVE
Adam J. Eulberg, Sunburst, Mont.
Application March 15, 1935, Serial No. 11,340
5 Claims. (Cl. 251—51)



1. A valve mechanism comprising a valve casing having internal opposed surfaces constituting a valve seat, a bonnet on the upper side of the valve casing open to the valve seat, a valve body, means within the bonnet for suspending the valve body in a raised position out of engagement with the seat, a valve stem mounted through the upper end of the bonnet and having its lower end adapted to be detachably engaged with the valve body, said stem being shiftable longitudinally to raise the valve body from the seat in the valve casing or lower the valve body onto the seat, and means to shift the valve body between the suspending means and inner end of the stem when the valve is in a raised position.

2,031,152
MANUFACTURE OF ALLOYS OF IRON, CHROMIUM, NICKEL, AND COPPER
Alexander L. Feild, Baltimore, Md., assignor, by mesne assignments, to Rustless Iron and Steel Corporation of America, Baltimore, Md., a corporation of Delaware
No Drawing. Application August 10, 1932, Serial No. 628,185
13 Claims. (Cl. 75—45)

1. The process of making low-carbon iron-chromium-nickel alloys, which comprises charging a furnace with low-carbon steel scrap, high-carbon ferrochromium and "Monel" oxide, and heating the charge to a temperature sufficient to fuse the scrap and form a supernatant layer of molten slag and to cause a reduction of nickel and copper from their oxides to the metallic state accompanied by the oxidation of the carbon in the bath, thereafter adding to the slag a silicon reducing agent and lime to reduce chromium together with residual nickel and chromium from their oxides in the slag.

2,031,152
COVER FOR KEGS, BARRELS, OR LIKE CONTAINERS
Robert G. Fenenden, Townsend, Mass.
Application April 23, 1935, Serial No. 17,774
1 Claim. (Cl. 217—76)



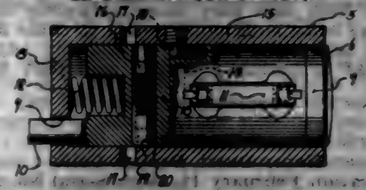
A keg or the like formed of wooden staves having a flat, open, seating shoulder around the inner periphery of the container near the end thereof and presenting above said shoulder an enlarged open mouth of greater diameter than the shoulder with its inner walls substantially parallel to the outer walls of the staves, a cover having a flat peripheral bottom edge and inwardly and upwardly tapered side walls and of a diameter such that it may be readily entered into the open mouth of the container to be loosely seated on said seating shoulder, and a compressing band having also inwardly and upwardly tapering side walls adapted to encircle the end of said container and when forced downwardly thereover to force inwardly the inner walls of the staves first against the flat bottom edge of the cover to lock the latter to its seat the said flat bottom edge being so related to the seating shoulder as to serve as a fulcrum about which subsequent movement of the staves takes place.

2,031,154
LICENSE PLATE HOLDER FOR AUTOMOBILES
Fred Fuchs, St. Paul, Minn.
Application July 23, 1934, Serial No. 736,572
4 Claims. (Cl. 177—329)



1. A license plate holder and illuminating device comprising a housing in upright plane, said housing comprising in part a lid removably securable to the main housing part to form therewith an elongated weather tight chamber, a large window in the lower part of said lid and a smaller window thereabove, electric light means inwardly of said smaller window, a clear glass in said lower window and a suitably colored lens in the upper window, a main deflector member comprising a transverse partition within the housing and arched at the smaller window thence extending horizontally toward both ends of the chamber and over the main window, to reflect light downwardly in the chamber, license plate holding means within the housing for removably but rigidly retaining a license plate in inclined plane inwardly of the main window with the upper edge of said license plate against the wall of the housing opposite the larger window, and a pair of side light deflector members of triangular form each with its wider end uppermost and tapered downwardly, and means for retaining said side deflectors in selective horizontally spaced positions to deflect light from their inner faces upon the face of the license plate exposed in the main window.

2,031,155
LOCK
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application June 7, 1933, Serial No. 25,443
12 Claims. (Cl. 70—45)



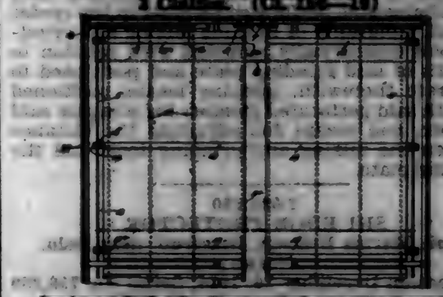
1. In a lock, a casing, a lock cylinder mounted therein, yieldable spring means holding the lock cylinder in a normal position of endwise movement, said spring means permitting a degree of inward endwise movement upon the application of inward force on the cylinder, and means for positively rendering the lock inoperative upon inward endwise movement of the cylinder a predetermined distance.

2,031,156
HONING TOOL
Frank L. Gillett, Los Angeles, and John S. Morgan, Jr., Inglewood, Calif., assignors, by mesne assignments, to The National Superior Company, Toledo, Ohio, a corporation of Delaware
Application May 22, 1933, Serial No. 672,286
17 Claims. (Cl. 51—104.4)



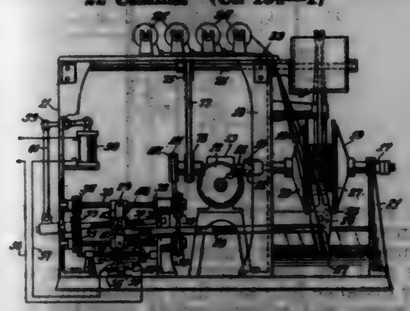
1. A device of the character described comprising in combination, a body having longitudinally extending abrasive elements, means in operative relation with and adapted to expand said abrasive elements, rotatable means having positive operating contact with the first mentioned means for actuating said first mentioned means, axially adjustable means mounted colinearly with the longitudinal axis of the device and co-operating with said rotatable means to form a stop to adjustably limit the maximum diameter to which said abrasive elements can expand.

2,031,157
SHADE FOR GREENHOUSES
Lucian E. Gilson, Marshfield, Wis.
Application March 6, 1935, Serial No. 9,185
3 Claims. (Cl. 156—16)



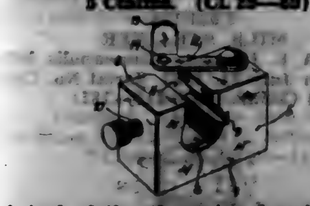
1. A roof shade for greenhouses comprising a rotatably mounted shaft, a plurality of shade sections windable on said shaft, a second shaft rotatably mounted laterally of and in a lower plane than the first shaft, sheaves on the second shaft, flexible elements windable on said sheaves, each shade section having secured to one face thereof laterally spaced strips, and resilient means connecting said flexible elements with the shade sections in line with said strips, and means for rotating said shafts to wind and unwind said shade sections.

2,031,158
MACHINE FOR MAKING GRINDING WHEELS
Julian G. Goodhue, Evanston, Ill., assignor to Security Grinding Wheel Co., Chicago, Ill., a trust estate, as trustee
Application December 31, 1931, Serial No. 584,151
22 Claims. (Cl. 154—1)



1. In a machine of the kind described, the combination of a shaft and means for rotating said shaft, elements between which a cord is adapted to be wound by said shaft, means for feeding material between said elements, and means for applying pressure to said cord and material, said last mentioned means including means for applying a prescribed pressure for each winding and maintaining said means in said last mentioned condition.

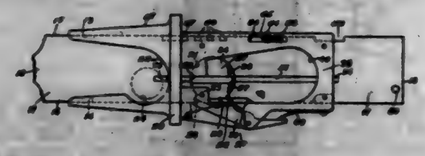
2,031,159
ASSEMBLY TOOL FOR LOCK CYLINDERS
Raymond W. Griffith, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application April 8, 1935, Serial No. 15,581
5 Claims. (Cl. 29—89)



1. A tool of the character described comprising a block having a bore adapted to receive a lock cylinder and having a slot opening into the bore from one face of the block, means for holding a cylinder inserted into the bore in a position with its tumblers accessible through said open slot, and means carried by the block and movable to a position disposed over the open slot to hold the tumblers of the cylinder in place.

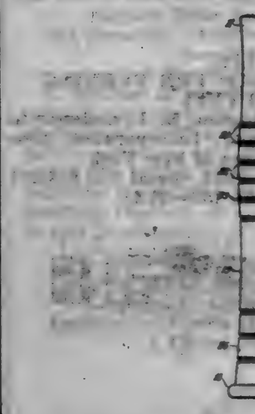
2,031,160
SLUG-REJECTING COIN SLIDE
Louis M. Hall, Fort Thomas, Ky., assignor to The Monarch Tool & Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application February 3, 1934, Serial No. 709,621
2 Claims. (Cl. 194—100)

1. In a device of the class described, the combination of a guide plate providing a slide guide, a coin slide receivable in said guide for sliding advancement and retraction longitudinally, said slide having one longitudinal side edge cut away to provide an open-sided coin receiving aperture through which a part of the periphery of a coin or soft slug resting in said aperture is exposed in the plane of the slide, means operating upon advancement of the slide to indent a soft slug and arrest the advancing movement of the slide, a narrow off-center depending strip on the slide the major axis of which strip passes approximately through a diameter of the coin receiving aperture, a relatively wide cooperative



groove in the guide plate for reception of said off-center depending strip, and a horse-shoe magnet supported over the coin slide with its poles disposed in off-center relationship relative to the coin slide so that the poles will overlie the off-center coin receiving aperture when the slide is advanced, whereby the location of the magnet, the guide plate channel, and the slug indenting and slide arresting means, may remain in the aforesaid cooperative positions and still perform their respective functions although the open-sided coin receiving aperture be enlarged or reduced in diameter for reception of coins of different denominations.

2,031,161
HANDGRIP MEMBER
Otto W. Hamel, Chicago, Ill.
Application April 29, 1935, Serial No. 18,792
2 Claims. (Cl. 273—72)



1. A base-ball bat having a handle part and a batting part of circular cross-section, the handle part being of increasing taper toward its termination from a point spaced inwardly thereof, and having a bulbous portion between said point and said batting part, said bulbous portion gradually tapering decreasingly toward both the handle termination and the batting portion over a longitudinal extent substantially sufficient to accommodate two hands of a player, and a series of longitudinally spaced-apart concentric annular grooves on the said bulbous portion.

2,031,161
ICE CREAM SERVICE CONTAINER
Cecil E. Hoover, Scandinavia, Wis.
Application August 31, 1932, Serial No. 631,531
3 Claims. (Cl. 211—133)



1. A container comprising a vertical cylinder with an apertured upright wall and having its bottom closed and its upper end open, and said upright cylinder wall also having an opening in one side thereof extending from its bottom to an intermediate point in its height and spaced from its upper end, whereby the cylinder from said point to its upper end is closed at its side, a shelf supported in the cylinder at the upper end of the opening in the side of the cylinder and constituting a bottom for the upper portion of the cylinder, and other shelves spaced apart and supported in the cylinder opposite the opening in the side wall of the cylinder whereby articles may be placed on and removed from the latter shelves through the opening in the side wall of the cylinder.

2,031,163
METHOD AND TORCH FOR BURNING LIQUID FUEL
Howard G. Hughey, Irvington, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application January 21, 1933, Serial No. 654,371
12 Claims. (Cl. 158—27.4)



8. An oxygen-liquid-fuel torch having two connections to receive oxygen and liquid fuel, respectively, means for dividing the oxygen stream first into two parts, one of which furnishes oxygen to a metal oxidising jet, a primary atomising mixer receiving liquid fuel from the liquid fuel connection, a secondary mixer receiving a mixture of oxygen and atomised liquid from the primary mixer, and means for dividing again the other branch of the main oxygen stream and supplying one portion to the primary mixer and another portion to the secondary mixer.

2,031,164
AIR PURIFYING DEVICE
Carl W. Johnson, Minneapolis, Minn., assignor to Heywood Paper Box & Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota
Application March 16, 1935, Serial No. 11,481
1 Claim. (Cl. 183—15)



In an air purifying device, an open topped chamber, a closure cap closing the top of said chamber, a second chamber formed integrally with said cap and depending therefrom a moderate distance into said first mentioned chamber, the upper wall of said second chamber and the central portion of said cap being common, the lower wall of said second chamber having restricted ports therein, said cap being provided with an air outlet communicating with the upper portion of said second chamber, said second chamber being at least partially filled with pieces of odor-absorbing material, said first chamber being adapted for filling thereof with an air washing liquid up to a level somewhat below the bottom of said second chamber, an air inlet in said cap, an air containing element disposed below the surface of liquid placed in said lower portion and being provided with restricted ports, and a conduit supported by said cap and connecting said air inlet to said air containing element.

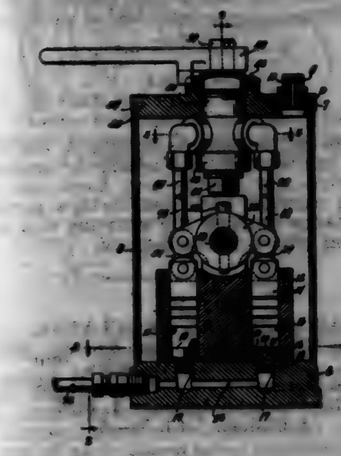
2,031,165
MILK STRAINER
Clarence A. E. Johnson, Minneapolis, Minn.
Application July 21, 1934, Serial No. 736,496
4 Claims. (Cl. 210—181)



2. In a device of the class described, a pair of axially spaced concavo-convex plates the concave

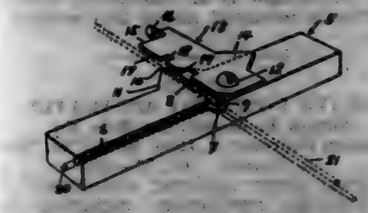
sides of which are in opposing relation, said plates having wide rim portions that are parallel and rest directly, the one upon the other, at least one of the opposing faces of said rim portions being roughened to afford a strainer surface.

2,031,166
HYDRAULIC APPARATUS
Joseph H. Kerber, Milwaukee, Wis., assignor to Hi-Way Service Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application July 22, 1933, Serial No. 681,571
2 Claims. (Cl. 103—2)



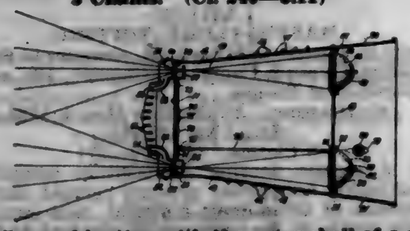
1. In an hydraulic apparatus, the combination of a base, a pump cylinder mounted on said base, a plunger working in said cylinder, a head member, a control valve operatively connected to said pump cylinder and mounted on said head member and controlling the discharge from said pump, a casing member having a fluid tight connection with said base and head member and forming therewith an enclosing casing for said pump cylinder, plunger and valve, and means for actuating said plunger including a shaft extending through a wall of said casing member.

2,031,167
WIRE SPLICER
Landis E. Kressman, Belo, Oreg.
Application March 15, 1933, Serial No. 660,918
7 Claims. (Cl. 140—118)



1. A wire splicer comprising a block having in one side a pair of straight wire end receiving grooves located in approximately the same plane and intersecting approximately at right angles, and a relatively thin closure plate mounted on the block and swingable transversely on said side of the block for positioning over the grooves for holding the wire ends in the grooves.

2,031,168
ILLUMINATING APPARATUS
George Kuhn, Takoma Park, Md., assignor to Butler-Kuhn Corporation, Washington, D. C., a corporation of Delaware
Application January 10, 1931, Serial No. 507,919
5 Claims. (Cl. 240—8.11)

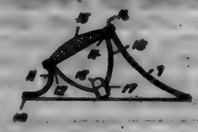


1. In combination with the outer shell of a motor vehicle having a forward substantially upright wall portion, said wall portion having therein a light emitting opening, a projector having a horizontal axis and mounted within said shell in rearwardly spaced relation to said opening to project a beam of light in a forward direction, the bottom of said opening being substantially at the level of the bottom of said beam, the height of said opening being not less than half the depth of said beam at the projector, the width of said opening being considerably less than the width of said beam at the projector and than the height of said opening, said projector producing a beam the rays of which are converged laterally and crossed at a locus lying in a vertical plane passing through the optical axis of the projector and in the vicinity of said opening, said rays forming a pattern at the light opening substantially conforming to the size and shape of the latter, and means positioned between said projector and said opening and movable into the beam to modify the character thereof.

2,031,169
METHOD FOR REMOVING STAINS FROM TEETH
Gilbert Dillie Laymon, Miami, Fla.
No Drawing. Application October 15, 1934, Serial No. 748,427
2 Claims. (Cl. 167—83)

1. Method of removing stains from teeth comprising impregnating the mucin film to a depth at least as great as the objective stain with an iodine solution, and treating the thus impregnated film with a solution of sodium thiosulphate whereby the kinetic as well as the chemical decoloring reaction of the substances is produced in situ in all regions of the objective stain.

2,031,170
VEHICLE INDICATING LAMP
James C. Lester, Pulaski, Tenn.
Application March 23, 1935, Serial No. 11,511
1 Claim. (Cl. 240—7.1)



A device of the class described comprising a lamp casing circular in cross section and having an opening at its upper end portion, the side portion of said casing flaring outwardly and downwardly and one side being shorter than the other side presenting the open top portion at an angle with respect to the vertical axis of the casing, an inwardly extending flange on the inner side of said casing spaced from the edge of the opening,

a reflector in said casing disposed on said flange, the lower portion of said reflector lying in substantially the same plane as the bottom of said casing, a bulb in said reflector, a lens disposed within said opening, and a rim for securing said lens therein.

1,931,171

MASTIC FLOOR TOPPING

Harry K. Linnell, Oak Park, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application May 5, 1932, Serial No. 609,591

5 Claims. (Cl. 106—37)

1. A mastic flooring composition comprising dead-burnt anhydrous gypsum cement and an emulsion of bituminous material, said emulsion being stable in the presence of divalent and trivalent cations; and in which composition the ratio of the said cement to the bituminous material lies within the range of 7:1 and 2.25:1.

1,931,172

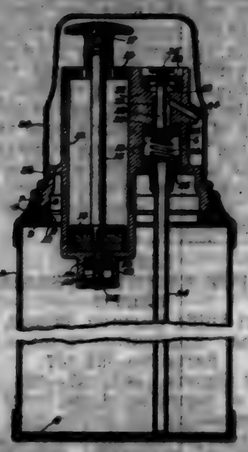
BEVERAGE DISPENSING BOTTLE

George J. Maloney, Long Beach, Calif.

Application October 28, 1931, Serial No. 571,538

Renewed September 24, 1934

7 Claims. (Cl. 221—77)



1. A beverage dispensing bottle comprising, in combination, a tubular container having an enlarged opening at its upper end, a stopper for said opening defining a cylinder with its axis extending parallel to but offset laterally from the axis of said container, a pump for placing the content of said container under pressure including a vertically reciprocable piston in said cylinder, a discharge passageway communicating with the lower portion of said container and extending through said stopper on the side thereof opposite said pump cylinder, and valve mechanism within the confines of said stopper operable from a point exteriorly of the bottle independently of said piston and controlling the opening and closing of said passageway.

1,931,173

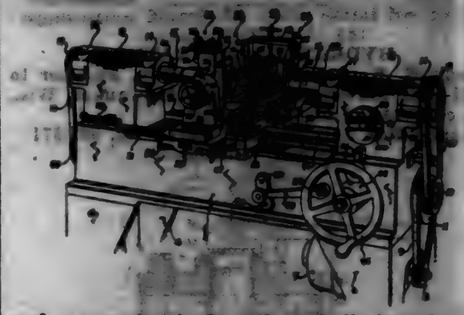
BORING MACHINE

Ray A. Miller, Fort Washington, Wis., assignor to Simplicity Manufacturing Company, Fort Washington, Wis., a corporation of Wisconsin

Application April 29, 1934, Serial No. 722,152

24 Claims. (Cl. 29—96)

1. A machine for boring the bearings of connecting rods and cutting oil grooves therein comprising, a boring spindle, a work supporting carriage movable in a direction parallel to the axis of the boring spindle to carry a connecting rod mounted thereon to and from operative relationship with respect to the spindle, a boring tool on the spindle to bore the bearing of the connecting



rod, a grooving tool on the spindle to cut an oil groove in the bearing, and means to simultaneously revolve the spindle and move the work supporting carriage back and forth a predetermined distance to cause the grooving tool to cut an elliptical groove in the bearing.

2,931,174

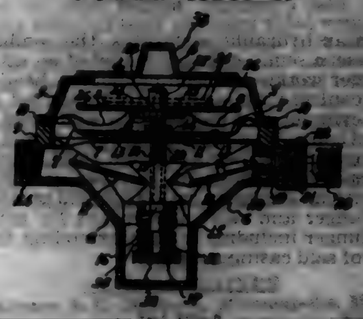
GAS PRESSURE REGULATOR

George Mills, Gordon, near Sydney, New South Wales, Australia

Application December 16, 1932, Serial No. 717,481

In Australia January 4, 1932

5 Claims. (Cl. 14—5)



1. Improvements in gas pressure regulators comprising a control valve operated by a working diaphragm and toggle operating mechanism housed in a body portion, said control valve being also automatically closed on failure of the working diaphragm by an emergency diaphragm concentrically mounted above the working diaphragm.

1,931,175

GRAVE COVERING APPARATUS

Nimian R. Moore, Du Bois, Pa.

Application February 8, 1934, Serial No. 710,337

10 Claims. (Cl. 27—36)

3. A grave cover applying attachment for a casket lowering mechanism including corner supports and longitudinal side members rotatably mounted therein and connected for simultaneous rotary movement, comprising transverse rails, means for mounting the transverse rails upon said corner supports, longitudinal rails slidable toward or from each other along said transverse rails and adapted to have a pliable mat draped thereover, flexible members extending within said transverse rails and adapted to be thereafter

by rotation of said side members, and means carried by said flexible members and connected



with the opposite ones of said side rails for moving the latter as the side members are rotated.

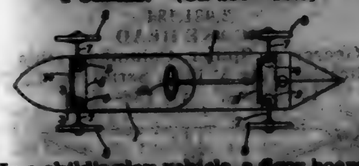
1,931,176

CHILD'S PLAY VEHICLE

Chester P. Nimskirk, Berkeley, Calif.

Application December 7, 1934, Serial No. 756,485

4 Claims. (Cl. 280—87.5)



1. In a child's play vehicle, a floor board, a pair of vertically disposed steering rigidly secured to said board adjacent one end thereof, tubular sleeves slidably mounted on the said respective stems, each sleeve having rotatable spaced angularly disposed arms extended radially therefrom, one arm of each sleeve being projected laterally with respect to said board, wheel spindles extending from the laterally projected arms, rigid means connecting the other arms of the sleeves, and means for maintaining a yieldable downward pressure upon each sleeve.

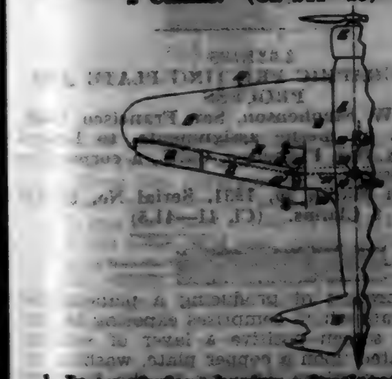
1,931,177

AIRCRAFT SPEED CONTROL

John K. Northrop, Los Angeles, Calif., assignor to The Northrop Corporation, Inglewood, Calif., a corporation of California

Application March 13, 1935, Serial No. 10,636

2 Claims. (Cl. 244—30)



1. In an airplane having a fuselage and a wing having upper surfaces extending laterally from said fuselage, and a lower surface substantially continuous from tip to tip, a lateral upper surface flap on each wing, an opposing lateral lower surface flap on each wing, and a central lower surface flap between said lateral lower surface flaps, means for rotating all three lower surface flaps simultaneously without moving said upper surface flaps, and means for simultaneously rotating opposing upper and lower surface flaps without rotating said central lower surface flaps.

2,931,178

WASHBOARD

Kurt Peters Oppermann, Saginaw, Mich., assignor to National Washboard Company, Chicago, Ill., a corporation of West Virginia

Application May 7, 1934, Serial No. 724,114

2 Claims. (Cl. 68—29)



1. In a washboard having side frame members and legs, a rubbing surface having a plurality of ribs and channels extending parallel to said frame members and legs lengthwise of the direction of rubbing, said channels being round bottomed and concave, the side walls of said channels presenting parallel alternating wales and indentations lying diagonally of said channels at an angle of less than forty-five degrees thereto.

2,931,179

METHOD OF EVAPORATING AQUEOUS HYDROCHLORIC ACID

Klaus Raschig, Ludwigshafen-on-the-Rhine, Germany, assignor to Dr. F. Raschig G. m. b. H., Ludwigshafen-on-the-Rhine, Germany

No Drawing. Application November 22, 1934, Serial No. 754,280. In Germany November 27, 1933

2 Claims. (Cl. 23—154)

1. A method of evaporating aqueous hydrochloric acid consisting in carrying out the evaporation in an apparatus made of copper in the presence of phosphoric acid.

2,931,180

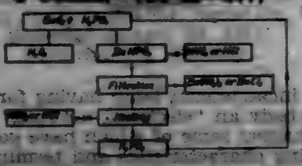
MAKING WATER SOLUBLE BARIUM SALTS AND HYDROGEN PEROXIDE

Friedrich Rüsberg, Berlin-Niederschöneweide, Germany, assignor to Kali-Chemie Aktiengesellschaft, Berlin, Germany

Application April 13, 1933, Serial No. 666,961

In Germany May 7, 1932

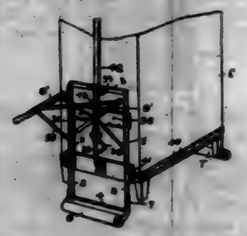
5 Claims. (Cl. 23—207)



1. A method for making water soluble barium salts and hydrogen peroxide which consists in decomposing barium peroxide with aqueous phosphoric acid, separating the aqueous hydrogen peroxide from the solid dibarium phosphate formed, dissolving said dibarium phosphate in phosphoric acid, separating the undissolved from

the solution of monobarium phosphate obtained, decomposing said monobarium phosphate solution with a volatile acid capable of forming a water soluble barium salt in an amount sufficient to convert substantially all the dibarium phosphate into such barium salt and phosphoric acid, separating the phosphoric acid from the barium salt, both formed by said decomposition, removing the volatile acid present in said phosphoric acid by heating and decomposing fresh barium peroxide with said phosphoric acid.

2,031,181
TRUCK
Francis M. Smith, Ashland, Ohio
Application September 24, 1934, Serial No. 745,317
9 Claims. (Cl. 254—7)



1. A truck for handling heavy objects comprising a main frame having laterally spaced side members, a second frame slidably engaged with the side members of said main frame having padded cross members extended across the front face of said side members, vertically arranged means interconnecting said main frame and said second frame for shifting said second frame with respect to said main frame and vertically spaced load supporting means on said second frame, the upper load supporting means being removably supported on said second frame.

2,031,182
INCANDESCENT LAMP
John Hays Smith, Camp Hill, Pa.
Application May 2, 1931, Serial No. 534,488
23 Claims. (Cl. 176—46)



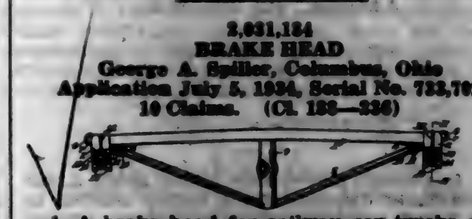
1. An incandescent lamp having for an incandescible body an "electrical network" of electrical conductors some of which have good current conducting characteristics and terminate within the network and some of which have resistive and incandescent characteristics and are arranged between the first named conductors so that they are supplied with electrical energy by group parallel feeding to provide uniform voltage in the resistive part of said network for the uniform generation of light.

2,031,183
PATTY-HOE
Clarence Nelson Sonnenburg, Baltimore, Md.
Application June 21, 1935, Serial No. 27,761
8 Claims. (Cl. 294—7)



1. As a new article of manufacture, a patty-hoe, comprising an elongated flat plate with an upstruck flange at its rear end, an elongated handle attached to said flange for manipulation by the user, a second flat plate pivoted to the free end of said flange, and adapted to overlie said first plate in spaced relation thereto, a bent lever secured to the pivoted end of said second plate, a sleeve slidable on said handle, finger lugs projecting from said sleeve, and a link interconnecting said sleeve and said lever for swinging said second flat plate.

2,031,184
BRAKE HEAD
George A. Spiller, Columbus, Ohio
Application July 5, 1934, Serial No. 733,702
10 Claims. (Cl. 188—236)



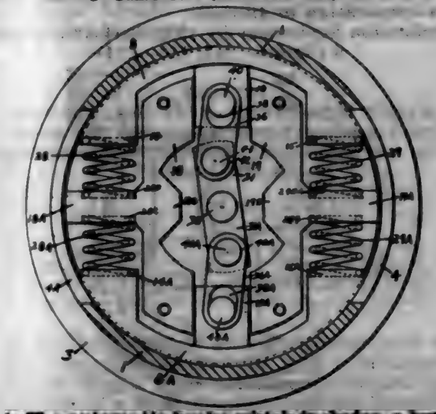
1. A brake head for railway car trucks comprising a body formed to include a substantially arcuate forward wall, the said body having centrally formed therein a dove-tailed groove, a brake shoe attaching section shaped to conform to the curvature of said forward wall, said section being provided with a tongue formed to be slidably received in the groove of said body by movement of said section in a direction substantially parallel to the axle of an associated truck wheel, and spaced lugs integrally formed with and projecting forwardly from said section between which the lug of a cooperative brake shoe is positionable, the said lugs being formed for the reception of a key by which the brake shoe will be detachably connected with said section and said section positively maintained against transverse movement in connection with the body of the brake head.

2,031,185
PLANOGRAPHIC PRINTING PLATE AND PROCESS
Arlington W. Stephenson, San Francisco, Calif., assignor, by mesne assignments, to Lemart Company, San Francisco, Calif., a corporation of California
Application March 26, 1931, Serial No. 524,213
6 Claims. (Cl. 41—41.5)



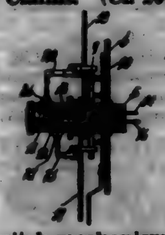
5. The process of producing a planographic printing plate which comprises exposing to light through a screen positive a layer of sensitive enamel coated upon a copper plate, washing out the soluble portions, burning in the hardened areas, electro-depositing a non-amalgamable metal on the copper between the burnt-in areas, cleaning off the burnt-in enamel, silvering the bare copper areas only and building up a protective coating on the silvered areas to a height below the top of the non-amalgamable areas.

2,031,186
AUTOMATIC BRAKE
Andrew L. Sill, Los Angeles, Calif.
Application July 12, 1935, Serial No. 31,647
5 Claims. (Cl. 192—13)



1. The automatic brake which includes, a brake drum secured to a support so that it may not rotate, brake shoes adapted to bear on the brake drum, a brake shoe holder adapted to hold the shoes in place in relation to the brake drum, means for securing the brake shoe holder to machinery adapted to rotate with the brake shoe holder, means for forcing the brake shoes to bear on the brake drum, means for forcing the brake shoes away from the brake drum, means for rotating the brake shoe holder, means for locking the brake shoes so they can not bear on the brake drum, and means for unlocking the brake shoes so that they are free to be forced to bear on the brake drum.

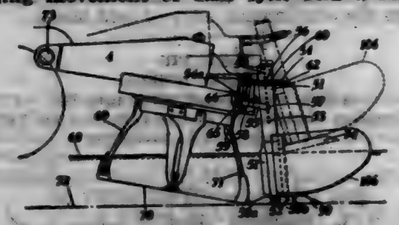
2,031,187
TIME SWITCH MECHANISM
George Stokes, Long Beach, Calif.
Application August 22, 1934, Serial No. 740,353
7 Claims. (Cl. 200—38)



1. A time switch mechanism, a chronometer on which the switch is mounted, cam means, drive means from the chronometer extending to the cam means whereby the cam is continuously rotated in one direction, a pair of arms, a finger on each of the arms, said cam means engaging said fingers, contact rings engageable by said fingers, said cam means being adapted and arranged to move the fingers into and out of engagement with the contact rings.

2,031,188
ROTARY TILLING MACHINE
Norman Cheale Storey and Paul Rudolph Hasson, Hunslet, Leeds, England
Application February 18, 1934, Serial No. 711,364
In Great Britain March 28, 1933
13 Claims. (Cl. 97—45)

1. In a tilling machine comprising a frame carrying rotatory tilling tools and hinged to the rear of the machine to swing in a vertical plane, the combination with said frame of a tyne hingedly connected to said frame to swing in a substantially horizontal plane, means for limiting the hinging movement of said tyne and a runner



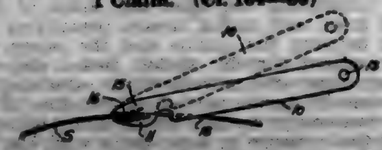
mounted on said tyne and adapted, when said frame is lowered, to ride beneath the surface of the disturbed soil in the wake of said tilling tools and to carry the load of said frame on the surface of the untilled sub-soil.

2,031,189
NUTCRACKER
Martin L. Stromberg, Marshfield, Oreg.
Application November 7, 1933, Serial No. 697,013
5 Claims. (Cl. 146—16)



1. The combination, in a nutcracker, of an elongated lever having a crushing surface adjacent one end and a handle portion at the other end, a rigid laterally extending head portion, one end of which is fixed to the end of the lever adjacent the crushing surface and the other end of which is shaped to provide a depending portion, a second elongated lever having a crushing surface and a handle portion, and a link means pivotally connected at one end to the depending portion of said head and at the other end to the second lever adjacent the crushing surface end thereof.

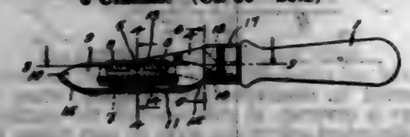
2,031,190
TIN CUTTER
Adolf Swedelund, Toledo, Ohio
Application January 4, 1934, Serial No. 705,887
Renewed August 16, 1935
1 Claim. (Cl. 164—89)



A cutter as set forth comprising an elongated handle substantially rectangular in transverse section, a straight flat cutting blade integral with the forward end of the handle and coplanar therewith, and a pointed flat jaw member integral with the forward end of the handle and

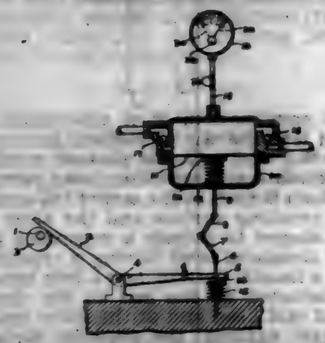
coplanar therewith and disposed in spaced relation to the blade, the line of cutting of the blade being in the line of thrust of the handle, said jaw member having a convex inner edge portion terminating at the rear end thereof in spaced relation to the confronting edge of said blade.

2,031,191
PARING KNIFE
Adolf Swedelund, Chicago, Ill.
Application September 12, 1934, Serial No. 743,901
6 Claims. (Cl. 30—20.1)



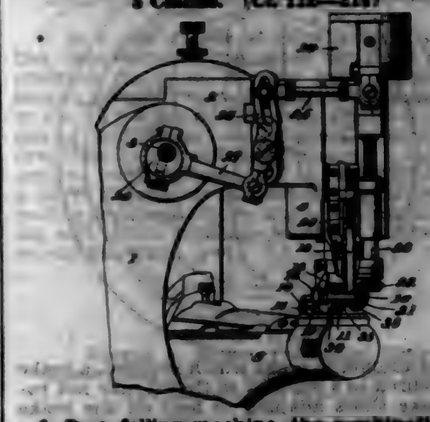
1. An implement of the character described, comprising a handle, an elongated transversely arcuate body extending from one end of the handle, said body having a longitudinal slot therethrough, a paring blade disposed against the concave face of said body and having a sharpened edge extending through said slot and its opposite edge lying adjacent a longitudinal edge of the body, and a securing element engaging over said body at one longitudinal edge and having a portion overlying said blade and securing the same against said arcuate face.

2,031,192
METER FOR INDICATING RATIO OF FLUID FUEL CONSUMPTION TO ENGINE SPEED
William F. Sutherland and Griffin G. Waite, Toronto, Ontario, Canada
Application October 27, 1933, Serial No. 695,486
2 Claims. (Cl. 73—51)



1. As a means for indicating the ratio of fuel consumed to distance travelled in fuel engine-propelled vehicles the combination with a pump supplying fuel to said vehicle propulsion engine, said pump having a casing having a pump element operating therein in one direction by said engine at a rate fixed in relation to the engine speed to create a fuel flow to the engine, valve means controlling the inlet and outlet of fluid to and from said casing, means permitting lost motion between the engine and the pump element operated thereby, spring means opposing the engine operated movement for returning the pump element during periods of cessation of the former movement, the said spring means acting to control the pressure in accordance with the engine fuel requirement, of means influentially connected with the pump chamber defined by the operated pump element, the valves, and the pump casing and indicating through the mean pressure therein the ratio between the fuel requirements and distance travelled by the vehicle.

2,031,193
FELLING MACHINE FOR SEAMING FABRIC SECTIONS
Charles S. Thompson, Elmhurst, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application September 19, 1932, Serial No. 633,900
5 Claims. (Cl. 112—214)



1. In a felling machine, the combination of a work support, a presser foot adapted to receive and direct interfolded fabric sections, stitching devices for uniting the interfolded fabric sections, a feeding means including a feed roller yieldingly contacting with the fabric sections on the work support in rear of the presser foot, and means for intermittently rotating said roller, a feed dog mounted beneath the work support and engaging the material beneath the presser foot, said presser foot and said feed roller having channels in their fabric engaging faces located in alinement and adapted to receive the interfolded portions of the fabric sections, each of said channels being of a greater width than the interfolded fabric sections and of a greater depth than the combined thicknesses of the interfolded fabric sections.

2,031,194
BUILDING BLOCK
Howard E. Thompson, San Francisco, Calif.
Application September 18, 1925, Serial No. 40,797
3 Claims. (Cl. 46—25)



1. A building-block for forming tracks comprising a flat block having its opposite ends beveled in opposite directions to form long and short sides and having a tenon formed integral with one end and a mortise formed in the opposite end whereby a series of said blocks may be connected with their shorter edges adjacent to form an arch, or connected, with each alternate block reversed, to form a straight extension; and similar tracks formed upon opposite flat surfaces of said flat block.

2,031,195
TOY LOCOMOTIVE, TRAIN AND TRACK
Howard E. Thompson, San Francisco, Calif.
Application September 16, 1925, Serial No. 40,796
9 Claims. (Cl. 46—1)



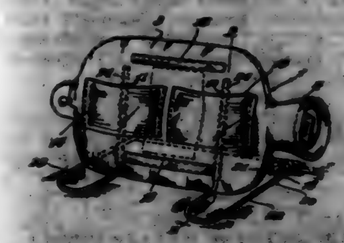
5. The combination with a toy locomotive and track having open crossings with longitudinally disposed central rails radiating from said open crossings, of a shoe mounted upon the bottom of said locomotive and slidable between the rails of said track to retain said locomotive thereon, said shoe being provided with a centrally disposed groove to engage said central rail and guide said shoe through said open crossing.

2,031,196
SHOE SOLE
Francisco Vicente, Habana, Cuba
Application December 17, 1934, Serial No. 757,961
In Cuba January 3, 1934
2 Claims. (Cl. 36—30)



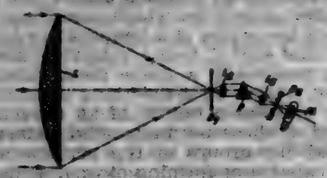
1. A sole for shoes having a base composed of a leather sole and a lower layer of crepe rubber stitched to it, a tread portion composed of straps of sole-leather and straps of crepe rubber arranged parallel and alternately, and rubber cement uniting all said elements.

2,031,197
HOT WATER BAG COVER AND STAND
Harriet E. Weaver, Yonkers, N. Y.
Application April 14, 1934, Serial No. 720,893
4 Claims. (Cl. 128—238)



1. A device of the class described including a cover comprising walls, said cover being adapted to receive a hot water bag, straps carried on one of said walls, casings carried on said walls and disposed at right angles to said straps, a strap carried on the other of said walls, casings carried on the other of said walls and disposed at right angles to said strap, and a stand removably connected with the cover and having upstanding arms selectively engageable with the casings for disposing either said strap or the straps to confront a human limb.

2,031,198
PHOTOPHONE
George Maurice Wright, Chelmsford, and George Fairburn Brett, Leeds, England, assignors to Radio Corporation of America, a corporation of Delaware
Application April 22, 1933, Serial No. 667,476
In Great Britain April 23, 1932
1 Claim. (Cl. 250—7)



A photophone device including a photoelectric means for translating receiving light variations into electrical variations, means in the light path to said photoelectric means for separating out from the total light incident upon the receiver light of a wave length approximately corresponding to the approximately monochromatic light transmitted from a co-operating transmitter so that only this separated light is permitted to reach the translating device, and wherein the receiver comprises a prism interposed in the path of the light to the translating device, a diaphragm being positioned between said prism and said translating device to select from the spectroscopically obtained series of colors given by the prism that light corresponding to the monochromatic or approximately monochromatic light emitted from the co-operating transmitter, and wherein the diaphragm interposed between the prism and the translating device is adjustable.

2,031,199
COAL BURNER
Alexandre Adrianoff, Brussels, Belgium
Application February 26, 1935, Serial No. 8,294
In Belgium August 17, 1934
5 Claims. (Cl. 122—368)



1. In a coal burner in combination with a combustion chamber provided with a water jacket, an inclined ledge laterally disposed in the said chamber and leading by a tongue-shaped curve to a surface which through another curve joins again the inner wall of the combustion chamber, whereby a water chamber is obtained between the said surface and the said inclined ledge and a free space is formed under the said surface between the latter and the bottom of the said wall, a slope of coal being formed in the

said free space, and means whereby air is blown into the said free space above the said slope of coal.

2,031,200
PROCESS OF MAKING PRODUCTS INCLUDING ALIPHATIC ALDEHYDES
Karl Baur, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application January 30, 1930, Serial No. 424,729. In Germany February 5, 1929
16 Claims. (Cl. 260—135)

1. Process for converting 1,2 alkylene oxides containing from 2 to 4 carbon atoms into products including aldehydes which comprises passing vapors of the oxides at a temperature between about 150° and 450° C. over a catalytic substance comprising essentially a stable metal compound which is not volatile at the working temperatures and which contains a radicle of an oxygen-containing acid of those normally solid elements of the 5th and 6th groups of the periodic system which are capable of forming oxygen acids.

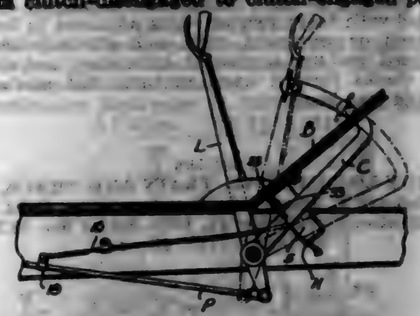
2,031,201
ATTACHMENT FOR COMPARATORS
Robert O. Beardsley, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application May 9, 1935, Serial No. 20,564
4 Claims. (Cl. 88—24)



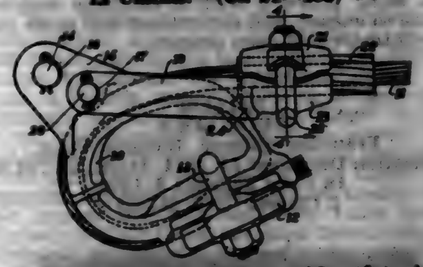
1. In a comparator of the character described having a housing, a horizontal optical instrument projecting through said housing, and a work-supporting table in front of said housing; a hinged bracket mounted on said housing, an arm pivotally mounted on said bracket, a support member adjustably fixed at the free end of said arm, a lamp house and a prism mounted in spaced relation on said support member, and means for adjustably limiting the angle of swing of said arm.

2,031,202
SIGNALING SYSTEM
Leo Edward Blee, Los Angeles, Calif.
Application October 17, 1932, Serial No. 638,068
5 Claims. (Cl. 177—311)

5. In a signaling system of the class described, a signal, a source of current and switching means for connecting the signal and source of current in series, said switching means including means for closing a circuit when the brake of an automobile is on, means for closing a circuit only while the clutch pedal of an automobile is being moved from clutch-disengaged to clutch-engaged position, and means whereby said switching means are in series circuit.

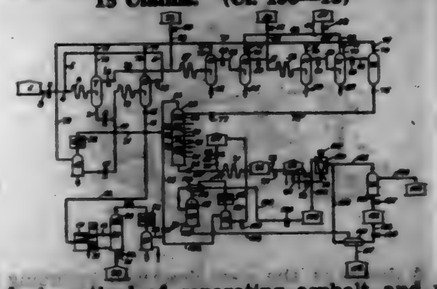


2,031,203
CABLE CLAMP ATTACHMENT
Floyd G. Bevard, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application November 23, 1934, Serial No. 754,451
11 Claims. (Cl. 24—135)



1. The combination with a cable, of a clamp for supporting said cable, armor rods enclosing said cable adjacent said clamp, a pair of jaws gripping said armor rods and holding said armor rods in place on said cable, and a link rigid with one of said jaws and pivotally connected with said clamp.

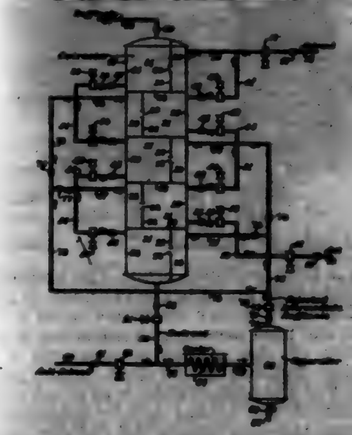
2,031,204
METHOD FOR PRODUCING LUBRICATING OIL
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application October 6, 1930, Serial No. 486,715
15 Claims. (Cl. 196—13)



1. A method of separating asphalt and wax from oil containing the same which comprises mixing said oil with a liquefied volatile solvent, separating said asphalt from the liquefied solvent, oil and wax, separating substantially all of said solvent from the oil and wax, adding naphtha,

to cause separation of wax from the oil-naphtha solution, removing the wax from the oil and naphtha and subsequently removing the naphtha from the oil.

2,031,205
PROCESS FOR SOLVENT EXTRACTION OF OILS
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application April 3, 1934, Serial No. 718,815
8 Claims. (Cl. 196—13)



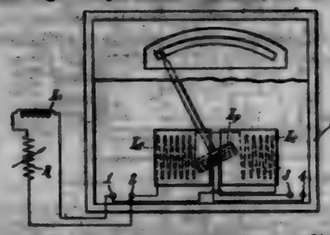
1. A process for the separation of oil into paraffinic and non-paraffinic fractions which comprises, commingling said oil with a selective solvent and thereby forming a raffinate phase containing paraffinic oil fractions and an extract phase containing selective solvent and dissolved oil fractions, separating said phases, commingling said extract phase with an anti-solvent, said anti-solvent being more soluble in the extract phase than in the raffinate phase and adapted to cause separation of the extract phase into two layers, one layer containing oil fractions relatively more paraffinic in character than the other of said layers, separating said layers and returning the more paraffinic oil layer to the extraction system, at a point between the points of introduction of the oil and selective solvent into said system.

2,031,206
COMPOUND AND COMPOSITIONS CONTAINING SAME
Bozetech C. Bren, Cedar Grove, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 24, 1934, Serial No. 713,375
16 Claims. (Cl. 106—48)

1. Composition comprising a cellulose derivative and a N-alkoxyalkyl aryl sulfonamide as a plasticizer therefor.

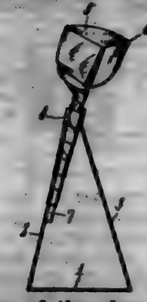
2,031,207
COMPENSATED WATTMETER
Glenn H. Browning, Winchester, Mass., assignor to Dobie Engineering Company, Medford, Mass., a corporation of Massachusetts
Application January 31, 1924, Serial No. 690,152
17 Claims. (Cl. 171—94)

3. In a wattmeter having a deflectable voltage coil, a current circuit, and a deflection indicator, and in which the current circuit has a relatively high impedance, means for nullifying the effects of distributed capacity, due to the construction of such high-impedance circuit, on the voltage



coil, so that when an alternating voltage is applied to said voltage coil with the current circuit disconnected from external sources of excitation, substantially no deflection thereof will take place.

2,031,208
LOLLIPOP FIGURE
Margaret Anna Burgard, South Williamsport, Pa., assignor to C. A. Reed Company, Williamsport, Pa., a corporation of Delaware
Application January 18, 1934, Serial No. 707,146
10 Claims. (Cl. 46—182)



1. In a device of the class described, a sheet material base having relatively narrow spaced portions extending upwardly therefrom, and a lollipop having a stick portion in substantially upright position, secured to said spaced portions.

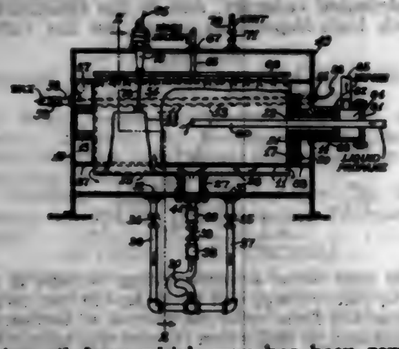
2,031,209
IMITATION LINEN FABRIC
Harry H. Burton, Webster, Mass., assignor to Slater Mills, Inc., Webster, Mass., a corporation of Massachusetts
No Drawing. Application October 18, 1933, Serial No. 694,648
4 Claims. (Cl. 28—1)

1. An imitation linen fabric woven from a thread made from spun rayon and cotton fibers and having haphazard irregularities similar to those characteristic of natural linen thread.

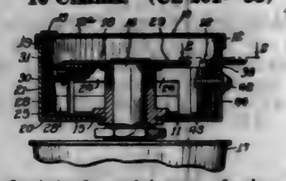
2,031,210
PROCESS AND APPARATUS FOR DEWAXING OIL
Lyle Dillon, Los Angeles, and Claude E. Swift, Glendale, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application September 19, 1931, Serial No. 563,994
8 Claims. (Cl. 196—24)

1. A process for the separation of wax from wax-bearing oil which comprises circulating a body of substantially wax-free oil in a continuous path between electrodes charged to a high electric potential difference, introducing a wax-bearing

oil to be dewaxed into said first mentioned oil, depositing wax on one of said electrodes and removing oil from which wax has been removed from said path.



2,031,211
ELECTRICAL RESISTANCE DEVICE
Willy Dumke, Chicago, Ill., assignor to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois
Application July 9, 1932, Serial No. 621,609
10 Claims. (Cl. 201—55)



5. An electrical resistance device having, in combination, a resistor, an element movable across the face of the resistor, and a contact member interposed between said parts including a strip of U-shaped cross section arranged to straddle one side edge of the resistor and having one portion disposed adjacent to the surface of the resistor between said resistor and element and a supporting portion positioned opposite the other face of the resistor for supporting the first mentioned portion in normally spaced relation to said resistor.

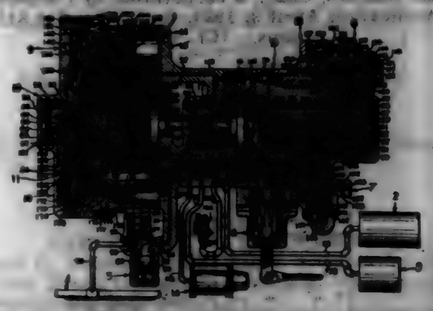
2,031,212
PRINTING PAD
Bernard Dwofsky, New York, N. Y.
Application June 28, 1934, Serial No. 732,766
4 Claims. (Cl. 91—54.5)



1. An inking pad comprising a casing, an inking surface thereon, an ink paste in the casing, and yieldable means supplying the inking surface with ink.

2,031,213
FLUID PRESSURE BRAKE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 20, 1932, Serial No. 612,465
In Mexico January 9, 1931
113 Claims. (Cl. 303—15)

1. In a fluid pressure brake, the combination with a brake pipe and a triple valve device comprising a main valve, a graduating valve having a friction opposed movement relative to the main valve, and a piston operated upon a reduction in brake pipe pressure for operating said valve, of means operative upon movement of said graduating valve from release toward service position relative to the main valve for venting fluid under pressure from the brake pipe, and means for yieldingly opposing movement of said graduating valve by said piston to its brake pipe venting position.

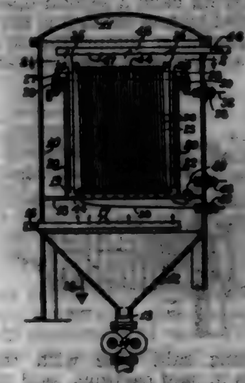


63. In a fluid pressure brake, the combination with a brake pipe and a brake cylinder, of a brake controlling valve device operative upon a reduction in brake pipe pressure in initiating a service application of the brakes to establish a communication through which fluid under pressure is supplied to the brake cylinder to effect a service application of the brakes and to establish communication through which fluid under pressure is locally vented from the brake pipe, and means subject to a light substantially constant pressure and to the opposing pressure of the brake cylinder for permitting a continuance of the local venting of fluid from the brake pipe and operated when the brake cylinder pressure slightly exceeds said light pressure and independently of the operation of the brake cylinder for cutting off and maintaining cut off the local venting of fluid from the brake pipe which is controlled by said means so long as the brake cylinder pressure is at or above said light pressure.

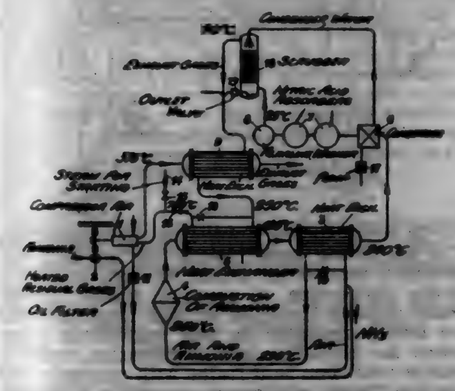
165. In a fluid pressure brake, the combination with a brake pipe, a brake cylinder and an auxiliary reservoir, of an emergency valve device operated upon a sudden reduction in brake pipe pressure for supplying fluid under pressure to the brake cylinder, and operated upon an increase in brake pipe pressure after a sudden reduction in brake pipe pressure for supplying fluid under pressure from the brake cylinder and auxiliary reservoir to the brake pipe, and a ball valve for preventing back flow of fluid from the brake pipe to the brake cylinder and auxiliary reservoir when the brake pipe pressure is higher than the auxiliary reservoir and brake cylinder pressures, and a spring for seating said valve to close off the flow of fluid from the auxiliary reservoir and brake cylinder to the brake pipe before the brake pipe pressure has increased to that of the auxiliary reservoir.

2,031,214
PROCESS AND APPARATUS FOR DEWAXING OIL
Harmon F. Fisher, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application October 9, 1933, Serial No. 692,722
16 Claims. (Cl. 204—24)

1. A process for dewaxing oil which comprises generating an electric field between electrodes of opposite polarity, passing a wax-containing oil through said field whereby wax is deposited on certain of said electrodes and periodically heating said electrodes upon which wax has been deposited to remove the deposited wax from said electrodes while maintaining a body of wax-containing oil in contact with said electrodes.

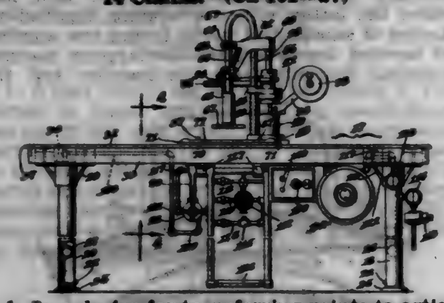


2,031,215
PROCESS FOR UTILIZING THE HEAT IN THE OXIDATION OF AMMONIA TO NITRIC ACID UNDER PRESSURE
Thadeus Hebler, Paris, France, assignor to the firm Hydro Nitro S. A., Geneva, Switzerland, a corporation of Switzerland
Application June 19, 1934, Serial No. 731,254
In Germany August 4, 1933
4 Claims. (Cl. 23—162)



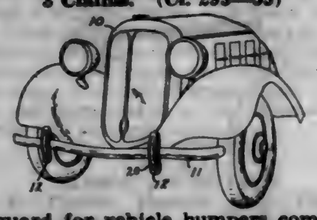
1. In the production of nitric acid under pressure by the oxidation of ammonia by air under pressure, the indirect cooling of the products of combustion by water, absorption of the resulting oxides in water and utilizing the residual gases in an expansion engine to compress air for said combustion, the process which comprises saturating said residual gases from said absorption by direct contact with hot water used in cooling said products of combustion, heating said residual gases after contact with said water first by abstraction of heat from the exhaust gases from said expansion engine and then by abstraction of heat from the products of said oxidation.

2,031,216
TEXTILE WORKING DEVICE
Samuel Edward Kalbach, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application April 24, 1934, Serial No. 722,971
14 Claims. (Cl. 101—27)



1. In a device for transferring prints to articles including in combination, a base member, a reciprocable platen mounted on the base member, a platform having a thin metallic surface beaded at the edges thereof for supporting said base member and platen, said base member and platen having their respective edge portions curved downwardly toward said platform, whereby a smooth graduated descent from the surface of the platen to the surface of the table is provided, thereby protecting the article worked upon from injury incident to sharp edges, and a die unit also mounted on said platform, and means for actuating said die unit.

2,031,217
GUARD FOR AUTOMOTIVE VEHICLE BUMPERS
Otto Kernspecht, Cleveland, Ohio, assignor to Variety Machine & Stamping Company, Cleveland, Ohio, a corporation
Application May 15, 1934, Serial No. 725,701
3 Claims. (Cl. 293—55)

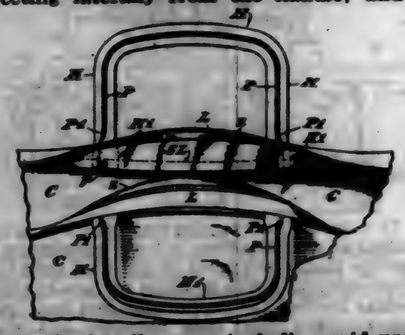


1. A guard for vehicle bumpers comprising a stamped metal member having a continuous, marginal, bumper engaging flange, said member having a centrally disposed laterally offset portion lying within said continuous flange in spaced relation and forming a depression in the face of said member, and a non-metallic member secured to said offset portion and filling said depression, said non-metallic member being of greater depth than said depression, whereby to project outwardly from the face of said stamped metal member.

2,031,218
HANDBAG
Jacob H. Klotz, Bronx, N. Y.
Application March 15, 1933, Serial No. 660,789
2 Claims. (Cl. 150—12)

1. As an article of manufacture for combination with a hand-bag constructed with two flexible members having stitched-together facing-portions in the vicinity of its top opening, an ex-

terior two-ended generally U-shaped handle including a flexible generally tubular non-metallic cover and a built-in metallic member therein imparting rigidity thereto, said handle-cover consisting of a long relatively narrow flexible strip substantially wider than the dimension of the periphery of said metallic member and laid around the latter with overlapping longitudinal margins of substantial width facing one another and secured together; said overlapping margins projecting laterally from the handle; and the



ends of the handle-cover including said projections extending beyond the ends of said interior metallic member and said overlapping margins having sufficient width to enable them to be folded over on the main portion of said extending ends of the handle-cover, all whereby said ends and the overlapping margins folded thereover are substantially flat and flexible with four thicknesses of material and adapted for interposition between and securing to the two stitched-together flexible portions of the hand-bag.

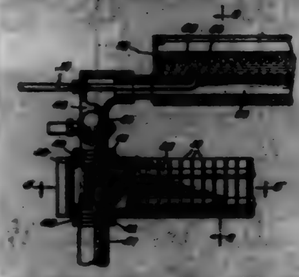
2,031,219
VEHICLE WHEEL INCLOSURE
Edwin A. Koch, River Edge, N. J.
Application March 9, 1934, Serial No. 714,772
3 Claims. (Cl. 280—153)



1. In a wheel inclosure of the character described, a body portion extending over the wheel, said body portion having an opening therein adjacent the outer side of the wheel for enabling access to the wheel, a flap for normally fully closing said opening, said flap being hingedly connected at its upper edge by a horizontal hinge to said body portion, and releasable spring means connected at one end to said flap and acting to urge said flap inwardly about its hinged connection for yieldably holding said flap in closed position.

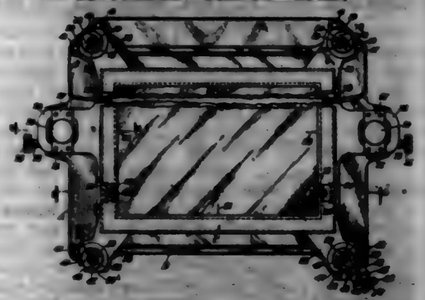
2,031,220
HUMIDIFYING SYSTEM
Charles J. Lohs, Oak Park, Ill.
Application August 15, 1931, Serial No. 557,394
3 Claims. (Cl. 237—73)

1. The combination with a radiator comprising a pair of spaced identical castings forming chambers and having each an opening to receive a connection with a source of fluid heating medium and radiator pipes mounted between the castings and communicating between said chambers, said castings having each a second opening, of a humidifier carried by and extending between said castings, said humidifier comprising an elongated cistern having an open top, a pipe in said cistern,



means connecting said pipe with the second named openings in said castings, said cistern being supported on and carried by said pipe, a feed water pipe extending within the humidifier pipe and connected with a remote water supply, said feed water pipe extending through the side of the humidifier pipe in position to discharge into said cistern.

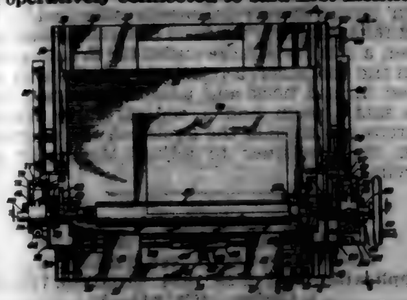
2,031,221
REGISTERING APPARATUS
Dante V. Mimmocca, New York, N. Y., assignor to Eureka Photo Mechanical Equipment, Inc., New York, N. Y., a corporation of New York
Application August 12, 1931, Serial No. 556,710
10 Claims. (Cl. 33—184.5)



1. In a registering apparatus the combination of a supporting table, means for movably supporting a registering frame thereon, means for fixedly supporting a negative frame thereon, means slidably mounted on said negative frame and fixedly mounted on said registering frame, means for adjusting said registration frame to register marks on said frame with marks on said negative frame, said means operating to position said slidable means with respect to said negative frame, and means for clamping said slidable means in adjusted position on said negative frame.

2,031,222
MACHINE FOR TRANSFERRING DESIGNS
Dante V. Mimmocca, New York, N. Y., assignor to Eureka Photo Mechanical Equipment, Inc., New York, N. Y., a corporation of New York
Application August 15, 1931, Serial No. 557,550
16 Claims. (Cl. 101—93)

1. An apparatus for transferring a design from a plane surface to a cylindrical surface, the combination with a cylindrical surface, of a traveling frame for said cylindrical surface, a gear rotatably connected with said cylindrical surface, a gear traveling with said traveling frame and operatively connected to said first mentioned



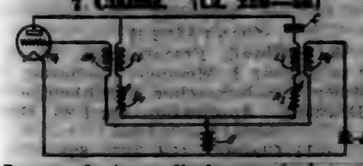
gear, fixed racks with which said second mentioned gear cooperates, and means providing for translatory movement of said cylindrical surface with respect to said traveling frame.

2,031,223
SAFETY RAZOR
Joseph F. Mellen, Providence, R. I.
Application July 2, 1935, Serial No. 29,489
2 Claims. (Cl. 30—44)



1. In a safety razor, a handle, a plate above the handle provided with an opening, an attaching plate fixed intermediate its lengths to the end of the handle and fixed at its ends to the first plate at opposite sides of the opening, a blade carrier slidably mounted on the first plate over the opening, a rock shaft journaled in the handle, a yoke lever fixed to the shaft and bridging the attaching plate pivotally connected with the carrier through the opening, and an operating lever fixed to the shaft.

2,031,224
THERMIONIC OSCILLATION GENERATOR
Eric Baillol Maclin, Oxford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application November 17, 1933, Serial No. 698,150
In Great Britain February 18, 1933
7 Claims. (Cl. 250—36)



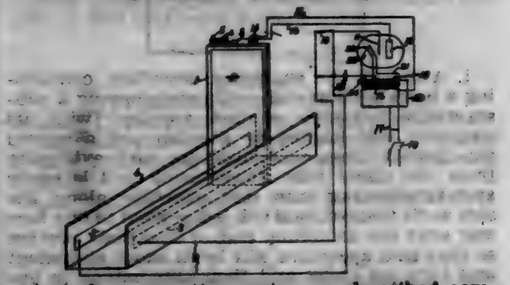
6. In an electron discharge device generator wherein feed-back voltage is desired to be exactly opposite in phase to anode voltage, means for generating a feed-back voltage which leads the desired phase by an appreciable amount, means for generating a feed-back voltage which lags the desired phase by an appreciable amount, and means for combining said two voltages to produce resulting feed-back of phase in exact opposition to the anode voltage.

2,031,225
FINISHING STENCIL
Stella A. O'Donnell, Brooklyn, N. Y.
Application October 4, 1934, Serial No. 746,783
5 Claims. (Cl. 132—73)



1. A nail stencil for use in manicuring or pedicuring to cover and protect the moon-shaped section of the nail which comprises a projecting portion at the forward end of the stencil to cover the said moon-shaped section of the nail, integral side pieces for extending over the adjacent member portion for holding the said stencil in place and a rearwardly extending portion whereby the said stencil may be readily removed.

2,031,226
DOOR OPERATOR
Edward G. Parvin, Roselle, N. J., assignor to National Pneumatic Company, Rahway, N. J., a corporation of West Virginia
Application August 3, 1934, Serial No. 738,897
4 Claims. (Cl. 268—1)



1. A door operating system as described comprising a movably supported door, power means connected to the door for moving it and control means for said power means including a pair of elongated electrified metal electrodes having an electric field therebetween mounted in the passage and extending to the door, whereby a person approaching the door and into the electrode field actuates the control means, said electrodes being of sufficient length so that the door is fully open when the person reaches it.

2,031,227
LUBRICATING OILS
Ernest F. Pevere, Beacon, and Clifford G. Ludeman, Fishkill, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 21, 1934, Serial No. 740,765
17 Claims. (Cl. 87—9)

1. A lubricating oil of improved character comprising a mixture of a petroleum lubricating oil with a minor proportion of an esterified hydroxy stearic acid.

2,031,228
PROCESS FOR THE PRODUCTION OF ALKYL HALIDES
John H. Kelly, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 1, 1935, Serial No. 19,191
9 Claims. (Cl. 260—102)

1. In a process for the production of alkyl halides, the step which consists in passing an ole-

fine and a hydrogen halide into an anhydrous liquid medium comprising an alkyl halosulphonate.

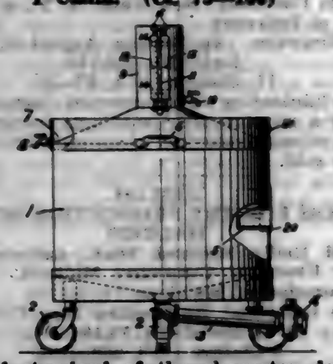
8. In a process for the production of ethyl chloride, the step which consists in passing ethylene and hydrogen chloride into an anhydrous liquid bath of ethyl chlorosulphonate containing bismuth chloride and maintained at a temperature between about 40° and about 70° C. at approximately atmospheric pressure, and collecting the ethyl chloride distilling therefrom.

2,031,229
TAG
Herman Roth, Larchmont, N. Y.
Application June 12, 1935, Serial No. 26,152
5 Claims. (Cl. 40—28)



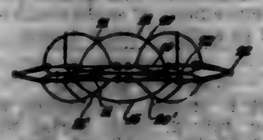
1. A tag of the character described, comprising a body portion and a tab, each having a substantially key-hole shaped aperture with its narrower end located at the top and a curved slit spaced from said aperture and extending from the upper edge downwardly and laterally and terminating into said aperture along the side walls thereof, said tab being fixed to one face and near the attaching end of said body portion so that said apertures will be in exact alignment and form an eyelet and their slits extend in opposite direction and on opposite faces of said body portion and thereby form two resilient flaps or tongues normally closing said eyelet, but which are free to be raised from the closing position by pressure exerted between said tag and the article to which the latter is to be applied, permitting the interlocking of tag and article, and means at the outer end of said slits for guiding the article into the latter.

2,031,230
FIELD STANDARD FOR TESTING LIQUID MEASURING DEVICES
Theophilus A. Seraphin, Philadelphia, Pa.
Application March 8, 1934, Serial No. 714,563
1 Claim. (Cl. 73—166)



A field standard of the character described comprising a container having a neck of relatively small cross-sectional area with respect to the body of the container, a trough about said container below the neck adapted to retain any overflow therefrom, an outlet from said trough to drain liquid therefrom, means attached to said neck for indicating the level of liquid in said container, a relatively large outlet for draining liquid from the container, a relatively small outlet positioned in said neck and adapted to drain liquid into said trough and a control valve therefor, whereby a portion of the liquid may be withdrawn from the container to adjust the liquid level therein.

2,031,231
COLLAPSIBLE WIRE ARTICLE
Manville B. Smith, New York, N. Y.
Application March 22, 1934, Serial No. 717,959
1 Claim. (Cl. 245—1)



In a collapsible and contortible wire article, a pair of units, a ring for each unit, inner and outer sets of substantially semi-circular members for each unit the ends of each of the members movably connected to the respective ring of its unit, the ends of the wires forming the inner sets overlapping the ends of the wires forming the outer sets at their places of connection with the respective ring, and the adjoining apexes of the inner members of each unit notched, and rings in the notches movably connecting the inner members of each unit to permit a ready contortion of the article into numerous shapes and collapsing of the same.

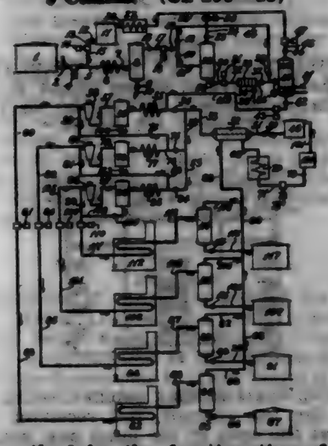
2,031,232
PROCESS FOR AGING ALCOHOLIC BEVERAGES
Erwin F. Spellmeyer, East Orange, N. J.
No Drawing. Application July 10, 1934, Serial No. 734,608
5 Claims. (Cl. 204—26)

1. The method of rapidly aging alcoholic liquors, which method comprises adding an acid catalyst comprising one of the following acids, namely, acetic, tartaric, malic, succinic, tannic and gallo-tannic to the liquor and passing alternating current through the same for a relatively short period.

2,031,233
CONTAINER
Charles W. Stillwell, Framingham, Mass., assignor to Arthur J. Messmer, Rochester, N. Y., and Elmer L. Schumacher, Southbridge, Mass.
No Drawing. Application April 25, 1934, Serial No. 722,361
11 Claims. (Cl. 167—82)

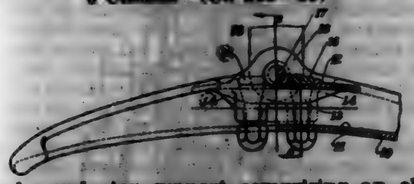
1. A chewable container composed of a composition in which predominates paraffin and an inert filler which is wet more readily by paraffin than by water and which will not substantially show out from the paraffin, said composition having a softening point higher than that of paraffin in its pure state and the ratio of the filler to the paraffin being sufficient to substantially increase the chewability of the paraffin but being less than 70 parts of the filler to 30 parts of paraffin.

2,031,234
FRACTIONATION OF MINERAL OIL
Claude E. Swift, Glendale, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application May 9, 1932, Serial No. 610,197
9 Claims. (Cl. 196—13)



1. A method for the fractionation of oil containing asphalt which comprises commingling said oil in a light hydrocarbon solvent, separating the light hydrocarbon solvent to separate asphalt solution of oil from the undissolved asphalt, separating the light hydrocarbon solvent from the substantially asphalt-free oil, successively extracting said substantially asphalt free oil with an alcohol to form a plurality of fractions and separating said fractions.

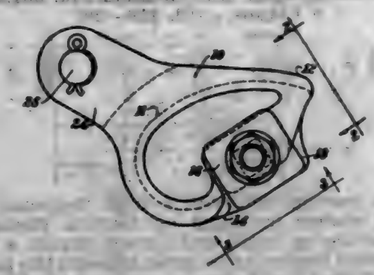
2,031,235
SUPPORT FOR CONDUCTORS
John J. Tayler, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application February 8, 1934, Serial No. 710,258
6 Claims. (Cl. 248—63)



1. A conductor support comprising an elongated saddle member having a conductor seat therein, a keeper piece for holding the conductor in said seat and means for clamping said keeper piece against said conductor, the end portions of said keeper piece beyond said clamping means having the longitudinal elements of the contact faces thereof substantially parallel with the longitudinal elements of said seat so that said end portions will engage a conductor on said seat, said end portions being tapered to grade the pressure exerted thereby on the conductor.

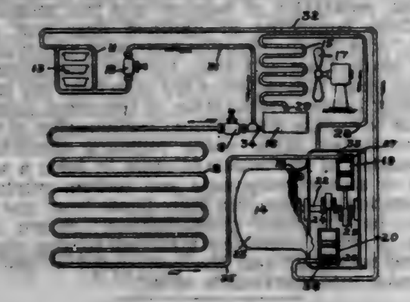
2,031,236
CABLE CLAMP
John J. Tayler, Wadsworth, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application July 15, 1933, Serial No. 680,584
12 Claims. (Cl. 24—123)

1. A clamp for holding a loaded cable and for receiving the force of the load thereon so that the portion of the cable extending from said clamp at one side thereof will be drawn taut by the load and the other end of the cable will be slack, said clamp having a seat of gradually increasing curvature from the taut end of the cable toward the slack end thereof, a portion of



said seat being co-planar with the taut end of the cable held thereby while another portion of said seat is curved laterally out of the plane defined by the taut end of the cable and the first mentioned portion of said seat, said laterally curved portion lying in a plane substantially normal to said first named plane.

2,031,237
REFRIGERATION APPARATUS
Mateen C. Terry, Detroit, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 28, 1932, Serial No. 640,104
4 Claims. (Cl. 62—116)



1. In refrigerating apparatus, the combination of a refrigerator cabinet, a relatively low temperature heat absorbing element for making ice, a relatively high temperature heat absorbing element for cooling the cabinet, means for dividing the cabinet into a low temperature compartment and a high temperature compartment wherein said heat absorbing elements are respectively disposed, first and second refrigerant compressor elements for withdrawing refrigerant vapor, respectively, from the low and high temperature heat absorbing elements, a common condensing means for condensing the refrigerant vapor discharged by both compressor elements and for supplying liquefied refrigerant to both of said heat absorbing elements, a prime mover for driving both of said compressor elements at the same speed, said compressor elements having relatively different ratios of compression so as to maintain different refrigerant pressures in the respective heat absorbing elements.

2,031,226
AUTOMATIC VOLUME CONTROL ARRANGEMENT
Leland E. Thompson, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 7, 1933, Serial No. 664,568
9 Claims. (Cl. 250—20)



1. In combination with a high frequency receiving system including an electron discharge tube having an input and output circuit, a pair of resistors connected in series between the anode and cathode of said tube, a source of anode voltage connected across one of the resistors, said resistors being so arranged that voltages developed thereacross are of opposing polarity, and a direct current connection from the input circuit of said tube to a point on one of said resistors which is at a positive potential with respect to the point thereon to which the cathode of said tube is connected, said point being so chosen that there is a normal resultant negative biasing potential impressed on an input electrode of said tube.

2,031,239
PROCESS FOR THE UTILIZATION OF SUGARCANE BAGASSE
Alfred M. Thomsen, San Francisco, Calif.
No Drawing. Application September 4, 1934, Serial No. 742,631
3 Claims. (Cl. 92—9)

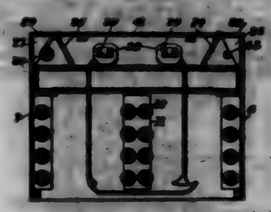
1. A process for paper pulp making which comprises, separation of bagasse into two respective portions consisting of lignified fiber and pith cells; cooking the lignified fiber with active soda-salt made from salt cake for the production of paper pulp; separation of the pulp from the spent cooking liquor; evaporation of the spent cooking liquor to syrupy consistency; incineration of said concentrated liquor under reducing conditions; lixiviation of the resultant mass to form a solution of sodium carbonate and sodium sulphide; separation of these two ingredients from one another by fractional crystallization; return of a part of such recovered material to the circuit where required; and the conversion of the remainder into marketable form.

2,031,240
TOY
Walter J. Van Deest, Los Angeles, Calif.
Application November 6, 1933, Serial No. 696,842
2 Claims. (Cl. 273—58)



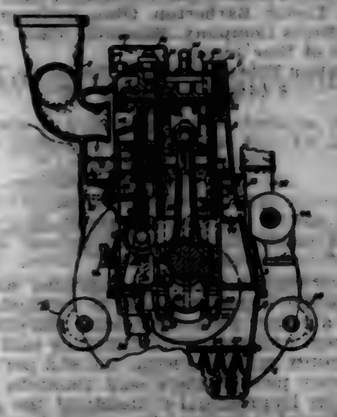
1. A cover for inflatable elastic bodies comprising a plurality of panels of flexible material, each consisting of two parts cut to provide three equi-distantly related dome-shaped projections, the marginal edges of each of which are secured to the corresponding edges of like parts and are co-operable therewith to provide the cover with a plurality of external semi-spherical protuberances.

2,031,241
SHIP CHART CABINET AND DISPLAY CASE
Charles J. Ward, Staten Island, N. Y.
Application March 6, 1934, Serial No. 714,828
4 Claims. (Cl. 40—56)



1. A ship chart holding cabinet having a lamp box at the top thereof, roll receiving pockets located at the ends of the lamp box, bearings in each pocket in which the shaft of a chart holding roll may be mounted for turning, and covers hinged to the cabinet to close the pockets, said covers being of triangular construction so as to remain in closed position by their weight.

2,031,242
ENGINE
Charles A. Winslow, Oakland, Calif.
Application July 21, 1932, Serial No. 623,769
4 Claims. (Cl. 123—73)

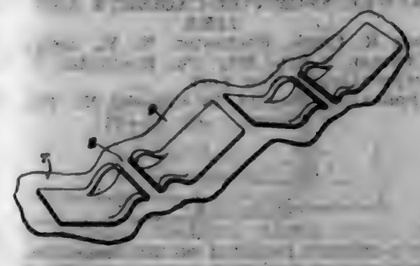


1. In an L-head engine, a cylinder block including a cylinder, a piston, a valve and valve port, a cylinder head containing a combustion chamber covering said valve and overlapping the bore of said cylinder, said combustion chamber being elongated and tangentially disposed with relation to the cylinder and having a cross sectional shape which decreases in area both vertically and horizontally toward the cylinder and forming an open communication between the valve port and cylinder during each opening of the valve, and a fuel injection nozzle positioned above the valve and discharging fuel in a direction longitudinally of the combustion chamber.

2,031,243
TREATMENT OF ORGANIC CELLULAR MATERIALS
Eduard Julius Wolf, Hamburg, Germany
No Drawing. Application July 21, 1933, Serial No. 681,665. In Germany December 27, 1930
12 Claims. (Cl. 99—11)

1. In the treatment of organic cellular materials of animal and vegetable character the step of treating said material with a solution of a salt mixture comprising a sodium salt, a salt selected from the group consisting of potassium and rubidium salts, an alkaline earth salt, and a magnesium salt, in which mixture the sodium salt is in an amount several times greater than the sum of the amounts of said other salts, whereby the cellular structure of the material treated remains substantially unaffected.

2,031,244
METHOD OF MAKING HINGE LEAVES
Earl C. Ahln, Longmeadow, Mass., assignor to Moore Drop Forging Company, Springfield, Mass., a corporation of Massachusetts
Application September 15, 1932, Serial No. 633,336
1 Claim. (Cl. 29—11)

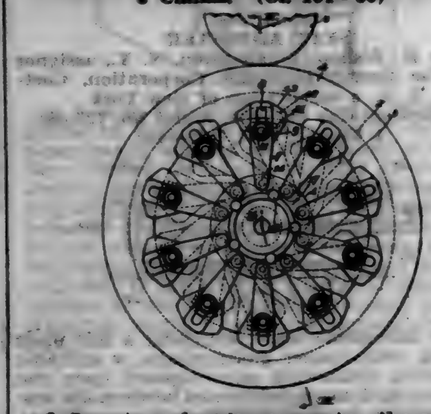


The method of forming hinge leaves having a body with ears at one end and a hood extending around the ears, which comprises forging a bar to increase its thickness at a point corresponding to the hooded end, then forging it to increase its width at about the same point, then forging it to form the hinge bodies at a comparatively wide angle to the direction of the forging movement and to form the ears in diverging positions and a shallow hood and trimming the work-pieces to approximate dimensions and, finally, coin-pressing them with the body at a comparatively narrow angle to the direction of the pressing movement so as to bring the ears parallel to each other and to deepen the hood and bring it further around the ears and to smooth the faces and square the edges and bring them accurately to final dimensions.

2,031,245
METHOD OF DRESSING FABRICS
Christian Boner, Chur, Switzerland, assignor to Radfumer & Cie. A.-G., Horn, Switzerland
No Drawing. Application May 23, 1933, Serial No. 672,253. In Germany February 17, 1933
11 Claims. (Cl. 8—20)

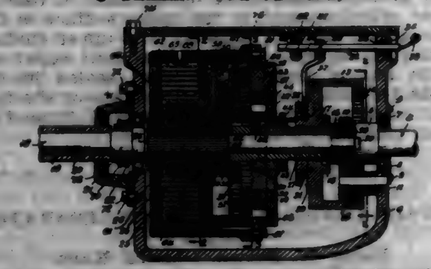
1. In a method of dressing fabrics, particularly cotton fabrics, the steps of treating the fabric with a compound of the group consisting of gelatin and albumin and chemical hardening means, subjecting the thus dressed fabric to an after-treatment with an alkali, and drying the fabric under conditions adapted to produce the desired definite finish of the fabric.

2,031,246
ROTARY SHEAR BLADE CLAMP
Florence C. Biggert, Jr., Crafton, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 19, 1935, Serial No. 50,543
8 Claims. (Cl. 164—69)



6. In rotary shearing apparatus, the combination of a rotatable shaft having a radial flange provided with a seat for an annular blade, an annular blade mounted on said seat, a plurality of clamping fingers disposed radially of said flange with their outer ends overlapping said blade, each of said fingers being provided with a radial slot, a fastening member extending through each of said slots and connecting the adjoining finger to said flange for clamping the blade on the seat, and means pivotally connected to the inner ends of said fingers and rotatable relative to said shaft for simultaneously drawing all of the fingers inwardly relative to said fastening members to free their outer ends from said blade, said flange being provided with means for supporting the outer ends of the fingers when they are withdrawn from the blade whereby the uppermost fastening members are relieved of weight on the adjoining fingers.

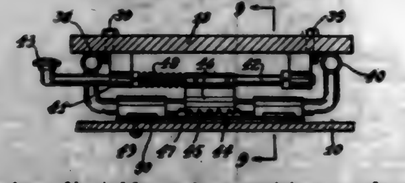
2,031,247
TRANSMISSION
Paul Bischof, Bronx, N. Y.
Application June 28, 1935, Serial No. 28,903
6 Claims. (Cl. 74—414)



1. In a transmission having a driving shaft and a driven shaft; a casing having a cylindrical sleeve which is slidably mounted upon said driven shaft and is rotatable therewith, a cylindrical outer wall which is concentrical with said sleeve, and a bottom portion interconnecting said sleeve and said outer wall; a spiral spring situated within said casing between said sleeve and said outer wall and having an outer end which is connected with the outer wall of said

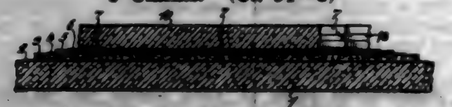
casing, a coupling adapted to be coupled with said casing and to be moved independently thereof, the inner end of said spiral spring being connected with said coupling, and means transmitting the rotation of the driving shaft to said coupling.

2,031,243
SEAT ADJUSTER
Stanley K. Bishop, Binghamton, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a corporation of New York
Application May 26, 1934, Serial No. 727,684
4 Claims. (Cl. 155—14)



3. An adjustable seat comprising a sole plate provided with runner guide means, a shiftable rectangular framework superimposed upon the sole plate, skid means interposed between the sole plate and the framework to include a rectilinear runner section mounted to ride upon the guide means and having a spacer strut section adjoined to each runner end extending upwardly toward the framework and which struts respectively terminate in a brace shank disposed in an axially crosswise relation with respect to the runner length, complementary bracket fixtures attached to the framework in spaced relationship and which fixtures each include a clamping trough that are respectively disposed to grip a different brace shank, and a manipulative latch rod carried by and rotatably mounted between said fixtures.

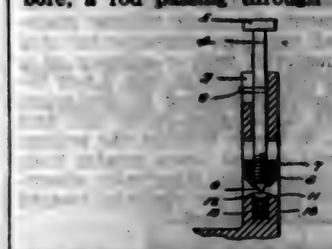
2,031,249
WATERPROOF AND FIREPROOF FLOOR CONSTRUCTION
Oliver S. Bowman, Colorado Springs, Colo.
Application February 27, 1933, Serial No. 658,523
5 Claims. (Cl. 94—3)



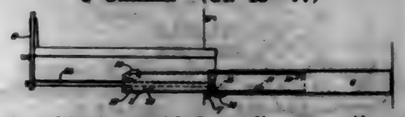
1. A floor construction comprising, a base, a layer of felt secured to the upper surface of the base by an asphalt adhesive, the upper surface of the felt having a coating of asphalt, separator strips having their lower edges sealed in the asphalt coating on the upper surface of the felt, and blocks of cementitious material formed in place between the separator strips.

2,031,250
REPAIR DEVICE FOR CREAM SEPARATOR DISKS
Elmer W. Brown, Oberlin, Kans.
Application February 15, 1934, Serial No. 711,444
1 Claim. (Cl. 153—21)

A device for re-forming indentures in cream separator disks comprising a body having an upstanding projection thereon formed with an elongated rounded upper edge, said rounded edge acting to prevent breakage or distortion of the curvature of a disk being operated upon, said projection having a circular bore extending downwardly from the central portion of said rounded edge, a spring pressed plunger in the bore, the upper end of which snugly fits in the top part of the bore, an arm carried by the body and having a vertically arranged part located above the projection, said part having a vertical bore therein in alignment with the first mentioned bore, a rod passing through the second mentioned bore and having its lower end tapered and terminating in a flat part, the lower end of the rod being threaded, a pair of nuts on said threaded end, the lower one having its lower end tapered to prevent breakage of the curvature and said lower nut limiting downward movement of the rod.



2,031,251
DRAWER STOP FOR CABINETS AND THE LIKE
James R. Clark, Rochester, N. Y., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y., a corporation of New York
Application May 12, 1934, Serial No. 725,302
6 Claims. (Cl. 45—77)

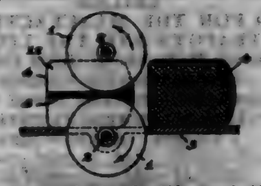


1. A cabinet provided on its respective sides with a pair of opposing drawer supports, a carriage slide slidable on said supports, a drawer slidable on said carriage, a bumper on said drawer, a drawer stop normally causing said bumper to engage a portion of the slide to limit the relative movement between said drawer and said slide, said drawer stop being movable to permit the separation of the drawer from the carriage slide, and stationary means mounted on a side of the cabinet and having a surface engaging said drawer stop on the closure of the drawer after its replacement in the carriage slide for restoring the stop to its drawer retaining position, the uppermost surface of said stop in its normal position being in a plane below the engaging surface of said stationary means.

2,031,252
PROCESS OF SLICING BREAD
Harry J. Criner, Davenport, Iowa, assignor, by mesne assignments, to The Micro Corporation, Bettendorf, Iowa, a corporation of Delaware
Application February 18, 1931, Serial No. 516,868
10 Claims. (Cl. 99—14)

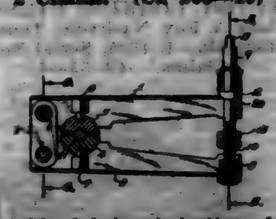
7. The method of slicing a loaf of bread which consists in cutting transversely into said loaf from opposite sides and substantially to the central zone thereof and leaving narrow uncut portions extending inwardly from the opposite sides thereof integrally tying adjacent slices together, thereby providing an uncut portion extending from end to end of the loaf throughout the central zone thereof.

8. A baked loaf of bread having a plurality of opposed slicing cuts extending from opposite sides inwardly to the central zone thereof and having narrow uncut frangible portions between the opposed slicing cuts and extending inwardly from the crusts of the other opposite sides thereof in such position as to hold the cut crustless



surfaces in substantially abutting relation, whereby to hold the cut loaf in loaf form during subsequent handling and whereby the slices may be singly and progressively removed by rupturing the narrow uncut portions without disturbing the relative positions of the other slices.

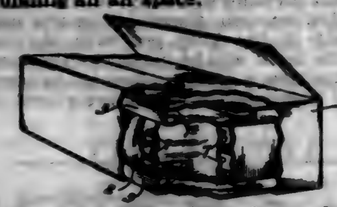
2,031,253
OIL TESTING DEVICE
Lloyd L. Davis, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application November 14, 1935, Serial No. 49,795
2 Claims. (Cl. 265—10)



2. A portable lubricant testing device comprising in combination a pair of elongated members having one pair of respective ends thereof hingedly connected, recesses formed in said members adjacent the points of said connections, means forming a bearing disposed in said recesses, a shaft journaled in said means, a member having screw threaded engagement with the free end of one of said members, said screw threaded member being provided with a collar adapted to engage the other of said members, a graduated sleeve frictionally positioned on said screw threaded member for initially rotating the same to bring said bearing means into contact with said shaft, means for rotating said screw threaded member to clamp said bearing means against said shaft, and a stop positioned on said screw threaded member adapted to engage said elongated member with which said screw threaded member has threaded engagement for preventing overloading and springing of said elongated members.

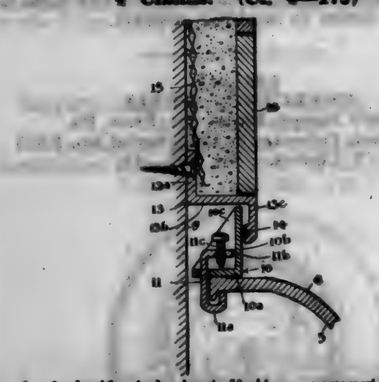
2,031,254
HEAT INSULATED FOOD PACKAGE
Ralph H. Derr, Oakmont, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 18, 1931, Serial No. 551,569
4 Claims. (Cl. 229—14)

1. In a paper board carton for transportation of perishable foodstuffs, a heat-insulating liner formed of paper board corrugated on one side and having a sheet of bright pliable metal foil connected to the peaks of the corrugations, said liner shaped to provide a hollow tubular structure of substantially rectangular cross-section with said pliable metal foil forming inner walls surrounding an air space.



3. A heat-insulating liner for packages comprising an elongated unitary strip of corrugated paper having opposed notches formed in opposite sides thereof defining a plurality of connected sections, the material of each section being folded longitudinally upwardly from the opposite edges inwardly and downwardly to form a plurality of divided tubular air spaces, the material of said strip being folded transversely to bring the adjacent ends of the dividing tubular air spaces into registry to form a continuous closed polygonal structure having divided communicating hollow walls.

2,031,255
BATHTUB
Hans S. Doubelbeiss, Montreal, Quebec, Canada
Application March 7, 1934, Serial No. 714,483
In Canada January 11, 1934
4 Claims. (Cl. 4—173)

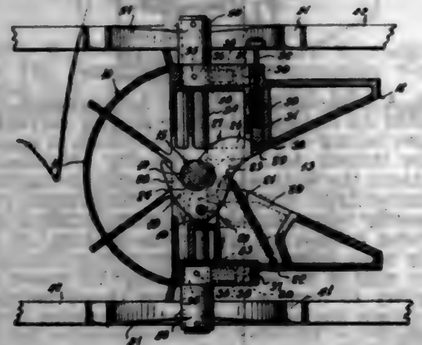


1. A bath tub installation comprising a tub presenting marginal members lying close to and parallel with unfinished side wall surfaces of the room in which the tub is installed, said tub resting directly on the floor of the room free of attachment to the side walls and being thus free to follow settling movements of said floor, a plaster or tile finishing wall on the sides of the room beyond the side wall area concealed by the tub, said finishing wall presenting edge portions lying adjacent to the aforesaid marginal members of the tub, and flange-forming elements projecting beyond the said edges of the finishing wall into overlapping relation with the inner surfaces of the marginal members of the tub to form a slip joint closing the gap between the tub and the finishing wall.

2,031,256
SEMIAUTOMATIC FIFTH WHEEL CONSTRUCTION
Claude E. Dorsey, Jr., Elba, Ala.
Application March 22, 1935, Serial No. 12,569
3 Claims. (Cl. 280—33.1)

1. A fifth wheel structure of the class described having a body provided with a socket to receive

a king pin, a latch to secure the king pin to the body, means pivoting said latch to the body, said latch having an arm disposable in the path of engagement of the king pin with the socket, whereby the latch will be moved by the king pin to closed position, a spring connected to the latch and to the body urging opening movement of the



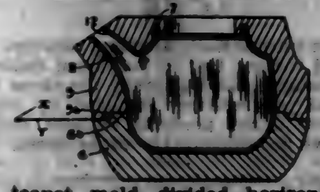
latch, and a securing means for the latch automatically engageable therewith when the latch is in closed position, comprising a slide, sprung means urging said slide into the path of opening movement of the latch, said latch having a second arm, said second arm having a cam surface engageable with said slide to displace the slide as the latch moves to latching position.

2,031,257
EMERGENCY WHEEL
Henry Joseph Finke, Jr., Etna, Pa.
Application February 8, 1935, Serial No. 5,855
2 Claims. (Cl. 301—49)



1. An emergency wheel and non-skid device for a motor vehicle comprising a wheel body, a tire carried thereby and of less diameter than the tire of the main wheel, means for connecting the hub portion of the emergency wheel to the hub of the main wheel, the rim and tire of the emergency wheel having radial slots therein, a floating ring carried by the emergency wheel, spring means for holding the floating ring in a central position, radial lugs carried by the ring and passing through the slots, and manually operated means for moving the lower portion of the ring downwardly to project the lugs of said portion against the road surface, said means including a sleeve vertically arranged and connected to a part of the vehicle, a shank slidably arranged in the sleeve, a roller at the lower end of the shank engaging the floating ring, a rock shaft, a cam lever pivoted to the sleeve and engaging the upper end of the shank, and means connecting the lever to the rock shaft for moving the lever into engagement with the shank when the shaft is rocked in one direction.

2,031,258
MOLD FOR THE MANUFACTURE OF TEAPOTS AND THE LIKE
Fenwick D. Foley, St. John County, New Brunswick, Canada
Application April 19, 1935, Serial No. 17,294
In Canada April 21, 1934
2 Claims. (Cl. 25—129)



1. A teapot mold divided horizontally into upper and lower sections, the wall of the upper section being pierced by a tubular spout forming cavity bounded by said wall.

2,031,259
ELECTRIC COOKING UTENSIL
Clark A. Fox, Nashville, Tenn.
Application May 1, 1933, Serial No. 19,189
7 Claims. (Cl. 53—5)



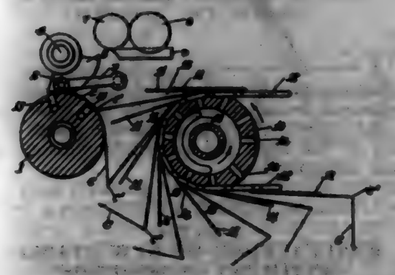
1. An electric cooking utensil, comprising an upper and lower open section hinged together, a toothed plate mounted in the lower section, a movable toothed plate mounted in the upper section, and means connected with the upper section for moving said section with reference to the lower section said means comprising a shaft mounted in the upper hinged section, and an element carried by said shaft and adapted to engage the said movable toothed plate to impart a vertical movement to said plate upon rotation of said shaft.

2,031,260
INFUSIBLE SYNTHETIC RESINS AND PROCESS OF MAKING SAME
Alphonse Gams, Gustave Widmer, and Karl Frey, Basel, Switzerland, assignors, by mesne assignments, to the firm of Ciba Products Corporation, Dover, Del.
No Drawing. Application October 8, 1930, Serial No. 387,260. In Switzerland October 22, 1929
27 Claims. (Cl. 92—21)

26. A method of producing moldable sheet material with which an infusible but thermoplastic reaction product of melline and formaldehyde is incorporated, which comprises forming an acid solution by reacting one mol of melline with more than one mol of formaldehyde in presence of at least approximately one mol of a mineral acid,

saturating pulp with this solution, precipitating with alkali from the solution the condensation product on and around the fibers of the pulp, and thereafter forming paper therefrom.

2,031,261
SEAL-FLAP GUMMING AND DRYING IN ENVELOPE MACHINES
Max Goder, Neuss, Germany, assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application May 6, 1935, Serial No. 20,944
In Germany May 11, 1934
5 Claims. (Cl. 93—42)



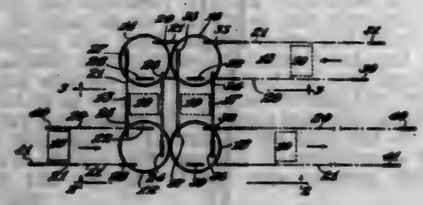
4. In an envelope machine, a gumming mechanism for the seal flaps of successively-presented envelopes, and a drying chain receiving said envelopes from said gumming mechanism, in combination with suction means associated with the gumming mechanism and operable on each seal flap, for maintaining the delivery position of each envelope on the drying chain, and suction means associated with said drying chain, and brought into action substantially coincident with the release of the seal flap by the first suction means for maintaining such delivery position while the chain travel is being reversed.

2,031,262
DISTRIBUTING APPARATUS
George H. Hill, Jr., Parkersburg, W. Va.
Application May 18, 1933, Serial No. 671,725
5 Claims. (Cl. 239—34)



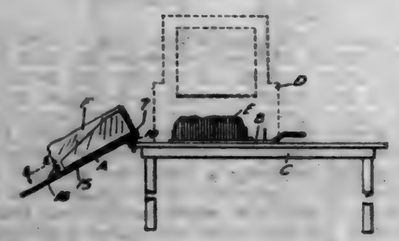
1. Apparatus of the character described comprising a vehicle, a pump mounted on said vehicle and provided with a fluid intake, a distributing pipe forming the outlet of said pump, a by-pass connecting said fluid intake and said distributing pipe, a valve controlling the passage of fluid from said distributing pipe to said intake through said by-pass, control means operatively connected to the vehicle, means actuated by said control, means for progressively opening and closing said valve upon the respective deceleration and acceleration of the vehicle speed, and a source of power for said pump, said last-named means being operatively connected to a means for accelerating and decelerating the speed of said power source upon the respective acceleration and deceleration of the vehicle speed.

2,031,263
CONVEYER
Chester S. Jennings, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts
Application March 26, 1934, Serial No. 717,325
5 Claims. (Cl. 198—127)



1. In a conveyer system wherein the conveyer mechanism includes a pair of parallel chains and cars supported thereby, said cars being connected at one corner to one chain and at a diametrically opposite corner to the other chain, a riser unit through which the cars are carried by the chains and by which the cars are turned through an arc during their passage through the unit, said unit including sprockets about which the chains turn upon entering the unit, sprockets about which the chains turn upon leaving the unit and tracks guiding the chains from one set of sprockets to the other set of sprockets.

2,031,264
DEVICE FOR SACKING SLICED BREAD AND THE LIKE
Eugene G. Kennebeck, Denver, Colo.
Application January 16, 1934, Serial No. 706,823
3 Claims. (Cl. 226—18)



1. A sacking device comprising a slab for the support of a series of articles to be sacked, a rotary shaft on the slab, a stop, normally beneath the surface of the slab and movable by rotation of the shaft for engagement with an end of the series, and a follower on the slab to engage the opposite end of the series.

2,031,265
REENFORCEMENT SUPPORTING CHAIR
Herman G. Keesling, Cuero, Tex.
Application January 16, 1933, Serial No. 652,040
1 Claim. (Cl. 94—3)

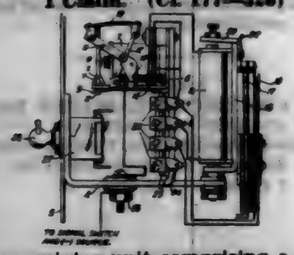
A supporting chair for reenforcing bars comprising a pointed ground-penetrating stake of channel shape in cross section from end to end and having a segmental recess in the upper end of its web portion forming a concaved seat to snugly receive the lower portion of the reenforcing bar, the flange of the chair at one side of said

recess having an elongated extension at its upper end adapted to be bent downwardly and inwardly



over the exposed upper portion of the reenforcing bar to secure the latter in said seat.

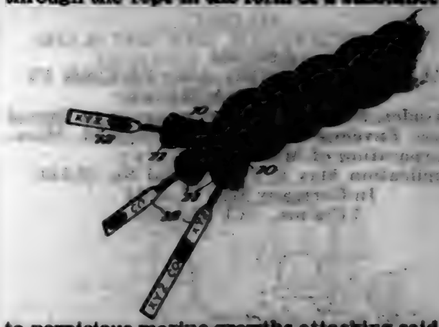
2,031,266
ANNUNCIATOR UNIT
Morris F. Ketay, Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 25, 1932, Serial No. 613,586
1 Claim. (Cl. 177—326)



An annunciator unit comprising a cover plate for mounting said unit on a frame with other similar units to form an annunciator panel of a complex annunciator system, a U-shaped mounting bracket having one bar thereof secured flat against the back of the cover plate and a bar projecting perpendicularly therefrom to the rear thereof and carrying a third bar parallel with the first bar, a plurality of U-shaped bus bars mounted on said last named bar of said bracket extending parallel with the panel and spaced rearwardly thereof, terminals for said bus bars, said bus bars projecting from said bracket to slidably contact similar bus bars of an adjacent unit upon insertion of the unit into position with said adjacent unit, and annunciator apparatus located between said panel and said bus bars of a width approaching substantially that of the panel whereby such apparatus remains forward of said slidably contacting bus bars during the insertion of a panel.

2,031,267
PRESERVATIVE MEANS FOR ROPES AND THE LIKE
Archie W. Keon, Auburn, N. Y., assignor to Columbian Rope Company, Auburn, N. Y., a corporation of New York
Application September 13, 1934, Serial No. 743,969
5 Claims. (Cl. 117—2)

1. A vegetable fiber rope, twine or like structure having incorporated therein at a point remote from the surface thereof a linear, non-metallic element containing a copper compound which when immersed in water will be diffused until exhausted by the action of the water through the rope in the form of a substance toxic

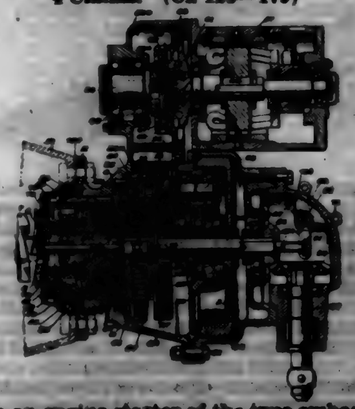


to pernicious marine growths attacking said rope, said element being embedded in the rope remote from the rope surface whereby the fibers at the surface of the rope are originally without stain by said compound.

2,031,268
MANUFACTURE OF NEW STABLE ANTIMONY COMPOUNDS
Walter Kaufmann, Basel, Switzerland, assignor to the firm of Chemical Works formerly Sandoz, Basel, Switzerland
No Drawing. Application June 26, 1931, Serial No. 547,175. In Germany July 8, 1930
6 Claims. (Cl. 260—11)

4. A polyvalent metal salt of antimonyl polyhydroxymonocarboxylic acid, which is soluble in water, but insoluble in methanol and which yields, when being treated with hydrogen sulphide, a precipitation of an antimony sulphide.

2,031,269
ENGINE STARTER
Raymond P. Lansing, Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y., a corporation of New York
Original application January 8, 1929, Serial No. 331,082. Divided and this application August 24, 1934, Serial No. 741,369
4 Claims. (Cl. 123—179)



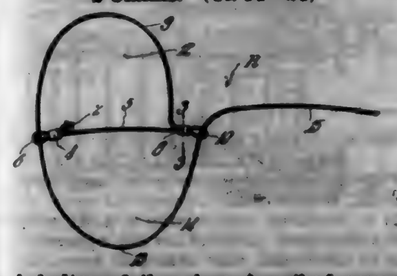
1. In an engine starter of the type embodying a high speed flywheel, a housing having a laterally projecting portion, a shaft rotatably mounted in said projecting portion, a motor secured to the projecting portion of the housing, means for drivably connecting the motor and shaft, and means for drivably connecting the flywheel with said shaft, said last named means including a set of gears all of which are disposed in a common plane parallel to and closely adjacent the end surfaces of both the motor and flywheel.

2,031,270
ANNEALING AND OTHER HEAT-TREATMENT FURNACES
Alfred Glynne Lobley, Erdington, Birmingham, England, assignor of one-half to Birmingham Electric Furnaces Limited, Birmingham, England, a British company
Application December 26, 1933, Serial No. 703,280
In Great Britain December 22, 1932
6 Claims. (Cl. 263—6)



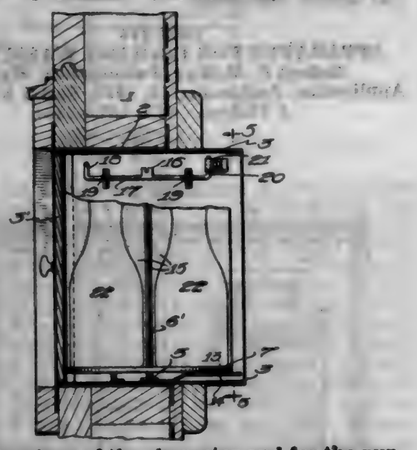
1. A heat treating furnace including a heating chamber, a recuperating chamber adjacent thereto, a pair of work-supporting conveyors extending through the recuperating chamber and spaced from the top and bottom walls of said chamber to provide zones above and below said work-supporting conveyors, means for driving the work-supporting conveyors in opposite directions to move one train of work through the recuperating chamber and into the heating chamber and the other train of work from the heating chamber through the recuperating chamber, and means in the recuperating chamber in one of said zones for forcibly extracting heat at one side of said recuperating chamber from the work leaving the heating chamber and for forcibly discharging the said heat at the opposite side of the recuperating chamber onto the work entering the heating chamber, the zone on that side of the work-supporting conveyors opposite that containing the extracting and discharging means being substantially devoid of obstructions to gas circulation from the discharging to the extracting means.

2,031,271
HALTER
August Lombella, Westfield, Mass.; John L. Lombella executor of said August Lombella, deceased
Application February 16, 1935, Serial No. 6,848
2 Claims. (Cl. 54—24)



1. A halter of the class described comprising in combination, a single length of rope having a knot on its one end doubled upon itself adjacent said end and at a distance from said end to provide first and second eye portions with a free end extending from said second eye portion, relatively elongated metal clasps frictionally embracing the doubled rope parts forming the eye portions and co-operating therewith to form constrictable eyes, the rope which extends between said eye portions providing a cross portion adapted for extending over the nose of an animal and the free end portion of the rope adjacent the second eye portion extending upwardly and downwardly through the first-named eye, and then downwardly and upwardly through the second-named eye, forming upper and lower loop portions for extending over the head and under the throat of an animal respectively, all constructed and arranged whereby the free end of the rope may be pulled so as to slide said rope through the clasps to vary the lengths of said cross and loop portions and whereby the pulling of the free end of the rope constricts said eyes and causes them to bite upon the portions of the rope passing therethrough.

2,031,272
MILK BOTTLE RECEPTACLE
George S. Loree, Hornell, N. Y., assignor to Francis J. Loree, Hornell, N. Y.
Application June 12, 1935, Serial No. 26,585
3 Claims. (Cl. 232—41)



1. A structure of the character and for the purpose described, comprising a casing or housing, a shaft rotatably mounted in said casing, a turn table or rotary member mounted on said shaft and adapted to receive articles for delivery, a series of division walls or plates carried by said turn table and providing compartments, a shaft mounted in the casing and having a bifurcated ear to engage the upper edge of said plates to retain the turn table, a flat spring plate in the lower portion of the casing to engage the underside of said turn table, and a spring detent mechanism to engage the edge of the turn table or rotary member and retain the rotary member against improper rotation.

2,031,273
DENTAL INSTRUMENT
Frederick F. Marschalk, Augusta, Ga.
Application November 5, 1934, Serial No. 751,628
3 Claims. (Cl. 32—60)

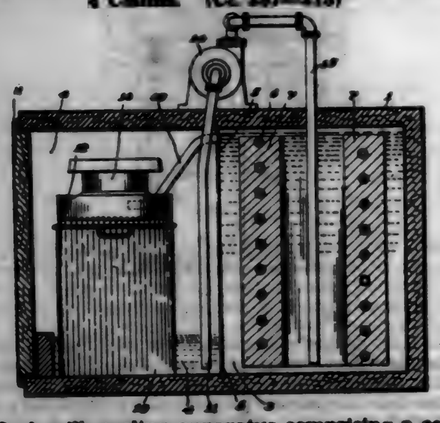
1. An instrument of the character described comprising a handle, an operating member longitudinally movable therein, said handle having a packing tip, a carriage slidable on said tip and connected to said operating member, said operating member being adapted to be extended to place said carriage along the extremity of said

tip so as to cause said carriage to define with said tip a filling material receptacle, said operating member being arranged to be retracted to



deposit the filling material into a cavity and retract said carriage from said tip so as to leave the tip free for operating upon the filling material within the cavity.

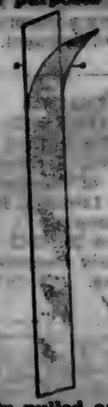
2,031,374
APPARATUS FOR COOLING WARM MILK
Robert C. McKay, Swampscott, Mass.
Application September 16, 1935, Serial No. 40,713
4 Claims. (Cl. 257—215)



2. A milk cooling apparatus comprising a cabinet having two compartments therein, means for maintaining one compartment substantially filled with water and a relatively small quantity of water in the second compartment, said second compartment being adapted to hold a milk container, means for cooling the water in the first compartment sufficiently to produce a cake of ice therein, means for causing the water to flow around said cake of ice and then into contact with the top and down the sides of a milk container placed in the second compartment, and means for returning the water to the ice compartment after it has passed over the milk container.

2,031,375
ADHESIVELY COATED SHEET MATERIAL
William W. McLaurin, deceased, late of Brookfield, Mass., by Old Colony Trust Company, executor, Boston, Mass.
Application May 10, 1933, Serial No. 670,269
5 Claims. (Cl. 154—43)

1. An article of the character described comprising a relatively heavy backing sheet of paper and a tissue sheet combined with said backing sheet by a union which holds them securely together for normal purposes but which permits



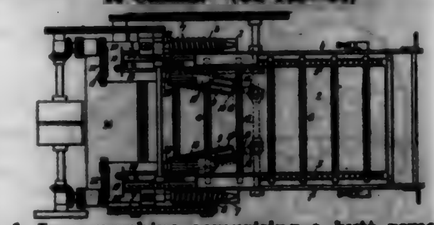
them to be readily pulled apart while they are in a dry condition, and a coating of adhesive on the outer face of said tissue sheet.

2,031,376
COMBINATION GRID AND COVER FOR ICE TRAYS
Hugo Mock, New York, N. Y.
Application October 30, 1931, Serial No. 572,013
1 Claim. (Cl. 62—102.5)



In a combination grid and cover for ice trays, a series of forms for ice cubes connected to each other, a common cover for such forms, and a series of intersecting air channels separating said forms from each other, the sides of said forms for ice cubes being perpendicular, and the edges of the cover extending beyond the edges of the tray in which said ice cubes are formed.

2,031,377
CORN HUSKING MACHINE
Samuel E. Morral and William W. Morral, Morral, Ohio
Application June 26, 1931, Serial No. 547,878
10 Claims. (Cl. 146—94)



1. In a machine comprising a butt removing device, a conveyor to move an ear of corn transversely to its length past said butt removing device, and a gaging device to properly locate the butt of the ear with relation to said butt removing device, a driven roller arranged beneath said conveyor to engage said ear as it is advanced by said conveyor and move the same toward said gaging device, said roller being mounted obliquely to the line of movement of said conveyor with its forward end spaced the greater distance from said gaging device, a supporting member pivotally mounted at one side of said conveyor, extending inward above said conveyor and having bearings at its inner end, shafts journaled in the respective bearings, one of said shafts being substantially parallel with said roller, means to operatively connect said shafts one to the other, a pressure roller carried by the last mentioned shaft, and means for driving the other shaft.

2,031,378
HOSE SUPPORT
Emile Sylvio Mousseau, Ottawa, Ontario, Canada, assignor to George B. Jenkinson, Prescott, Ontario, Canada
Application December 6, 1932, Serial No. 701,197. Renewed January 3, 1936. In Canada December 30, 1931
2 Claims. (Cl. 248—80)



2. In a hose support a curved standard, a clip adapted to embrace the hose, slidably mounted upon said standard, means integral with said support co-operating with said clip for firmly retaining the hose in mounted position upon the standard.

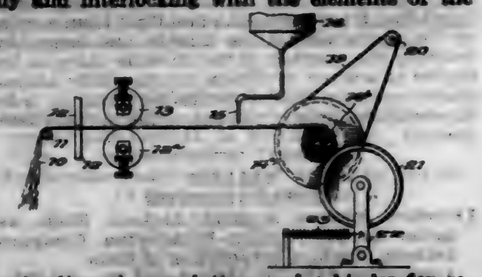
2,031,379
EXCAVATING MACHINE
William J. Newman, Chicago, Ill.
Application April 2, 1934, Serial No. 718,554
13 Claims. (Cl. 37—191)



1. The combination with a pair of chains, of a set of excavating elements comprising leading cutting members and trailing conveying members, each of said members having parallel sides secured to the respective chains, transverse outer portions and open at both ends, said conveying members being arranged sufficiently close to the cutting member and to each other to receive and convey the material excavated by the cutting member.

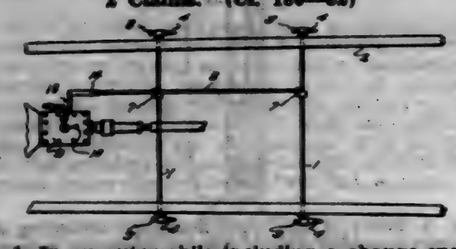
2,031,380
ABRASIVE SUPPORTING PAD AND METHOD OF MAKING THE SAME
Leslie D. Reed, Auburn, N. Y., assignor to Columbian Rope Company, Auburn, N. Y., a corporation of New York
Application May 21, 1934, Serial No. 726,048
9 Claims. (Cl. 51—195)

1. A disk-like body adapted to carry an abrasive material on one of its side surfaces and to flex when subjected to pressure against said surface, an annular portion of said body adjacent its periphery being formed of a group of substantially parallel fibrous elements laid in convolutions circumferentially of said disk, a portion of the elements of one convolution being offset radially and interlocking with the elements of the



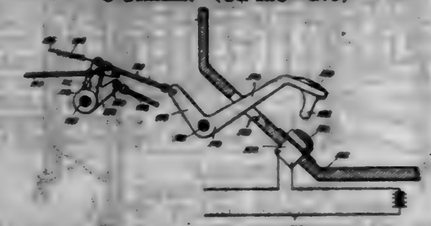
next adjacent convolution, and a binder for securing said fibrous elements together.

2,031,381
AUTOMOBILE DOOR LOCKING MECHANISM
James A. Roberts, Douglas, Ga.
Application February 25, 1935, Serial No. 8,174
2 Claims. (Cl. 180—82)



1. In an automobile including a change speed transmission and a shift lever for actuating said transmission, means for locking the doors of the automobile, said means including rocker shafts journaled transversely on the automobile, locking members mounted on the end portions of said shafts and operatively engageable with the doors, a rod operatively connected to the rocker shafts for actuating said rocker shafts in unison, a shaft journaled vertically in the transmission housing, an arm fixed on the second named shaft and operable in the transmission housing, said arm including a frame in which the gear shift lever is operable, said frame comprising a pocket for the reception of the lever when said lever is moved to high speed position, said pocket constituting means for operatively connecting the arm to the lever for actuation thereby, and an arm fixed on the second-named shaft and pivotally connected to the rod for actuating the rocker shafts.

2,031,382
FUEL FEEDING SYSTEM
Edward A. Rockwell, Chicago, Ill.
Application March 2, 1929, Serial No. 343,743
Renewed June 2, 1933
5 Claims. (Cl. 123—179)



1. In combination with an internal combustion engine having an intake manifold, a down-draft carbureter for delivering fuel downwardly into

said intake manifold, a throttle valve for controlling the mixture flow, means for draining excess liquid fuel from the intake manifold from a point on the engine side of the throttle and means for insuring the opening of the throttle valve as the engine is started to obtain substantially atmospheric pressure in the intake manifold in order to permit draining of the excess liquid fuel therefrom.

2,031,283
REFRIGERATOR

Theodore Johnson Scofield, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio

Application May 18, 1931, Serial No. 671,687
3 Claims. (Cl. 62—39)

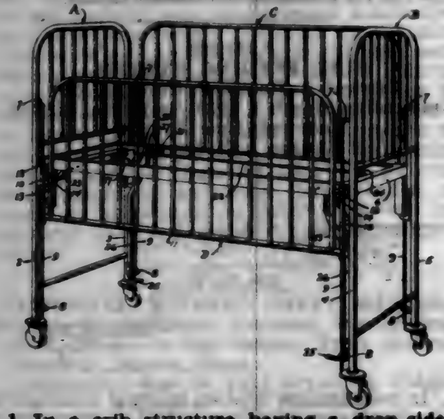


1. A device of the class described including a cabinet provided with a cooling chamber, a door for the chamber hingedly connected to the cabinet, said door having a recess in the inner face thereof, a liquid container having an inlet opening mounted in said recess, a faucet connected with the container whereby the contents of the container may be readily withdrawn when the door is in an open position, and means associated with said door for removably securing the container in the recess, a wall of said recess and said latter means forming a closure for said inlet opening.

2,031,284
ADJUSTABLE DROP-SIDE FOR CRIBS

Arthur M. Smith, Oakland, Calif., assignor to Premier Bed and Spring Company, Inc., San Francisco, Calif., a corporation of California

Application January 17, 1934, Serial No. 706,957
3 Claims. (Cl. 5—100)

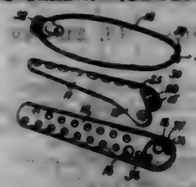


1. In a crib structure having a drop-side, a frame, said drop-side comprising a top rail and a bottom rail and end members connecting the same, a pair of latches slidably mounted on the frame and engageable with the bottom rail to support the drop-side in a fully elevated position, a pair of short rods, one at each end of the drop-side, intermediate the top and bottom rails and engageable with the latches to support the drop-side in a position intermediate fully elevated and fully lowered position, and means for withdrawing the latches to permit lowering of the drop-side whether the latches are in engagement with the short rods or the bottom rail.

2,031,285
HAIR CURLER

Nathan L. Solomon, Brooklyn, N. Y.

Application January 25, 1935, Serial No. 2,482
3 Claims. (Cl. 132—41)

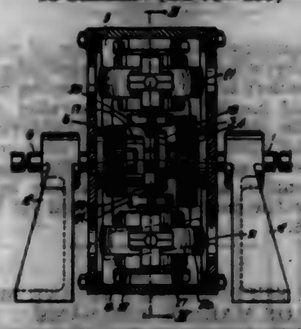


1. In a hair curler, the combination of, a tube, a clamping member having spaced hollow nipples rotatably sustained by said tube, a stay having means adapted to be removably interlocked with one end of said tube, said stay comprising a relatively narrow slot and including a relatively large channel in communication with said slot and a resilient loop adapted to be distended to permit passage of a portion thereof through said slot and retained by the latter in said channel, said tube having means for removably and swingably retaining another portion of said loop.

2,031,286
PLANET WHEEL GEARING

Joel Nicolaus Sigurd Alstam, and Hans Erwin Larsen, Amal, Sweden

Application April 16, 1935, Serial No. 16,708
In Sweden February 13, 1933
15 Claims. (Cl. 74—259)

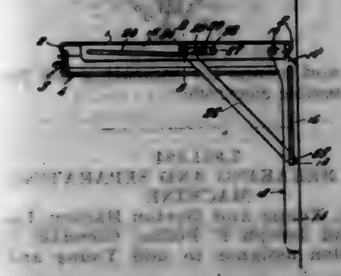


1. A planet wheel gearing comprising coaxial driving and driven shafts each carrying a sun wheel, planet wheel means for transmitting motion between said sun wheels and including a planet wheel carrier rotatable about the axis of said shafts, a gyroscope carried by said planet wheel carrier with the axis thereof at an angle to said shafts, said gyroscope being adapted to be rotated in accordance with the motion of said shafts, means actuated by one of said shafts and independent of said planet wheel means for rotating said gyroscope about its axis, means supporting said gyroscope for rotation about its axis, and means supporting said gyroscope for limited angular movement about a transverse axis arranged at an angle to the axes of the gyroscope and of said shafts.

2,031,287
WALL TABLE

Ralph W. Swanson, Mount Pleasant, Mich.

Application August 3, 1935, Serial No. 34,607
2 Claims. (Cl. 311—19)

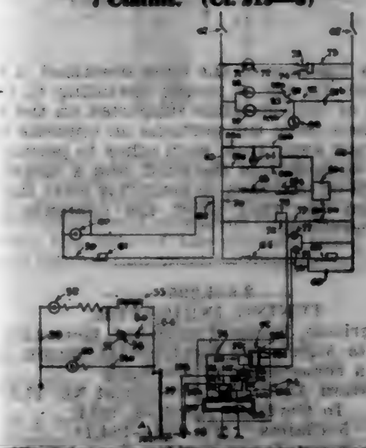


1. A table comprising a top, and brackets for mounting said top for swinging movement on a support, each bracket including a stationary bar mounted on the support and having a slot therein, a swinging bar pivotally mounted on the stationary bar and fixed beneath the top, said swinging bar having a slot therein and further having a pocket therein communicating with the second-named slot at one end, a brace for supporting the swinging bar in raised position, said brace including headed pins operable in the slots, one of said pins being engageable in the pocket, and a plate mounted for sliding and swinging movement on the swinging bar and engageable with said one pin for releasably locking same in the pocket.

2,031,288
ELECTRIC ARC WELDING APPARATUS

John P. Tripp, Montreal, Quebec, Canada

Application June 18, 1934, Serial No. 731,124
7 Claims. (Cl. 219—8)

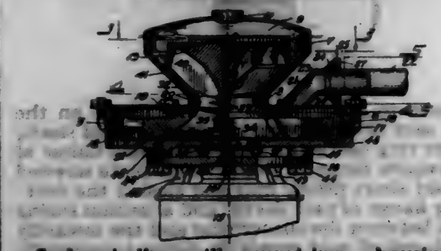


1. Electric arc welding apparatus comprising, in combination, an electrode feed mechanism for feeding the electrode to the work during the welding operation, an arc striking mechanism functioning to withdraw the electrode to an arc striking position following its initial contact with the work, a motor for operating said feed mechanism and means functioning automatically to deenergize said motor when the arc is not successfully established by the arc striking mechanism, said means including a photo-electric relay.

2,031,289
GRINDING MILL

Durbin Van Law, Denver, Colo., assignor, by mesne assignments, to Powderco Inc., Denver, Colo., a corporation of Colorado

Application January 18, 1932, Serial No. 587,485
14 Claims. (Cl. 83—11)

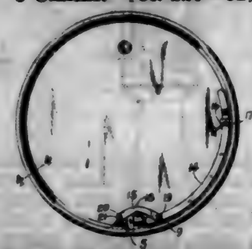


2. A grinding mill comprising a housing, and within the same a rotary body including a grinding-element having an inlet and a fan-element having an outlet, said body having an enclosed continuous passage therethrough connecting the inlet of the grinding-element with the outlet of the fan-element, for the passage of a product of the grinding-element from the inlet to the outlet under the influence of the fan-element.

2,031,290
OPEN HEAD DRUM

Harold Gar Vaughn, Warren, Ohio, assignor, by mesne assignments, to Wilson & Bennett Manufacturing Company, Chicago, Ill.

Application June 26, 1933, Serial No. 677,695
6 Claims. (Cl. 220—61)



1. The combination with a metallic receptacle having a bead rolled about its open end, and a removable cover for said receptacle having a marginal flange fitting over the said bead, of a split contractible channeled clamping ring having walls engageable with the flange and bead for pressing the same together when the ring is contracted, inwardly extending lugs adjacent the ends of said ring, a lever for contracting said ring pivoted to one of said lugs, the other of said lugs having a notch therein, a link pivoted to the lever and carrying a pin at its other end for engagement with said notch, and means carried by said link which engages with the adjacent surface of the side wall of the cover for exerting a lateral pressure outwardly against the side wall of the cover when the ring is contracted.

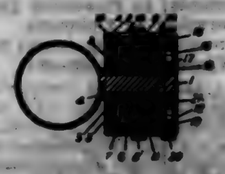
2,031,291
SCORING DEVICE

Eric W. Wahlin, Magna, Utah

Application February 28, 1932, Serial No. 595,257
1 Claim. (Cl. 235—117)

In a scoring device the combination of a center shaft; a fixed cylinder having one end closed and

screwed onto said shaft and having a sight opening through said cylinder; a rotatable sleeve carried nested in said cylinder having numbers formed in the outer face thereof to be viewed through the sight openings and having the abutting end of said sleeve flanged inwardly abutting the closed end of said fixed cylinder and with the outer end flanged outwardly and then parallel to



the sleeve to form an overlapping flange on the end of said sleeve; spacers carried on said shaft; a spacer ring carried in the overlapping flange of the rotatable sleeve; a fixed closure plate screwed onto said shaft fitting into and closing the overlapping flange of said sleeve; and a tension spring carried between the spacer ring and the inwardly flanged end of said rotatable sleeve to normally hold the sleeve from rotation.

2,031,202
LEAD PENCIL POINTER
Herbert H. Walters, Syracuse, N. Y.
Application October 17, 1935, Serial No. 45,372
4 Claims. (Cl. 120—39)



1. In a lead pencil pointer, an oblong body having a plane top lying between a hand-grip and a downwardly facing quarter-bend, a roll of abrading tape disposed in the bight of the bend, its loose end adapted to be unwound and extended around the bend and over said top, the latter constituting the pencil abrading surface, a clip to engage and guard said loose end, a forked spring member rigid to the bottom of the body to rotatably support the roll in frictional engagement with the concave surface of the bend, the tension of the arms of said member acting as a brake to prevent recoil of the roll.

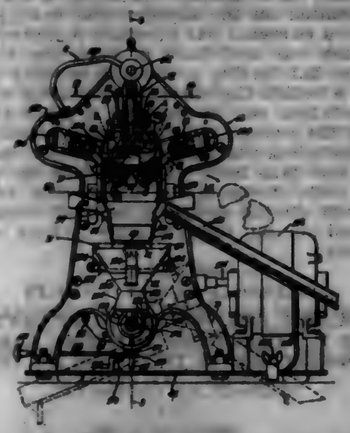
2,031,253
IGNITION DEVICE
Eugene C. Wamelink, Cleveland Heights, Ohio
Application February 13, 1935, Serial No. 7,881
5 Claims. (Cl. 123—169)

1. A sparking device for internal combustion engines comprising a vertical electrode, means for insulating the vertical electrode from the ground connection, a conical contact element secured to the lower end of the vertical electrode, an adjustable electrode presented at an oblique angle to the conical gapping surface of the vertical



electrode, and means for indicating the position of the adjustable electrode.

2,031,294
EGG BREAKING AND SEPARATING MACHINE
William G. Young and Morton Hansen, Los Angeles, and Joseph F. Pellen, Glendale, Calif.; said Pellen assignor to said Young and said Hansen
Application May 2, 1930, Serial No. 449,240
32 Claims. (Cl. 146—2)

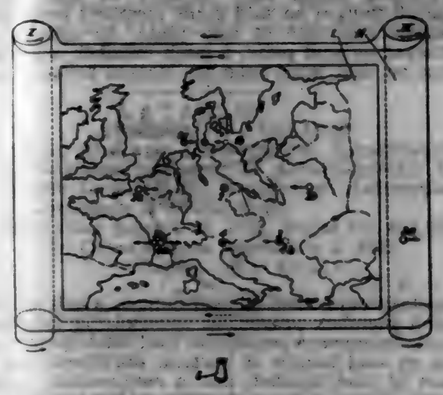


1. In a machine of the class described, a rack to support an egg, a means operating to crack the shell of the egg while supported on the rack and to then force the portions on opposite sides of the crack away from each other to permit the contents to flow from the shell, and a means independent of said rack to positively eject the egg shell from the rack after the contents have flowed therefrom.

2,031,295
TUNING INDICATOR
Alfred Agricola, Berlin-Tempelhof, Germany, assignor to Allgemeine Elektricitäts, Berlin, Germany, a corporation of Germany
Application April 25, 1935, Serial No. 17,633
In Germany April 18, 1934
5 Claims. (Cl. 116—124.1)

1. In a device for indicating the position of a tuning means the combination of a movable member connected to said tuning means and provided with a plurality of apertures, a stationary member provided with a plurality of apertures and a source of illumination behind said movable member, at least one of the apertures of

said stationary member being in alignment with two apertures of said movable member when



said tuning means is adjusted to a desired frequency.

2,031,296
DISCONNECT PLUG AND RECEPTACLE
Alfred Almaker, Chicago, and Fred H. Cole, Oak Park, Ill., assignors to The Delta-Star Electric Company, Chicago, Ill., a corporation of Illinois
Application July 19, 1933, Serial No. 681,188
17 Claims. (Cl. 173—332)



1. A contact including a circular support defining a groove with said contact adjacent the edge of said support, and contact wires inserted into said groove and extending therefrom to define a socket, the edge of the support being swaged towards the contact wires to hold them in place.

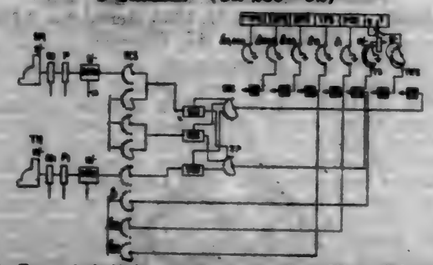
2,031,297
WINDSHIELD WIPER
John W. Anderson, Gary, Ind.
Application June 5, 1931, Serial No. 542,210
8 Claims. (Cl. 15—252)

1. In a wiper of the character described, the combination of a cup having an inner and an outer surface, the inner surface having a form providing a suction cavity, and the outer surface having a form providing a yielding rib; a stud having one end embedded in the wall of the cup, and a shank portion projecting beyond the rib; a washer fitted on the shank and abutting against the rib; a wiper arm having a loop pivotally mounted on the shank of the stud and abutting against the washer; a second washer fitted on the



stud and abutting against the loop of the wiper arm; and a wiper blade connected to the arm.

2,031,286
ELECTRIC TOTALIZATOR
Francis Tulloch Belas and John William McClew, Liverpool, England, assignors to Automatic Electric Company Limited, a British company
Application October 17, 1930, Serial No. 489,268
In Great Britain November 12, 1929
6 Claims. (Cl. 235—92)

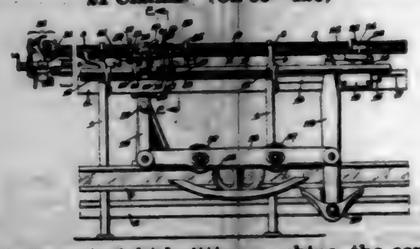


1. In a totalizing system, a plurality of transmitting stations, each having means for transmitting signals, a register, a rotating collecting switch having a motor magnet and a plurality of wipers, means interacting with said magnet to rotate said wipers to simultaneously collect a plurality of signals, one over each wiper, transmitted from said stations, means for transmitting collected signals to said register, and means effective during the transmission of collected signals to said register and the registration of all signals simultaneously collected to prevent said interaction of said magnet and means to thereby hold said switch until all collected signals have been registered.

2,031,298
TREATING COPPER ANODE MUD
James O. Betterton and George H. Wels, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 21, 1934, Serial No. 707,117
8 Claims. (Cl. 75—18)

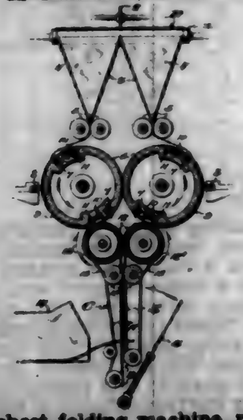
1. The method of treating anode mud produced in the electrolytic refining of copper which comprises agitating said mud in previously untreated condition with copper refining electrolyte in the presence of air and a small quantity of iron sulphate.

2,031,200
KNITTING MACHINE THREAD CARRIER ACTUATING MEANS
Gottlob Bitzer, West Reading, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application February 7, 1934, Serial No. 710,126
21 Claims. (Cl. 66—126)



16. In a straight knitting machine, the combination of a reciprocable thread bar, an actuator, a friction box reciprocable by said actuator, means operating between the thread bar and the friction box to first provide lost motion between the thread bar and the friction box and then cause the box to directly drive the bar, and mechanism for holding the friction box and releasing it after a predetermined movement of the actuator to take up said lost motion and actuate the thread bar through said means.

2,031,201
SHEET-FOLDING MACHINE
Peter J. Christmann, Green Bay, Wis.
Application January 21, 1935, Serial No. 2,729
12 Claims. (Cl. 270—66)



1. In a sheet-folding machine, means for slitting a web of paper longitudinally to provide separate webs, a pair of transversely alined forming plates for longitudinally folding said webs, a pair of pull rolls positioned below each forming plate, carrier cylinders for receiving the longitudinally folded webs from said pull rolls, means for transversely severing the folded webs on the carrier cylinders into sheets, and a folding roll for removing sheets from each carrier cylinder, said folding rolls cooperating with each other to simultaneously crease the folded sheets transversely.

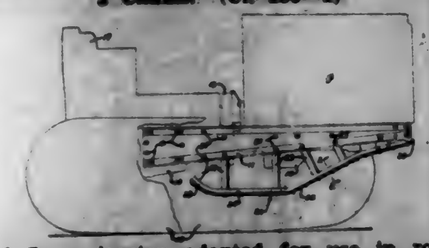
2,031,202
LATCH
Wycliffe L. Clark, Jamestown, N. Y.
Application May 17, 1934, Serial No. 726,026
2 Claims. (Cl. 292—304)

1. A fastening device having a supporting plate, walls defining a central opening in said plate, a guide member, shoulders locating said guide member in said opening, lugs adjacent said shoulders fixing said member to said plate, spaced flanges on said guide members projecting beyond one face of said plate, an upstanding bracket on said plate, a latch member, a projection on said latch member located between and



pivotally supported by said flanges, a bolt on said latch member projecting downwardly into said guide member, a handle on said latch member, a lug on said handle in vertical alignment with a part of said bracket, and a compression spring connecting said bracket with said lug and serving to normally urge a portion of said bolt beyond the confines of said guide member.

2,031,203
TRACTOR
Harmon S. Eberhard, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application February 7, 1934, Serial No. 710,154
3 Claims. (Cl. 180—1)



1. In a tractor adapted for use in rough country to travel over obstructions such as stumps, rocks, and the like, a guard under said tractor and having an upwardly slanting rear end to provide deflecting means for allowing the tractor to be backed off of an obstruction.

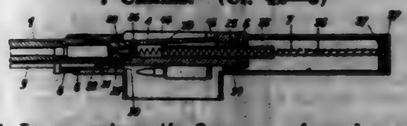
2,031,204
ILLUMINATED FOLDING TABLE
Arthur Louis Eller, Olathe, Kans., assignor to Ruth Eller Latkins, Olathe, Kans.
Application June 16, 1933, Serial No. 675,374
4 Claims. (Cl. 211—163)



1. A folding table of the character described comprising a top; legs swingably mounted on the top; a shelf hingedly attached to the table top adjacent to each leg respectively; and a lighting

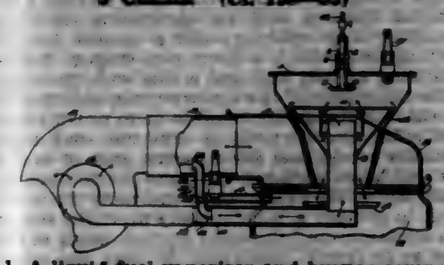
fixture having a universal joint affixed to each of the said shelves, said fixtures adapted to overhang one side of the said top when the supporting shelf is in the operative position and to lie against the other side of the top when the shelf is in the inoperative position.

2,031,205
AUTOMATIC FIREARM
Gotthard Enel and Jakob Clarini, Schaffhausen, Switzerland, assignors to Schweizerische Industrie-Gesellschaft, Neuhausen, Switzerland, a corporation of Switzerland
Application August 23, 1933, Serial No. 687,218
In Great Britain September 3, 1932
7 Claims. (Cl. 42—3)



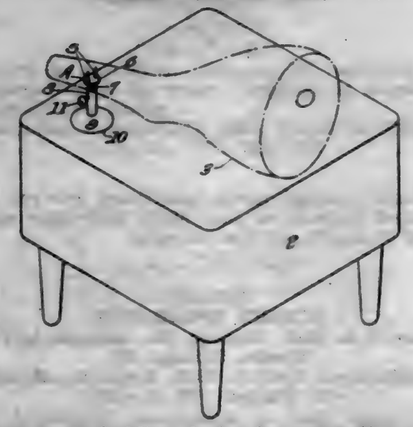
1. In an automatic firearm, a barrel, a magazine at the rear end of the barrel, a breech mechanism including a breech block and a longitudinally movable post carrying said breech block to move it into and from breech closing position, said breech block being also independently movable relatively to said post to a limited extent; a gas cylinder on the barrel and in communication with the bore thereof to receive gas from the fore part of the barrel, a piston movable in said cylinder, a piston rod extending parallel to the barrel and connected with one end to said piston, the other end being free and being adapted to engage the forward end of said post which post is adapted to close and open said magazine, means independent of said post to return said piston to its initial position after having actuated said post, said piston and piston rod being arranged to impart such momentum to the post as to cause it to move the breech block rearwardly into open position and to uncover the magazine so that the next cartridge may be moved into a position for feeding it into the barrel.

2,031,206
LIQUID FUEL VAPORIZER AND BURNER
Charles A. French, Riverside, Ill.
Application June 15, 1933, Serial No. 675,934
5 Claims. (Cl. 158—83)



1. A liquid fuel vaporizer and burner comprising a vaporizing chamber, means to distribute liquid therein, a burner grating, means for delivering hot burned gases from the flame side of the grating to the vaporizing chamber, gas and air mixing and moving means, means for delivering gases from the vaporization chamber to said means, means for conducting gases from the mixing and moving means to the burner grating, igniting means for the burner grating consisting of a conduit positioned to receive gases from the means for delivering gases from the vaporizing chamber to the mixing and moving means and to deliver said gases to the flame side of the grating, a conduit positioned to receive gases from the means for conducting gases to the burner grating and extending into the first named conduit, and an igniting device positioned in said first named conduit.

2,031,207
MEAT HOLDER
John Edward Gloekler, Pittsburgh, Pa.
Application July 24, 1934, Serial No. 736,645
1 Claim. (Cl. 146—216)



In a meat holding device for supporting meat at various heights and at different locations on the surface of a wooden block, the combination of a hollow circular base having a continuously annular bearing portion terminating in a uniformly level comparatively blunt knife edge, a tubular standard secured in the middle top portion of the base and extending upwardly therefrom, a cylindrical stem vertically and rotatably mounted in the tubular standard having at its upper end a disk provided with a double tined comparatively blunt fork, and a thumb screw mounted in the tubular standard adapted to fixedly engage the stem.

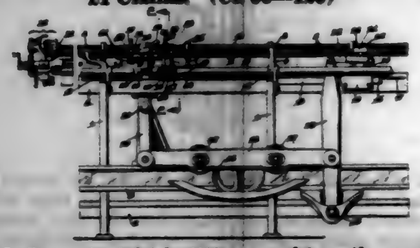
2,031,208
BED MATERIAL FOR FLOWER BULBS
John J. Grailemann, Painesville, Ohio, assignor to The Wayside Gardens Company, Mentor, Ohio, a corporation of Ohio
No Drawing. Application December 30, 1933, Serial No. 704,755
3 Claims. (Cl. 71—8)

2. A material adapted for use as a bed material for stimulated growth of bulbous flowering plants, the material consisting of an intimate mixture of a quantity of finely divided peat, and relatively small quantities of ground calcium carbonate and powdered or granulated charcoal.

2,031,209
VALVE
Otto W. Hahn, San Francisco, Calif.
Application November 27, 1933, Serial No. 699,911
16 Claims. (Cl. 251—24)

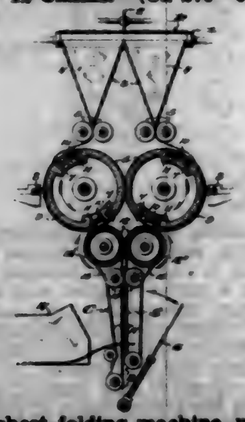
1. A valve provided with a faced surface pierced by spaced ports, a faced block movably positioned adjacent said faced surface provided with a cross port arranged to be aligned over said spaced ports when the block is moved, means

2,031,309
KNITTING MACHINE THREAD CARRIER ACTUATING MEANS
Gottlieb Bitzer, West Reading, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application February 7, 1934, Serial No. 710,126
21 Claims. (Cl. 66—126)



16. In a straight knitting machine, the combination of a reciprocable thread bar, an actuator, a friction box reciprocable by said actuator, means operating between the thread bar and the friction box to first provide lost motion between the thread bar and the friction box and then cause the box to directly drive the bar, and mechanism for holding the friction box and releasing it after a predetermined movement of the actuator to take up said lost motion and actuate the thread bar through said means.

2,031,361
SHEET-FOLDING MACHINE
Peter J. Christmann, Green Bay, Wis.
Application January 21, 1935, Serial No. 2,729
12 Claims. (Cl. 270—66)



1. In a sheet-folding machine, means for slitting a web of paper longitudinally to provide separate webs, a pair of transversely alined forming plates for longitudinally folding said webs, a pair of pull rolls positioned below each forming plate, carrier cylinders for receiving the longitudinally folded webs from said pull rolls, means for transversely severing the folded webs on the carrier cylinders into sheets, and a folding roll for removing sheets from each carrier cylinder, said folding rolls cooperating with each other to simultaneously crease the folded sheets transversely.

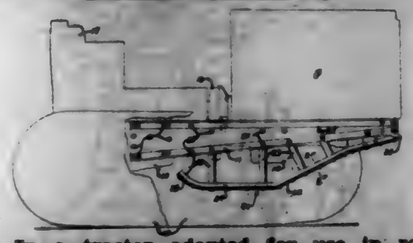
2,031,362
LATCH
Wyellis L. Clark, Jamestown, N. Y.
Application May 17, 1934, Serial No. 726,626
1 Claim. (Cl. 292—344)

1. A fastening device having a supporting plate, walls defining a central opening in said plate, a guide member, shoulders locating said guide member in said opening, lugs adjacent said shoulders fixing said member to said plate, spaced flanges on said guide members projecting beyond one face of said plate, an upstanding bracket on said plate, a latch member, a projection on said latch member located between and



pivotally supported by said flanges, a bolt on said latch member projecting downwardly into said guide member, a handle on said latch member, a lug on said handle in vertical alignment with a part of said bracket, and a compression spring connecting said bracket with said lug and serving to normally urge a portion of said bolt beyond the confines of said guide member.

2,031,363
TRACTOR
Harmon S. Eberhard, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application February 7, 1934, Serial No. 710,154
2 Claims. (Cl. 146—1)



1. In a tractor adapted for use in rough country to travel over obstructions such as stumps, rocks, and the like, a guard under said tractor and having an upwardly slanting rear end to provide deflecting means for allowing the tractor to be backed off of an obstruction.

2,031,364
ILLUMINATED FOLDING TABLE
Arthur Louis Eller, Olathe, Kans., assignor to Ruth Eller Latkins, Olathe, Kans.
Application June 10, 1932, Serial No. 616,374
4 Claims. (Cl. 211—103)



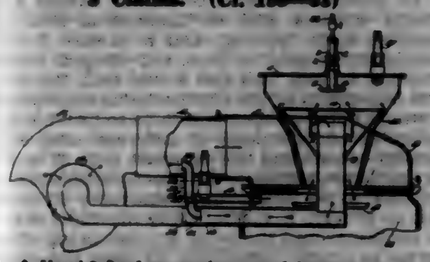
1. A folding table of the character described comprising a top; legs swingably mounted on the top; a shelf hingedly attached to the table top adjacent to each leg respectively; and a lighting fixture having a universal joint affixed to each of the said shelves, said fixtures adapted to overhang one side of the said top when the supporting shelf is in the operative position and to lie against the other side of the top when the shelf is in the inoperative position.

2,031,381
AUTOMATIC FIREARM
Gotthard End and Jakob Gactal, Schaffhausen, Switzerland, assignors to Schweizerische Industrie-Gesellschaft, Neuhausen, Switzerland, a corporation of Switzerland
Application August 28, 1933, Serial No. 687,318
In Great Britain September 2, 1932
7 Claims. (Cl. 42—3)



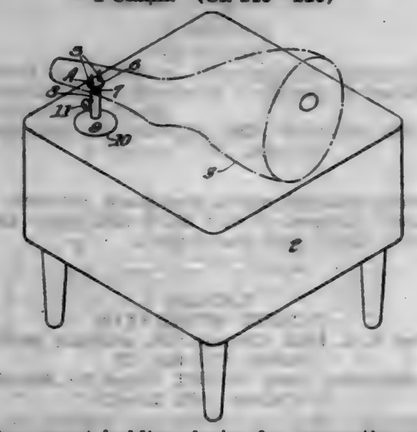
1. In an automatic firearm, a barrel, a magazine at the rear end of the barrel, a breech mechanism including a breech block and a longitudinally movable post carrying said breech block to move it into and from breech closing position, said breech block being also independently movable relatively to said post to a limited extent; a gas cylinder on the barrel and in communication with the bore thereof to receive gas from the fore part of the barrel, a piston movable in said cylinder, a piston rod extending parallel to the barrel and connected with one end to said piston, the other end being free and being adapted to engage the forward end of said post which post is adapted to close and open said magazine, means independent of said post to return said piston to its initial position after having actuated said post, said piston and piston rod being arranged to impart such momentum to the post as to cause it to move the breech block rearwardly into open position and to uncover the magazine so that the next cartridge may be moved into a position for feeding it into the barrel.

2,031,396
LIQUID FUEL VAPORIZER AND BURNER
Charles A. French, Riverside, Ill.
Application June 15, 1933, Serial No. 675,934
5 Claims. (Cl. 158—53)



1. A liquid fuel vaporizer and burner comprising a vaporizing chamber, means to distribute liquid therein, a burner grating, means for delivering hot burned gases from the flame side of the grating to the vaporizing chamber, gas and air mixing and moving means, means for delivering gases from the vaporization chamber to said means, means for conducting gases from the mixing and moving means to the burner grating, igniting means for the burner grating consisting of a conduit positioned to receive gases from the means for delivering gases from the vaporizing chamber to the mixing and moving means and to deliver said gases to the flame side of the grating, a conduit positioned to receive gases from the means for conducting gases to the burner grating and extending into the first named conduit, and an igniting device positioned in said first named conduit.

2,031,397
MEAT HOLDER
John Edward Gloekler, Pittsburgh, Pa.
Application July 24, 1934, Serial No. 736,645
1 Claim. (Cl. 146—216)



In a meat holding device for supporting meat at various heights and at different locations on the surface of a wooden block, the combination of a hollow circular base having a continuously annular bearing portion terminating in a uniformly level comparatively blunt knife edge, a tubular standard secured in the middle top portion of the base and extending upwardly therefrom, a cylindrical stem vertically and rotatably mounted in the tubular standard having at its upper end a disk provided with a double tined comparatively blunt fork, and a thumb screw mounted in the tubular standard adapted to fixedly engage the stem.

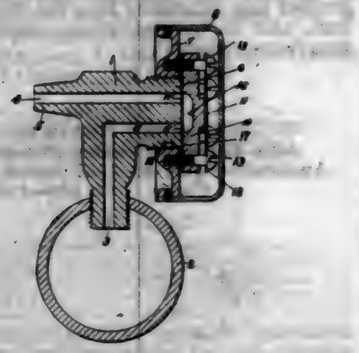
2,031,398
BED MATERIAL FOR FLOWER BULBS
John J. Grullemans, Painesville, Ohio, assignor to The Wayside Gardens Company, Mentor, Ohio, a corporation of Ohio
No Drawing. Application December 30, 1933, Serial No. 704,755
3 Claims. (Cl. 71—9)

2. A material adapted for use as a bed material for stimulated growth of bulbous flowering plants, the material consisting of an intimate mixture of a quantity of finely divided peat, and relatively small quantities of ground calcium carbonate and powdered or granulated charcoal.

2,031,399
VALVE
Otto W. Hahn, San Francisco, Calif.
Application November 27, 1933, Serial No. 699,911
16 Claims. (Cl. 251—24)

1. A valve provided with a faced surface pierced by spaced ports, a faced block movably positioned adjacent said faced surface provided with a cross port arranged to be aligned over said spaced ports when the block is moved, means

for resiliently urging the block in the direction of said faced surface, and a thin flat flexible plate



of hard resilient metal positioned between the finished surfaces of said block and valve apertured to match said spaced ports.

2,031,310
FLIGHT APPARATUS
James E. L. Hall, Chicago, Ill., assignor to Cecil Martin, Chicago, Ill.
Application April 18, 1932, Serial No. 605,609
17 Claims. (Cl. 35—12)



1. The combination of a rotatory structure, positioned in a horizontal plane for rotation upon a central axis, an arm pivoted between its ends to the peripheral portion of said structure, an occupant carrier connected to the outer end of said arm, a partial counterweight connected to the inner end of said arm, and means on said structure engaging the inner end of said arm to prevent lateral displacement of said arm with respect to said structure, said arm being pivoted to swing to carry the outer end thereof above the horizontal plane of said structure whereby to permit the occupant carrier to rise higher than it could under centrifugal force due to the rotation of said structure.

2,031,311
CLUTCH
William W. Harris, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application February 9, 1931, Serial No. 514,435
34 Claims. (Cl. 192—68)

1. In a clutch, driving means, driven means, a clutch element secured to the driven means and engageable with the driving means, a pressure plate driven with the driving means and movable axially of the driven means for engagement with the clutch element, and a yielding device anchored to and driven with the driving means and yieldingly effecting clutching engagement of the pressure plate and clutch element, and means engaging said yielding device



for moving same to de-clutch said pressure plate and clutch element.

2,031,312
CONTAINER AND CLOSURE THEREFOR
William Herrick, Jr., Racine, Wis.
Application November 17, 1932, Serial No. 642,597
1 Claim. (Cl. 220—43)



The combination of a container having a dispensing opening and an upstanding neck surrounding such opening, and a closure for said opening comprising a deep, cup-shaped member including an end wall and a side wall, the transverse dimension of the closure being enlarged adjacent its outer or open end so as to provide inner and outer end portions of different sizes and a shoulder connecting the adjacent ends of said inner and outer portions, the inner portion being of such size as to tightly but removably fit in said neck to provide a substantially air-tight seal for the container and the outer portion being of such size as to freely, removably fit over the outside of said neck; said shoulder being of relatively narrow width so that the said wall portion of the cover constituting said enlarged portion is not materially offset laterally from alignment with said upstanding neck when said inner portion is seated in said neck, the depth of said outer portion being greater than the width of said shoulder, whereby the cover is adapted to withstand permanent deformation sufficient to impair its usefulness as a freely removable cover, by prying forces applied to said shoulder to remove the cover from said tightly fitting position.

2,031,313
TUBE BASE AND SOCKET
Alexandre Horowitz and Jean Vissman, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware
Application February 28, 1935, Serial No. 8,786
In Austria March 1, 1934
4 Claims. (Cl. 249—27.5)



2. In a base for tubes; a hollow cylindrical shaped body of insulating material; closure means for one end of said body; elongated contact members secured to the outer surface of said closure means, the securing means comprising a hollow lug portion of said contact members extending through said closure means, said contact members being arranged to protrude radially outward from the edge of said closure means, and means for electrically and mechanically connecting said members to lead wires through the opening in said lug comprising grooves in said members intersecting the outer ends of the lug openings.

2,031,314
DRAFT HOOD
Louis N. Hunter, Johnstown, Pa., assignor to National Radiator Corporation, Johnstown, Pa., a corporation of Maryland
Application April 17, 1933, Serial No. 666,566
2 Claims. (Cl. 126—307)



1. A draft hood comprising a collector unit having a flue connection at the top thereof, an opening to atmosphere around its effective lower edge, said collector being of downwardly increasing diameter, means below the effective lower edge of the collector for discharging gases of combustion into the collector, and a back draft baffle over said last means having a diameter less than the diameter of said means and having its upper edge in a plane below the lowermost edge of said collector.

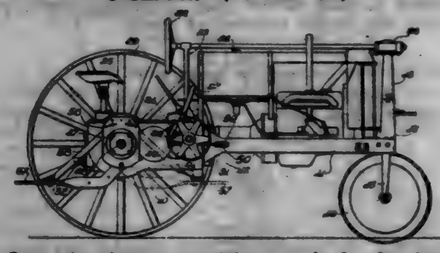
2,031,315
COPPER BASE ALLOY
Herbert C. Jennison, Bridgeport, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Application August 5, 1933, Serial No. 683,907
3 Claims. (Cl. 75—1)

1. A copper base alloy composed of from 0.1% to 1.5% silicon, from 2.0% to 6.0% nickel, from 0.5% to 6.5% aluminum, from 0.1% to 3.0% iron, and balance copper.

2,031,316
COPPER BASE ALLOY
Herbert C. Jennison, Bridgeport, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Original application August 5, 1933, Serial No. 683,907. Divided and this application July 30, 1935, Serial No. 33,831
3 Claims. (Cl. 75—1)

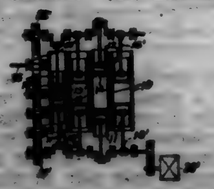
1. A copper base alloy composed of from 0.1% to 1.5% silicon, from 2.0% to 6.0% nickel, from 0.5% to 6.5% aluminum, from 0.1% to 3.0% iron, from 0.1% to 1.5% tin, and balance copper.

2,031,317
TRACTOR
Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application February 23, 1933, Serial No. 658,121
5 Claims. (Cl. 180—18)



2. A tractor comprising a body having a casing at the rear thereof, side sills secured to and extending forwardly from the casing, differentially driven axle shafts and means for applying a brake to each shaft mounted within the casing, a dirigible truck supporting the forward ends of said sills, means on the tractor for steering the truck, a brake link connected to each brake applying means and extending forwardly along the inner side of each side sill, an inwardly extending bracket arm secured to the inner side of each sill near the forward end thereof, a lever pivoted between its ends on each bracket arm to swing in a horizontal plane, a coil spring on the forward end of each link connected to one end of each lever, and vertical abutments on the truck positioned to engage the other ends of the levers alternately after a predetermined steering movement of the truck in each direction to brake the differential shaft on the side towards which the tractor is steered.

2,031,318
ENGINE
Hugo Junkers, Dessau, Germany, assignor to firm: Junkers-Motorenbau G. m. b. H., Dessau, Germany
Application November 9, 1929, Serial No. 406,890
In Germany November 24, 1923
4 Claims. (Cl. 123—51)



1. In a twin-shaft, two-cycle, internal combustion engine, a plurality of juxtaposed cylinders having intake and exhaust ports, a pair of crank-

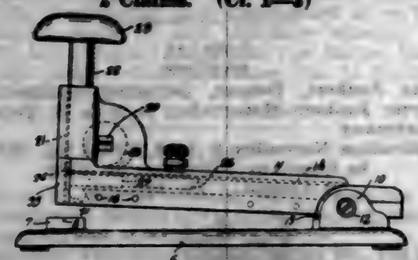
shafts one mounted at each end of said cylinders rotating at the same speed, a pair of pistons mounted to reciprocate in each of said cylinders in opposite directions and operatively connected by means of cranks and crank arms to transmit power to said crank-shafts, one of said pistons being adapted to control said intake ports and the other being adapted to control said exhaust ports, means including leading and lagging cranks producing an unequal distribution of power to said crank-shafts, said leading cranks being connected to the crank-shaft receiving the major amount of power, a driven part coupled to both crank-shafts, and means for synchronizing the operation of said crank-shafts and for transmitting power from the crank-shaft receiving the minor amount of power to said driven part, said synchronizing means being of such weight and strength as to be adapted to transmit less than half of the total power delivered to said driven part, the crank-shaft receiving the major amount of power being more closely coupled to said driven part than said shaft receiving the minor amount of power.

2,031,319
BELT DRIVE
Jacob Kenner Kahn, Chicago, Ill.
Application May 3, 1935, Serial No. 19,543
6 Claims. (Cl. 74—230.5)



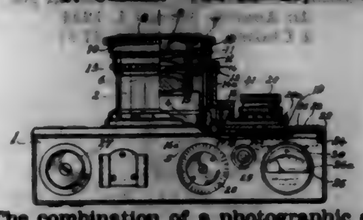
1. In a belt drive of the character described comprising in combination, a V-belt, a pulley having a V-groove for the belt, means for tensioning the belt, and means incorporated in the pulley acting in response to tensioning and slackening the belt to shift the belt into and out of tractive engagement with the side walls of the pulley groove.

2,031,320
STAPLE DRIVING MACHINE
Charles F. Koch, Jr., Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Connecticut
Application June 1, 1931, Serial No. 541,192
2 Claims. (Cl. 1—3)



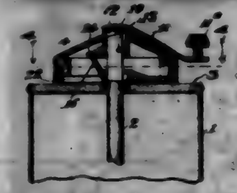
1. In a staple driving machine, a housing having a raceway, a plunger movable in the raceway to drive a staple therein, a guide bar for guiding staples to the raceway, and an inverted V-shaped lug on the opposite sides of the bar providing knife edges at the rear side of the raceway to cooperate with the plunger to cut off the prongs of the staple in the raceway should they extend backward from the raceway.

2,031,321
PHOTOGRAPHIC CAMERA
Heinz Kippenhender, Dresden, Germany
Application November 15, 1934, Serial No. 753,604
In Germany December 21, 1933
17 Claims. (Cl. 95—10)



1. The combination of a photographic camera with a photoelectric exposure meter, including an exchangeable lens system, means for adjusting the opening of said lens system, a shutter, means for adjusting the speed of said shutter, a photoelectric cell, a circuit therefor, a resistance on said exchangeable lens system, and means for connecting said resistance in said circuit, said adjusting means for the lens opening and shutter speed respectively being adapted to effect a variation of said resistance, whereby the reading of said photoelectric exposure meter is changed.

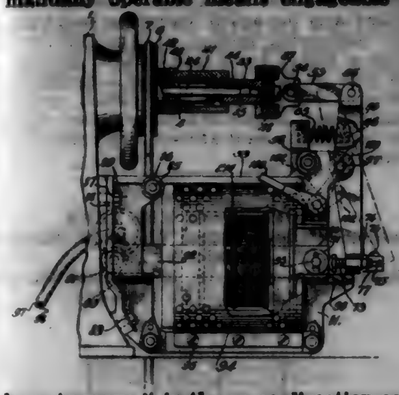
2,031,322
SELF-LOCKING MOTOR CONTROL
Herald D. R. Lane, Derby, Va., assignor, by direct and mesne assignments, of one-third to Harvey W. Culbertson, one-third to Kenneth M. Lane, and one-third to Will H. Nichols, all of Gate City, Va.
Application February 11, 1935, Serial No. 6,389
6 Claims. (Cl. 74—545)



1. In a device of the class described, the combination with a control box, of a housing on top of said control box, a shaft extending into said housing, a latch in said housing and loosely mounted on said shaft, said housing provided in its side only with means for receiving part of said latch in a locked position or in an unlocked position, and a handle pivotally mounted on said shaft and engaging said latch for operating the same.

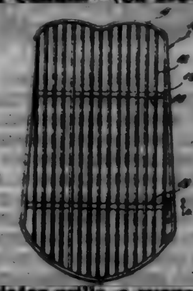
2,031,323
FEED REVERSING MECHANISM FOR SEWING MACHINES
Stephen Lamtocny, Bergenfield, N. J., assignor to Freydberg Bros. Inc., New York, N. Y., a corporation of New York
Application December 27, 1934, Serial No. 759,480
2 Claims. (Cl. 112—216)

1. Apparatus for quickly reversing the feed mechanism of a sewing machine while the machine is operating comprising a member operatively associated with said mechanism, a lever to move said member, means normally urging said lever in one direction and adapted to maintain said lever and member in a predetermined position establishing operation of said feed mechanism in predetermined direction, an electro-magnet, a core movable by said magnet against said lever to shift the position of said lever and member and reverse the direction of movement of the feed mechanism, and manually operable means engageable with



said lever to move it in the same direction as said core moves it and to maintain said lever in said reversed position independently of said electromagnet and core.

2,031,324
RADIATOR GRILLE
Chester L. Lewellen, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application March 5, 1934, Serial No. 714,397
11 Claims. (Cl. 293—54)



1. In a radiator grille, a supporting bar having a projection extending from one longitudinal edge thereof in the plane of the same, and a louver blade extending transversely of the bar and having portions shaped for snap-on engagement with said projection.

2,031,325
EYELET ASSEMBLY
Carl W. Meyer, New York, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application May 20, 1933, Serial No. 671,298
6 Claims. (Cl. 72—365)



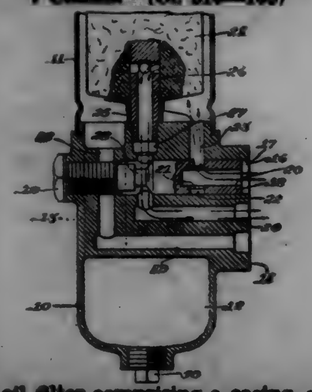
5. In combination, a preformed unit of structural material provided with a hole extending partly through the unit, a setting and reenforcing member disposed within the hole, said bushing fitting around the said member, at its lower end penetrating the wall of the hole, and at its upper end flared into a continuous preformed rim portion resting upon the material defining the top of the said hole.

2,031,326
MORTAR MIXER
Durando Miller, Pelham Manor, N. Y.
Application April 15, 1933, Serial No. 667,382
3 Claims. (Cl. 23—73)



1. A material mixing apparatus comprising in combination a mixing chamber, a hopper for bulk material with an outlet discharging into the mixing chamber, a second hopper for bulk material discharging into the mixing chamber, a horizontal feed screw positioned in the bottom of the first hopper having a central tubular shaft, feed means in the bottom of the second hopper for feeding material to the mixing chamber, an agitator for mixing the ingredients of the mixing chamber co-axial with the feed screw of the first hopper and having a shaft extending through the tubular shaft of the feed screw, a driving means connected to the agitator shaft, a clutch and means controlled by said clutch for actuating both the feed screw and the feed means in synchronism to deliver materials to the mixing chamber in predetermined proportions.

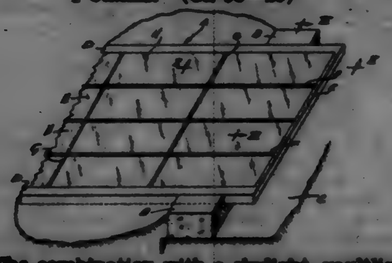
2,031,327
OIL FILTER BASE
William F. Maench, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application July 30, 1934, Serial No. 737,509
7 Claims. (Cl. 210—165)



1. An oil filter comprising a casing, a filtering element in said casing, an inlet conduit leading to the casing outside said element, an outlet conduit leading from the interior of the element, a by-pass conduit between the inlet conduit and the outlet conduit containing a pressure controlled valve, a drain conduit leading from the

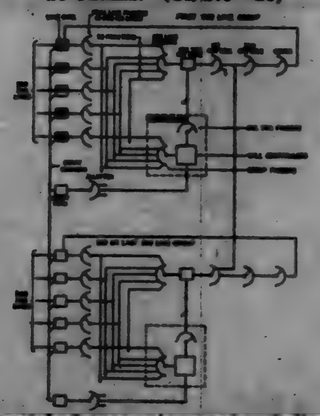
casing, a valve element extending through the inlet conduit, the outlet conduit and the drain conduit, said element being formed with channels to provide for liquid flow through the inlet and outlet conduits when the valve element is in one position, and means for moving the valve element axially into another position in which the outlet and inlet controls are closed and the drain conduit is open.

2,031,220
CONCEALED SKYLIGHT VENTILATION
Logan Willard Mulford, Long Island City, N. Y.
Application November 2, 1933, Serial No. 640,206
4 Claims. (Cl. 98—39)



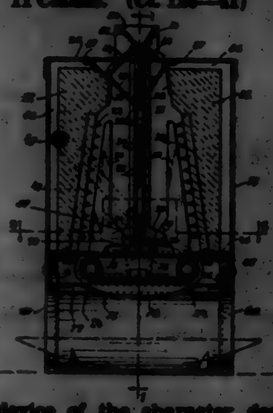
1. The combination with a skylight, vaultlight or the like, and a structural support bordering an opening in a roof or the like, a fabricated load-supporting structure having light apertures with glass or lenses embedded therein, deep load-supporting members in said structure, a portion of said skylight partially overhanging said structural support, whereby deep load-supporting members of said fabricated structure lie across said support providing passage for air between said portion and the support and between the load-carrying members.

2,031,229
AUTOMATIC TELEPHONE SYSTEM
John E. Outline, Berwyn, Ill., assignor to Automatic Electric Company, Limited, Liverpool, England, a British company
Application September 6, 1934, Serial No. 742,867
26 Claims. (Cl. 179—16)



1. In a telephone system, a trunk line terminating in an automatic switch, means for automatically advancing the switch in a hunting movement over its bank contacts after the seizure of said trunk line, a local circuit controlled by said switch for stopping the automatic advance of said switch, means for transmitting a signal from said switch over said trunk line each time the automatic advance of said switch is stopped, means responsive to said signal for counting each said stoppage and for again operating said automatic switch advancing means, and means for transmitting a signal from said last means over said trunk line to said switch after a predetermined number of stoppages of said switch, and means in said switch responsive to said last signal for again advancing said switch in its final hunting movement.

2,031,230
BROILER OR THE LIKE
Lester R. Pahlsford and Walter H. Rudolph, Buffalo, N. Y.
Application November 18, 1931, Serial No. 575,534
11 Claims. (Cl. 126—41)



2. In a device of the character described, a cooking compartment, a pair of grids mounted for translatory and pivotal movement towards and from each other, means for moving said grids into and out of said cooking compartment, means located within said compartment, for producing a translatory movement of said grids towards each other as they are moved towards cooking position to clamp articles of foodstuff placed between the grids, and means for effecting pivotal movement of said grids automatically when the grids are moved out of the cooking compartment, whereby articles of foodstuff may be readily placed between or removed from between said grids.

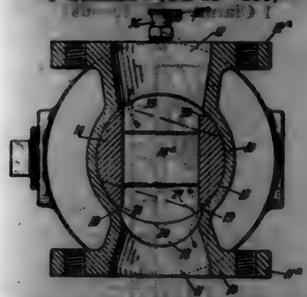
2,031,231
PHOTOELECTRIC TUBE
Frans Michiel Penning, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application March 12, 1932, Serial No. 598,766
In Germany March 14, 1931
4 Claims. (Cl. 250—27.5)



1. A photo-electric tube comprising an anode, a photo cathode and an auxiliary electrode for

emitting secondary electrons, said auxiliary electrode being connected to the photo cathode through a resistance within the tube.

2,031,232
GASEOUS FUEL MIXING VALVE
John Kline, Dayton-on-the-Ohio
Application May 7, 1931, Serial No. 535,635
3 Claims. (Cl. 48—189)



1. In a gaseous fuel mixing valve, a housing having gas and air inlet ports and a gas and air mixture outlet port on the opposite side, said housing having a cylindrical bore extending transversely of said ports, a single valve member slidably and rotatably mounted in said bore and having a transverse opening communicating with all of said ports, means for moving said valve member longitudinally within said bore to vary the effective opening of said gas inlet port only, and means for moving said valve member angularly about its axis to a determinate fixed position to vary in direct proportion the effective openings of said gas and air inlet ports and the mixture outlet port.

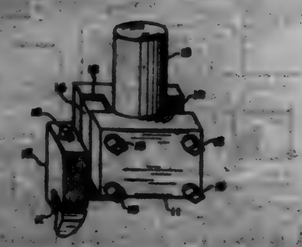
2,031,233
TRACTOR AXLE EXTENSION
Adolph Renning, Minneapolis, Minn., and Andrean G. Renning, deceased, late of Minneapolis, Minn., by Adolph Renning and Jacob A. Renning, executors, Minneapolis, Minn., assignors to International Harvester Company, a corporation of New Jersey
Original application December 19, 1928, Serial No. 327,139, which is turn is a division of Serial No. 65,706, October 29, 1925. Divided and this application January 11, 1932, Serial No. 585,858
5 Claims. (Cl. 180—75)



1. In a tractor, a housing, an axle in the housing, a hub extension on the axle, a spacer, means for securing the spacer to the hub extension, a spindle on said spacer, a wheel having a hub mountable on said spindle, and means for securing the wheel-hub to the spindle.

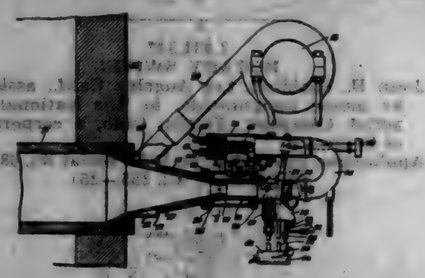
2,031,234
OFFSET SIDE SUPPORTED TOOL HOLDER
Ole Severson, Shelton, Conn., assignor to The Apex Tool & Cutter Company, Inc., a corporation of Connecticut
Application September 19, 1934, Serial No. 743,839
1 Claim. (Cl. 29—99)

A tool holder comprising an elongated rectangular shank adapted to be received within a tool post and having an integrally formed head of a rectangular cross section extending from the front face of the shank and being offset forwardly and to one side with respect to said shank so as to extend beyond the front face and one side wall of said shank, the top of said head being spaced downwardly from the top of said shank, said head being offset from said shank providing



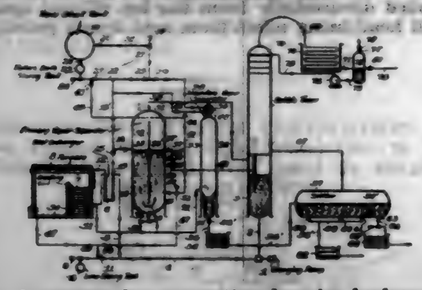
said head with a rear wall parallel to and oppositely facing the plane of said front face thus to form a surface adapted to abut the front face of a tool post within which said shank is secured, the side wall of said shank being adapted to abut a face of the aforementioned tool post, said head further having means for receiving and retaining a tool bit.

2,031,235
CONTROL FOR HEAT GENERATORS
Jerome J. Sloyan, Red Bank, N. J.
Application July 3, 1933, Serial No. 678,503
4 Claims. (Cl. 158—28)



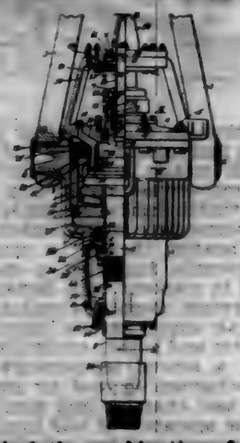
3. In combination with a burner having ignition means, a fuel feeding means and a carbureting air supply means including an air heating chamber operatively associated with said burner to be heated thereby and an auxiliary air heater positioned intermediate said chamber and burner for initially heating the air; a control system comprising circuits including a main control switch closed in response to a demand for heat, a first temperature responsive switching mechanism in said air supply means intermediate said auxiliary heater and burner controlling initiation of fuel feed, a second temperature responsive switching mechanism in said air supply means intermediate said chamber and auxiliary heater controlling the operation of said auxiliary heater and ignition means and the initial operation of said air supply means and cooperating with said first switching mechanism to maintain operation of said blower and fuel feeding means whereby upon a demand for heat, fuel feed is delayed until the temperature of the carbureting air reaches a determined value.

2,031,236
PROCESS FOR THE CRACKING TREATMENT OF HYDROCARBONS
Arthur D. Smith, Park Ridge, Ill.
Application July 2, 1934, Serial No. 733,479
12 Claims. (Cl. 196—55)



1. A process for converting heavier hydrocarbon oil into lighter hydrocarbon which comprises subjecting said oil commingled with finely divided mineral adsorbent towards carbon forming substance to a cracking temperature under superatmospheric pressure, admixing with said oil simultaneously with reduction in temperature thereof to an incipient cracking stage finely divided mineral adsorbent of the same general characteristics but heavier than said first mentioned adsorbent, substantially concurrently with such reduction in temperature releasing the so treated oil to a zone of reduced pressure, and separating therein respectively as vapor and liquid under accelerated sedimentation by such heavier adsorbent said lighter hydrocarbon and a clarified residual fraction employable as fuel oil without further treatment.

2,031,237
ROTARY SWIVEL
John D. Spalding, Los Angeles, Calif., assignor, by mesne assignments, to The National Superior Company, Toledo, Ohio, a corporation of Delaware
Application September 12, 1933, Serial No. 689,074
23 Claims. (Cl. 255—25)



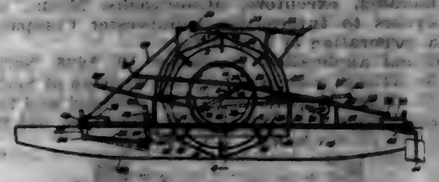
1. In a swivel, the combination of a body, a rotary sleeve mounted to rotate within the body, an anchor plate mounted within the body, an upthrust bearing means between the anchor plate and the rotary sleeve, a downthrust bearing means between the anchor plate and the rotary sleeve, and means for removably supporting the anchor plate within the body against displacement in the direction of the axis of the rotary sleeve.

2,031,332
WINDOW SASH
Louis Stoltenberg, Oakland, Calif.
Application October 20, 1934, Serial No. 750,444
1 Claim. (Cl. 20—68)



In a device of the class described, weather stripping for windows, said weather stripping having transversely arranged guide slots formed therein, pins extending through said slots, additional slots formed in said strips, flat springs mounted in said strips and extending into said last mentioned slots, and fixed counter-sunk headed pins extending from the window casement and engaging said springs whereby said strips are urged tightly against the window sashes.

2,031,339
MEANS FOR PROPELLING PLEASURE BOATS
Sam Stone, Seattle, Wash.
Application October 8, 1934, Serial No. 747,193
2 Claims. (Cl. 115—26)



2. A pleasure boat comprising a pair of floats, a deck connecting said floats, means for propelling the boat, a blade pivoted at its forward end to said boat and arranged below said deck and clear of the water when in horizontal position, and means connected to its rearward end to support said blade at any predetermined position causing the blade to engage the surface of the water and thereby preventing pitching motion of the boat.

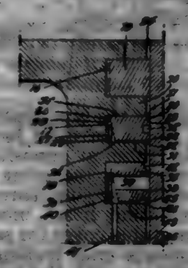
2,031,340
CATHODE HEATING ELEMENT FOR THERMIONIC TUBES
Anthony A. Straub, St. Marys, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 20, 1930, Serial No. 437,573
7 Claims. (Cl. 250—27.5)

1. In a thermionic tube, the combination with a cathode sleeve, and a heating filament of U-shape having parallel leg portions mounted within said sleeve, of an insulating and supporting element comprising a portion interposed between the legs of the filament over their operating length, and other portions integral therewith and interposed between the filament and the sleeve at each end of the element and at an intermediate zone and completely surrounding each leg



of the filament, the remainder of the insulating and supporting element being of substantially the same lateral dimension as the spacing of the leg portions of the filament in planes parallel with the filament, whereby material portions of the sleeve are subjected to direct radiation from the filament.

2,031,341
PISTON RING
John H. Stumpf, West Forrest Hills, N. Y., assignor to Wilcox-Rich Manufacturing Company, Philadelphia, Pa., a corporation of Delaware
Application August 15, 1931, Serial No. 557,359
1 Claim. (Cl. 309—45)



The combination with a piston adapted to be mounted for up and down reciprocation in a cylinder, said piston having a ring groove therein, of a ring in said groove having an undercut oil groove in its bottom face, said groove forming an edge of less than 90 degrees for scraping oil from the cylinder surface during the down stroke of the piston, said ring having its face on the side farther from the cylinder engaging surface sloping downwardly and outwardly, and a ribbon expander disposed in said groove behind the said ring for contacting the upper portion of said sloping face to force said ring outwardly and upwardly in the groove, the lower edge of said expander being radially spaced from said ring, and said piston having drain passages therein opening into the space between the expander and the ring for carrying off oil from the groove and arranged to drain the bottom of the groove.

2,031,342
LIGHTING DEVICE FOR AUTOMOBILES
Leslie E. Turbox, North Reading, Mass.
Application April 18, 1934, Serial No. 721,073
9 Claims. (Cl. 240—8.3)



1. A device of the character described comprising a number plate; a light; a non-transparent casing around said light but having an opening; and a reflector within the casing and having two adjacent plane faces each extending upwardly and outwardly transversely of the device and acting to direct substantially all the rays from said light through said opening downwardly along and across the face of said plate.

2,031,343
FOUNTAIN PEN
Ivan D. Tefft, Janesville, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application August 6, 1934, Serial No. 738,623
5 Claims. (Cl. 120—46)

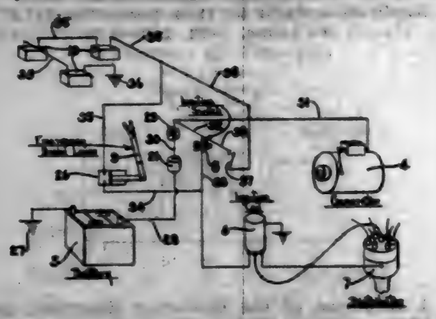


1. In a fountain pen, an ink reservoir barrel, having at one end passages for ink and air, combined with a twist-sac located within, supported at, and vented toward the other end of the barrel, and having an impervious wall extending into the reservoir; and a rotatable element engaging torsionally a deep part of the sac, thereby by twisting the sac to change displacement of the reservoir.

2,031,344
DOORLOCK
Harry Thomasma, Grand Rapids, Mich.
Application March 12, 1934, Serial No. 715,061
Renewed January 14, 1936
6 Claims. (Cl. 180—82)

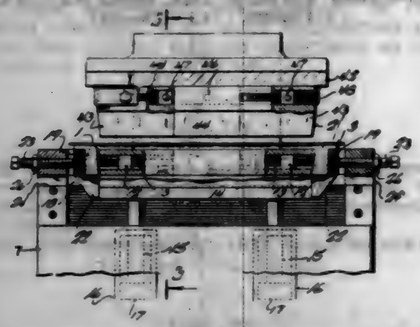
1. The combination with an automobile having a door and a control member to be moved to one position when the automobile is moving and to another position when the automobile is standing, of a lock for said door, means actuated by

said control member to lock said lock when said control member is adjusted for the automobile to move, said means acting to release said lock when



the control member is adjusted for the automobile to stand and means for rendering the first mentioned means ineffective whenever the automobile is tilted to a predetermined angle.

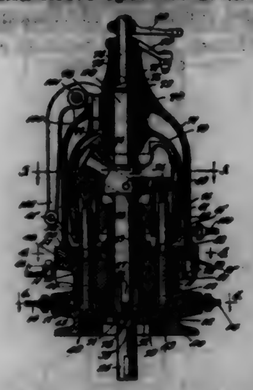
2,031,345
TRAY MAKING APPARATUS
Guy L. Tinkham, Detroit, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a corporation of Maine
Original application March 10, 1934, Serial No. 714,906. Divided and this application July 16, 1934, Serial No. 735,362
3 Claims. (Cl. 153—23)



1. An apparatus for folding a substantially flat sheet metal blank into a tray, comprising a co-operating plunger and die, the latter having side and end walls, supports, one for the plunger and the other for the die, the plunger and the side walls of the die each being in sectional form, and means for securing the sections of the plunger and the die to their respective supports, the securing means for certain of the sections of the plunger and the die constituting co-operating fastening means and longitudinal grooves therefor whereby said sections may be adjusted to vary the length of the plunger and the die to produce trays of different lengths.

2,031,346
FUEL INJECTION PUMP
Gunnar A. Wahlmark, Rockford, Ill., assignor of one-half to Charles H. Rystrom, Rockford, Ill.
Application October 17, 1933, Serial No. 693,870
8 Claims. (Cl. 103—38)

3. A pump comprising, in combination, a cylinder block having a plurality of cylinders arranged in a circle, pistons in said cylinders, a drive shaft extending centrally of said cylinders, means for rotatably supporting said drive shaft, a control shaft positioned axially of said drive shaft and in engagement with the upper end thereof, a sleeve surrounding said control shaft, cam means on said shaft and sleeve operable when said control



shaft is rotated to move the control shaft and thereby the drive shaft axially to vary the stroke of the pistons and means for rotating said sleeve independently of the control shaft to vary the stroke of the pistons when the control shaft is in its minimum stroke position.

2,031,347
COIN HEAD FOR COIN CONTROLLED DEVICES
Thomas W. E. Watling, Chicago, Ill., assignor to Watling Scale Company, Chicago, Ill., a corporation of Illinois
Application September 19, 1935, Serial No. 41,211
4 Claims. (Cl. 194—98)

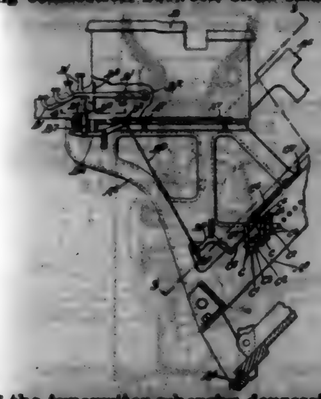


1. In a coin head of the type described, the combination with a frame, of fixed locking members mounted on said frame at opposite ends thereof respectively, mechanism, including a slidable coin holder for conveying a coin through, and discharging it from, said head, mounted on said frame, and a removable cover for said mechanism having at its opposite ends locking members respectively cooperating with the locking members on said frame to lock said cover to said frame, one of the locking members on said cover cooperating with said mechanism through engagement with a coin in said holder to render said mechanism operative.

2,031,348
PATTERN SELECTING MECHANISM
George Herbert White, Hartford, Conn., assignor, by mesne assignments, to Monomelo Corporation, a corporation of Delaware
Application December 30, 1932, Serial No. 649,573
13 Claims. (Cl. 276—15)

1. A pattern forming mechanism for type casting machines and the like comprising an inclined supporting bed, a plurality of pivoted pattern selecting shutters arranged side by side thereon, a horizontal platform associated with the bed, a

standard typewriter mounted thereon and a working connection between each shutter and a



key of the typewriter whereby depression thereof causes rotation of the shutter.

2,031,349
BUMPER
Villor P. Williams, Baltimore, Md., assignor to Estelle Williams Gomberov, Baltimore, Md.
Application January 8, 1935, Serial No. 929
22 Claims. (Cl. 293—55)



1. In a bumper provided with a spring arm member having an end portion movably engaging a supporting element, and means carried by said supporting element and adapted to be engaged by the terminal end of said spring arm end portion, said supporting element having a portion of same for imposing an increasing progressive resistance to the endwise movement thereof in one direction of movement of the arm.

2,031,350
STEEL CONTAINER FITTING
Llewellyn W. Evans, Richmond, Calif., assignor to Rheem Manufacturing Company, Richmond, Calif., a corporation of California
Application August 7, 1934, Serial No. 738,778
8 Claims. (Cl. 292—49)



3. In a device of the character described, the combination with a wall having an opening of a unit extending through said opening and having portions surrounding the same on opposite sides of said wall, said wall being provided with offset portions and each of said portions of said unit being provided with parts interlocked with each other through the medium of said offset wall portions to prevent rotative displacement of said unit in the opening.

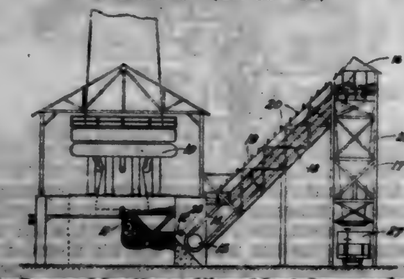
2,031,351
CONTAINER FITTING
Richard S. Rheem, Oakland, Calif., assignor to Rheem Manufacturing Company, a corporation of California
Application January 22, 1935, Serial No. 2,522
12 Claims. (Cl. 220—39)

1. In a device of the character described, the combination with a wall having an opening, of an internally threaded bushing member extending through said opening and having an annular portion surrounding said opening and arranged on one side of said wall, a substantially rigid reenforcing backing member surrounding said bushing member and provided with inner and outer portions respectively engaged with and spaced from the other side of said wall said backing member serving with said bushing member to brace said wall on opposite sides thereof and



thereby to prevent the breaking loose of said members under service conditions, means on the bushing member to clamp the backing member and wall against said annular portion of the bushing member, said members and wall having interlocking parts interlocking with each other and the wall to prevent rotational displacement of said members on said wall, and a cap for enclosing said members on said other side of the wall having a portion interposed between the wall and said spaced portion of the backing member.

2,031,352
METHOD AND APPARATUS FOR HANDLING SLAG
Raymond N. Wilson, Cleveland, Ohio
Application June 11, 1932, Serial No. 616,837
3 Claims. (Cl. 82—46)

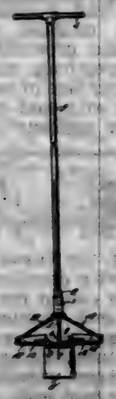


1. In combination with a blast furnace having an outlet passage in the base portion thereof, a tower in juxtaposition with said furnace, a structure uniting the top of the tower with the base portion of said furnace and associated with said outlet passage thereof, a conveyor belt within said structure, buckets mounted upon said conveyor belt, arranged to receive molten slag discharged from said outlet passage and deposit same in a solid condition at the top of said tower, a roof upon said structure, means within said roof to facilitate the control of the dissipation of heat from the slag and a grating adjacent the base of the tower to effect the disruption of the slag by its fall thereon.

2,031,353
UNDERREAMER
Harvey Ellis Woodruff, Corpus Christi, Tex.
Application August 16, 1935, Serial No. 36,569
1 Claim. (Cl. 255—76)

An underreamer comprising a tubular rod, means for actuating said rod, a shaft extending slidably into said tubular rod but non-rotatable relative thereto, a cross-head fixed on the lower end of said shaft, blades mounted for swinging movement in a vertical plane on said cross-head, means operatively connecting the blades to the

tubular rod for raising and lowering thereby, and a bucket mounted for swinging movement on the



cross-head and adapted to receive excavated material from the blades.

2,031,354
VENETIAN BLIND TILTER
Richard H. Wright, Cleveland, Ohio
Application May 24, 1935, Serial No. 22,369
5 Claims. (Cl. 156—17)



1. A tilt unit for Venetian blinds, comprising a supporting bracket, a tilt member tiltably mounted thereon for cooperation with a tilt bar, operating means for moving the tilt member including a wheel and an operating shaft therefor, and a guide member rockably mounted upon said shaft adjacent to said wheel and having a guide portion for a pull cord spaced from the wheel and a pull cord looped about the wheel and passing through the guide portion of the guide member, the guide member being swingable upon the shaft in the direction of lateral pull exerted upon the pull cord for turning of the wheel to cause tilting action of the tilt member.

2,031,355
WHEEL AND WHEEL COVER
Oscar U. Zerk, Chicago, Ill.
Application December 12, 1932, Serial No. 646,859
2 Claims. (Cl. 301—37)

2. A sheet metal cover for vehicle wheels of the type comprising a central hub portion, a felloe portion provided with a plurality of circumferentially spaced inwardly projecting tongue elements, and a plurality of radially extending spoke portions generally of channel form inboardly concave secured to the felloe portion and hub portion, the cover comprising a central nave portion and a plurality of spoke simulating portions extending radially therefrom, generally of channel form inboardly concaved and mutually nestable with the wheel spoke portions, and resilient means secured to the cover and to the wheel constantly urging the radially outermost spoke simulating cover portion axially inwardly

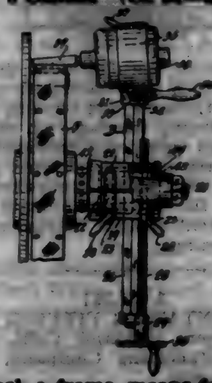


toward said tongue elements to resiliently maintain the cover upon the wheel.

2,031,356
PROCESS FOR DYEING OR COLORING CELLULOSE ESTERS AND CELLULOSE ETHERS
Franz Ackermann, Binningen, near Basel, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Original application May 16, 1933, Serial No. 671,762. Divided and this application April 2, 1935, Serial No. 14,575. In Switzerland May 23, 1932
8 Claims. (Cl. 8—5)

1. A process for dyeing or coloring cellulose esters or cellulose ethers, consisting in dyeing or coloring the material by means of a colored product of the general formula R_1—CH—R_2, wherein R_1 stands for any residue of a compound containing a heterocyclically bound reactive methylene group, and R_2 for any aryl residue.

2,031,357
COMBINATION PRECISION GRINDER AND CALIPERS
Harry E. Barrett, Los Angeles, Calif.
Application July 10, 1933, Serial No. 679,697
2 Claims. (Cl. 51—241)



1. In a tool, a frame, means for mounting the frame for oscillation with respect to the work, a collar fixed on the frame, a motor-bearing mounted pivotally on the collar, and means comprising a yoke on the collar and a projection on the bearing working between the legs of the yoke for adjustably regulating pivoted movement of the bearing with relation to the frame.

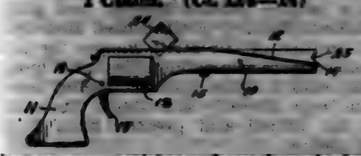
2,031,358
APPARATUS FOR PRODUCING PERSPECTIVES
Johannes Bartholewsky, Los Angeles, Calif.
Application April 24, 1933, Serial No. 667,667
9 Claims. (Cl. 33—24)



1. An apparatus comprising a main framework with a longitudinal portion and a transverse portion at the far end, a vision localizing means on the near end of the framework, a base for production purposes on the far end of the framework, and a small frame adjustably mounted between the far and near ends and including means for tiltably holding matter to be produced on the base according to the appearance from the vision localizing means.

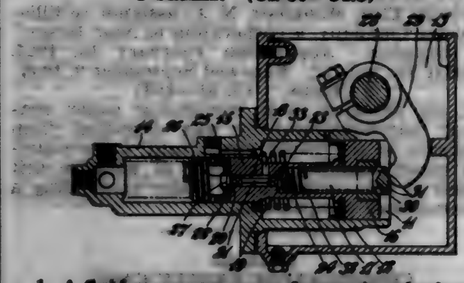
9. An apparatus comprising a main framework with a production base at the far end, a vision localizing means on the near end of the framework, a secondary frame mounted on the main framework shiftable between the near and far ends and having means for holding matter to be produced in the production base, control members at the near end, an indicator for elevation points, another indicator for lateral points, both indicators adjustable to points above the base with respect to points selected from said matter as seen through the vision localizing means, means shiftably mounted across the framework for supporting the indicators, operating means for the supporting means, other operating means for each of the indicators, means for selectively connecting the operating means for either of the indicators to the control members, and means for selectively connecting the operating means for either the shiftable supporting means or the indicators.

2,031,359
TOY GUN
John Betty, Corcoran, Calif., assignor to John Austin Betty, Corcoran, Calif.
Application August 10, 1933, Serial No. 684,582
1 Claim. (Cl. 124—14)



A toy gun comprising a barrel, a stock integral with the barrel, said stock having a vertically disposed slot therethrough opening through the upper end thereof at a point below the top of the barrel, a trigger, a hammer integral with the trigger and projecting through the upper end of said slot and in a rearward direction, a yieldable looped member engaging the front end of said barrel and engaging said hammer, said stock having a longitudinally extending groove therein, said yieldable member at the rear portion thereof being disposed in said groove and engaging over the rear end of the barrel, said stock having a recess in the groove at a point intermediate the ends of said groove, a rearwardly extending hook secured to the under side of said barrel and adapted to receive said yieldable member for holding said yieldable member in inoperative position, said stock having a longitudinally extending passage therein disposed parallel with said groove, and a spring disposed in said passage and engaging against said trigger to constantly urge said trigger into operative position, the rear end of the barrel above the slot constituting an abutment engaged by the rear portion of the yieldable member to hold the yieldable member against contracting during the rocking of the trigger to released position.

2,031,360
HYDRAULICALLY OR LIQUID PRESSURE OPERATED BRAKE
Edward Bishop Boughton, London, England, assignor to Lockheed Hydraulic Brake Company, Limited, London, England
Application May 29, 1933, Serial No. 673,527
In Great Britain June 4, 1932
4 Claims. (Cl. 60—54.6)

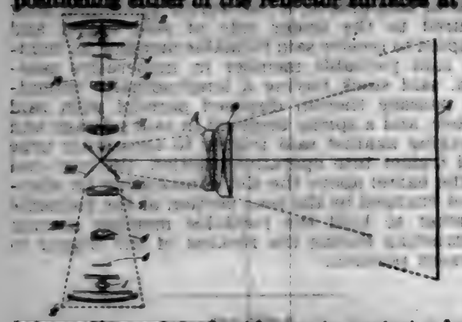


1. A fluid pressure means for use in a hydraulic brake system of the type having a liquid reservoir, a high pressure cylinder, a low pressure cylinder, a passage therebetween, a communication between said reservoir and one end of said passage, communication between said high pressure cylinder and the other end of said passage, communication between said low pressure cylinder and said passage at a point intermediate said reservoir and high pressure communications with said passage, a double-valve unit spring-influenced to close normally by one end thereof said reservoir communication and movable in the passage to close by the other end thereof said high pressure cylinder communication and constituting a means closing the high pressure cylinder communication against liquid flow from the high pressure cylinder, an apertured elastic member normally cooperating at the margin of the aperture together with the other end of the double valve unit for valve closing function.

2,031,361
PROJECTION APPARATUS
Lester W. Bowen, New York, N. Y., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y., a corporation of Delaware
Application November 1, 1933, Serial No. 316,493
Renewed April 4, 1935
5 Claims. (Cl. 88—24)

2. In a projection apparatus, a pair of opposed and axially aligned projectors, a diverging lens having its axis perpendicular to that of the projectors and centrally thereof, and a pair of reflectors disposed at an angle of 90° to each other on a line inclusive of the intersection of the

diverging lens and projector axes, and means for positioning either of the reflector surfaces at the



intersection point of said axes to project a beam from one or the other projectors through the diverging lens.

2,031,362

WATER-RESISTANT SANDPAPER AND OTHER ABRASIVE PAPERS AND PROCESS OF MAKING SAME

Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application February 18, 1927, Serial No. 169,412. Renewed September 9, 1933

9 Claims. (Cl. 51—280)

1. An abrasive sheet comprising paper rendered water-resistant by wax deposited from emulsion in the paper stock, said water-resistant paper carrying a coating of abrasive grit bound to the surface by a binder comprising a nitrocellulose composition.

2,031,363

COMBINATION VANITY CASE

Erik Elof Eriksen, North Canton, Ohio

Application January 28, 1935, Serial No. 3,324

1 Claim. (Cl. 206—35)



A case comprising a body having compartments therein, a cover for said body, means for securing the cover in closed position, said cover having compartments and a chamber therein, a lid for closing the compartments of the cover, a flange surrounding the upper end of the body and providing a channel, said channel having a branch channel cooperating therewith for disposal about one of the compartments of the body, a compressible gasket in the channel and the branch thereof, and means extending from the cover to be received by the gasket to provide a leak proof connection between the cover and body, and the chamber and the last mentioned compartment.

2,031,364

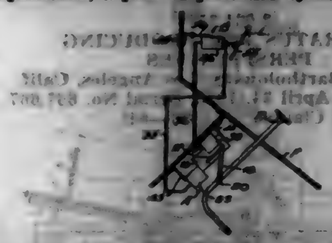
HYDRAULIC GEAR SHIFT

Louis D. Foley, Louisville, Ky.

Application June 17, 1925, Serial No. 37,462

16 Claims. (Cl. 74—134)

1. In a pneumatic gear shifting attachment for automobiles having a gear shift lever and a clutch pedal, a cylinder, a piston reciprocable in said cylinder provided with a piston rod for connection to the gear shift lever to move the lever backward and forward as the piston reciprocates, a pair of pressure cylinders each pipe



connected to a respective end of the first cylinder, each of said pressure cylinders being provided with a piston and piston rod, and means adapted to be actuated by depression of the clutch pedal for alternately moving the piston rods in pressure producing direction.

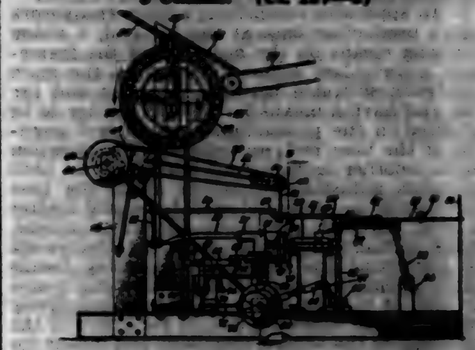
2,031,365

MACHINE FOR MAKING PRETZELS

Harry A. Garland, Baltimore, Md.

Application October 12, 1934, Serial No. 748,138

5 Claims. (Cl. 107—8)



1. A pretzel making machine comprising a carrier for a rolled strip of dough to suspend the same with its free ends hanging from the carrier, a twister disposed beneath the carrier in the line of the free ends of the strip for engaging and twisting the same together to provide a closed loop on the carrier and spaced extremities beneath the twisted portions of the strip ends, combined folding and spreading means at the forward end of the carrier for engaging the strip above the twisted portion thereof and admitting the downward folding of the closed loop upon the free extremities of the strip, means for pressing the closed loop to the extremities, and means for operating said folding and spreading means to draw the loop laterally and shape the same and extract the folded and pressed strip from the pressing means.

2,031,366

TYPOGRAPHICAL SLUG CASTING MACHINE

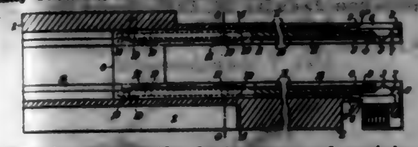
William Fairall Gorse, Altrincham, and Richard Henry Scott, Enfield, England, assignors to Linotype and Machinery Limited, London, England, a company of England

Application March 17, 1934, Serial No. 716,115

In Great Britain April 8, 1933

14 Claims. (Cl. 199—39)

1. In a typographical slug casting machine, the combination with a transporter in which a composed line of matrices is carried to and from casting position, of matrix-retaining means normally located at the receiving end of the trans-



porter, to engage the last composed matrix of a line, said means being movable endwise in the transporter simultaneously with endwise movement of the composed line.

2,031,367

DISPLAY DEVICE

Samuel J. Graham, New York, N. Y., assignor to Individual Drinking Cup Company, Inc., Easton, Pa., a corporation of Pennsylvania

Application October 15, 1933, Serial No. 694,154

1 Claim. (Cl. 40—16)



The combination with a dispensing device including a support for a stack of articles to be dispensed, a removably mounted dome adapted to confine the stack, and means including an arm for attaching the support to an object, of a display device including a frame portion and a member adapted to be engaged with the arm, said member having flange portions adapted to engage the sides of the arm and means passing through the flange portions for detachably connecting the member to the arm, the frame portion extending parallel with the dome but spaced therefrom to permit grasping of the dome in its removal or replacement operation.

2,031,368

METHOD OF LUBRICATION AND LUBRICANT THEREFOR

Walter D. Hudson, Chicago, Ill.

No Drawing. Application April 6, 1934, Serial No. 718,407

5 Claims. (Cl. 87—9)

1. The method of lubricating a hot roll neck bearing normally requiring lubricating greases which are hard at atmospheric temperatures, which comprises adding to such a hard grease a small proportion of a grease compatible solvent volatile at the operating temperature of the bearing, said solvent being a hydrocarbon or derivative thereof and having a boiling point high enough that it does not evaporate under the temperature and pressure conditions of the lubricant feeding mechanism, the proportion of the solvent being large enough to soften the grease sufficiently to be applied by mechanical lubrication systems and being small enough that the grease structure is retained in the softened grease, and mechanically applying the grease to the bearing, where the heat of operation of the bearing evaporates the solvent and produces a grease inherently of the original consistency.

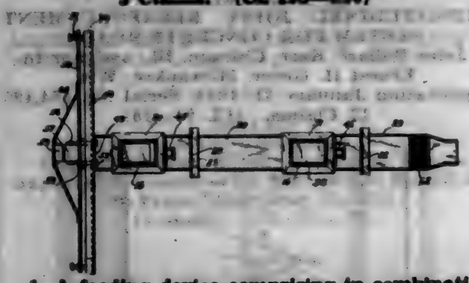
2,031,369

FEEDING APPARATUS

Austin A. Holbeck, Long Lake, Mich.

Application March 23, 1935, Serial No. 12,665

5 Claims. (Cl. 198—220)



1. A feeding device comprising in combination a trough, a transverse member connected to the trough with its ends extending beyond the sides of the trough, a second transverse member having an intermediate part thereof connected with the trough and having extending portions with means thereon for striking engagement with the extending ends of the first transverse member, and means for vibrating the extending portions of the second transverse member to cause such striking engagement.

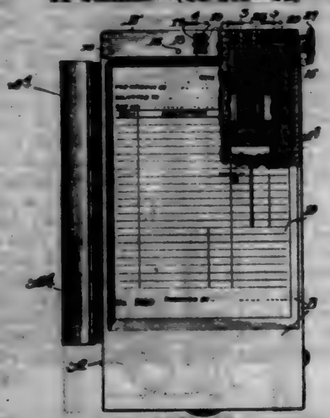
2,031,370

AUTOGRAPHIC REGISTER

Louis Jensen, Chicago, Ill., assignor to United Autographic Register Co., Chicago, Ill., a corporation of Illinois

Continuation of application Serial No. 703,595, filed February 2, 1934. This application filed November 17, 1934, Serial No. 753,551

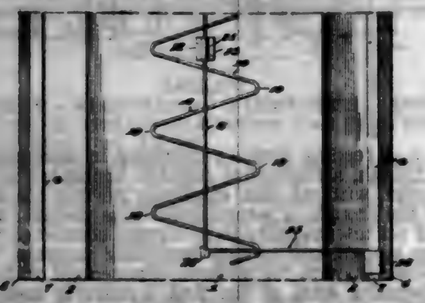
11 Claims. (Cl. 283—21)



1. An autographic register comprising: a casing having a platen over which a plurality of stationery strips provided with register perforations may be led; a tear-off bar near the front of said platen whereon the strips may be severed, a rotatable presser-roll mounted on said tear-off bar and adapted to engage the strips; register pins yieldingly urged into engagement with the register perforations in strips advanced over the

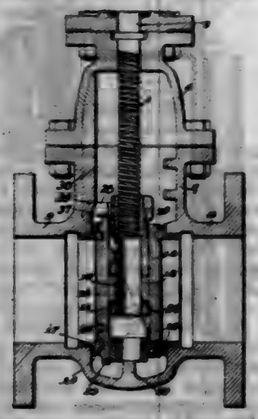
platen; and an initial feed device for said strips comprising a transverse rotatable shaft provided with a mutilated feed wheel adapted upon rotation to press the strips against the presser-roll, cam-means for holding the register pins depressed while the strips are engaged by said feed wheel, and yielding means for holding the mutilated portion of the feed wheel adjacent to the strips when the register pins are released by said cam-means.

2,031,371
LONGITUDINAL JOINT REENFORCEMENT SYSTEM FOR CONCRETE ROADS
John Willard Kerr, Chicago, Ill., assignor to Ernest H. Geyer, Milwaukee, Wis.
Application January 31, 1933, Serial No. 654,495
12 Claims. (Cl. 94—18)



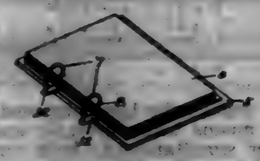
1. In a concrete roadway comprising slabs of concrete meeting on a line longitudinal of the roadway, a continuous tie rod in zig-zag form extending on opposite sides of the meeting line of the slabs in a succession of hooks in a plane above the plane of the lower faces of the slabs.

2,031,372
GATE VALVE
John S. Kiesel, Williamsport, Pa.
Application September 18, 1934, Serial No. 744,568
10 Claims. (Cl. 251—71)



1. A gate valve casing having a fluid opening with a seat ring, a valve disc and raising means by which to raise the disc from a closed position against the ring, and means carried by the raising means and in turn carrying the valve disc positively operating directly against means on the casing for first pulling the disc away from the seat ring.

2,031,373
LOOSE LEAF BINDER
Edward F. Lenow, Minneapolis, Minn.
Application January 30, 1935, Serial No. 4,007
6 Claims. (Cl. 129—43)



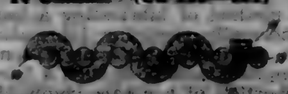
1. In a loose leaf binder, a back board, an inverted U-shaped leaf engaging member having one leg secured to the board adjacent one edge thereof and with the other leg disposed outwardly of said board edge, a spring clip pivoted to the inner leg for swinging and closing movement with respect to the other leg and for releasably securing the loose leaves on said member, and means for frictionally retaining the clip in adjusted position.

2,031,374
DUST MOP CLEANER AND RECEPTACLE
Raymond C. Liedtke, Hankinson, and Carl O. Welen, Northgate, N. Dak.
Application October 3, 1933, Serial No. 692,924
5 Claims. (Cl. 15—142)



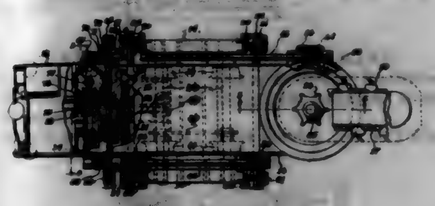
1. A dust collector for mops including, a cabinet having a slot in one wall of said cabinet for the handle of the mop, and a brush closure for said slot including bristles bendable equally in any direction.

2,031,375
NONCREEP ELASTIC STRANDS FOR ELASTIC FABRICS
Samuel Clark Lilley, Hamden, Conn., assignor to The American Mills Company, Hamden, Conn., a corporation
Application December 28, 1933, Serial No. 703,716
10 Claims. (Cl. 139—421)



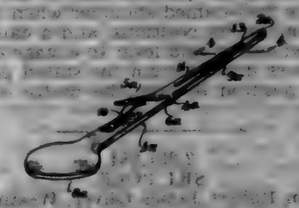
1. As a new article of manufacture, a filamentous non-creep elastic strand adapted for incorporation into fabrics comprising: an elastic core of rubber or equivalent material; and a covering of fibers connected to the surface of the said elastic core around the entire periphery thereof and in amorphously-disposed relationship with respect to each other.

2,031,376
MINING MACHINE
Frank A. Lindgren, Western Springs, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 2, 1930, Serial No. 441,935
Renewed April 7, 1934
25 Claims. (Cl. 262—25)



22. In a mining machine, a motor, a cutter bar carried forwardly of said motor for pivotal movement with respect thereto about a vertical axis, feeding mechanism disposed rearwardly of said motor including a winding drum adapted to have a flexible feeding member wound thereon, a planetary geared reduction device driven from the rearward end of said motor and having driving connection with said winding drum, and a geared drive connection from said planetary geared reduction device to said cutter bar independent of said winding drum for pivotally moving said cutter bar about said vertical axis.

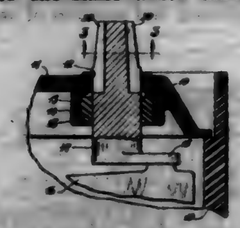
2,031,377
HAIR CURLING DEVICE
Myrtle E. Lindsay, Los Angeles, Calif., assignor to Joseph Lewis, Los Angeles, Calif.
Application March 24, 1935, Serial No. 13,050
6 Claims. (Cl. 132—51)



1. A hair curler comprising a supporting member having a flat metal tapered strip provided with a suitably shaped butt end for convenience in handling, and a tapered clamping finger provided with a struck up finger grip tiltably mounted on said strip and normally lying within the boundary thereof and resting on said strip, said finger at a point adjacent said grip having flanges embracing said supporting member.

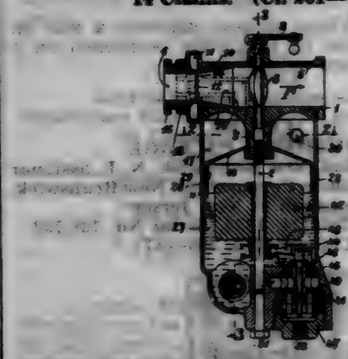
2,031,378
BATTERY TERMINAL POST
Henry W. Lorraer, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application February 14, 1933, Serial No. 656,737
4 Claims. (Cl. 136—168)

4. A terminal post for storage batteries, having alternate longitudinal ribs and grease grooves, the outer surface of the post being tapered, said ribs being of the same width throughout their



length, and said grooves gradually increasing in width from the top of the post downward.

2,031,379
CARBURETOR
Eugene Mathieu, Neuilly-sur-Seine, France
Application December 15, 1932, Serial No. 647,496
In France December 15, 1931
14 Claims. (Cl. 261—79)

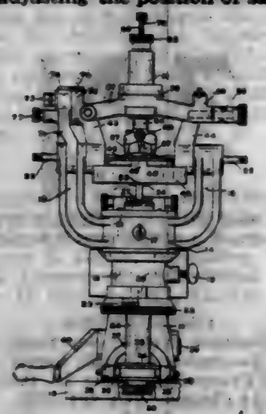


1. A device for producing gaseous fuel mixtures from liquid fuels for use in internal combustion engines or motors, comprising in combination a container holding a gaseous fluid, a screen dividing said container into upper and lower chambers and having a peripheral aperture causing inter-communication between said chambers, an atomizer having a discharge aperture opening into said upper chamber, a pump feeding liquid fuel under pressure continuously to said atomizer, a regulator housing having separate spaces communicating with said upper chamber and with the atmosphere, a passage in said housing communicating with the engine intake and having apertures in its walls causing communication between said passage and each of said spaces, a sleeve mounted for rotary movement in said passage and for longitudinal displacement and having apertures in its walls corresponding to the apertures in said passage walls said sleeve being submitted to the suction action of said engine intake, a spring controlling the longitudinal displacement of said sleeve against said suction action and means to control the relative angular positions of said sleeve and said passage.

2,031,380
LENS BLOCKING DEVICE
Joseph J. McCabe, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application August 10, 1931, Serial No. 556,147
13 Claims. (Cl. 51—277)

1. In a lens blocking device the combination of a body, a lens support rotatably mounted on

said body, means for moving said support about an axis lying in a horizontal plane and means for relatively adjusting the position of said axis with



respect to said lens support whereby a lens on said support can be selectively positioned on a lens block carried by said device.

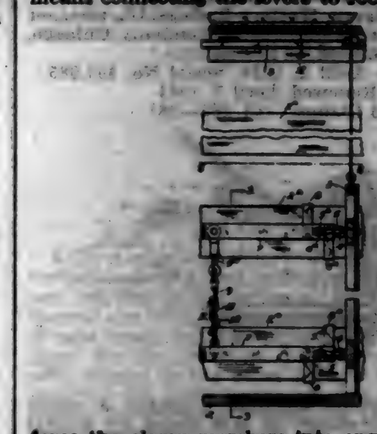
2,031,381
COMPOSITE PACKAGE
Arthur McCallum, New Brunswick, N. J., assignor to Flake Products Corporation, New Brunswick, N. J., a corporation of New Jersey
Application July 24, 1934, Serial No. 736,732
8 Claims. (Cl. 206—47)



1. A composite package consisting of a casing, a partition member slidable in said casing and arranged transversely thereof, a body of relatively heavy material packed between said partition and one end of said casing and normally supporting said partition, a fragile content packed between said partition and the opposite end of the casing, and extensions at the side edges of said partition movable against said opposite end of the casing when the latter rests on said end, said partition and extensions having sufficient strength to support said body of relatively heavy material and said extensions being of a length exceeding the depth of said fragile content whereby the latter will be protected against crushing when the casing rests on said opposite end.

2,031,382
STOCK-CAR PARTITION
Malcolm J. McQueen, Toronto, Ontario, Canada
Application December 6, 1934, Serial No. 756,197
In Canada December 6, 1933
9 Claims. (Cl. 119—11)

1. In a device of the class described, the combination of a partition; levers having pivotal connections with said partition to swing in a vertical plane; clamp members carried by said levers for engagement with side *slats* of a stock-car; and means connecting the levers to rock the same to



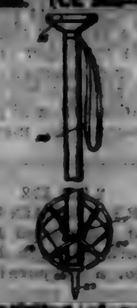
force the clamp members into engagement with the slats.

2,031,383
MACHINE GUN BOLT MECHANISM
Rafael Mendoza, Mexico, D. F., Mexico
Application October 1, 1934, Serial No. 746,441
5 Claims. (Cl. 89—8)



1. A firearm including a gun frame and a barrel removably mounted thereto, said barrel and frame having tapering grooves to align when the barrel is mounted to the frame, a wedge to enter said groove, a shoulder on the frame, a lever pivotally and slidably secured to the wedge, a shoulder on the pivoted end of the lever to engage the first-named shoulder when said lever occupies one of its positions, and a cam face on the pivoted end of said lever to engage the frame by said lever moving from the stated position to a second position to urge the wedge out of the grooves.

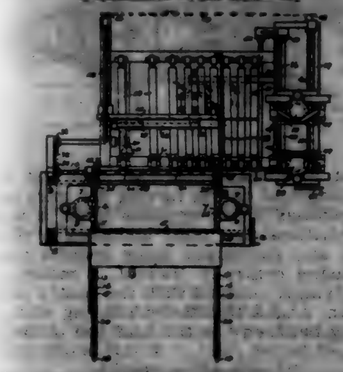
2,031,384
SKI POLE
William Robert James Oliver, Westmount, Quebec, Canada
Application May 3, 1933, Serial No. 669,945
In Canada May 19, 1932
1 Claim. (Cl. 280—11)



A ski pole consisting of a metallic tubular standard, a tube secured to and positioned intermediate the ends of and within the standard, a block forming a closure for the lower end of the

standard, washers engaging the upper and lower faces of the block, a washer engaging the lower end of the standard and in contact with the washer engaging the lower face of the block, a bolt projecting through said washers and block, said bolt having a nut on the upper end thereof and engaging with the upper washer, and a spike on the lower end thereof and engaging with the lower washer, and a handle forming a closure for the upper end of the standard.

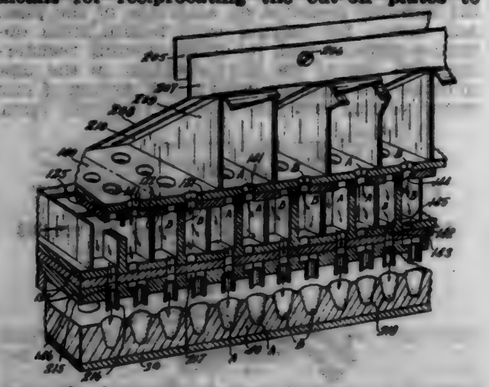
2,031,385
PANEL CHAMFERING MACHINE
Theodore A. Peterman and Frederick Nicholson, Tacoma, Wash.; said Nicholson assignor to said Peterman
Application May 31, 1933, Serial No. 673,786
4 Claims. (Cl. 144—2)



1. An automatic chamfering machine embodying a first pair of chamfering means adapted to chamfer two opposite edges of a panel being fed therethrough; a driven feed means adapted to engage and feed panels through said chamfering means at a predetermined rate; a gauge bar operatively positioned to engage panels delivered from said first pair of chamfering means; a series of power driven rollers forming a non-positive feed means adapted to receive thereon the panel from said first chamfering means, said rollers being shaped and positioned to align said panel squarely against said gauge bar and to frictionally engage said panel in accordance with the weight of the panel, so as to move it at right angles to its former direction and said rollers being driven at a speed greater than that at which the said driven feed means passes the panels through said first chamfering means; a second pair of chamfering means positioned substantially at right angles to the first pair of chamfering means and adapted to chamfer the remaining two edges of panels; and pressure rollers adapted to grip said panel as it leaves said power driven rollers and feed it through said second pair of chamfering means.

2,031,386
PRINTING AND DEPOSITING MECHANISM
Edward D. Eastwood, Agawam, Mass.
Application January 18, 1935, Serial No. 2,466
8 Claims. (Cl. 197—29)

1. A multiple depositing mechanism for fluent material comprising a pair of port plates connected by a plurality of fingers in a rectangular array of spaced rows and columns, each port plate having a hole on each side of each finger, a cellular structure each cell of which surrounds a finger and extends between the port plates, means for reciprocating the cellular structure as a unit; a top and a bottom cut-off plate each having one hole corresponding to each finger-separated pair of holes in the port plates, and means for reciprocating the cut-off plates to



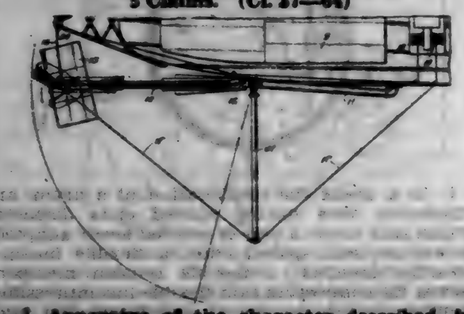
cause the holes in the cut-off plates to register alternately with the holes of each pair in the port plates.

2,031,387
NOZZLE
Arthur Schwarz, Berlin, Germany
Application November 30, 1934, Serial No. 755,457
In Germany August 22, 1934
6 Claims. (Cl. 18—8)



1. A nozzle device for producing extremely fine threads from the raw substance of artificial silk or the like, particularly for use in producing line-screens for colour photography, characterised in that a number of thin plates, of for example metal laid side by side with their flat surfaces in contact, are securely joined together to form a block or the like, the plates according to the number of different substances to be formed into threads, contain a number of holes combined in the block to form holes or channels passing right through the block and separated one from the other while each plate has a slot which extends from one of the holes as far as the edge of the plates, the slots of adjacent plates extending from different holes or channels and not overlapping as far as their outlets which lie at the edges of the plates.

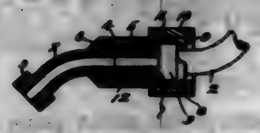
2,031,388
DREDGING APPARATUS
Jacob E. Bensabar, Chicago, Ill.
Application May 9, 1934, Serial No. 724,789
5 Claims. (Cl. 37—64)



1. Apparatus of the character described, including; a swingable suction pipe having an inlet

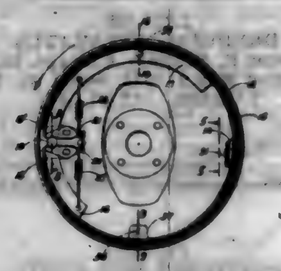
opening at each side near the end; means for swinging said pipe; a mouth with an outlet opening movably mounted on each side of the pipe; and means for moving each mouth from operative position with its outlet opening registering with one of the inlet openings in the pipe to inoperative position with a wall portion of said mouth closing said inlet opening, and vice versa.

2,031,389
PACKED, FLEXIBLE, CONDUIT JOINT
Grover C. Smith, Los Angeles, Calif.
Application May 11, 1935, Serial No. 21,303
1 Claim. (Cl. 285—9)



A packed, flexible conduit joint having, in combination, duplicate elbow sections each having a cup end and a bowed neck of less diameter than the cup, the neck terminating in a cylindrical head larger in diameter than the neck, and the cup having a cylindrical bore slidably and turnably receiving the complementary head of the next section, an elongated, tubular, packing gasket in, and seating against an end shoulder of, said bore, and means to detachably secure said head within said bore and against said gasket and including a horse-shoe washer lying against the outer face of the inserted head and a thimble having a bore to pass over the head of the neck in assembling the joint and screwing onto the cup and passing over and engaging the interposed washer; the latter having an external diameter greater than said head and less than that of the cup, and the total length of the compressed gasket and said head being about equal to the length of said bore.

2,031,390
BRAKE
John Sneed, Grosse Pointe Shores, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio, trustee for Steeldraulic Brake Corporation, Detroit, Mich., a corporation of Michigan
Application December 30, 1929, Serial No. 417,301
12 Claims. (Cl. 188—78)



1. In a brake the combination of a drum, an expansible shoe having spaced ends disposed within said drum, a pair of pivoted levers adapted to engage said spaced ends, a flexible incompressible member, a flexible tension member, means for connecting said flexible incompressible member to actuate one of said levers and said flexible tension member to actuate the other of said levers whereby relative movement of said incompressible member and said tension member will cause movement of one of said levers and means for causing one end of said shoe to regis movement more than the other end of said shoe.

2,031,391
HEAT GUN
Milton H. Spielmans, Cuyahoga Falls, Ohio, assignor to The Black & Decker Electric Company, Kent, Ohio, a corporation of Ohio
Application February 16, 1935, Serial No. 6,356
19 Claims. (Cl. 219—39)



1. In an electrically operated heat gun, a generally cylindrical casing having air inlet and air outlet openings in its opposite ends, a multiple stage centrifugal fan unit, including a plurality of rotary and stationary blade couples mounted in the casing centrally thereof, a motor in the casing drivingly coupled with the rotary elements of the fan, and a resistance heating element in the casing between the fan and the outlet opening.

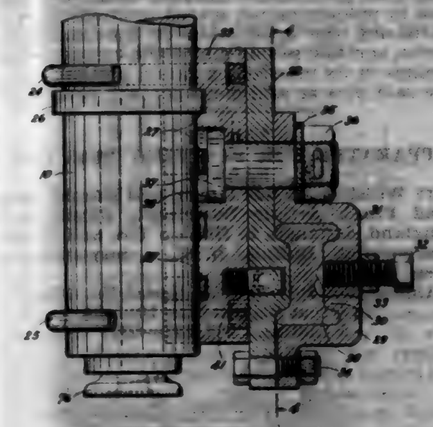
2,031,392
PARKING APPARATUS
Eugene S. Taylor, Chicago, Ill.
Application June 26, 1934, Serial No. 731,541
4 Claims. (Cl. 214—16.1)



1. Apparatus for storing vehicles, including a floor of unit area; a plurality of vehicle carriers in rank and file formation substantially filling said area with the exception of one file, said carriers comprising independent front and back wheel sections sufficiently close to the floor to permit free passage of vehicles thereover on their own wheels; and means for moving said carriers sidewise, said means including means for moving one carrier in each rank and means for rigidly connecting to any one of said carriers any number of additional carriers in the same rank.

2,031,393
VEHICLE JACK
Michial A. Tirabasso, Cleveland, Ohio
Application June 12, 1933, Serial No. 675,336
5 Claims. (Cl. 254—86)

1. A fluid operated jack, comprising a cylinder, a plunger therein, a transversely disposed rib on the periphery of said cylinder, a plate adapted to support said cylinder, said plate having a plurality of spaced grooves in the face thereof for receiving the rib in said cylinder, a second plate adapted for support upon a vehicular axle,



and a pivoted connection between the said first and second named plate.

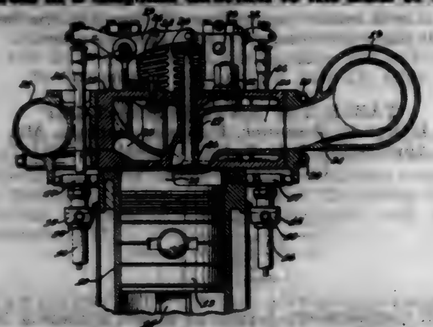
2,031,394
PLANT MARKER
Nicholas C. Vander Kraats, New Brunswick, N. J.
Application March 7, 1935, Serial No. 10,718
4 Claims. (Cl. 40—18)



4. In a waterproof identification marker, a casing open at its front, a rim formed on the side walls of said casing, a transparent window panel seated against and within said rim, a suction cup member secured by vacuum to the inside of said window panel and adapted to have an identification label interposed therebetween, a rigid stem, and a resilient split clamp carried by said stem and seated in said rim in abutting engagement with said window panel.

2,031,395
INTERNAL COMBUSTION ENGINE
Jesse G. Vincent, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 17, 1931, Serial No. 529,318
21 Claims. (Cl. 123—73)

1. In an in-line internal combustion engine, a cylinder having a combustion chamber therein, a piston in the cylinder having its head end forming one end of the combustion chamber, said piston head end having a recess extending thereacross in a diagonal direction to the sides of the



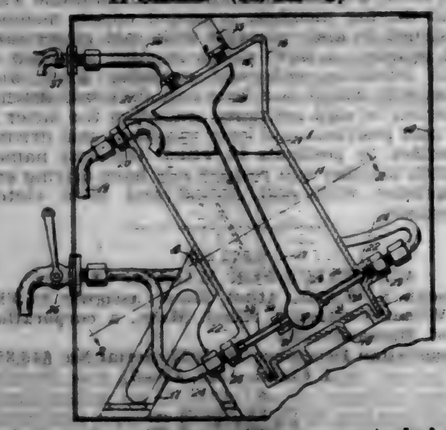
engine, and a cylinder head forming the other end of the combustion chamber.

2,031,396
TRAFFIC MARKER
August L. Voight, Lakewood, Ohio
Application February 3, 1934, Serial No. 709,630
2 Claims. (Cl. 94—1.5)



1. A traffic marker of the character described, comprising a securing stem and a head secured to the upper end thereof, said stem having at its lower end a transverse opening forming separated legs and downwardly convergent portions connecting the lower ends of said legs, said opening, legs, and convergent portions constituting means which automatically expands when the stem is driven into a pavement and provides an anchoring wedge for holding the stem in position in the pavement.

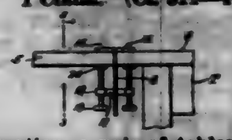
2,031,397
BEER COOLER
August L. Voight, Lakewood, Ohio
Application February 27, 1934, Serial No. 712,143
11 Claims. (Cl. 225—8)



1. A beer cooler comprising a receptacle having a portion at its upper end providing a gas chamber, a beer inlet pipe below said portion but adjacent to the upper end of the receptacle and shaped to direct the beer against the wall

of the receptacle, a beer outlet pipe adjacent the bottom of the receptacle, and a tube connected with said outlet pipe below the level of the beer inlet and extending into said gas chamber.

2,031,356
TABLE TOP EXTENSION CLAMP
Arthur F. Wagener, Excelsior Springs, Mo.
Application July 6, 1935, Serial No. 30,147
1 Claim. (Cl. 311—4)



In combination, a pair of tables including top panels, a top panel to be disposed in co-planar relationship with top panels of the tables, means whereby the second mentioned panel may be supported in co-planar relationship with the other panel, said means comprising a pair of clamps, each clamp comprising a plate having end members with oppositely disposed extensions to be placed over the panel, oppositely disposed brackets under the panels, and bolts engaged in the brackets to engage under the panels.

2,031,358
AUTOMOBILE POWER TAKE-OFF MECHANISM
Hollce N. White, Cameron, Mo.
Application February 16, 1934, Serial No. 711,476
8 Claims. (Cl. 74—11)



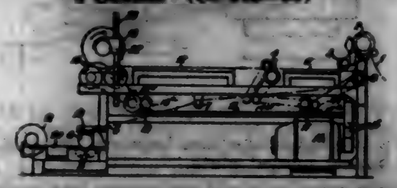
1. In an automobile power take off mechanism, the combination with the driving means and the propeller shaft of an automobile, of a rotary power take off member, supporting means rotatable by said driving means and adapted to swing to two positions, a driving member longitudinally slidable on and rotatable with said supporting means and movable to said two positions, a shifting lever, a clutch member on and rotatable with said driving member, a second clutch member fastened to and rotatable with said power take off member, a third clutch member attached to and rotatable with said propeller shaft, and means by which said lever can shift said driving member to said positions, and when the latter is in said positions said lever can move said driving member to positions in which the first named clutch member will respectively have driving engagement with said second and third clutch members.

2,031,360
APPARATUS FOR MAKING COMBS
Joseph S. Wilcox, Athol, Mass., assignor to The Wilcox Company, Athol, Mass., a corporation of Massachusetts
Application December 12, 1932, Serial No. 646,356
1 Claim. (Cl. 15—3)



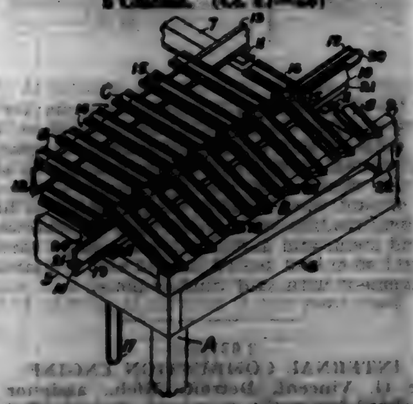
Apparatus for making a comb comprising a pair of dies having tooth recesses therein separated by intervening raised portions and a plurality of tooth-locating pins in one die positioned in said intervening raised portions and effective to hold the previously separated teeth of a comb blank in predetermined spaced positions prior to and during the application of the second die thereto, and said second die having corresponding openings in its intervening raised portions to receive said pins as said dies approach each other.

2,031,441
APPARATUS FOR SEVERING BIAS CUT FABRIC
Harry Willshaw, Wylde Green, and Harold Smith and Frank Arthur Davenport, Birmingham, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
Application July 8, 1935, Serial No. 30,504
In Great Britain May 10, 1934
5 Claims. (Cl. 242—59)



1. Apparatus for separating bias cut fabric into successive bias plies which comprises a feed roll, a pair of fabric engaging rolls in advance of said feed roll, means for rotatably supporting a supply roll of lining material, means for guiding said lining material from said supply roll below said bias cut fabric through said engaging rolls, means for reeling said lining material after passing through said engaging rolls, and means for driving said reeling means and said engaging rolls at a greater surface speed than said bias material feeding means.

2,031,442
SLAT HOUSE
Kirk Grove Wirick, Glendale, Calif., assignor to Lounsberry and Harris, Los Angeles, Calif., a corporation of California
Application March 20, 1935, Serial No. 12,017
5 Claims. (Cl. 47—38)



5. In a slat house: a roof frame including sloping grooved fixed rafters; sloping grooved movable rafters; spaced grooved slats on the rafters thus forming a sloping roof plane; one end of each slat pivoted to a fixed rafter and the other end pivoted to a movable rafter and means to shift the movable rafters parallel to the roof plane.

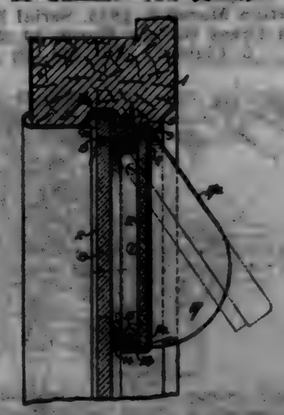
2,031,496
SULPHUR BURNER
Isaac Rapoport, New York, N. Y., assignor to Texas Gulf Sulphur Company, a corporation of Texas
Application March 13, 1935, Serial No. 10,528
5 Claims. (Cl. 23—179)



1. The method of producing sulphur dioxide which comprises spraying molten sulphur and oxygen in independently regulable quantities into a heated combustion chamber, simultaneously agitating the sulphur and oxygen to effect intimate mixing thereof, passing the resulting mixture along a tortuous path in the heated combustion chamber to oxidize the sulphur, and subsequently passing the mixture of gases through heated checkerbrick to cause intimate contact of the components of the mixture with heated solid surfaces.

2. Sulphur burning apparatus comprising a combustion chamber, means for introducing a stream of molten sulphur into the combustion chamber, means for directing a whirling current of air against the stream of molten sulphur to form a spray comprising an intimate mixture of finely divided sulphur and air, means for withdrawing gases from the combustion chamber, means defining a tortuous path of travel for gases within the combustion chamber adjacent the firing end, and means adjacent the discharge end for causing intimate contact of gases passing through the combustion chamber with heated solid surfaces.

2,031,494
VENTILATOR
Floyd E. Biggs, Detroit, Mich.
Application January 22, 1934, Serial No. 707,733
10 Claims. (Cl. 98—2)



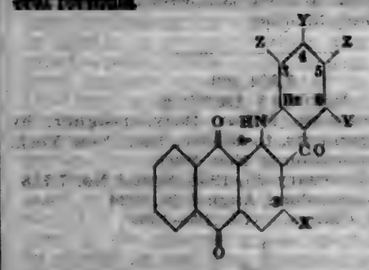
1. An arrangement of the character described comprising a window molding, a window movable therein, a ventilator pivoted adjacent the window, and fingers on the ventilator coacting with one window margin for moving the ventilator pivotally as the window is moved, said fingers being held between said window margin and the molding when the window is closed.

2,031,495
CASTOR MACHINE OILS
Arthur L. Blumel, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application July 22, 1933, Serial No. 681,717
7 Claims. (Cl. 87—9)

1. A castor machine oil comprising, a mineral oil, 0.1% to 5.0% of a mono lower alkyl ether of glycol and 1.0% to 5% of the aluminum soap of a higher saturated fatty acid of the group consisting of stearic acid and palmitic acid and behenic acid.

2,031,496
VAT DYESTUFFS OF THE ANTHRAQUINONE-2,1(N) BENZACRIDONE SERIES
Walter Brunk, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 5, 1933, Serial No. 650,948. In Germany January 19, 1932
6 Claims. (Cl. 260—37)

1. Vat dyestuffs of excellent fastness properties and tinctorial power corresponding to the general formula



in which X stands for halogen, and in which at least two of the positions marked Y and Z are substituted by halogen atoms, at least one of which stands in a position marked Y, said dyestuffs dissolving in concentrated sulphuric acid giving an orange to red coloration and giving a violet vat from which cotton is dyed orange to bluish-red shades.

2,031,497
FASTENER
Stanley E. Campbell, Saginaw, Mich., assignor to Germain Manufacturing Company, Saginaw, Mich., a corporation of Michigan
Application June 12, 1935, Serial No. 26,343
5 Claims. (Cl. 24—126)



1. A housing including spaced side walls and a curved cord guide between said walls, having in combination an elongated guide member spaced from and opposite said cord guide and positioned substantially upright, a jaw member slidably mounted for free movement lengthwise upon said elongated guide member and also capable of slight turning movements in relation thereto, said jaw member having a serrated working face.

2,031,408
CONTROL DEVICE
Lewis W. Eggleston, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application January 24, 1933, Serial No. 653,263
22 Claims. (Cl. 236—48)



1. A device of the character described, comprising a base member, a support mounted adjacent one end of and on said base member, a lever member carried by said support and movable relative to said base member, a contact member carried by said base member, a contact member carried by said lever member and cooperable with said first-named contact member, said lever member having an abutment, and a moisture responsive element positioned between said support and said abutment and operable upon variation of moisture content to move said lever member relative to said base member.

2,031,409
DISPLAY DEVICE
Raffaele Fioravanti, Milan, Italy, assignor, by mesne assignments, to Bialite, Inc., New York, N. Y., a corporation of New York
Application February 23, 1935, Serial No. 7,758
In Luxemburg August 20, 1934
5 Claims. (Cl. 40—130)

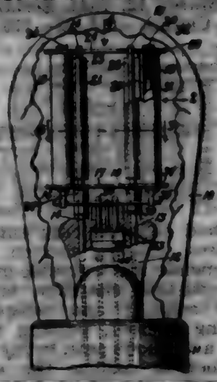


1. In a display device of the type described, a hollow translucent display element containing a liquid having an ornamental substance therein, an upwardly extending vaporizing chamber adjacent the lower portion of said element, a passageway between said chamber and the interior of said element, and means for establishing an oscillating liquid-vapor interface in said passageway, whereby deposits of said substance may be removed from said passageway and retained in said liquid.

2,031,410
PURIFICATION OF GAS FROM OXIDES OF NITROGEN
Walter H. Fulweiler, Wallingford, Pa., assignor to The United Gas Improvement Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 16, 1933, Serial No. 689,797
6 Claims. (Cl. 23—3)

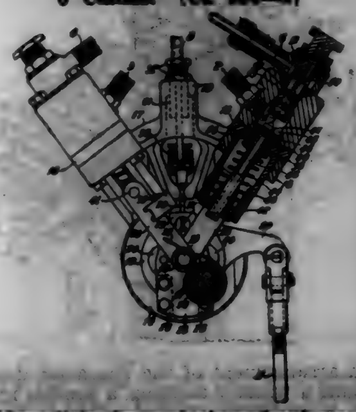
1. In the purification of commercially distributable, manufactured gas from oxides of nitrogen by contact with a metallic sulphide or sulphides, the method of maintaining the efficiency of the sulphide or sulphides for the complete removal of oxides of nitrogen which comprises removing substantially all of the oxygen content of the gas prior to contacting the gas with the sulphide or sulphides.

2,031,411
RECTIFIER
William M. Fury, Philadelphia, Pa.
Application March 20, 1933, Serial No. 661,488
5 Claims. (Cl. 250—27.5)



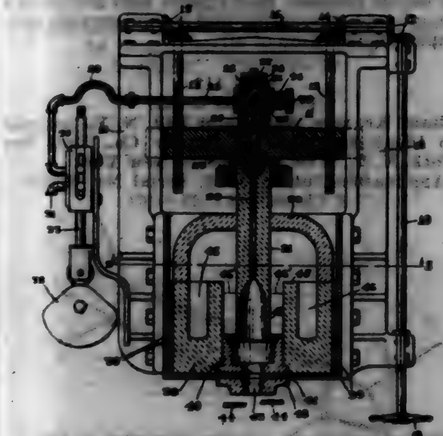
1. A tube type rectifier comprising a plate bent to form a hollow chamber, a pair of cathodes mounted within the chamber and spaced apart, said cathodes comprising metallic sleeves filled by insulating material having longitudinal passages therethrough, filaments extending through one of said passages and bent back upon itself and extended beyond the same end of said insulator, one of said extended ends being connected with an extended end of the other of said filaments, the other ends of said filaments being electrically connected with the sleeves, and conductors leading into said tube and connected with said opposite ends of the filaments.

2,031,412
AIRCRAFT BRAKE CONTROL MECHANISM
Ernest Frederick Goodyear, Mexhall Part, Wishaw, and Joseph Wright, Stoke Part, Coventry, and Henry Trevaskis, Keresley, Coventry, England, assignors to Dunlop Rubber Company Limited, London, England, a British company
Application March 9, 1935, Serial No. 10,144
In Great Britain March 14, 1934
6 Claims. (Cl. 244—2)



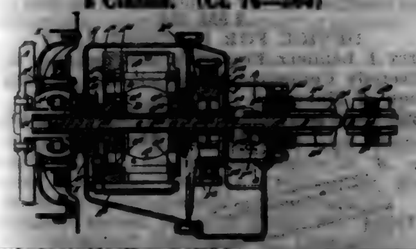
1. Aircraft brake control mechanism comprising a plurality of fluid pressure control relays, a pair of spaced guides, actuating means slidable between and guided by said guides, [illegible] connecting said actuating means to said brake mechanism, means to rotate said guider as a unit on an axis perpendicular to the plane of movement of said links, means extending between the guides perpendicular to said axis of rotation of said guides for moving said actuating means, and comprising flexible elements, spaced spindles slidable in said guides, an abutment spindle connected to said flexible elements, a pair of plates carrying said abutment spindle and in which one end of one of each of the spaced spindles is fastened to move between lateral guideway surfaces of said guides.

2,031,413
GLASS FEEDING DEVICE
John William Hamilton, Brockway, Pa.
Application March 16, 1934, Serial No. 715,993
3 Claims. (Cl. 49—55)



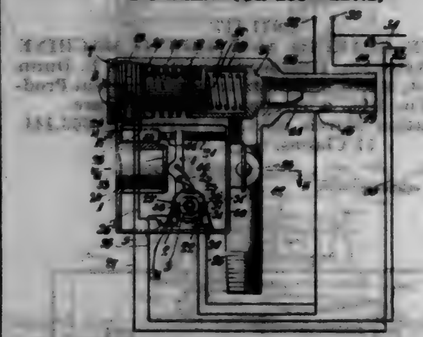
1. A glass feeding device comprising a forehearth having a discharge opening therefrom, a tubular needle associated with said discharge opening, a chamber in communication with the tube of said needle, means adapted to project air under pressure across said chamber to entrain air from the tubular part of the needle, and means to vary the distance of projection.

2,031,414
POWER TRANSMISSION MECHANISM
Howard Frederick Hobin, Leamington Spa, England
Application December 31, 1934, Serial No. 759,965
In Great Britain December 29, 1933
3 Claims. (Cl. 74—264)



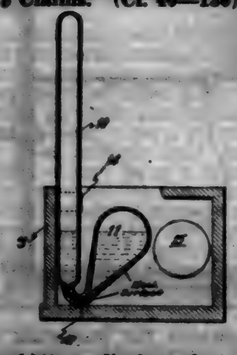
1. Automatically variable power transmission comprising a driving shaft, a driven element, a rotatable member, means connecting said member to said element, means to prevent rotation of said member in one direction, a plurality of rotatable elements comprising cranks associated with said driving shaft, a set of planetary weights carried on said rotatable elements, and means operatively connecting said rotatable elements to said rotatable member.

2,031,415
SAFETY DEVICE FOR GAS RANGES, GAS BOILERS, ETC.
Willy Kalz, New York, N. Y.
Continuation of application Serial No. 536,243, April 15, 1931. This application August 12, 1932, Serial No. 628,909
1 Claim. (Cl. 158—117.1)



A safety device for gas stoves comprising a gas burner, an electromagnetically controlled cut-off valve controlling the supply of gas to said burner, an igniter, a circuit in which said igniter is located, a push button operating a spring controlled lever, contact wheels operated by said lever to close said igniter circuit to glow said igniter, the spring of said lever returning the same into its original position after each operation by said button, for opening the igniter circuit, a thermostat and a circuit in which said thermostat is located to be closed upon the closure of said igniter circuit to heat the thermostat by the heat developed by the glowing igniter upon the closure of its circuit by said lever operated contact wheels, an electromagnet in said thermostat circuit to be energized upon the closure of this circuit to open the valve for supplying gas to said burner, and to be de-energized upon the extinguishing of the burner flame and consequent cooling off of the thermostat, and springs for moving the valve mechanically into its gas supply cutting off position.

2,031,416
DISPLAY DEVICE
Alfonse Kaufman, Long Beach, N. Y., assignor, by mesne assignments, to Bialite, Inc., New York, N. Y., a corporation of New York
Application May 31, 1935, Serial No. 24,242
5 Claims. (Cl. 40—130)



4. In a bubbling display device, a hollow translucent display character, a liquid contained in said device, a vapor chamber extending upwardly adjacent the lower end of said character,

2,031,408
CONTROL DEVICE
Lewis W. Eggleston, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application January 24, 1933, Serial No. 653,263
22 Claims. (Cl. 200—52)



1. A device of the character described, comprising a base member, a support mounted adjacent one end of and on said base member, a lever member carried by said support and movable relative to said base member, a contact member carried by said base member, a contact member carried by said lever member and cooperable with said first-named contact member, said lever member having an abutment, and a moisture responsive element positioned between said support and said abutment and operable upon variation of moisture content to move said lever member relative to said base member.

2,031,409
DISPLAY DEVICE
Raffaele Fioravanti, Milan, Italy, assignor, by mesne assignments, to Bielite, Inc., New York, N. Y., a corporation of New York
Application February 21, 1935, Serial No. 7,758
In Luxemburg August 20, 1934
5 Claims. (Cl. 40—139)

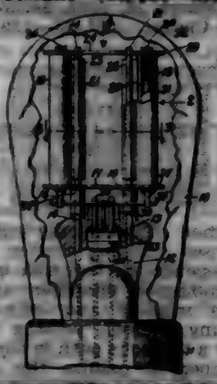


1. In a display device of the type described, a hollow translucent display element containing a liquid having an ornamental substance therein, an upwardly extending vaporizing chamber adjacent the lower portion of said element, a passageway between said chamber and the interior of said element, and means for establishing an oscillating liquid-vapor interface in said passageway, whereby deposits of said substance may be removed from said passageway and retained in said liquid.

2,031,410
PURIFICATION OF GAS FROM OXIDES OF NITROGEN
Walter H. Fulweiler, Wallingford, Pa., assignor to The United Gas Improvement Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 16, 1933, Serial No. 689,797
6 Claims. (Cl. 23—3)

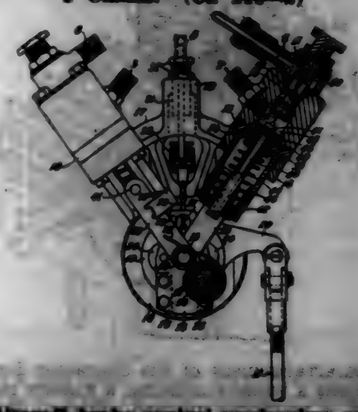
1. In the purification of commercially distributable, manufactured gas from oxides of nitrogen by contact with a metallic sulphide or sulphides, the method of maintaining the efficiency of the sulphide or sulphides for the complete removal of oxides of nitrogen which comprises removing substantially all of the oxygen content of the gas prior to contacting the gas with the sulphide or sulphides.

2,031,411
RECTIFIER
William M. Flory, Philadelphia, Pa.
Application March 28, 1931, Serial No. 524,423
5 Claims. (Cl. 176—27.5)



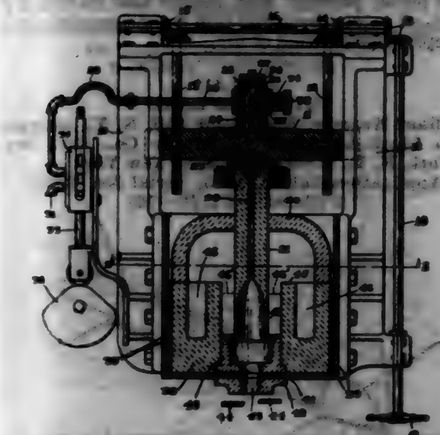
1. A tube type rectifier comprising a glass bent to form a hollow chamber, a pair of cathodes mounted within the chamber and spaced apart, said cathodes comprising metallic sleeves filled by insulating material having longitudinal passages therethrough, filaments extending through one of each of said passages and bent back upon itself and extended beyond the same end of said insulator, one of said extended ends being connected with an extended end of the other of said filaments, the other ends of said filaments being electrically connected with the sleeves, and conductors leading into said tube and connected with said opposite ends of the filaments.

2,031,412
AIRCRAFT BRAKE CONTROL MECHANISM
Ernest Frederick Goodyear, Meriball Park, Wishaw, and Joseph Wright, Stoke Park, Coventry, and Henry Trevaskis, Keresley, Coventry, England, assignors to Dunlop Rubber Company Limited, London, England, a British company
Application March 8, 1934, Serial No. 10,144
In Great Britain March 14, 1934
6 Claims. (Cl. 244—3)



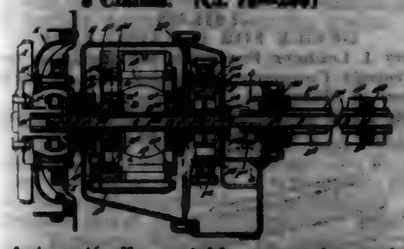
1. Aircraft brake control mechanism comprising a plurality of fluid pressure control relays, a pair of spaced guides, actuating means slidable between and guided by said guides, links connecting said actuating means to said brake mechanism, means to rotate said guides as a unit on an axis perpendicular to the plane of movement of said links, means extending between the guides perpendicular to said axis of rotation of said guides for moving said actuating means, and comprising flexible elements, spaced spindles slidable in said guides, an abutment spindle connected to said flexible elements, a pair of plates carrying said abutment spindle and in which one end of one of each of the spaced spindles is fastened to move between lateral guideway surfaces of said guides.

2,031,413
GLASS FEEDING DEVICE
John William Hartley, Stourbridge, Pa.
Application March 19, 1934, Serial No. 716,581
2 Claims. (Cl. 49—55)



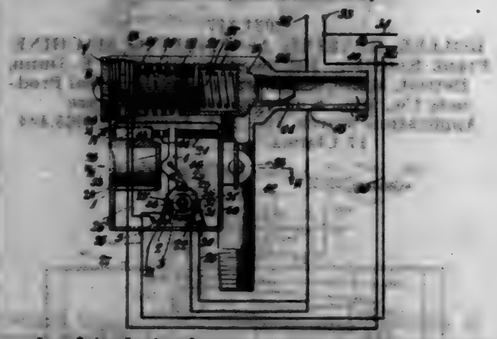
1. A glass feeding device comprising a forehearth having a discharge opening therefrom, a tubular needle associated with said discharge opening, a chamber in communication with the tube of said needle, means adapted to project air under pressure across said chamber to entrain air from the tubular part of the needle, and means to vary the distance of projection.

2,031,414
POWER TRANSMISSION MECHANISM
Howard Frederick Hobbs, Leamington Spa, England
Application December 31, 1934, Serial No. 759,585
In Great Britain December 29, 1933
8 Claims. (Cl. 74—240)



1. Automatically variable power transmission comprising a driving shaft, a driven element, a rotatable member, means connecting said member to said element, means to prevent rotation of said member in one direction, a plurality of rotatable elements comprising cranks associated with said driving shaft, a set of planetary weights carried on said rotatable elements, and means operatively connecting said rotatable elements to said rotatable member.

2,031,415
SAFETY DEVICE FOR GAS RANGES, GAS BOILERS, ETC.
Willy Katz, New York, N. Y.
Continuation of application Serial No. 530,981, April 15, 1931. This application August 12, 1933, Serial No. 684,946
1 Claim. (Cl. 158—117.1)



A safety device for gas stoves comprising a gas burner, an electromagnetically controlled cut-off valve controlling the supply of gas to said burner, an igniter, a circuit in which said igniter is located, a push button operating a spring controlled lever, contact wheels operated by said lever to close said igniter circuit to glow said igniter, the spring of said lever returning the same into its original position after each operation by said button, for opening the igniter circuit, a thermostat and a circuit in which said thermostat is located to be closed upon the closure of said igniter circuit to heat the thermostat by the heat developed by the glowing igniter upon the closure of its circuit by said lever operated contact wheels, an electromagnet in said thermostat circuit to be energized upon the closure of this circuit to open the valve for supplying gas to said burner, and to be de-energized upon the extinguishing of the burner flame and consequent cooling off of the thermostat, and springs for moving the valve mechanically into its gas supply cutting off position.

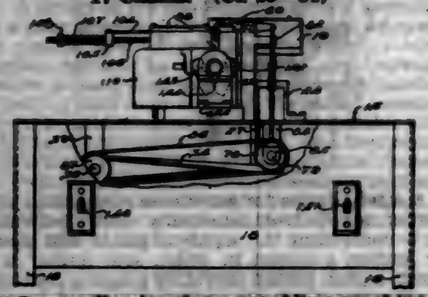
2,031,416
DISPLAY DEVICE
Alfonse Kaufman, Long Beach, N. Y., assignor, by mesne assignments, to Bielite, Inc., New York, N. Y., a corporation of New York
Application May 31, 1935, Serial No. 24,242
5 Claims. (Cl. 40—139)



4. In a bubbling display device, a hollow translucent display character, a liquid contained in said device, a vapor chamber extending upwardly adjacent the lower end of said character,

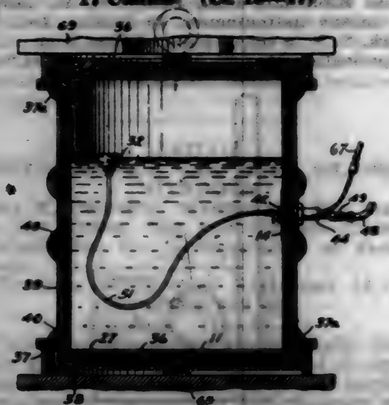
a passageway of substantially smaller cross section than the interior of said character, said passageway extending between said vapor chamber and the interior of said character, and means for generating vapor pressure in said character whereby a succession of bubbles rises through the liquid in said character.

2,031,417
ROLLER BEARING ASSEMBLING MACHINE
Frank Ketelsen, Dearborn, and George E. Dunn, Detroit, Mich., assignors to The Universal Products Co., Inc., a corporation of Delaware
Application March 30, 1933, Serial No. 663,444
17 Claims. (Cl. 29—84)



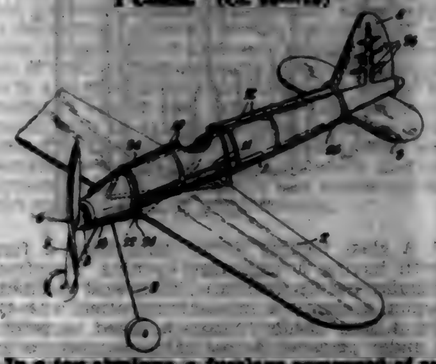
1. In a roller bearing assembling machine, a rotatable and axially reciprocable mandrel, means for supplying rollers to the mandrel, means for rotating the mandrel to cause a plurality of rollers to encircle the same, means for moving the mandrel axially in one direction to move the rollers grouped thereabout to a bearing member, stripper blades operatively associated with the mandrel, means for moving the blades toward the mandrel for engagement back of the rollers thereon and means for moving the mandrel axially in the opposite direction for stripping therefrom the rollers engaged by the blades.

2,031,418
APPARATUS FOR MAKING CONTAINERS
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 19, 1934, Serial No. 753,728
17 Claims. (Cl. 18—17)



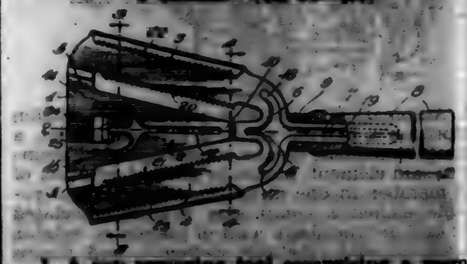
11. In apparatus for producing non-metallic containers of vulcanizable material, the combination with a container enclosing mold, of a heater of the pot type having a chamber for receiving said mold, and means for introducing liquid into and exhausting air from the enclosed container, said means comprising a float insertable into the container through the container, a member extendible through said mold into the interior of the container and arranged to have sealed engagement with the container, said member having an inlet passage and an outlet passage extending therethrough, a flexible conduit carried by said float and in communication with said outlet passage, a second conduit in communication with said outlet passage and opening to the atmosphere through said heater, and means extending through said heater and communicating with said inlet passage for introducing liquid into the container, said float being supported by the rising liquid to permit air above the liquid to exhaust from within the container through said conduits and outlet passage, said means also including a shut-off valve for closing said second conduit upon complete exhaustion of air.

2,031,419
TOY AIRPLANE
William Kramer, Richmond Hill, N. Y., assignor to Ideal Aeroplane & Supply Co., Inc., New York, N. Y., a corporation of New York
Application July 2, 1935, Serial No. 29,595
1 Claim. (Cl. 46—73)



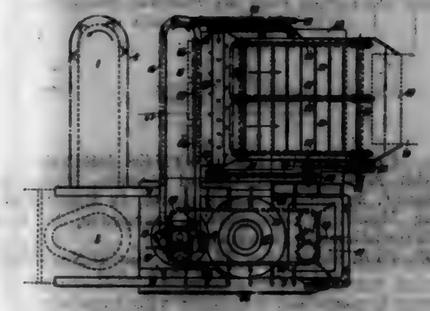
In a toy airplane, a fuselage composed of relatively stiff sheet material shaped and moulded in hollow form and having its meeting edges presenting flanges and secured together, the flanges at the upper rear portion of said fuselage being extended and shaped to form a vertical stabilizer of double thickness with walls in immediate contact to afford increased rigidity, the flanges and stabilizer being in the same plane.

2,031,420
DEVICE FOR OPENING JARS
Harry J. Lehberg, Frederick, Md., assignor to The Eveready Company, Frederick, Md., a corporation of Maryland
Application September 1, 1932, Serial No. 630,853
6 Claims. (Cl. 81—3.1)



1. A cap removing tool comprising a member including a pair of side portions tapered toward each other and laterally extending end portions interconnecting opposite ends of said side portions, and teeth formed on the opposite peripheral edges of each of said side portions, the teeth on the outer peripheral edges of said side portions being directed toward each other and extending in a plane offset from the plane of the teeth formed on the inner peripheral edges of said side portions, and one of said laterally extending end portions being offset in a plane removed from the planes of said side portions and the peripheral edges thereof.

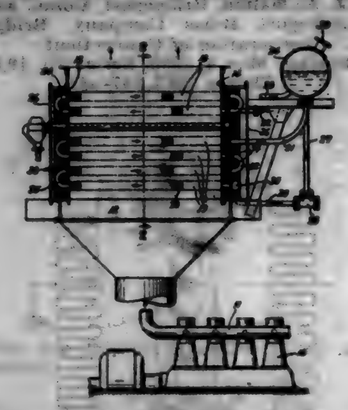
2,031,421
ATTACHMENT FOR MINING MACHINES
William Archibald Legath, Kinghorn, Fife, Scotland
Application April 2, 1935, Serial No. 14,196
In Great Britain April 6, 1934
2 Claims. (Cl. 262—30)



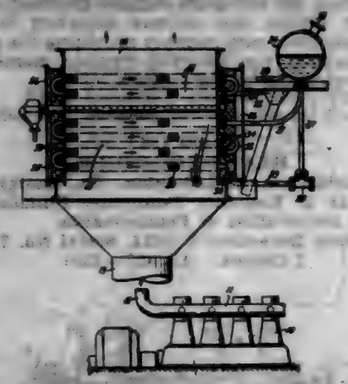
1. For a longwall mining machine having a horizontally disposed cutter element and a face conveyor, an attachment including a horizontally disposed cutter element adapted to make an incision in a mine seam above the incision made by the cutter element of the mining machine, an upright shearing cutter element adapted to make an upright incision in the seam between the inner ends of the said first and second mentioned incisions, means for loading the mined material on to the face conveyor, haulage means for imparting feeding movement to the mining machine and the attachment, means for removing cuttings from the cutter element of the mining machine, a driving motor, and speed-reducing gearing for transmitting power from said motor to the said second and third mentioned cutter elements and to said loading, haulage and removing means.

2,031,422
POWER PLANT
James Black Halsted, Brooklyn, N. Y., John Thomas Welsh, Ridgeway, Pa., and Walter Francis Keenan, Jr., Pelham Manor, N. Y., assignors to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application March 15, 1929, Serial No. 347,434
Renewed September 17, 1932
13 Claims. (Cl. 122—7)

1. An exhaust muffler comprising wall structure forming a gas tight chamber and a plurality of spaced rows of tubes containing water disposed transversely to the flow of gases through said chamber having outwardly tapering cast iron fins thereon, joints between said tubes outside said wall structure, adjacent tubes of a row being so closely spaced that the fins are almost in contact to provide a series of restrictions between said fins to deflect the flow of gas, and said tubes and wall structure being so arranged and constructed as to prevent access of gases from said chamber to said joints.

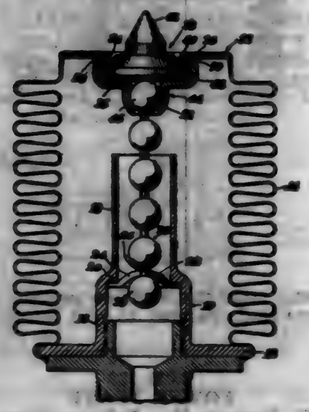


2,031,423
POWER PLANT
Walter F. Keenan, Jr., Pelham Manor, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Original application March 15, 1929, Serial No. 347,434. Divided and this application October 12, 1934, Serial No. 748,143
9 Claims. (Cl. 122—355)



1. A boiler comprising walls forming a heating zone, a plurality of horizontally disposed tubes in said heating zone arranged one above the other, connections between said tubes outside said heating zone for flow of water and steam from each tube to the next higher tube, a steam and water drum outside said heating zone and disposed above the highest of said tubes, a connection outside said heating zone between the highest of said tubes and the bottom part of said steam and water drum, a down-comer connection outside said heating zone between the water space of said steam and water drum and the lowest of said tubes, a fixed orifice member in said down-comer connection proportioned to supply water to said tubes only slightly in excess of the amount of steam generated for stabilizing circulation at high ratings, and said down-comer connection extending below the lowest of said tubes and having an upwardly extending unheated portion for preventing reversal of circulation at low ratings.

2,031,454
FLEXIBLE INTERNAL STOP
Joseph J. McMahon, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application May 4, 1935, Serial No. 19,814
7 Claims. (Cl. 297—8)



6. A thermostat bellows and the like having within it a laterally-flexible, lengthwise-inextensible member connecting the movable end of the bellows with its base, said movable bellows-end having an inwardly cupped portion; and a member within the bellows attached to said cupped portion, said member providing the means for attaching the laterally-flexible member to the movable end of the bellows.

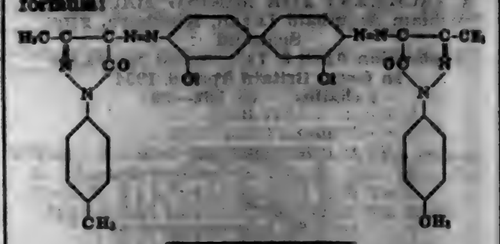
2,031,455
HEAT EXCHANGER
Karl Muhlstein, Philadelphia, Pa., assignor to Schutte & Koerting Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 1, 1934, Serial No. 755,671
2 Claims. (Cl. 257—239)



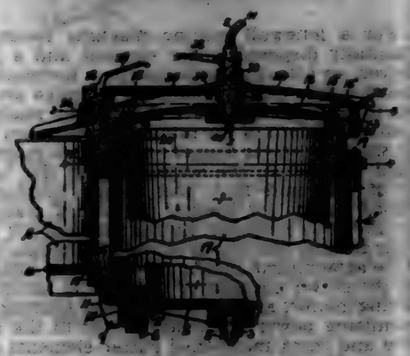
1. A heat exchanger comprising in combination, a casing, a plurality of aligned tubes within said casing, an inner tube sheet carried by said tubes and movable relative to said casing, an inner head having a domed portion spaced from said inner tube sheet and opposite said tubes and having a peripheral flange thereon forming a joint with said inner tube sheet, an annular groove formed in said joint between said tube sheet and said inner head and encircling the ends of said tubes, a pipe forming a drain from said groove and extending through said casing, and a gland sealing said pipe to said casing where said pipe passes through said casing and affording limited movement to said pipe relative to said casing.

2,031,456
DISAZO DYESTUFF
Georg Niemann, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Work, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 16, 1935, Serial No. 21,941. In Germany June 2, 1934
1 Claim. (Cl. 260—44.5)

The disazo dyestuff corresponding to the formula:



2,031,457
CENTRIFUGAL CLOTHES DRIER
Walter A. Papworth, Grand Rapids, Mich., assignor, by mesne assignments, to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application September 10, 1932, Serial No. 632,356
20 Claims. (Cl. 210—76)



1. In an apparatus for the purpose set forth, a vertically disposed revoluble receptacle forming a combined rinsing and drying chamber, an adjustable drain board, means carried at the top of the receptacle to permit of adjustably positioning said board circumferentially with respect to the receptacle for directing the overflow from said chamber to the point desired.

2,031,458
BOAT HULL STRUCTURE
Earl J. W. Ragsdale, Norristown, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 12, 1932, Serial No. 610,788
14 Claims. (Cl. 114—66.5)

1. In combination, in a step-bottom boat structure, sheathing having upper and lower steps and a riser, a bulkhead in parallel inside relation

forcing relation to the riser and projecting to a position thereabove, and braces subtending the



angles between the bulkhead and each of the steps.

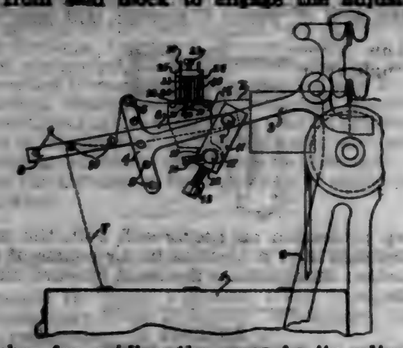
2,031,459
EYELET SOCKET
Herman Reiter, Brooklyn, N. Y.
Application January 10, 1935, Serial No. 1,665
10 Claims. (Cl. 24—216)



1. A separable snap fastener socket comprising stud-engaging and receiving members adapted to be arranged on one face of a sheet of material and an exposed centrally apertured clinching member adapted to be arranged on the other face of the sheet of material, said stud-engaging and receiving members comprising an outer socket member having a centrally arranged bell-shaped portion, a flanged portion surrounding the outer bell-shaped portion and an eyelet portion of less diameter than and projecting from and arranged coaxially with the bell-shaped portion, and an inner stud-receiving and bracing member having a flange coextensive with and projecting inwardly of said flanged portion and having an integral wall entering the bell-shaped portion and terminating in an open end portion in contact with and bracing said bell-shaped portion, said clinching member being provided with a recessed portion surrounding the aperture therein for the reception of the outermost extremity of the eyelet portion whereby the eyelet portion may be passed through the aperture of the clinching member for direct access thereto and bent on to the clinching member and into the recessed portion to secure said members to the sheet with said outermost extremity exposed.

2,031,460
THREAD TENSIONING ATTACHMENT FOR TEXTILE MACHINES
Richard Schletter, North Wales, Pa.
Application September 19, 1934, Serial No. 744,618
6 Claims. (Cl. 66—144)

1. A thread tensioning and guiding attachment for simultaneously and uniformly controlling a plurality of threads in a textile knitting machine, comprising a fixed support block carrying in relatively spaced relation a plurality of rods adapted to receive the threads thereover, a member positioned above said block carrying a plurality of rods in suspension between the rods carried by said block and above the threads, a screw threaded element rotatably mounted in said block and having screw threaded engagement with said member, whereby to displace the latter for adjustment relative to the block, and a pin on each side of said screw threaded element and extending from said block to engage the adjustable

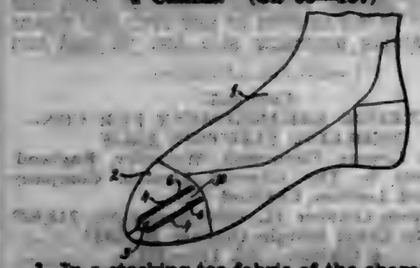


member for guiding the same in its adjusting movement.

2,031,461
QUENCHING OILS
George Chapelier Shepherd, Jr., Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application January 9, 1933, Serial No. 650,263
3 Claims. (Cl. 148—13)

1. A method of quenching metals which comprises immersing the heated metal in a heavy cracked hydrocarbon oil fraction, said oil being characterized by having a flash point of 250° F. or higher and a viscosity of between 75 to 200 seconds, Saybolt Universal at 100° F.

2,031,462
HOSIERY TOE FABRIC
Dietz Sickerett, Philadelphia, Pa.
Application October 26, 1935, Serial No. 46,889
4 Claims. (Cl. 66—187)

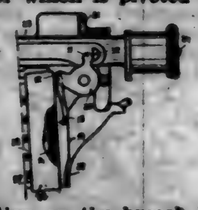


1. In a stocking toe fabric of the character described, a toe gore including a panel consisting entirely of closely knitted loops, a ridge consisting of overlapping loops and bordering each side of said panel walewise of the fabric, and a wale of dropped stitches forming a single row of openings disposed adjacent and in paralleling relation to each ridge.

2,031,463
AMMUNITION LOADING DEVICE WITH CHAIN CONVEYER FOR SMALL-ARMS
Giulio Sessa, Turin, Italy
Application June 19, 1934, Serial No. 731,246
In Italy June 26, 1933
6 Claims. (Cl. 42—6)

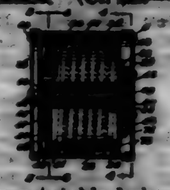
1. In combination with an automatic small-arm an ammunition loading device comprising, in combination with a breech bolt, an endless band conveyer for feeding the cartridges, ratchets secured to said band, one for each cartridge,

a pawl adapted to engage said ratchets to push the endless band conveyer forward, a crank lever, on one arm of which is pivoted said pawl and



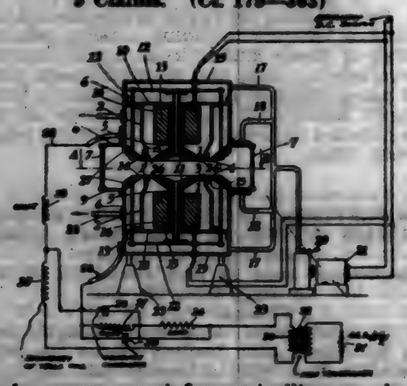
a stop projection on the breech bolt, the other arm of said lever projecting in the course of said projection thus pushing the band forward during recoil.

2,031,434
CONDUCTOR REEL
Isaac Stern and Leah Shoolhoff, Brooklyn, N. Y.; said Shoolhoff assignor to said Stern
Application May 18, 1934, Serial No. 725,336
10 Claims. (Cl. 242—107)



1. In a reel; a rotatable hub; a drum secured to and rotatable with said hub; a conductor wound on said drum; a first and second plate secured to and at one end of said hub and forming therebetween a chamber; said first plate having a radial slot extending from its periphery to said hub for admitting the conductor wound on the drum into said chamber; a removable casing for said reel; removable end covers for engaging said casing; an opening in said casing for providing a passage for said conductor from said chamber to the exterior of said reel; and means for rotatably mounting said hub on said end covers.

2,031,435
ELECTRODE ARRANGEMENT FOR CONTROLLING ELECTRIC ARCS
William George Thompson, Wembley, England, assignor to The General Electric Company Limited, London, England
Application October 12, 1934, Serial No. 748,022
In Great Britain October 16, 1933
5 Claims. (Cl. 175—363)



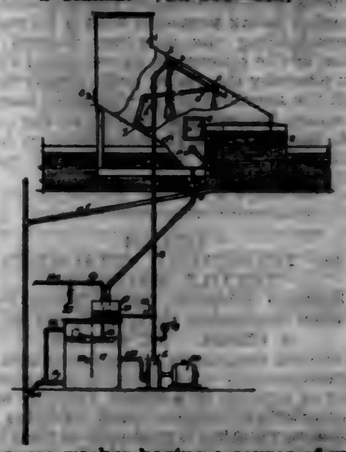
1. An arrangement for controlling an electric arc fed from an alternating current supply, comprising in combination a pair of opposed electrodes, each of said electrodes having a long but narrow working face, nozzle elements on each side of the respective working faces and separated therefrom by narrow ducts, means for causing a flow of cooling fluid past the working faces of the electrodes and on opposite sides thereof through said ducts and cooperating magnet members arranged to produce a magnetic flux component across the respective working faces for causing movement of the arc along said working faces.

2,031,436
TURBINE-DRIVEN VESSEL
Hans Thormeyer, Berlin, Germany
Application July 18, 1933, Serial No. 680,841
In Germany July 18, 1931
9 Claims. (Cl. 115—34)



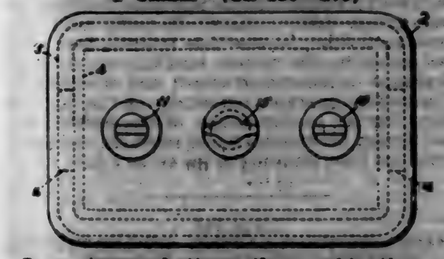
4. In water craft, in combination, a hull having a compartment closed at its sides, top, front and rear and open at its bottom, the open bottom of said compartment being disposed substantially at the level of the water line of the hull, a bladed propeller wheel disposed within said compartment for rotation in a plane at substantially right angles to the longitudinal axis of the hull, the axis of said wheel being disposed above the water line so that only the blades at the lower side of the wheel are immersed, and means for rotating said wheel.

2,031,437
GAS WASHER
Thomas C. Vincent, Jr., New Canaan, Conn., assignor to The Fred'k Page Contracting Co., New York, N. Y., a corporation of New York
Application February 21, 1933, Serial No. 657,522
2 Claims. (Cl. 261—112)



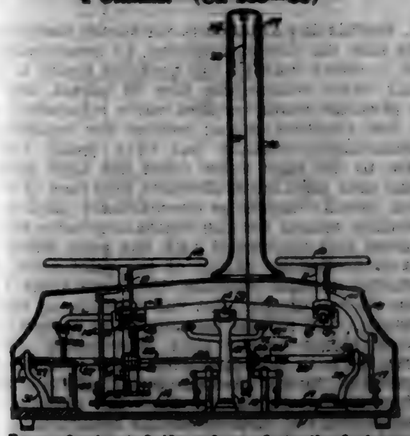
1. In a gas washer having a source of water, a water reservoir, and means for recirculating the water from the reservoir so that only sufficient water is drawn from the source to compensate for that evaporated by the heat of the gas being washed: the combination of, a water-tight box having an inlet for unwashed gas at one end and an exit for washed gas at the other end, a trough arranged in the lowest part of said box, a plurality of nozzles arranged to discharge generally crosswise of said box, baffles in the box arranged so as to direct gas through the spray from the nozzles and disposed generally parallel with the direction of discharge of the nozzles, another nozzle arranged adjacent said trough so as to wash precipitate into said trough, means for removing liquid and precipitate from the bottom of said trough, and an overflow connection for said trough adjacent to but spaced above the bottom of said trough.

2,031,438
GLASS JAR AND COVER FOR STORAGE BATTERY CELLS
Curtis C. Wallace, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application June 26, 1935, Serial No. 28,432
1 Claim. (Cl. 136—170)



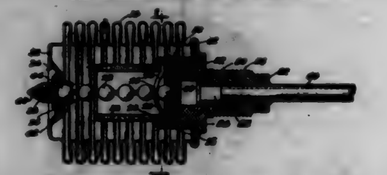
In a storage battery, the combination of, a glass jar and a glass cover from which plate structures are suspended in the jar, with raised glass pads interposed between the under face of the cover and the top of the wall of the jar and arranged transversely of a line passing through both points of application of the weight of the plate structures to the glass cover to bring the supporting point of the cover as close as possible to the points where the weight of the plate structures is applied.

2,031,439
WEIGHING SCALE
Foster V. Waltz, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application April 15, 1935, Serial No. 16,289
4 Claims. (Cl. 265—58)



1. In a device of the class described, in combination, a lever oscillatively mounted thereon, load and counterpoise receptacle mounted upon free ends of said lever, torsional resistance means upon said base and below said lever and extending parallel to the longitudinal axis of said lever, said torsional resistance means having an indicator connected thereto and connecting means connected to one of said receptacles and to said torsional resistance means whereby movement proportional to the weight of a load on said receptacle is transmitted to said indicator and means including an index to cooperate with said indicator for indicating the condition of equipoise of said lever.

2,031,440
BELLOWS THERMOSTAT WITH FLEXIBLE CONNECTING MEANS
Marshall H. Ward, Fairfield, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application July 27, 1933, Serial No. 682,379
10 Claims. (Cl. 237—3)



1. A device of the character described, including, in combination, a base member having a sleeve provided with a shoulder, a washer mounted within said sleeve and adapted to abut said shoulder, a bellows member on said base member, a flexible member secured at one end to said washer and at its other end to said bellows member for limiting the expansion movement of said bellows member.

2,031,441
RADIO SIGNALING APPARATUS
John C. Warner, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 8, 1929, Serial No. 345,498
14 Claims. (Cl. 250—27)

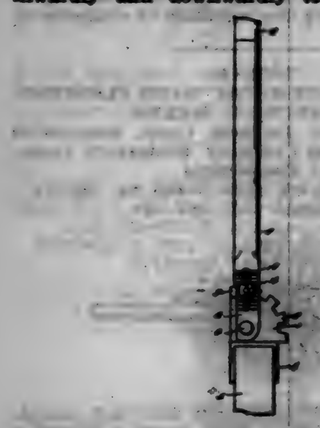


1. The combination with an electric discharge device having a control grid, an anode and a cathode, and means providing an anode voltage and a normal static negative bias voltage for said grid, said voltages being of such values that said device operates as a bias detector for substantially maximum rectification, of means connected in series with said grid and said first-named bias means for applying an additional negative bias voltage to said grid in a direction to add to the normally applied bias voltage in response and proportional to the amplitude of an impressed carrier wave, to increase the detector efficiency of said device in response to an increase in the amplitude of said wave.

2,031,442
ADJUSTABLE HANDLE
Alphaus Weber, Syracuse, N. Y.
Application June 27, 1935, Serial No. 28,744
1 Claim. (Cl. 296—12)

In a device of the class described, a head of segmental shape and having teeth formed on its

curved wall, the spaces between the teeth being of substantially wedge-shape, a handle having a forked end with the prongs straddling the head and pivoted thereto, said handle having a slot passing therethrough at right angles to the space between the prongs with the lower part of the slot intersecting said space, an elongated block slidably arranged in the slot and having the upper portion of its sides straight to engage the side walls of the slot with the rest of the sides sloping inwardly and downwardly to form a wedge-



shaped part for engaging a wedge-shaped space between a pair of teeth, the ends of the block being reduced and projecting from the slot, a head connected with one reduced end for engaging a side of the handle, the other reduced end being threaded, a washer on said threaded part for engaging an opposite side of the handle, and a nut on the threaded part and contacting the washer, and said sides of the handle being corrugated and the head on the reduced end of the block and the washer being corrugated to engage the corrugated parts of the handle.

2,031,443

METHOD OF PRODUCING CREAMERY PRODUCTS

Herman D. Wendt, West Chester, Pa., assignor to Milk Processes, Inc., Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application September 24, 1934, Serial No. 745,347

5 Claims. (Cl. 99—11)

1. The method of converting plastic cream having a butter fat content of over 65% into a liquid creamery product containing butter fat in the dispersed phase which comprises adding a liquid to said plastic cream and agitating the cream in contact with said liquid while maintaining the cream and liquid at a temperature below 50° F.

2,031,444

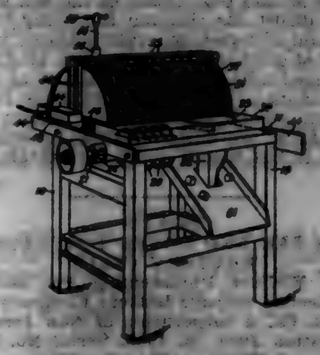
CUTTING MACHINE

Arthur C. Whiting, Mount Vernon, N. Y.

Application January 19, 1935, Serial No. 2,570

20 Claims. (Cl. 143—32)

16. In a machine for cutting a block into pieces, in combination, a movable table top section, a cutter guard movable with respect to said section and with respect to which said section is also movable, said guard being adapted to receive therein resting on said section a block to be cut, said section being movable to change the position of said block, and means carried by said guard and movable with respect thereto for the purpose of turning said block while resting on said top section.



20. In an ice cube cutting machine, independent power driven cutters spaced laterally with relation to each other, a movable cutter guard at all times enclosing the cutters and the ice to be cut, and means to move said guard and the ice to be cut manually operable exteriorly of the guard to subject the ice to the action of the cutters, said guard being provided with a movable section to permit the insertion of the ice to be cut.

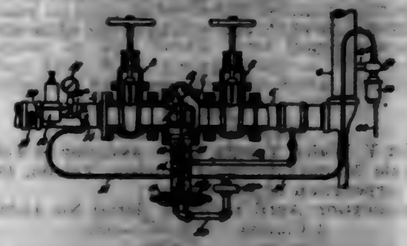
2,031,445

AUTOMATIC REGULATING APPARATUS FOR STEAM HEATING SYSTEMS

Edgar C. Wiley, Lynchburg, Va., assignor to Simplex Heating Specialty Company, Inc., Lynchburg, Va., a corporation of Virginia

Original application June 15, 1930, Serial No. 460,952. Divided and this application June 14, 1932, Serial No. 617,136

6 Claims. (Cl. 236—20)



1. Regulating apparatus for steam heating systems and the like comprising, in combination, a high pressure main; a low pressure main; a regulating valve controlling flow of steam into the low pressure main; a pilot valve connected with the low pressure main; means for supplying a substantially constant but very small flow of steam to the pilot valve from the high pressure main; said pilot valve stopping said flow of steam when closed; means to operate said pilot valve; operating means for the regulating valve so constructed and connected with the pilot valve that it is controlled by action of the pilot valve, said operating means opening the regulating valve when closing of the pilot valve builds up enough pressure; said means for supplying a very small flow of steam to the pilot valve being directly connected with said operating means; and a pipe connecting the low pressure main with the aforesaid operating means, so that the pressures on opposite sides of said operating means are practically balanced irrespective of the pressure in the low pressure main.

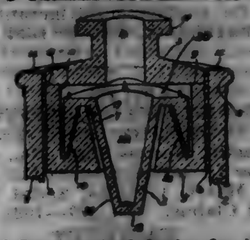
2,031,446

NONREFILLABLE BOTTLE AND CONTAINER STOPPER

Liberio Amaro, Boston, Mass., assignor of one-half to Fortunato Amaro, Boston, Mass.

Application March 15, 1935, Serial No. 10,456

3 Claims. (Cl. 215—15)



1. A liquid flow-control device for the mouth of a container, comprising an annular plug body, adapted to be permanently secured in the mouth of the container, the hollow of this annulus being open both inward and outward of the container, for passage of liquid, but having a ledge facing inward near its outward opening; and having an annular mound, rising in axial direction within said hollow, with crest surface therein transverse to the axis and constituting a seat for a valve; and a valve housed within said hollow and movable axially to and fro relative to said seat; said valve being a relatively deep cup, whose well is open outward into direct axial communication with said outward opening in the plug body, and whose walls have outer surfaces continually and entirely exposed for being contacted by liquid flowing from the container, and have inner surfaces continually and entirely exposed for being contacted by liquid entering the mouth of the container; there being stand-off means between said ledge and that face of the valve which is toward said mouth, for maintaining the valve in spaced relation to the adjacent wall of the hollow when the valve moves from its seat.

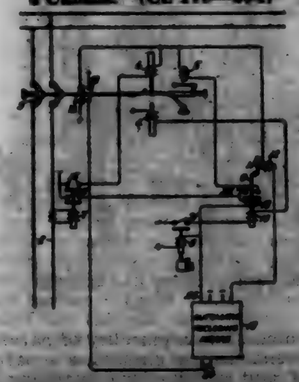
2,031,447

AUTOMATIC RECLOSING CIRCUIT BREAKER SYSTEM

Arvid E. Anderson, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application October 9, 1934, Serial No. 747,511

6 Claims. (Cl. 175—294)



1. In combination, two electric circuits, a circuit breaker interconnecting said circuits, closing means for said circuit breaker, tripping means for effecting the opening of said circuit breaker independently of the condition of said closing means, additional tripping means for effecting the opening of said circuit breaker only under certain conditions of said closing means, fault responsive means normally arranged to effect the operation of said additional tripping means, means for effecting the operation of said closing means to produce a predetermined number of substantially instantaneous reclosures of said circuit breaker after the initial opening thereof and time delayed reclosures thereafter if the circuit breaker fails to remain closed, and means for causing said fault responsive means to effect the operation of said first mentioned tripping means after said predetermined number of substantially instantaneous reclosures has been effected.

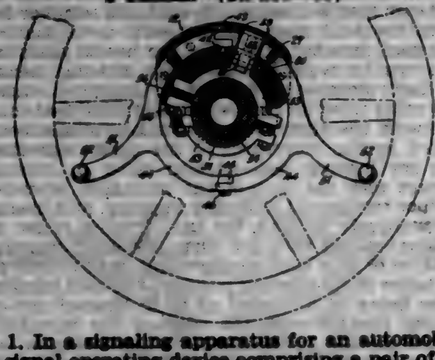
2,031,448

CIRCUIT CONTROLLER

John Arcelon, Mount Vernon, N. Y.

Application March 27, 1935, Serial No. 12,345

3 Claims. (Cl. 200—59)



1. In a signaling apparatus for an automobile, a signal operating device comprising a pair of independent pivotally mounted arc-shaped trackways disposed around the steering spindle of the automobile, a pair of independent switches each located adjacent one of said trackways and cooperable to be operated thereby and a member rotatable with said spindle and slidable along said trackways, said trackways having portions disposed in different planes so that the trackways are caused to shift pivotally during different periods of rotation of said spindle so as to operate the switches.

2,031,449

AUTOMATIC GRAMOPHONE

Svante Philip Arvidius, Malmö, Sweden

Application November 1, 1934, Serial No. 751,044

In Sweden August 23, 1934

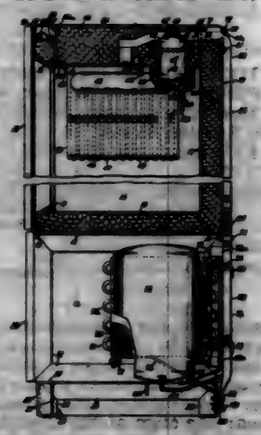
5 Claims. (Cl. 274—19)



3. An attachment for gramophones having a rotatable turntable, in combination, a base plate to be mounted underneath the turntable on the gramophone and to extend at both ends beyond the turntable, rotatable uprights mounted on said base plate near the edge of the turntable at diametrically opposed points thereof, lateral projections at different levels on each of said uprights for supporting a pile of records centrally above the turntable, and displaceable through rotation of said uprights for dropping said rec-

cords one at a time upon the turntable, arms secured to said rotatable uprights and a spring biased push rod linked to said arms for rotating said rotatable uprights, a framing mounted on one projecting end of said base plate, a cam disk rotatably mounted about a vertical axis in said framing, a sleeve rotatably mounted in said framing above said cam disk eccentrically thereto, a slidable pin fitted in said sleeve and resting at its lower end on said cam disk, a bent arm secured to the upper end of said sleeve, an arm pivoted to the free end of said bent arm and carrying a pick-up having a reproducing needle, said needle carrying arm extending above the said slidable pin, whereby to raise and lower the needle carrying arm through raising and lowering said pin by the said cam member at each revolution thereof, a lever secured to said sleeve and having a bifurcated arm, means on said rotatable cam member for actuating said bifurcated arm, whereby to swing the needle carrying arm outwardly and inwardly at each revolution of said cam member, means on said cam member for operating said push rod at each revolution of said cam member and after the needle carrying arm has been swung outwardly, driving means for said rotatable cam member, including a friction roller movable in to and out of frictional contact with the edge of the turntable, means controlled by the movement of the needle carrying arm for moving said friction roller in driving contact with the edge of the turntable, whereby to start rotation of said cam member, and means for positively holding the said friction roller in driving contact with the turntable after starting rotation of said cam member and until return of the latter in its starting position, the said friction roller being so arranged as to be pushed out of driving contact with the edge of the turntable by the driving frictional force therebetween, as soon as positive holding of said roller in such contact with the edge of the turntable ceases.

2,031,450
REFRIGERATOR
Leonard W. Atchison, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 22, 1935, Serial No. 22,762
17 Claims. (Cl. 62—116)



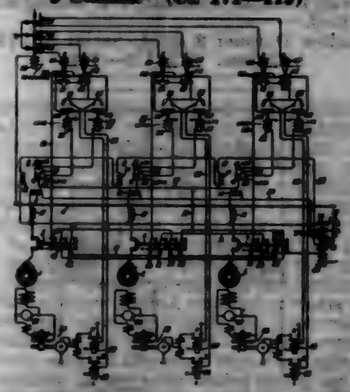
1. In combination with a refrigerator cabinet provided with a machinery compartment and a cooling compartment, a refrigerating machine for said cabinet and separable therefrom comprising, means including a refrigerant evaporator for abstracting heat from said cooling compartment, a vertical frame extending along the exterior side of a vertical wall of said cabinet, a refrigerant circulating unit, means including a second frame pivotally connected to said first mentioned frame for supporting said refrigerant circulatory unit in said machinery compartment, and means for supplying refrigerant from said refrigerant circulatory unit to said evaporator.

2,031,451
EXHAUST SILENCER FOR INTERNAL COMBUSTION ENGINES
Harry C. Austin, Kansas City, Mo., assignor to Chester L. Austin, Kansas City, Mo.
Application March 17, 1933, Serial No. 661,314
2 Claims. (Cl. 137—160)



1. An exhaust silencer comprising in combination a helical baffle structure providing a plurality of paths of different length, an enlarged chamber communicating directly with said baffle structure, means to vary the volume of said chamber to a predetermined point and a second baffle structure directly communicating with said chamber.

2,031,452
ELECTRICAL REGULATING SYSTEM
Herman Beny, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application March 2, 1935, Serial No. 8,869
9 Claims. (Cl. 171—119)



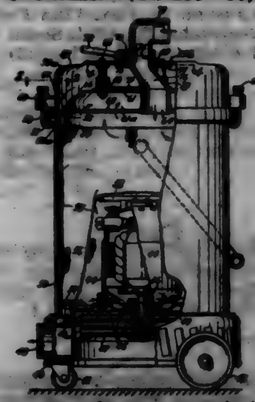
1. In combination, a plurality of parallel alternating current electric circuits, a separate relay for each of said circuits for controlling a corresponding electrical quantity thereof, each of said relays having a winding connected to be energized in accordance with the value of said quantity of its associated circuit, and each of said relays having a winding connected to be energized in accordance with the value of the sum of said quantities of all of said circuits, the windings of each of said relays being inductively related in such a manner that when the currents in them are in phase they produce no net operating effect.

2,031,453
CONVENIENCE OUTLET
George B. Semander, Valleyville, Conn., assignor to Monowatt Electric Corporation, Bridgeport, Conn., a corporation of Connecticut
Application June 28, 1931, Serial No. 547,557
6 Claims. (Cl. 173—330)



3. A convenience outlet comprising a body member of insulating material having rearward extensions forming spaced recesses, flat contact strips with depending ends bent up to form contact clips, serrated edges adjacent the bent up ends of said contact strips embedded in the insulating material for securing the contact clips in said recesses, and a supporting strap secured to said body member.

2,031,454
VACUUM CLEANER
Tord Erik Daniel Bilde and Anders Eriksson-Jons, Stockholm, Sweden, assignors to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application December 15, 1932, Serial No. 647,344
In Germany December 24, 1931
6 Claims. (Cl. 183—57)



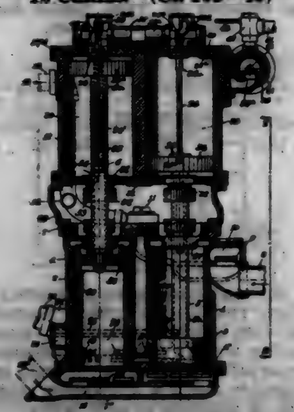
6. In a vacuum cleaner, an air-tight casing, a dust bag within said casing having a first wall portion of pervious material and a second wall portion of pervious material, walls forming a chamber bounded in part by said second portion, said casing formed with an inlet, means for passing air through said casing, and valve means for selectively connecting said inlet with the interior of said dust bag so that the air will pass out through the pervious first and second wall portions in parallel and for connecting said inlet with the interior of said chamber so that the air will pass into said dust bag through said second portion and out of said bag through said first portion.

2,031,455
SAFETY RAZOR
William Harman Black, New York, N. Y.
Application April 17, 1935, Serial No. 16,912
8 Claims. (Cl. 30—61)



1. A safety razor, including a guard, a tubular handle fixed to the guard, a cap pivotally connected to one end of the guard, a blade clamp pivotally connected to the other end of the guard, and mechanical means constituting a part of the razor and adapted to positively move both the cap and blade clamp on their pivots and other means in the handle for operating said first mentioned means.

2,031,456
PUMP CONSTRUCTION
Edmund H. Hunt, Brooklyn, N. Y.
Application February 2, 1930, Serial No. 425,662
Renewed January 13, 1934
12 Claims. (Cl. 103—49)



1. The combination of two double-acting steam driven pumps having steam cylinders with a common steam supply and pump cylinders having common low pressure inlet valves and common low pressure outlet valves at corresponding ends of the pump cylinders, common high pressure inlet valves and common high pressure outlet valves in the opposite ends of the pump cylinders, each steam cylinder and each pump cylinder having a piston, a single piston rod connecting one steam piston with a pump piston and a single piston rod connecting the other pump piston with the other steam piston, said piston rods being operable independently of each other and being movable simultaneously in opposite directions, said piston rods being movable toward the steam piston ends at a higher rate of speed than in the opposite direction, and means for supplying materially greater steam pressure to each steam piston when moving toward its pump cylinder

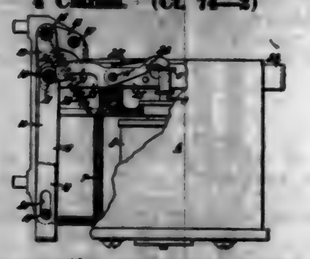
than when moving in the opposite direction whereby each pump piston pumps effectively against much greater pressure when moving in one direction than when moving in the opposite direction.

2,031,457
FUSE
George R. Brown, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application February 27, 1934, Serial No. 713,681
3 Claims. (Cl. 200—130)



1. An electric fuse comprising a base of insulating material, a cap of insulating material, an extension from said cap passing over a portion of said base, communicating recesses to permit gases to escape between said extension and said base, a fuse link located within said extension, and a metal sleeve covering the inner wall of said extension whereby escaping gases may condense on said sleeve.

2,031,458
OPERATING MECHANISM
Ralph R. Bush, Manoa, Pa., assignor to General Electric Company, a corporation of New York
Application October 30, 1934, Serial No. 750,743
4 Claims. (Cl. 74—2)



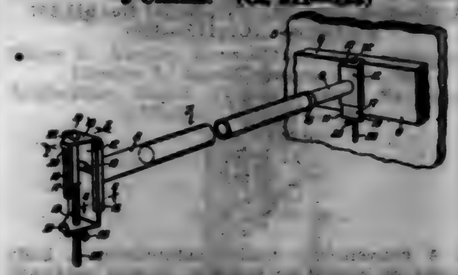
1. In an operating mechanism having collapsible structure, restraining means therefor comprising a pivoted latch arranged to engage at its operating edge a part of said collapsible structure, said operating edge being defined by an arc having its center along a line offset with respect to the center of rotation of said latch.

2,031,459
SHADE ROLLER
Ersyl F. Chambless, Chicago, Ill., assignor of one-half to Joseph W. Fay, Villa Park, Ill.
Application July 25, 1934, Serial No. 736,819
17 Claims. (Cl. 156—96)



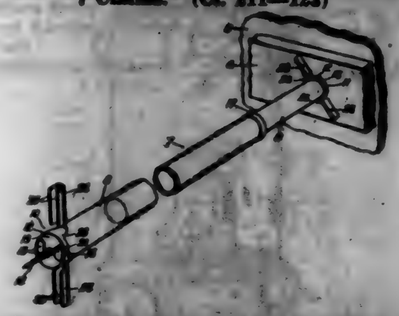
15. In combination, a spindle with a flattened end having two positions of engagement with a bracket and held against rotation thereby, a shade roller rotatable with respect to said spindle, and means comprising a cam member on the spindle and cooperating wedging means operable in each position of said spindle in said bracket for preventing too rapid rolling of said shade up on said roller.

2,031,460
CLOTHESPOLE
Ersyl F. Chambless, Chicago, Ill., assignor of one-half to Joseph W. Fay, Villa Park, Ill.
Application November 23, 1934, Serial No. 754,339
5 Claims. (Cl. 211—123)



1. An extensible clothes-pole comprising telescoping pole sections, bracket members rigidly secured to the outer ends of said sections, second bracket members slidably adjustable in said first bracket members, said first and second bracket members being disposed and adjustable substantially normal to the axis of the pole and extending radially from opposite sides of the pole, inturned flanges at the upper and lower ends, respectively, of said bracket members, and bolts passing through said flanges and engaging in cooperating nut members for clamping the flanges to the upper and lower edges of a molding strip.

2,031,461
CLOTHESPOLE
Ersyl F. Chambless, Chicago, Ill., assignor of one-half to Joseph W. Fay, Villa Park, Ill.
Application November 23, 1934, Serial No. 754,339
7 Claims. (Cl. 211—123)



1. An extensible clothes-pole comprising telescoping pole sections and wood screws extending axially from the outer ends of said sections and joined rigidly thereto, whereby said screws may be threaded into molding strips and the like by grasping and turning the pole sections.

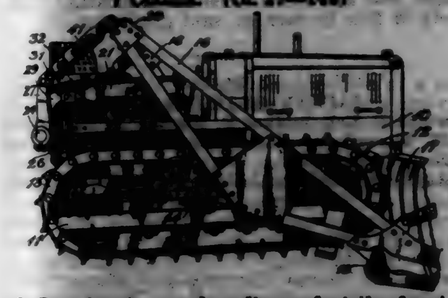
2,031,462
STRAP STRETCHING DEVICE
William G. Childress, Oak Park, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application October 17, 1935, Serial No. 45,498
13 Claims. (Cl. 254—46)

1. The combination in a strap stretching device, of means for gripping opposite end portions of a strap, means for effecting relative movement of said gripping means to draw said strap taut



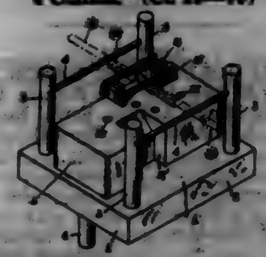
around a package or the like, and means actuated by said last named means for releasing said strap from one of said gripping means.

2,031,463
EARTH MOVING DEVICE
Roy E. Cheate and Waldo E. Redler, Cedar Rapids, Iowa, assignors to La Plant-Choate Manufacturing Co. Inc., Cedar Rapids, Iowa, a corporation of Delaware
Application October 3, 1932, Serial No. 635,895
7 Claims. (Cl. 37—144)



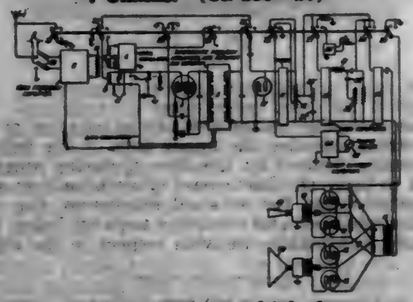
1. In a tractor, a plow disposed at the front of the tractor, frames disposed one on each side of the tractor and pivotally mounted thereon for tilting movement, and operatively engaged to the plow at the front ends thereof, a cross-shaft at the rear of the tractor, a power means for rotating the cross-shaft, a lever for connecting the cross-shaft with the power means, other levers connected to the cross-shaft and projecting to positions near the rear ends of the frames, and shock absorber links disposed between and operatively connecting the last named levers and the rear ends of the frames.

2,031,464
FEED DOG RECUTTING FIXTURE
Leonard C. Corcoran, Cleveland Heights, Ohio
Application June 18, 1928, Serial No. 27,319
4 Claims. (Cl. 29—76)



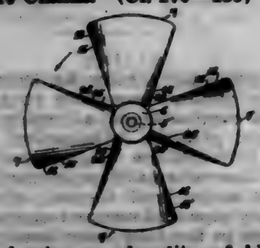
1. In a sewing machine feed dog recutting fixture, the combination of a base block having parallel side faces adapted to be gripped by an ordinary vise, file guides carried in spaced relationship with respect to said block, and a work holding block movable with respect to said guides, said work holding block having a flat upper surface for the attachment of legless feed dogs, and also having slots in its side faces for the attachment of feed dogs with extending legs.

2,031,465
SIGNALING SYSTEM
McKenzie Cottrell, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application December 5, 1934, Serial No. 756,165
7 Claims. (Cl. 250—20)



1. The combination, in a high frequency receiver, of an input circuit, means for converting high frequency currents received in said receiver to currents of different frequency, signal means responsive to said currents of different frequency, and means to disable said first means and to connect said input circuit to said signal means.

2,031,466
FAN
Albert A. Criqui, Buffalo, N. Y., assignor to Buffalo Forge Company, Buffalo, N. Y., a corporation of New York
Application July 26, 1934, Serial No. 737,055
10 Claims. (Cl. 170—159)

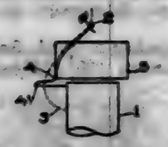


1. A fan having a plurality of blades, each arranged at an angle to the axis of the fan, each blade having a curved heel portion at the trailing edge of the blade, such heel portion curving upwardly toward the working face of the blade and being wider at the inner end of the blade than at the outer end thereof.

2,031,467
DEVICE FOR CONTINUOUS SPINNING AND/OR TWISTING OF TEXTILE FIBERS
Otto George Johan Struythem de Reyssenoor, Breda, Netherlands
Application August 6, 1932, Serial No. 627,697
In the Netherlands August 19, 1931
7 Claims. (Cl. 118—49)

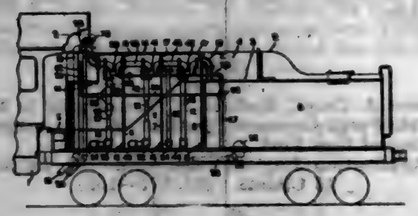
1. In a device for the purpose described, the combination with a revolving member on which thread is to be wound, and a guide for the thread

axially aligned above the revolving member; of only and exclusively a single hollow member forming an unbroken annular guide arranged to move up and down over the revolving member, said hollow member being open at both ends to permit passage of the thread therethrough, said hollow member being arranged to engage and



force inwardly toward the axis of rotation of the revolving member the upper part of the balloon normally formed by the thread during winding and to leave the lower part of such balloon substantially free for outward expansion, the said hollow member and revolving member being vertically traversable one with respect to the other.

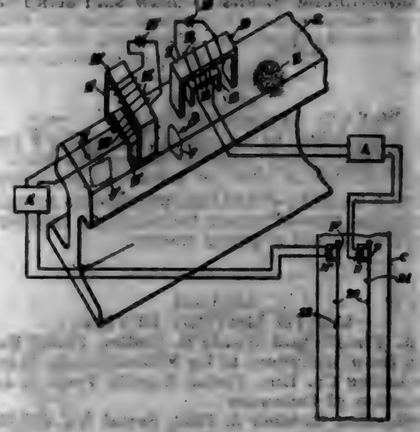
2,031,468
FEED WATER HEATER FOR LOCOMOTIVES
Myron W. Dole, Belmont, Mass.
Application February 13, 1935, Serial No. 7,157
14 Claims. (Cl. 122—434)



1. In a feed water heater for locomotives, the combination with a locomotive tender having a main water compartment, a feed water heating compartment provided with a feed water outlet and an intermediate compartment, said compartments communicating with each other below the normal water level thereof, of an exhaust steam supply pipe and means responsive to pressure changes in the feed water heating compartment to establish communication between the steam supply pipe and the feed water heating compartment when the steam pressure in said latter compartment is below a predetermined point and between said supply pipe and the intermediate compartment when the steam pressure in the feed water heating compartment is above said predetermined point.

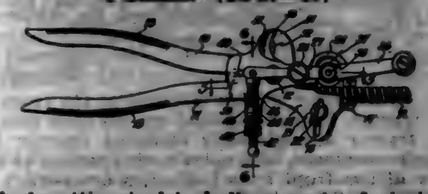
2,031,469
METHOD AND MEANS FOR DETECTING FLAWS
Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application February 17, 1933, Serial No. 657,229
Renewed June 18, 1935
9 Claims. (Cl. 175—183)

1. The method of detecting fissures within magnetizable objects consisting in setting up flux in a plurality of directions through the object



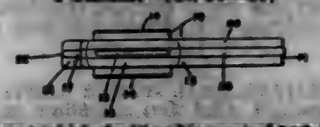
under test and simultaneously indicating variations in flux in each of said directions.

2,031,470
SAFETY CUTTING TOOL
Herbert P. Eck, Isidore B. Rosenberg, and Harry M. Rosenberg, Portchester, and Isaac Fleer, New York, N. Y.
Application March 3, 1934, Serial No. 715,358
9 Claims. (Cl. 29—99)



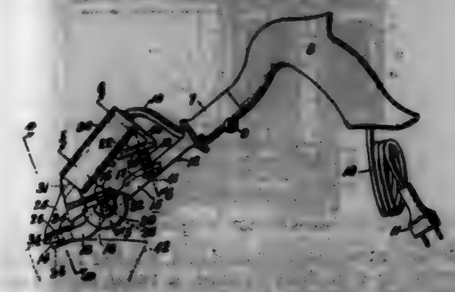
1. A cutting tool including a pair of pivotally connected members having handle portions at their free ends, a clamping jaw integral with and disposed at the other end of one of said members, a rock lever pivoted on the same end of said member, a cutter wheel journaled in the outer end of said pivoted rock lever for swinging movement above and below the clamping face of said clamping jaw, an indicating pointer on the inner end of said rock lever, a graduated scale on the outer side of the member on which said rock lever is mounted with which said pointer coacts, handle operated means for rotating said cutter wheel, and a work support carried by the other end of the other of said members.

2,031,471
STROKING HOLDER FOR RAZOR BLADES
Charles E. Edwards, New Britain, Conn.
Application March 5, 1934, Serial No. 714,879
8 Claims. (Cl. 30—36)



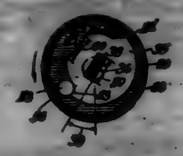
1. In a stroking holder for razor blades, a holder proper comprising opposed plate-like wings, said wings being provided with registering grooves, and a key of rod-like form and uniform cross section fitting within the space that is provided by said grooves, whereby means are provided for operatively holding a slotted blade positioned between said wings for stropping the blade.

2,031,473
HAND TIRE-GROOVER
William F. Errig, Philadelphia, and George M. Pfundt, Churchville, Pa., assignors to Pece Manufacturing Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application February 28, 1935, Serial No. 8,766
12 Claims. (Cl. 30—20)



3. In a tire groover the combination of a manipulating member with a handle at one end and a forked shoe section at the other, said shoe section having its top surface upwardly and rearwardly inclined, a heater holder supported over the manipulating member and embodying a forwardly-directed foot piece adapted for slidable movement lengthwise of the shoe section inclined surface, a grooving blade seated in a transverse groove in the underside of the heater holder foot piece, means whereby the heater holder and grooving blade can be moved and the latter set at various depths of projection below the manipulator shoe section, and upwardly acting means carried by the manipulating member and engaging the heater holder to arrest the grooving blade at the requisite adjustment.

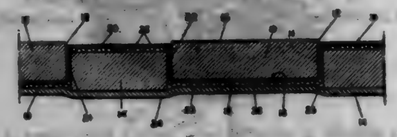
2,031,513
SHADE ROLLER
Joseph W. Way, Villa Park, Ill., assignor of one-half to Lloyd F. Chambless, Chicago, Ill.
Application March 18, 1935, Serial No. 11,615
14 Claims. (Cl. 156—36)



8. In combination, a spindle having an end engageable in a bracket and held against rotation thereby, a shade roller rotatable with respect to said spindle, a shell fixed to the roller for rotation therewith, a cam disc mounted on said spindle within said shell and slidable up and down obliquely on said spindle; a pocket formed in said disc and provided with a depression within its length, a locking member operable in said pocket, and an internal hump on said shell for operating said locking member.

10. In combination, a shade roller, a spindle for said roller, a bracket for said spindle, said bracket having a tapered opening and said spindle having a tapered end for engagement in said opening in only one position of said spindle with respect to said opening.

2,031,474
DECORATIVE PRODUCT AND METHOD FOR MAKING THE SAME
Joseph Frank, Brooklyn, N. Y., assignor to Gemloid Corporation, New York, N. Y., a corporation of New York
Application April 23, 1934, Serial No. 721,924
15 Claims. (Cl. 41—35)



1. A decorative product comprising three laminæ consisting in superposed order of a backing sheet, a layer of scintillating material, and a stencil sheet, said stencil sheet having cut-out portions forming a design with the scintillating material extending across and projecting into the opening forming the cut-out design and visible from the upper side of the stencil sheet, and fillers backing the portion of the scintillating material exposed through the opening and projecting into and thus filling in the balance of the opening, and said backing sheet secured to the underside of the fill-in pieces and to the underside of the layer of scintillating material.

11. In the art of forming a decorative article, the method which consists in forming a cut-out opening in a basic sheet, forming a filler piece of the same contour and slightly smaller than the opening, placing a layer of flexible decorative material and a layer of flexible transparent material on one side of the basic sheet, with the transparent sheet next to the basic sheet, locating the filler piece in engagement with the decorative layer and in registry with the opening, and then forcing the filler piece towards the opening thereby to force into the opening the portion of the decorative and transparent layers in advance of the filler piece.

2,031,475
OXIDIZING CATALYSTS
Joseph C. W. Fraser, Baltimore, Md.
No Drawing. Application June 25, 1931, Serial No. 546,025
7 Claims. (Cl. 23—2)

1. A method of continuously and completely oxidising carbon monoxide comprising passing a stream of carbon monoxide and oxygen into contact with a catalyst comprising artificially prepared copper chromite.

2,031,476
TAGGING MACHINE
Ralph W. French, Junction City, Kans.
Application January 8, 1934, Serial No. 705,763
8 Claims. (Cl. 93—38)

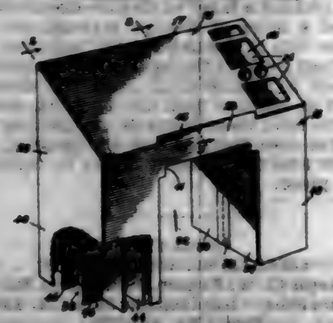
1. In a machine of the character described, a support, an anvil carried by the support, a hammer member mounted on the support for movement to and from the anvil, means for actuating the hammer member, means on the hammer member for supporting a stapled tag with prongs projecting toward the anvil, a guide member, means for pivotally mounting the guide member on the support for guiding the tag into said tag supporting means on the hammer member, a work support, and means carrying the work support for movement relatively to the tag supporting means on the hammer member above the anvil to ef-

foot penetration of the prongs through the work and movable over the anvil under force of the



hammer member whereby the prongs are clinched on the anvil.

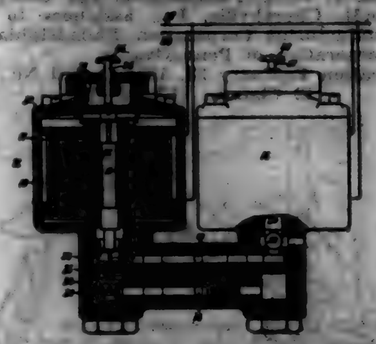
2,031,477
COLLAPSIBLE DRAWING TABLE
Frank A. Giannincto, Yonkers, and Abraham I. Friedman, Brooklyn, N. Y.
Application July 16, 1935, Serial No. 31,704
8 Claims. (Cl. 45—131)



1. In a collapsible drawing table, a member including two superimposed layers of relatively light but strong fibrous material, the upper layer providing a drawing surface and being formed with cutout portions to receive receptacles and drawing implements, and the lower layer providing a backing for the upper layer and a support for receptacles and implements disposed in the cut-out portions, and collapsible means for supporting said member so that the drawing surface is disposed at an angle.

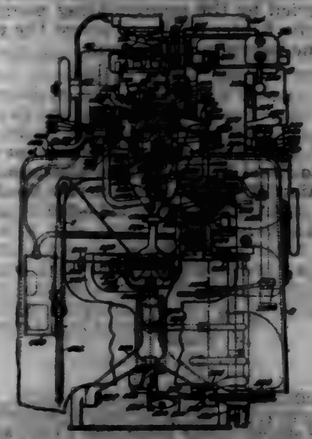
2,031,478
FLUID CONTROL MEANS
William Train Gray, Altrincham, England, assignor to General Electric Company, a corporation of New York
Application September 21, 1932, Serial No. 634,499
In Great Britain October 7, 1932
3 Claims. (Cl. 50—16)

1. The combination with a fluid supply pipe and a delivery pipe of a regulating device for controlling the pressure of fluid in said delivery pipe, comprising an electromagnetically biased inlet valve interposed between said pipes, an engining circuit, an operating coil for said valve responsive to a variable electrical condition of said circuit for applying a force in a direction to open said valve, a spindle for said valve arranged for axial movement conformably in accordance with said electrical condition and with the fluid pressure, and means for biasing said spindle against



opening movement by said coil, a relief valve connected to said delivery pipe, a relief valve operating coil therefor for biasing said relief valve to a closed position, and means connecting said relief valve operating coil to said circuit so as to be responsive to said variable electrical condition of said circuit.

2,031,479
SHOE SEWING MACHINE
Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 16, 1933, Serial No. 660,616
36 Claims. (Cl. 112—57)



3. A shoe sewing machine having, in combination, stitch-forming devices including a hook needle and looper shiftable in and from looping position, a main driver for the machine, a clutch having driving and driven parts for connecting said stitch-forming devices with the main driver, apparatus driven through the clutch for disengaging the clutch parts subsequently to a predetermined operation of the stitch-forming devices, auxiliary mechanism driven by the main driver for causing the engagement of the clutch parts and for shifting said looper to looping position, and a manually actuable member for controlling said auxiliary mechanism.

2,031,480
BALLAST RESISTANCE
Seitoku Hasuda, Tokyo, Japan, assignor to General Electric Company, a corporation of New York
Application November 28, 1933, Serial No. 700,681
In Japan May 30, 1933
2 Claims. (Cl. 201—63)

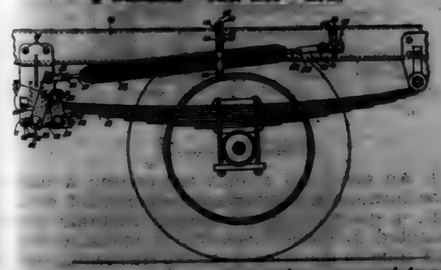


1. A ballast resistance comprising an insulating rod having a plurality of longitudinal openings extending therethrough, supporting means for said rod arranged at one end thereof, a ballasting resistance element wound on said rod and having terminals adjacent to said end, and means for maintaining said resistance element at a predetermined elevated temperature comprising a resistance heating element in each of said openings, said heating elements having terminals at said one end of the rod and being connected together at the opposite end thereof.

2,031,481
SYNTHETIC RESIN AND METHOD OF PREPARATION
Caryl P. Haskins, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application March 23, 1934, Serial No. 717,884
3 Claims. (Cl. 260—8)

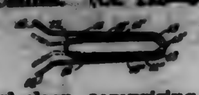
1. A resin produced by reacting cyprene, maleic anhydride and polyhydric alcohol.

2,031,482
VEHICLE SPRING SUSPENSION
Albert F. Hickman, Eden, N. Y., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y., a corporation of New York
Application November 2, 1931, Serial No. 572,549
4 Claims. (Cl. 280—124)



1. A vehicle spring suspension comprising a chassis frame; a rock shaft bearing secured to each side of said frame; a rock shaft journaled in said bearings; a cross brace having forked ends which are secured to said bearings whereby the same are held in fixed angular relationship relatively to said frame irrespective of the tendency of said frame to weave; vehicle springs operatively connected with the outer ends of said rock shaft; and a vehicle axle provided with wheels secured to said springs.

2,031,483
HAIRPIN CLASP
Frank Interrante, Brooklyn, N. Y.
Application February 14, 1935, Serial No. 6,449
3 Claims. (Cl. 132—50)



1. A hair curl clasp, comprising a single piece of wire having a top arm for engaging across the outer face of a curl, and a bottom arm for engaging across the inner face of the curl, each of said arms consisting of two side members, the front ends of the side members of the top arm being connected with a bent section, the rear ends of the side members of the top arm continuing into the rear ends of the side members of the bottom arm, the side members from the bottom arm being formed with upward bent portions adapted to engage the inner side of the side members of the top arm to latch the clasp closed on the hair.

2,031,484
HAIRPIN CLASP
Frank Interrante, Brooklyn, N. Y.
Application May 1, 1935, Serial No. 19,126
2 Claims. (Cl. 132—50)

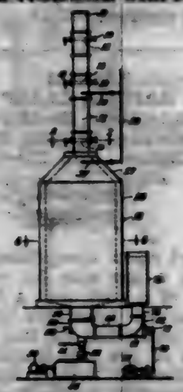


1. A hair pin clasp, comprising a single strand of wire having a bottom section consisting of a pair of parallel side portions, a top section above said bottom section and consisting of a U-shaped portion, a connection section connecting the free end of one of the arms of said U-shaped portion with the adjacent free end of one of said side portions, another connection section connecting the free end of the other of said arms of said U-shaped portion with the adjacent free end of the other of said side portions, and said connecting section being concave and touching each other to prevent the hair from extending between the arms of said U-shaped portion.

2,031,485
METHOD OF BLEACHING PULP
Hans John and Clarence C. Le Febvre, Appleton, and Horace Du Bois, Neenah, Wis., assignors to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin
Application May 20, 1931, Serial No. 538,659
26 Claims. (Cl. 8—8)

16. A process of bleaching cellulosic material and the like, comprising pre-bleaching said material under acid conditions in a hypochlorite bath, washing and thickening the pulp, subjecting it to a second bleaching operation under alkaline conditions maintained throughout the stage and with a sufficiently high concentration of hypochlorite bleach so that an excess thereof remains at the end of the second stage, substantial agitation being avoided throughout the second stage, thickening the material and removing a large portion of the excess of bleach remaining at the end of the second stage, adding water to the thickened pulp so as to produce a low consistency and low bleach

concentration, adding sufficient acid to render the mixture distinctly acid, allowing the mixture to react under said conditions with substantially no



agitation until the bleaching is completed, and then neutralizing the bleaching agent and washing.

2,031,426

PROCESS FOR THE PRODUCTION OF ALLOYS OF THE ALKALINE EARTH METALS WITH LEAD OR OTHER METALS

Gustaf Newton Kirstebom, Oslo, Norway, assignor to Calley Limited, London, England, an English joint-stock company

No Drawing. Application December 22, 1932, Serial No. 648,443. In Great Britain June 11, 1932

9 Claims. (Cl. 75—1)

1. A process for preparing alkaline earth metal alloys which process comprises melting together a non-metallic compound of the said alkaline earth metal and aluminum and mixing therewith while in molten condition metallic lead and allowing the metal to form into two layers and separating the aluminium layer.

2,031,427

PROCESS FOR THE PRODUCTION OF ALLOYS OF THE ALKALINE EARTH METALS WITH CADMIUM

Gustaf Newton Kirstebom, Oslo, Norway, assignor to Calley Limited, London, England, an English joint-stock company

No Drawing. Original application December 22, 1932, Serial No. 648,443. Divided and this application August 11, 1934, Serial No. 739,418. Renewed October 24, 1935. In Great Britain June 11, 1932

11 Claims. (Cl. 75—1)

1. A process for preparing alkaline earth metal alloys for the production of cadmium alkaline earth metal alloys, which process comprises the step of mixing together in the molten condition cadmium and an alloy with aluminium containing the said alkaline earth metal and allowing the melt to form into two layers and separating the aluminium layer.

2,031,468

CHECK FOR PIANO ACTIONS

Adolf Klein, New York, N. Y.

Application July 19, 1935, Serial No. 31,319

2 Claims. (Cl. 84—253)

1. In a piano action, a hammer butt, a back check, the opposite sides of the butt having recesses therein, said check having spaced lugs disposed in said recesses respectively, a pivot extending through said lugs and butt, to thus pivotally connect the check with the butt, a projection



on the butt, and a spring having one end engaged with said projection and the other end engaged with the check to yieldingly hold the check in operative position with respect to the butt.

2,031,469

STABLE DEPILATORY

Franz Koenigsberger, New York, N. Y., assignor to Parfumerie St. Denis, New York, N. Y., a corporation of New York

No Drawing. Application April 15, 1933, Serial No. 665,549

4 Claims. (Cl. 167—82)

2. A transparent stable depilatory, comprising a transparent gum base, a depilatory agent containing lithium and an inert gas dispersed throughout the depilatory, all the ingredients being substantially water soluble so as to be easily and completely removable from the skin after use.

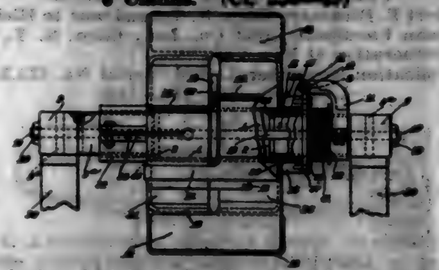
2,031,490

HIGH FREQUENCY CIRCUIT

Frederick A. Kolster, New York, N. Y., assignor to Federal Telegraph Company, Newark, N. J., a corporation of California

Application October 31, 1934, Serial No. 750,513

6 Claims. (Cl. 250—43)



1. An electrical circuit comprising a metallic tube forming an inductance element of said circuit, a pair of dome-shaped metallic devices mounted in spaced relation at opposite ends of said tube in electrical contact therewith, one device being fixed and the other rotatable relative to said tube, flanges on both devices positioned to form a variable capacity element of the said circuit and so that the separation thereof is variable by rotation, and means for rotating said rotatable device to vary the distance between the flanges of said devices.

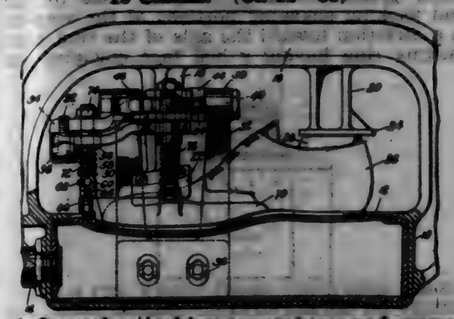
2,031,481

SOLE ATTACHING APPARATUS

John T. Lancaster, Newton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application December 22, 1934, Serial No. 759,545

16 Claims. (Cl. 12—33)



1. In a sole attaching apparatus, a pad support, a pad upon the support, a yoke sustained by the pad support, heel and toe supports sustained by the yoke, and a welt holddown sustained by the pad support independently of the yoke and of the heel and toe supports.

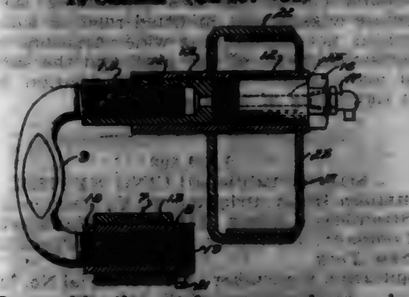
2,031,482

SHACKLE SUPPORT

John W. Leighton, Port Huron, Mich.

Application June 8, 1934, Serial No. 729,579

10 Claims. (Cl. 267—54)



1. In combination, a frame member, a sleeve projecting through the frame member and rigidly connected thereto, a bushing threaded into the sleeve and projecting from one side of the frame member, and a shackle bolt threaded into the projecting end of the bushing.

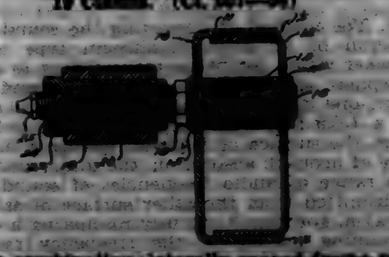
2,031,492

SPRING BOLT ASSEMBLY

John W. Leighton, Port Huron, Mich.

Application June 8, 1934, Serial No. 729,580

19 Claims. (Cl. 267—54)



1. In combination, laterally spaced frame portions having openings, an internally threaded

bushing projecting through the openings and being welded to the frame portions, and a bolt threaded into the bushing, the threads on the bolt and bushing being of self-locking character.

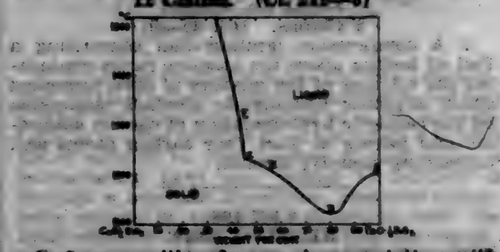
2,031,494

WELDING ROD COATING

Paul G. Lemmerman, East Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware

Application December 19, 1933, Serial No. 703,158

12 Claims. (Cl. 219—8)



1. A composition for use in association with welding rods comprising a system of the formula

$$FeO \cdot xMeO \cdot ySiO_2$$

where x and y represent the number of mols present, and where Me represents calcium or barium, the compound having a melting point not substantially higher than 1900° C.

2,031,495

APPARATUS FOR AND METHOD OF LOADING GUNS FOR DISPENSING VISCID OR SEMI-LIQUID MATERIALS

Louis A. Mackinburg, Oklahoma City, Okla.

Application December 29, 1934, Serial No. 759,726

8 Claims. (Cl. 266—56)



1. A load for apparatus of the class described, said load including a collapsible container adapted to be inserted within the apparatus, a fluidic material in the container, and a carton of semi-rigid construction for receiving the container, said carton being of a dimension which will scrape and clean the interior surface of the apparatus when inserted therein.

2,031,498

AUTOMOBILE ROBE SUPPORT AND BRACKET THEREFOR

Arthur Chand-Manilo, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut

Application June 8, 1933, Serial No. 675,957

8 Claims. (Cl. 24—128)



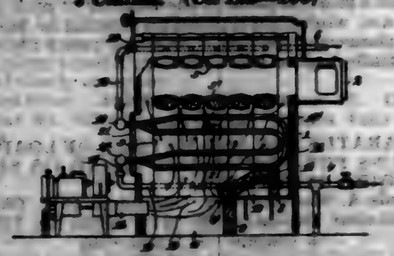
1. A bracket for an automobile robe support, comprising a casing adapted to receive the end member of a robe supporting cord, spring means arranged in said casing to act between said end

member and said casing to normally draw said cord toward said bracket, and abutment means arranged to limit the outward pull of said cord at a point between the normal expansion and compression limits of said spring means.

2,031,497
FUEL
Carl S. Marvel, Urbana, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 21, 1933, Serial No. 652,927
2 Claims. (Cl. 44—9)

1. A compression ignition fuel comprising a fuel oil boiling above the gasoline range containing the nitrates of the mixture of open branched chain aliphatic monohydric alcohols obtainable by the catalytic hydrogenation of carbon monoxide and having at least four carbon atoms and containing isobutyl alcohol.

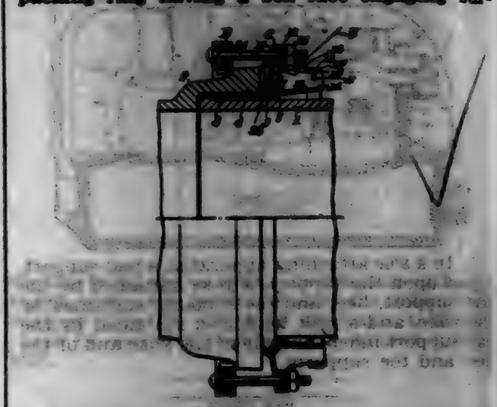
2,031,498
HEATING UNIT
William R. Miller, Passaic, N. J., assignor to Ray F. Van Segger, Maplewood, N. J.
Application January 23, 1932, Serial No. 588,415
Renewed October 14, 1933
3 Claims. (Cl. 122—146)



1. A heating apparatus including a furnace having a boiler, a fire box and an ash pit, an oil burner for projecting flame substantially horizontally into the ash pit, baffling means for deflecting said flame into the fire box and into a direction to cause the flame to move substantially vertically, a plurality of sets of tubes arranged in said fire box in the path of said flame, the ends of the respective sets of tubes being connected to a lower header outside of said furnace, the outlet ends of said sets of tubes being connected to an upper header and tubular means for connecting the respective headers to said boiler at the top and bottom thereof.

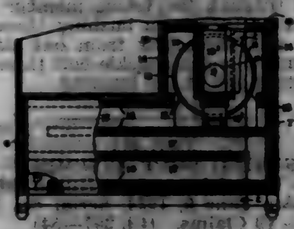
2,031,499
ADJUSTABLE REPAIR CLAMP FOR BELL AND SPIGOT JOINTS
Charles E. Norton, Bradford, Pa., assignor to S. R. Dresser Manufacturing Company, Bradford, Pa., a corporation of Pennsylvania
Original application February 24, 1933, Serial No. 658,518, now Patent No. 1,991,024, dated March 12, 1934. Divided and this application February 21, 1934, Serial No. 712,370
6 Claims. (Cl. 285—119)

1. A self adjusting clamping ring comprising a plurality of independently movable segments provided with packing engaging portions curved in cross section adjacent to their inner edges, and provided with means for securing clamping bolts thereto at points located at a distance outwardly from said packing engaging portions, and portions extending rearwardly of the packing engaging portions, annularly arranged tension means engaging said rearwardly extending portions of said segments for holding said segments in ring formation, said segments each having a turning moment with respect to said tension means and reacting against said tension means under pressure of the clamping bolts to force said packing engaging portions of the segments in a direction toward the axis of the ring, and a packing ring having a bell face engaging sur-



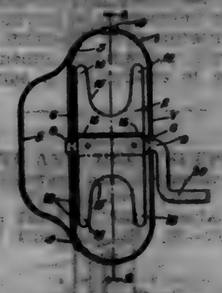
face, a pipe engaging surface and an exterior surface having a curvature in cross section substantially corresponding to that of the packing engaging portions of the ring, the said corresponding curved surfaces permitting the immediate engagement in fitted relation when assembled, notwithstanding wide variations in the exterior diameter of the pipe, and the substantial maintenance of said fitted relation during the tightening of the clamp.

2,031,500
SOUND REPRODUCING SYSTEM
Benjamin Olney, Brighton, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a corporation of New York
Application September 17, 1934, Serial No. 744,303
19 Claims. (Cl. 181—31)



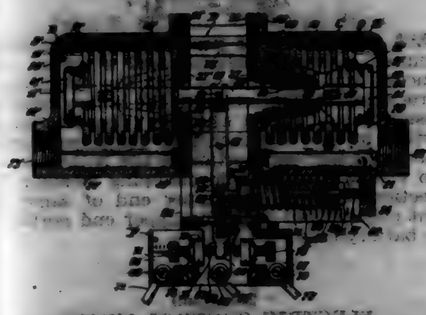
1. The method of improving the sound reproduction of an open diaphragm type of loud speaker which comprises transmitting to the atmosphere substantially unmodified sound waves from one surface of said diaphragm, absorbing in a folded passageway by multiple reflection from the surface of material having a high degree of acoustic absorption, the major portion of the range of audio frequencies of sound waves transmitted from the other surface of said diaphragm, and simultaneously resonating a certain remaining portion of the frequency range of sound waves transmitted from said last-mentioned diaphragm surface.

2,031,501
REEL
Kenneth R. Porter, Shaker Heights, Ohio
Application April 9, 1935, Serial No. 14,859
7 Claims. (Cl. 242—101)



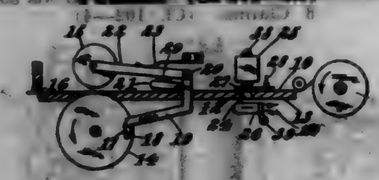
1. In a reel, a spool frame comprising a looped continuous metallic element having its opposite ends lapped and secured together in spaced areas, the lapped sections between said spaced areas separated so that one of the same serves as a handle for the frame, and a spool rotatably supported between opposite sections of said looped element and in such close proximity thereto that upon flexure of said band the latter will engage said spool and effect a braking action thereon.

2,031,502
ELECTRICAL CONTROLLER
Ellis G. Powell, Michigan City, Ind., assignor to C. A. Dunham Company, Marshalltown, Iowa, a corporation of Iowa
Application September 28, 1932, Serial No. 691,364
9 Claims. (Cl. 200—83)



1. In an electrical controller, a pair of opposed pressure-actuated devices, each device comprising a housing having one open end, and a bellows diaphragm positioned within the housing and having one closed end and one open end, the open end of the diaphragm being connected with the open end of the housing to form a closed chamber within the housing and about the diaphragm, means for admitting fluids under pressure to each of the chambers, one chamber being under higher pressure than the other chamber, a stem mounted between the two housings and within the bellows diaphragms and having its ends abutting the closed ends of the two bellows respectively, a movable member connected with and actuated by the stem, an adjustable spring device firmly mounted at one end and abutting at the other end against the movable member to balance the normal difference in pressure exerted on the two diaphragms, and a circuit controller actuated by movements of the movable member.

2,031,503
LIGHT-SENSITIVE CELL CONTROL MECHANISM
Alexander Griffith Ramsay, London, England
Application May 17, 1930, Serial No. 453,289
In Great Britain June 1, 1929
4 Claims. (Cl. 271—3.6)



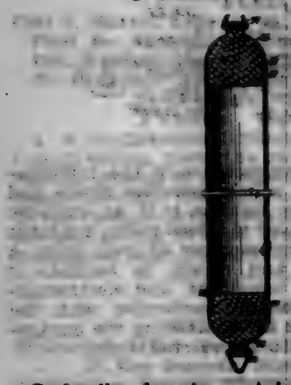
1. In sheet feeding mechanism the combination of feed rollers, a light-sensitive device and a lamp for projecting light on to it, an epicyclic train of gearing coupled to a feed roller, a ratchet wheel coupled to one member of said train, a co-operating pawl and means to oscillate it through a constant amplitude, and electromagnetic means in electrical connection with the light-sensitive device for controlling the engagement of the pawl with the ratchet wheel.

2,031,504
MANUFACTURE OF SULPHUR DIOXIDE
Brodie K. F. Shanlin, Caldwell, N. J., assignor of one-half to Albert Harry Chitty, Sault Ste. Marie, Ontario, Canada, and one-half to David Munroe, Belleville, N. J.
Application November 18, 1931, Serial No. 575,733
8 Claims. (Cl. 23—277)



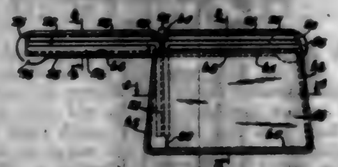
1. Apparatus for production of sulphur dioxide from pyrites, comprising in combination with a furnace structure, a mechanical pyrites conveyor closed to admission of air and arranged to deliver pyrites into the top of the furnace, the upper portion of said furnace having controllable air inlets adjustable to regulate admission of air entirely independently of the pyrites feed, means for trapping the oxides and venting the gas from the bottom of the furnace structure and including a gas discharge line, means for applying suction to said gas discharge line to draw off the gas and to induce a supply of air into the top of the furnace in accordance with the regulation of the adjustment means aforesaid, said trapping means including a tubular water cooled deflector having gas passages about the same and external inclined surfaces for directing the oxides to form dry seals.

2,031,506
CONTAINER FOR EXPLOSIVES
Carey O. Rison, Oklahoma City, Okla., assignor of one-half to Indian Territory Illuminating Oil Company, Bartlesville, Okla., a corporation of New Jersey
Application November 15, 1933, Serial No. 698,100
6 Claims. (Cl. 102—4)



2. A nitroglycerin container including a shell formed of fibrous material, and a binder produced by reaction of formaldehyde upon phenol in the presence of a sufficient amount of an alkali to insure against presence of acid in the shell at any time during effective life of the shell.

2,031,506
HANDBAG
Harry V. Ritter, New York, N. Y.
Application December 6, 1935, Serial No. 53,183
4 Claims. (Cl. 150—42)



1. A portable receptacle including a bag closed at the bottom and having a top opening, said bag having first and second side walls, angle frame members for the respective side walls, the frame members having arms extending generally horizontally along said opening and having their other upright arms located at an end of the bag and extending downward, the upright arms being pivotally interconnected for relative movement of horizontally extending arms toward and away from each other to cause closing and opening of the bag, one horizontal arm being connected to the first side wall, the second horizontal arm being relatively movable to the second side wall and being adapted to engage the same in bag closing position, and means for releasably interconnecting the horizontal arms to maintain the bag closed.

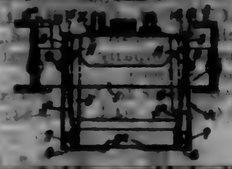
2,031,507
ELECTRIC CANDLE
Harry Rothenberg, West Norwood, N. J., assignor to Henry Hyman, Brooklyn, N. Y.
Application June 25, 1931, Serial No. 546,761
3 Claims. (Cl. 240—10.64)

1. In an electric candle, a hollow base, a metal closure for said base, a flat spring attached to said closure, a slidable switch in said base in contact with said spring, a battery in said candle, and a contact for one end of said battery, said closure



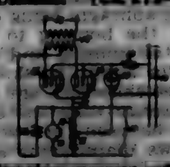
having a slot varying in width at different portions and said switch having a conical extension projecting through said slot.

2,031,508
BATTERY HOLDER
Elmo C. Scott, St. Louis, Mo.
Application April 23, 1935, Serial No. 18,741
11 Claims. (Cl. 136—63.5)



1. A battery holder provided with a pivotally mounted clamping member and a spring, constructed and arranged so that the operation of introducing the battery into the holder creates a tension in said spring which is utilized to force a portion of said member into tight engagement with the lower end portion of the battery and is also utilized to rock said clamping member in a direction to force the upper end of same into tight engagement with the upper end portion of the battery case.

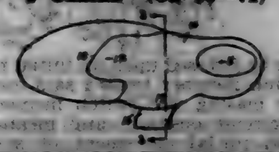
2,031,509
ELECTRIC CONTROL MEANS
Harold T. Seeley, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application January 25, 1934, Serial No. 708,145
13 Claims. (Cl. 171—312)



10. In combination, means subject to variations in an operating condition, means for controlling said first-mentioned means, means for controlling said second-mentioned means comprising a circuit element having a voltage component varying in accordance with said operating condition and current consuming means having a substantially constant voltage component thereacross when in

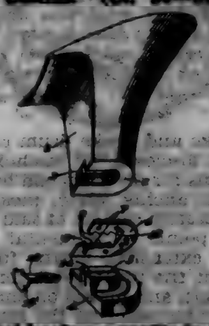
a continuously conductive state and connected in differential voltage relation with said circuit element, an electric circuit having the same character of current as said first-mentioned means for supplying current to said current consuming device, and means entirely static for deriving from said electric circuit a component of direct current voltage sufficient to maintain said current consuming means conductive throughout the operating range of variations of said operating condition.

2,031,510
ARCH AND HEEL SUPPORT
Earl M. Stewart and Seymour Shagrin, Youngstown, Ohio
Application June 27, 1935, Serial No. 29,111
2 Claims. (Cl. 36—71)



1. In an arch and heel support, a resilient body portion, an elongated semi-saucer shaped recess in the heel of said body portion, a resilient heel support in said recess, said recess formed slightly to the outside of the heel portion of the body portion, an inner longitudinal arch support formed in said body portion, a built up portion on said arch support, a tab extension on said built up portion to be attached to a shoe, a metatarsal support in said body portion having its front edge shaped to conform to the varying lengths of the metatarsal bones.

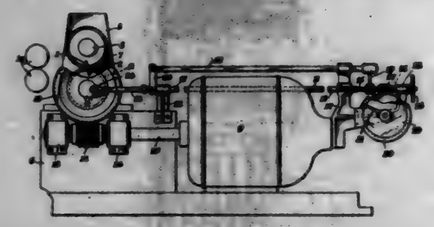
2,031,511
HEEL
Peter E. Sullivan, Randolph, Mass.
Application December 20, 1933, Serial No. 703,275
8 Claims. (Cl. 36—36)



5. A shoe heel having a cavity in its lower face, said cavity extending rearwardly into the heel from the breast surface thereof, a rubber top lift having an integral lug extending upwardly therefrom into said cavity, said lug being split longitudinally, and a device extending into the split in said lug for expanding the lug laterally.

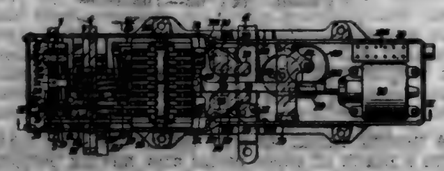
2,031,512
CUT-OFF MACHINE
George W. Swift, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a corporation of New Jersey
Application July 2, 1935, Serial No. 29,471
9 Claims. (Cl. 164—68)

1. In combination, a cut-off knife movable through a cycle including operating and non-operating positions, said knife having a component of movement in operating position which is substantially in the direction of travel of the material to be cut, a variable speed motor having an output shaft, driving connections between said shaft and knife for moving the latter through its cycle, a control member for regulating the speed



of said motor, and means operated in timed relation to the cycle of the knife for periodically adjusting said control member to determine the time between successive operations of the knife and maintain its aforesaid movement during operation at substantially the same speed as the material to be cut.

2,031,513
RAILWAY SWITCH MECHANISM
Charles C. Thorn, Camden, N. J.
Application December 1, 1933, Serial No. 700,297
22 Claims. (Cl. 246—146)

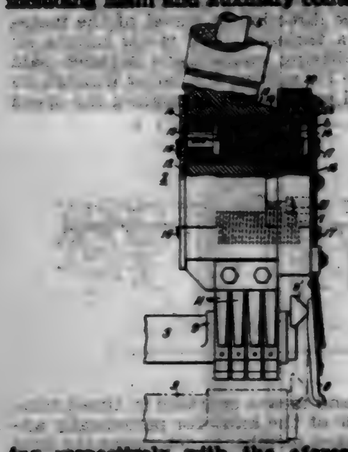


1. In a switch mechanism of the class described, switch operating and switch locking rods directly connected to the switch points, means at the switch with its movement controlled electrically from a remote station for performing all the operations required for locking and unlocking the locking rod, and means controlled mechanically from said remote station for actuating said switch operating rod, said electrically controlled means operating as an antecedent condition to the operation of said mechanically controlled means.

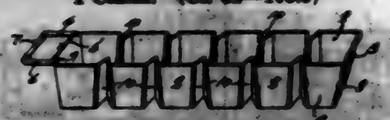
2,031,514
ELECTRIC CIRCUIT INTERRUPTER
Carl Thumim, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application July 2, 1934, Serial No. 733,563
2 Claims. (Cl. 200—146)

1. An electric circuit interrupter comprising coacting stationary and movable contact structure, said stationary structure including a lead-in conductor, a block of conducting material forming an adapter connected to said lead-in conductor, main and auxiliary contacts supported by said block, and a resistance coil positioned in a recess formed in said block, one terminal of said coil electrically connected to said block and the other terminal electrically connected to said auxiliary

contact, said movable contact structure likewise including main and auxiliary contacts for coacting respectively with the aforesaid stationary main and auxiliary contacts.



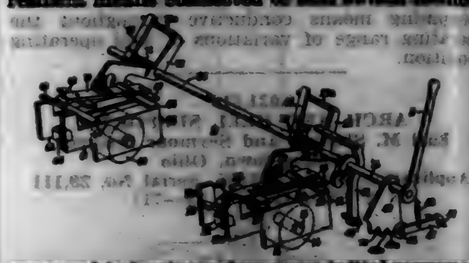
2,031,515
ICE TRAY
Guy L. Tinkham, Detroit, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a corporation of Michigan
Original application March 16, 1934, Serial No. 714,966. Divided and this application July 5, 1934, Serial No. 732,736
1 Claim. (Cl. 62—108.5)



A flexible metal ice tray folded into tray form from a blank of sheet metal and having bottom, side, and end walls, expansion joints in the bottom and the side walls of the tray extending across said walls and through the upper edges of the side walls, said joints projecting into the tray in spaced relation along the length of the tray to divide the tray into a series of integrally connected cells, the end walls of the tray being formed by overlapping sections integral with the bottom and the side walls, respectively, a flange on the innermost section of each end wall and bendable over the outermost sections for securing the sections in overlapping relation, and a bail-like handle member having a pair of cross portions and side portions connecting the cross portions, said handle member being pivotally attached to the tray by having one of said flanges bent over one of the cross portions of the handle member between and free of its side portions, said flange having a width to extend about and under the cross portion of the handle member engaged thereby to hold said cross portion against the adjacent end wall of the tray and the sections of said end wall in overlapping relation.

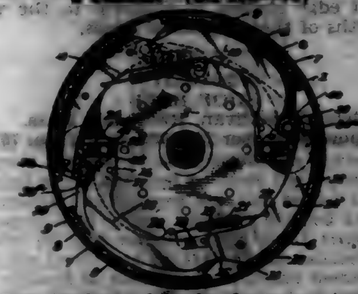
2,031,516
CIRCUIT CONTROLLER
John P. Tritle, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application October 11, 1934, Serial No. 748,524
11 Claims. (Cl. 200—87)

1. A circuit controller comprising a switch member operable between open and closed circuit positions, a coil having a plurality of turns operatively associated with said switch member, means responsive to movement of said switch member towards said closed position for energizing said coil whereupon the magnetic force produced by said coil operates said switch member to said closed circuit position with a snap action, resilient means connected to said switch member



arranged to be stressed upon an initial movement of said switch member toward said open circuit position for biasing said switch member toward said open circuit position, and means responsive to said initial movement of said switch member for reducing said magnetic force whereupon said resilient means operates said switch member to said open circuit position with a snap action.

2,031,517
BRAKE
Harry D. Van Brunt, Los Angeles, Calif.
Application October 23, 1933, Serial No. 695,439
8 Claims. (Cl. 188—79)



1. In a brake and brake drum construction of the character disclosed, an anchor plate, a pair of levers, means for pivoting said levers at spaced points to said anchor plate, means permitting shifting the relative centers of said levers relative to said pivot points; a segmental shoe provided with an arm extension, means for one of said levers adjacent the pivot point for securing one end of said shoe, and means on the other of said levers for movably securing the arm extension of said shoe, whereby upon movement of the levers the shoe is moved, the levers shifting through the first means to effect equalized surface drum engagement with the shoe.

2,031,518
METHOD OF PRODUCING COPPER HAVING HIGH ELECTRICAL CONDUCTIVITY AND BEING FREE FROM OXYGEN
Hermann von Forster and Fritz Kinstel, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y.
No Drawing. Application June 30, 1933, Serial No. 678,572. In Germany June 27, 1934
9 Claims. (Cl. 75—62)

1. The method of producing practically oxygen-free copper having high electrical conductivity which comprises blowing air into molten copper to remove impurities, overpoling the thus-treated molten copper to reduce the oxygen content to an accentuated degree to produce practically oxygen-free and sulfur-free copper, treating such copper with a lithium-containing material to remove gases therefrom, and casting the degasified practically oxygen-free and sulfur-free copper while preventing the access of air.

2,031,519
SHAVING DEVICE AND THE LIKE
Daniel M. Wilson, Binghamton, N. Y.
Application October 5, 1933, Serial No. 692,732
6 Claims. (Cl. 30—43)



1. A shaving device comprising a toothed stationary cutter member having a recess therein, and a toothed movable cutter member reciprocably mounted in said recess and having substantially its teeth only overlying the teeth of said stationary cutter member, the underside of the teeth of said movable member engaging against the outer surface of the teeth of said stationary member and the outer surface of the teeth of said movable cutter being adapted to directly engage the skin, the teeth of said stationary cutter member being integral therewith and the outer surface of said movable member being wholly free of overlying portions of said shaving device whereby all of said outer surface is directly engageable with the skin.

2,031,520
TRAP
Joseph D. Zahm and John U. Lehn, Lititz, Pa., assignors to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania
Application September 29, 1932, Serial No. 635,237
11 Claims. (Cl. 43—89)



1. In an automatically set trap, the combination with a base, a spring actuated striker pivotally mounted thereon, of a pivotally mounted locking blade provided with a detent portion, a lever portion to rock said blade into set position, and a forwardly extending trigger engaging arm, of a pivoted bait pedal having a curved trigger portion against which said arm is pressed by the spring actuated striker in the set position, the curvature of said trigger being such as to permit of the release of said arm, without moving it against the action of the spring actuated striker.

11. In a trap of the class described having a base, a spring actuated striker member attached to the base, a locking blade over said base, and a bait treadle having a trigger for engaging said blade; a pivotal support for said blade comprising two parallel guiding plates rising rigidly from said base on opposite sides of said blade, and a pivot portion connecting the upper ends of said plates, said blade having an opening through which said pivot portion passes.

2,031,521
HYDRAULIC COUPLING
Karl Baumann, Urmston, and Harold Sinclair, Surbiton Hill, England
Application June 14, 1932, Serial No. 675,842
In Great Britain June 23, 1933
2 Claims. (Cl. 60—54)



4. For a hydraulic coupling, a rotary member comprising a plurality of approximately semi-elliptical and approximately radially spaced vanes; a housing therefor comprising an inner ring member, an outer ring member and an annular cover plate intermediate said ring members, each of said ring members and said cover plate being welded to each vane at two points on the outer curved edge of the vane.

5. A hydraulic coupling including an impeller comprising an inner ring member, a plurality of approximately semi-elliptical vanes disposed radially in spaced relationship, an outer ring member, an annular cover plate disposed between said ring members, said ring members and cover plate being secured to the convex edges of said vanes, a shrouding ring to which the concaved edges of said vanes are connected, a runner coaxial with the impeller, a dished annular plate enclosing said runner and secured at its periphery to the said outer ring member, said runner comprising an inner ring member and an annular cover plate, a plurality of approximately semi-elliptical vanes secured radially in spaced relationship at their convex edges to the second mentioned inner ring member and annular cover plate, a shrouding ring to which the concave edges of the last mentioned vanes are secured, a shaft connected to the second mentioned inner ring member, an annular supporting plate mounted at its center on said shaft and secured at its periphery to said runner cover plate to provide a reservoir for liquid, said shrouding rings coacting to provide a scoop chamber between them, and a plurality of tubular members communicating at one end with said reservoir and at the other end with said scoop chamber.

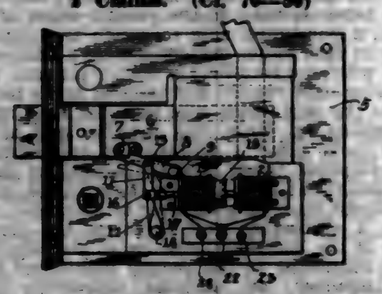
2,031,522
LATCH
John T. Biglin, Hastings, Nebr.
Application June 30, 1932, Serial No. 675,544
1 Claim. (Cl. 292—239)



In a latch, a casing open at the bottom and having an outer and side vertical walls, means

to rigidly secure said casing to a door frame or the like, a horizontal pin mounted in and extending between said side walls of the casing in close proximity to said outer wall and near the bottom of the casing, a resilient keeper ring loosely suspended from said pin and normally engaged at its outer side with said outer vertical wall of the casing so as to be normally supported by the latter in latching position at a downward and inward inclination from said pin, said ring being free to be swung inwardly and upwardly in an arcuate path about said pin when struck by a latch bolt during closing of the door or the like, said ring further being limited in its upward swinging movement by said outer wall to a released position wherein the ring extends at an upward and inward inclination from said pin, whereby said ring will instantaneously swing downwardly and outwardly in such arcuate path back to latching position due to gravity and rebounding of the ring from said outer wall for positively engaging the latch bolt to hold the door closed as soon as the door reaches its completely closed position, the outer wall of the casing being cut away at its lower end and said side walls of the casing having alined vertical elongated slots allowing said pin limited vertical movement so that the ring will swing upwardly to a released position entirely above the bottom of the casing and will lower to a latching position with its center below the bottom of the casing.

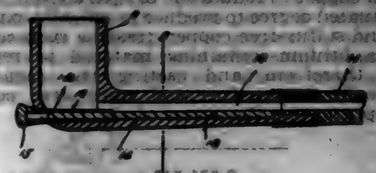
2,031,523
AUTOMOBILE LOCK
Waldo W. Benzer, Pasadena, Calif.
Application May 2, 1935, Serial No. 19,488
2 Claims. (Cl. 70—59)



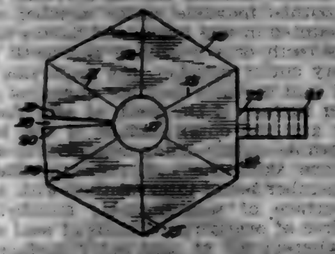
2. In an automobile door lock a sliding bolt secured thereto a stop formed on said bolt, a detent capable of being moved into alignment with said stop, a toggle link connected to said detent and to the casing of said lock, a pair of spaced magnets mounted in said lock, an armature positioned therebetween, and a pull rod secured to said armature and to said toggle link whereby when said armature is moved in one direction said detent will be in alignment with said stop and when said armature is moved in the opposite direction said detent will be moved out of alignment with said stop.

2,031,524
TOBACCO SMOKING PIPE
Maurice Champeux, Quebec, Quebec, Canada
Application January 25, 1935, Serial No. 2,546
1 Claim. (Cl. 131—12)

In a structure of the class described, a pipe including a bowl having a stem provided with a passage, the lower portion of the passage being constructed to provide a saliva trap, the lower part of said bowl being formed with a socket communicating with said passage, a removable plug in said socket, and an absorbent element carried by said plug and located in said trap, said plug extending for a length in said socket beyond the inner wall of said bowl.

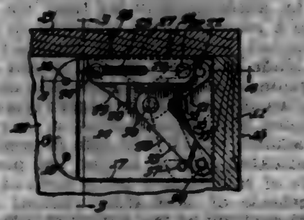


2,031,525
GOLF HOLE
John D. Clarke, Chicago, Ill., assignor to Chicago Carton Company, Chicago, Ill., a corporation of Illinois
Application May 3, 1935, Serial No. 19,581
6 Claims. (Cl. 273—36)



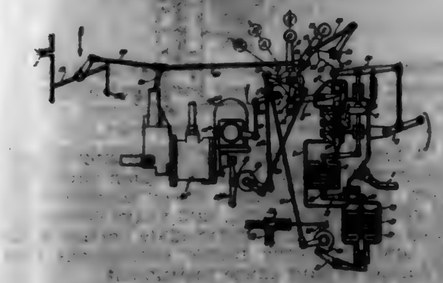
1. A golf practice hole comprising a sheet material member folded upon itself and having a tab integral with and extending from an edge portion of one of the folds, said tab being folded so as to be interposed between the folds of the member, and means uniting said tab to the other fold, said tab serving to maintain the member in folded condition and being adapted to be severed from the fold from which it extends to permit unfolding of the member.

2,031,526
LINK TYPE HINGE
George Demuth, Green Bay, Wis.
Application August 17, 1933, Serial No. 685,085
3 Claims. (Cl. 16—163)



1. A hinge structure for mounting a cover upon a receptacle, comprising a single supporting plate having opposite edges formed with angularly extended flanges and having a third edge formed with a laterally extended flange whereby the plate and the flanges will define a housing, said first named flanges being apertured for the passage of securing elements whereby the housing may be secured with its open side against the end of the receptacle, a member right angular in cross section adapted to be secured upon the underside of the cover and formed with an elongated slot, a pair of angle levers arranged with their vertices in overlapping relation and pivotally connected, one of said angle levers having one arm pivotally connected within one corner of the housing and having its other arm pivotally and slidably connected in said slot, the other angle lever having one arm pivotally connected with the member carried by the cover, said housing being formed with an inclined slot, and the other arm of the second named angle lever being pivotally and slidably connected in said last named slot, both of said angle levers being accommodated and entirely enclosed within said housing when said cover is in closed position whereby the levers will be prevented from contact with the contents of the receptacle.

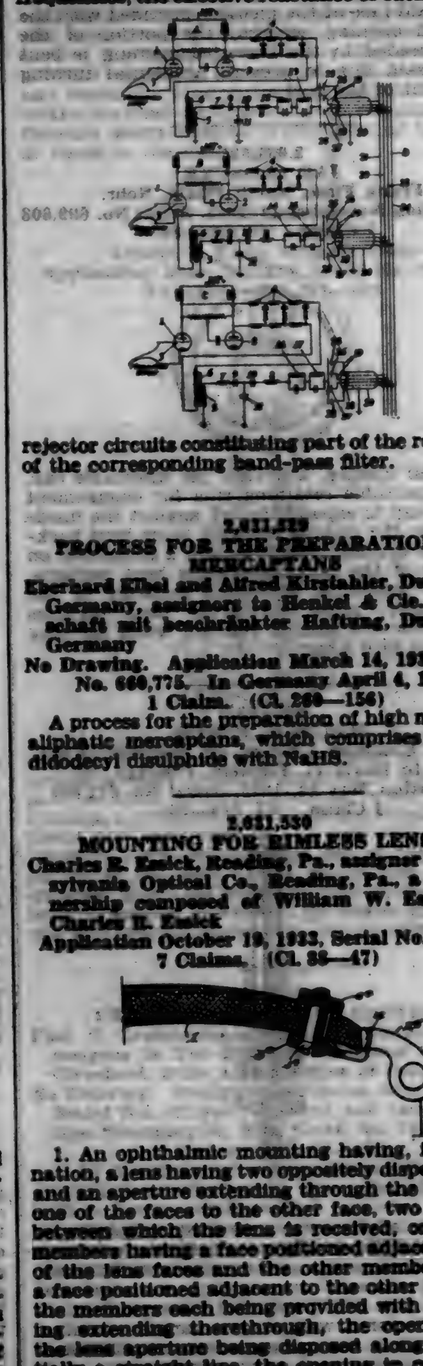
2,031,527
CONTROLLING MEANS FOR FUEL INJECTION ENGINES
Edward Dodson, Streatham, London, England
Application May 28, 1935, Serial No. 23,911
In Great Britain April 23, 1935
7 Claims. (Cl. 123—139)



1. Means for controlling fuel injection engines comprising a fuel controlling device for varying the amount of fuel supplied to said engines, an induction pressure sensitive device, means operatively connecting said induction pressure sensitive device with said controlling device, a throttle control, throttle control actuated means for operating said controlling device independently of said induction pressure sensitive device, and means for operating said controlling device independently of said throttle control actuated means and said induction pressure sensitive device when the throttle control is moved beyond its normal full throttle position into an emergency position.

2,031,528
WIRE BROADCASTING SYSTEM
Peter Pendleton Eckersley, Chelsea, London, and Rupert Evan Howard Carpenter, London, England
Application July 26, 1934, Serial No. 737,180
In Great Britain August 1, 1933
9 Claims. (Cl. 179—2.5)

2. A multi-channel high frequency wire-broadcasting system comprising in combination, a distributing network, a plurality of amplifiers each effective over a band of frequencies and each associated with one of the channels, a plurality of step-down transformers each interposed between the output of one of said amplifiers and said distributing network, a plurality of band-pass filters each interposed between one of said amplifiers and said distributing network and a plurality of rejector circuits interposed between one of said amplifiers and said distributing network, each designed to present a high impedance to a band of frequencies, the effective reactance of each of said



rejector circuits constituting part of the reactance of the corresponding band-pass filter.

2,031,529
PROCESS FOR THE PREPARATION OF MERCAPTANS
Eberhard Elbel and Alfred Kirstahler, Duesseldorf, Germany, assignors to Henkel & Cie., Gesellschaft mit beschränkter Haftung, Duesseldorf, Germany
No Drawing. Application March 14, 1933, Serial No. 660,775. In Germany April 4, 1932
1 Claim. (Cl. 260—156)

A process for the preparation of high molecular aliphatic mercaptans, which comprises treating didodecyl disulphide with NaHS.

2,031,530
MOUNTING FOR RIMLESS LENSES
Charles R. Esslck, Reading, Pa., assignor to Pennsylvania Optical Co., Reading, Pa., a co-partnership composed of William W. Esslck and Charles R. Esslck
Application October 19, 1933, Serial No. 694,291
7 Claims. (Cl. 88—47)

1. An ophthalmic mounting having, in combination, a lens having two oppositely disposed faces and an aperture extending through the lens from one of the faces to the other face, two members between which the lens is received, one of the members having a face positioned adjacent to one of the lens faces and the other member having a face positioned adjacent to the other lens face, the members each being provided with an opening extending therethrough, the openings and the lens aperture being disposed along substantially a straight line, the opening in one of the members being substantially cylindrical and screw threaded, and a correspondingly substantially cylindrical, threaded post received in the openings and the lens aperture and being threaded in the threaded opening to secure the lens and the members together, the axis of the cylindrical

threaded opening being inclined at a substantial angle to the said straight line and to the normal to the said face of the member provided with the threaded opening, whereby the portion of the post threaded in the threaded opening is bent out of said line to prevent accidental turning movement of the post.

2,631,531
JAR CLOSURE
Frank Fiene, North Platte, Nebr.
Application November 24, 1933, Serial No. 699,666
1 Claim. (Cl. 215—35)



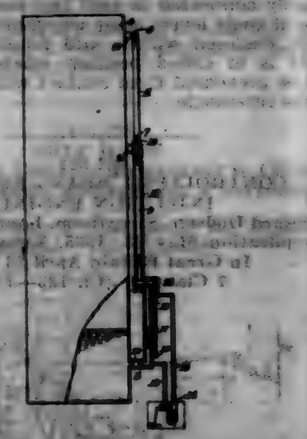
In a jar closure, a flexible jar insertable cap, a slit expansible retaining ring for engagement into the cap to expand the cap against the inside of the jar, the ends of the ring being bent backwardly in opposite direction, and a projection on the ends of the said backwardly bent portions, the said projection extending inwardly of the ring proper, said backwardly bent portions adapted for overlapping relation when the ring is engaged with a cap.

2,631,532
ELECTRIC PENCIL
Ralph H. Goldman, Chicago, Ill., assignor of one-half to David G. Einstein, Chicago, Ill.
Application May 24, 1933, Serial No. 672,697
1 Claim. (Cl. 219—29)



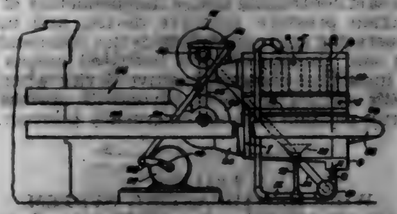
A device of the type described comprising a tubular metallic point, an electrical resistance unit positioned within said tubular metallic point, insulating material surrounding the electrical resistance unit and positioned between the latter and the inner wall of said metallic point, a grip member, a mineral lava connection between the grip member and said metallic point, said mineral lava connection comprising two portions provided with perforations, tubular rivets passing through certain of the perforations in said portions for connecting the two together, a perforated metallic disc associated with each of said portions, said metallic discs being larger in diameter than the cross-sectional perimeter of said grip member, insulating material disposed upon said grip member, and wires extending through said grip member and connected with said electrical resistance.

2,631,533
COLUMN LEVEL GAUGE
James W. Gray, New York, N. Y.
Application April 8, 1933, Serial No. 665,695
7 Claims. (Cl. 73—34)



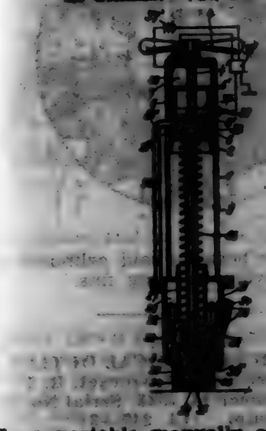
1. A tower level indicator, comprising in combination with a tower a gauge column having top, bottom and intermediate tower connections, a level gauging instrument, said gauge column including sumps in the intermediate portion of the same and selectively usable connections from said sumps to said gauge instrument.

2,631,534
AIR COOLING DEVICE
Robert H. Hardin, Bakersfield, Calif.
Application November 2, 1931, Serial No. 571,331
1 Claim. (Cl. 62—139)



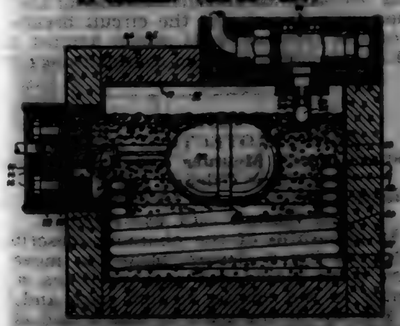
An apparatus for the treatment of air, comprising a body portion including upper and lower compartments, spaced vertical water tubes within the upper compartment, a spray head in the lower compartment, a pump, a pipe establishing communication between the pump and upper compartment, said pump adapted to draw water from the lower compartment and force the water through the pipe to the water tubes, said pump also forcing a portion of the water through the spray head, means for drawing air of atmospheric temperature through the water passing from the spray head, setting up rapid evaporation with the lower compartment lowering the temperature of the water delivered to the tubes, cooling the tubes, and means for forcing air to be cooled against the tubes.

2,631,535
RAM
Ernst Kleinow, Leipzig, Germany, assignor, by mesne assignments, to Meco-Bremskraft-Maschinen G. m. b. H., Frankfort-am-the-Main, Germany
Application August 17, 1932, Serial No. 629,265
In Germany August 20, 1931
12 Claims. (Cl. 122—7)



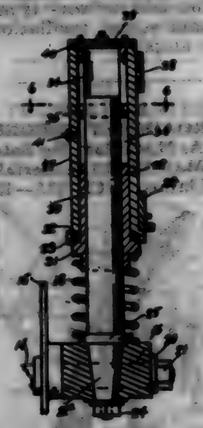
1. In a portable manually operated internal combustion ram hand tool, a ram body having a cylinder therein, a working piston in said cylinder, said ram body and piston being mounted for relative movement in a direction axially of the cylinder, said ram body having a chamber communicating with said cylinder, a fuel feeding piston movable in said chamber, said ram body having a vaporizing chamber therein for holding liquid fuel communicating with said first chamber, said vaporizing chamber being located below said cylinder, said ram body having an annular chamber within said vaporizer chamber, a piston rod connected to said first piston and extending through said annular chamber, and a coil spring around said piston rod normally urging said piston into said cylinder, said spring extending into said annular chamber.

2,631,536
REFRIGERATING APPARATUS
Jesse G. King, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application December 28, 1932, Serial No. 649,688
Renewed July 17, 1935
11 Claims. (Cl. 62—126)



1. A refrigerating system comprising in combination, an evaporator adapted to contain a body of liquid refrigerant, means for maintaining the body of liquid refrigerant at a normal substantially constant level, a compressor, a gaseous refrigerant suction line communicating with said compressor and with said evaporator, said suction line including vertically disposed intake portions exposed to the interior of the evaporator, and means for closing some of said suction line intake portions automatically in response to an increase above normal in the level of the body of liquid in the evaporator.

2,631,537
SPRING AXLE
George N. Knox, Alliance, Ohio
Application June 13, 1934, Serial No. 730,523
2 Claims. (Cl. 267—66)



1. A spring axle including a cylindrical housing adapted to be mounted on the frame of an automobile, a sleeve rotatably mounted in the housing and provided with longitudinal slots, an axle housing, a pivot rod movable longitudinally in the sleeve and connected at one end with the axle housing, a key on the inner end of the rod engaging in the slots of the sleeve, and a spring disposed about the pivot rod and having an end bearing against one end of the sleeve, and a second end bearing against the axle housing.

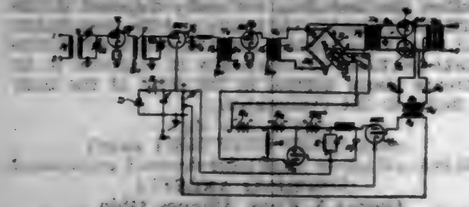
2,631,538
PROCESS FOR METAL CASTING
Paul C. Lemmerman, Cleveland Heights, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Original application June 13, 1932, Serial No. 617,947. Divided and this application November 29, 1934, Serial No. 755,365
3 Claims. (Cl. 22—190)

1. In a process of casting metals the step of pouring the molten metal into a container lined with a porous agglomerated material comprising sand, the grains of which are bonded together through an anhydrous unfused alkali metal silicate and an alkaline earth metal silicate.

2,631,539
METHOD AND MEANS FOR REDUCING ELECTRICAL DISTURBANCES
David G. McCue, Philadelphia, Pa.
Application January 23, 1936, Serial No. 60,317
23 Claims. (Cl. 250—20)

3. In a receiving system, means for reducing the effects of disturbing oscillations on signal oscillations comprising a balancing network, nor-

mally unbalanced to cause said signal oscillations to pass therethrough, means for amplifying said signal oscillations from the output of said network, means for deriving a uni-directional voltage from said amplified signal oscillations, and means for applying said derived voltage to said network whereby said network is maintained unbalanced for said signal oscillations in accordance with their amplitudes.



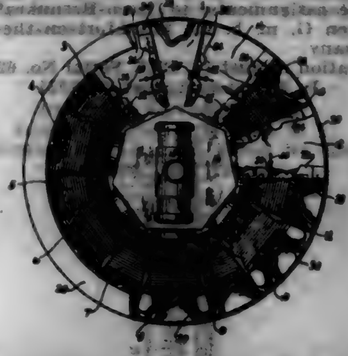
2,031,540
BROADCAST SEEDER
Joseph A. Macaulay, De Soto, Wis.
Application May 22, 1935, Serial No. 22,985
7 Claims. (Cl. 275—12)



1. In a machine of the class described, a seed supply hopper at the front of the machine, a shaft depending from the bottom of said hopper and having a longitudinal bore in communication with said hopper, a pair of seed distributing members rotatably mounted on said shaft in superposed relation, said hopper and shaft each having a discharge aperture therein for gravitational feed of seed therethrough from the hopper to one of said members, said apertures being disposed upon opposite sides of the axis of rotation of said members, respectively, and in substantially the transverse center of said shaft, and means operative to rotate said members in opposite directions respectively.

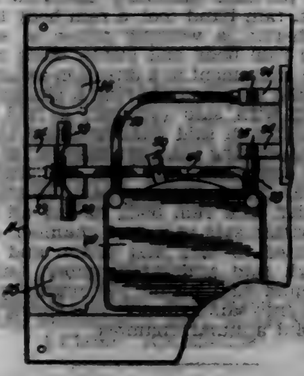
2,031,541
ENGINE COOLING SYSTEM
Albert Lewis MacClain, Manchester, Conn., assignor, by mesne assignments, to United Aircraft Corporation, a corporation of Delaware
Application July 8, 1932, Serial No. 621,425
2 Claims. (Cl. 123—171)

1. Means for decreasing the drag of an air-cooled radial engine having heat radiating fins and increasing its heat radiating properties comprising a cowl of substantially ring form enclosing the entire finned area of said engine and extending with diminishing size in the direction of travel of said engine said cowl being open in front and in back, and baffles between the cylinders of said engine, substantially completely



closing the space between said cylinders except between the individual cooling fins.

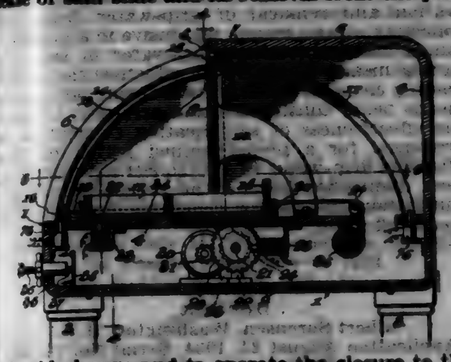
2,031,542
EXTENDED ELECTRICAL OUTLET
Paul Manchester, Pawtucket, R. I.
Application December 15, 1933, Serial No. 702,571
1 Claim. (Cl. 247—8)



A combined junction and distribution box for building construction designed for elimination of fuse plugs, comprising an elongated casing adapted for wall mounting and for housing electrical wires for necessary circuit connections, a plurality of outlets in the casing for electrical appliances and an automatic circuit breaker in the casing operative to prevent overload of the wires connected in the circuit the circuit breaker being of the type which is sealed against unauthorized adjustment of the overload mechanism.

2,031,543
BANK PROTECTING DEVICE
Christian Joseph Meunier and Harold Stember, New Orleans, La.
Application February 15, 1935, Serial No. 6,715
12 Claims. (Cl. 29—1.01)

4. In apparatus of the character described, a counter having a closure, means to move said closure to its closed and open positions, a slide mounted on the counter to slide back and forth into and out of the path in which said closure moves, means normally holding said slide projected into the path of said closure, means to remove said slide from the path of said closure and controlling means operative to effect the release of said slide and its removal from the path



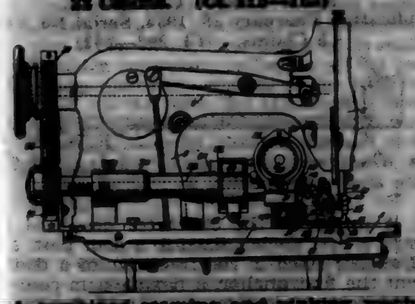
of said closure and to operate the closure to the closed position.

2,031,544
LOADING DEVICE FOR MINING MACHINES
Matthew Smith Moore, Malvern, England, assignor of one-half to The Mining Engineering Company Limited, Worcester, England, a British company
Application April 4, 1934, Serial No. 718,962
In Great Britain April 7, 1933
11 Claims. (Cl. 198—9)



1. In a loading device for mining machine, a frame, a gear box on said frame, an overhung bar journalled adjacent one of its ends in said gear box, picks on said bar, means for rotating said bar, a comb on said frame, the side of said comb adjacent said bar being provided with ribs projecting towards the bar between said picks, said ribs encircling said bar for a substantial position of its circumference both above and below the axis of said bar, said ribs terminating above pavement level.

2,031,545
COMBINED SEAMING AND PINKING MACHINE
Harley C. Moulton, Maplewood, Mo., assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo., a corporation of Maine
Application September 17, 1934, Serial No. 744,445
22 Claims. (Cl. 112—125)



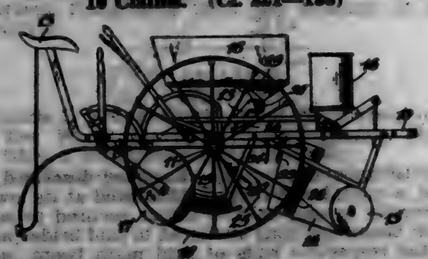
1. A combined seaming and pinking machine including a reciprocable needle and a work supporting base, and a pink cutting attachment mountable on and removable from the base as a unit and including a base plate, pink cutting

means disposed in cooperative relation to said needle, and pneumatic means for disposing of the cuttings resulting from the pink cutting operation.

2,031,546
RESIST EFFECTS WITH AZO DYESTUFFS
Charles Schwabe Parker, Charles Leonard Wall, and Franklin Farrington, Bolton, England
No Drawing. Application July 13, 1933, Serial No. 680,332. In Great Britain July 20, 1932
4 Claims. (Cl. 8—5)

1. In a process of dyeing, first applying to selected areas of a fabric a resist containing aluminium acetate, thickening, unswollen starch and a peptizer for said starch, then applying to the fabric a passive component and then treating the fabric with a diazo compound.

2,031,547
POTATO PLANTER
John Reuther, East Aurora, N. Y.
Application August 16, 1934, Serial No. 740,170
10 Claims. (Cl. 221—133)



1. In a potato planter, a receiver for the potatoes including a potato-engaging trough having a counter-groove therein below the plane thereof, and movable means mounted on said frame to traverse the receiver and having releasable potato-engaging jaws thereon, one of the jaws facing outwardly and being spaced from the bottom of the receiver, and the companion jaw being releasably movable toward and from the first-named jaw and engaging said counter-groove while traversing the receiver with its gripping face substantially flush with the adjoining bottom side of the receiver, the releasable jaw contacting with the bottom of the counter-groove to retain it in its open position to receive a potato.

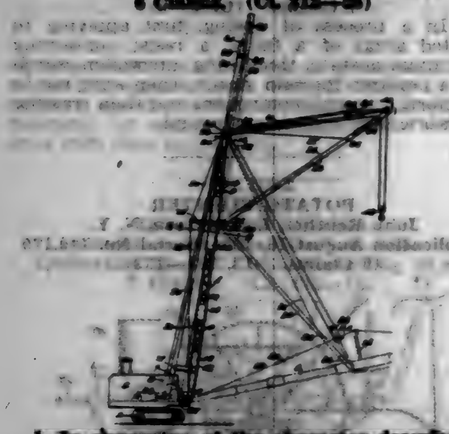
2,031,548
PLOWSHARE
John A. Romine and John M. Romine, Etna Green, Ind.
Application February 19, 1935, Serial No. 7,285
2 Claims. (Cl. 97—115)



1. In a plow, a share, a point, the adjacent edges of the point and share being beveled with the bevel of the share overlapping that of the point, means for attaching the parts in a de-

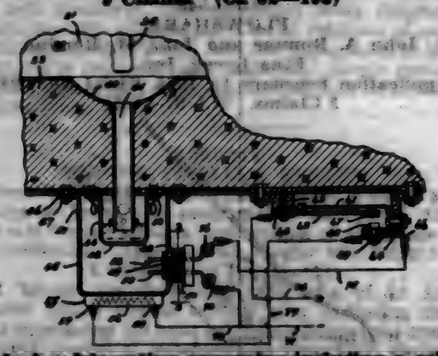
tachable manner to the plow, the lower portion of the rear edge of the point having a notch therein and the lower portion of the front edge of the share having a projection thereon fitting into the notch.

2,031,549
CRANE
Seymour W. Ruff, Baltimore, Md.
Application February 14, 1935, Serial No. 6,562
6 Claims. (Cl. 212—58)



1. In apparatus of the character described, a base, a main boom hingedly mounted at its lower extremity to said base, a bridge secured to said main boom, hog rods anchored to said bridge and to the respective ends of said main boom, said bridge extending transversely from the main boom rearwardly, an auxiliary boom hingedly mounted on said main boom at the front thereof and adjacent said bridge, a main boom elevating and lowering cable and a drum therefor carried by said base, an extension boom lowering and raising cable and a drum therefor carried by said base, a load cable carried by said booms and a drum therefor carried by said base.

2,031,550
REFRIGERATING APPARATUS
Jacob Smlinck, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 31, 1934, Serial No. 750,849
9 Claims. (Cl. 62—103)



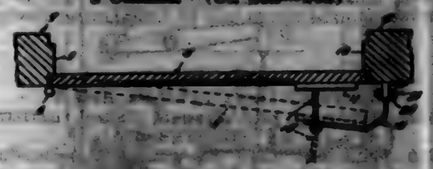
1. A refrigerating apparatus including a cabinet, means for cooling air adapted to flow thereover mounted in said cabinet, said cooling means having moisture dripping therefrom, means for collecting the drip-water from said cooling means, an electrical heating element for causing evaporation and removal of drip-water from said collecting means, means responsive to a predetermined accumulation of drip-water in said collecting means for initiating effectiveness of said heating element, and a portion of said last named means being constructed and arranged to cause the effectiveness of said heating element to be prolonged for a predetermined period of time after the drip-water in said collecting means has been diminished beyond the predetermined accumulation thereof for rendering the initiating means effective.

2,031,551
HEATER
Albert Sorensen, Washington, D. C.
Application August 24, 1934, Serial No. 741,301
6 Claims. (Cl. 122—256)



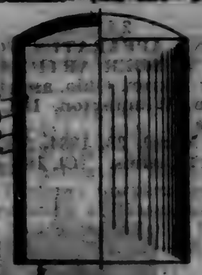
1. In a water heater, the combination of a casing including opposite upright parallel walls of fireclable heat insulating material, and at least two groups of water tubes, each group comprising a plurality of serpentine tubes arranged in side by side contact with each other throughout at least the greater portion of their length, the outermost of the tubes of each group in side contact with said walls of fireclable heat insulating material, and the groups of water tubes arranged with the greater portion of the length of the tubes of one group in spaced parallel relation to the similar portion of the tubes of the adjacent group whereby gases of combustion follow a tortuous course between the groups of water tubes and sweep the tubes longitudinally over their entire length.

2,031,552
MEANS FOR LOCKING A DOOR
Mandel Sloane, Chicago, Ill.
Application February 19, 1934, Serial No. 711,625
5 Claims. (Cl. 292—283)



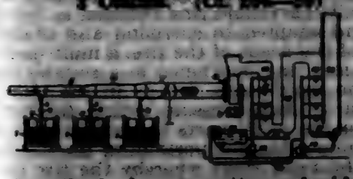
1. A device of the character described comprising a first anchor fixed to a door post, a second anchor fixed to the free edge of a door adjacent the first anchor, a flexible arm connected to and between said anchors, said flexible arm comprising a first relatively rigid link relatively rigidly and separably connected at one end to said first anchor and being formed with a hub through its opposite end, and a second relatively rigid link loosely slidable through said hole, one end of said second link being slidably connected to said second anchor for movement along said second anchor and the opposite end of said second link being provided with a stop to limit the sliding of the first link thereon in a direction away from said second anchor.

2,031,553
TANK FOR STORAGE OF LIQUIDS, ESPECIALLY HYDROCARBONS
Askan Willy Syndergaard, Copenhagen, Denmark
Application July 13, 1934, Serial No. 735,042
In Denmark January 8, 1934
6 Claims. (Cl. 220—1)



1. A fluid-tight storage tank, comprising a sheet metal receptacle, a layer of concrete on the outer surface of the receptacle, and a heat insulating cover on the outer surface of the said layer of concrete.

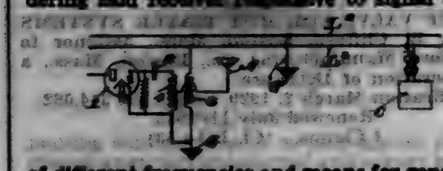
2,031,554
RECOVERY OF THE GASES AND DUST EVOLVED IN THE ELECTROLYTIC MANUFACTURE OF ALUMINIUM
Pierre Jean Michel Turchet, St. Jean de Maurienne, France, assignor to "Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue", Paris, France, a corporation of France
Application April 4, 1934, Serial No. 718,401
In France April 5, 1933
7 Claims. (Cl. 204—67)



1. A method of recuperating valuable matters in the manufacture of aluminium by treatment in electrolytic tanks, of alumina dissolved in melted fluorides, which comprises, collecting all the gases accumulating above the surface of the bath in a space out of contact with the atmosphere, introducing into said space an air stream which mixes with said gases so as to cool the surface of the bath and to render these gases inexplosive, and washing this mixture of gases with a soda alkaline solution.

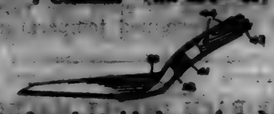
2,031,555
SYSTEM FOR REMOTELY CONTROLLING A RADIO RECEIVER
Albert S. Blattermann, Asbury Park, N. J.
Application April 20, 1931, Serial No. 531,000
6 Claims. (Cl. 250—20)

1. In a remotely controlled radio receiving system adapted to be controlled over an electric power supply line, the combination of a receiver having an antenna input circuit, and signal reproducing apparatus, control means for controlling said receiver, means for coupling said control means to the power supply line at a point remote from said receiving apparatus, said control means including means for generating high frequency currents of various frequencies for rendering said receiver responsive to signal energy



of different frequencies and means for generating a high frequency control current of fixed frequency, both of which currents are impressed on the power supply line, coupling means for connecting the signal input circuit of said receiver to an electric power supply line and means connected to the input circuit of said radio receiver for preventing radiation of any of said control current frequencies from the antenna of said receiver.

2,031,556
SHOVEL
Francis C. Brandenburg, Piqua, Ohio, assignor to The Wood Shovel & Tool Company, Piqua, Ohio, a corporation of Ohio
Application July 11, 1933, Serial No. 680,067
7 Claims. (Cl. 294—57)



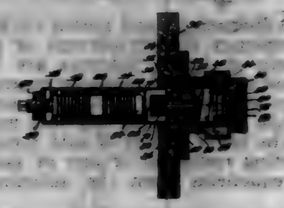
1. In a shovel, a blade and a handle-socket formed from a single piece of sheet metal, the metal at the juncture of the blade and socket being bent to form a frog that rises from the front of the blade and evolves into the socket, leaving a deep depression in the back of the blade, which depression joins the hollow of the socket, the socket being an elongate extension of the frog, which extension is bent to a tubular form with its edges abutting, this abutting relationship continuing to a point near said recess, where the edges separate and by a curvilinear divergence join the shoulders of the blade, leaving a cleft in the lower end of the socket, and a cover for said recess, having a tongue that projects into the socket to serve as a cover for said cleft, the margins of the recess-cover being welded to the margins of the recess, and means within the socket to hold the tongue and socket in movable contact comprising a short driven plug separate from the handle and having such size and fit that the tongue and the socket are normally held in fixed relationship but capable of relative movement in contact when the shovel is deformed.

2,031,557
RESINOUS AMINO DERIVATIVES AND PROCESS OF PREPARING
Herman A. Brunen, Philadelphia, Pa., assignor to The Resinous Products & Chemical Co., Inc., Philadelphia, Pa.
No Drawing. Application December 8, 1933, Serial No. 701,823
20 Claims. (Cl. 260—4)

1. The process for preparing resinous amines which comprises reacting on a soluble, fusible

phenolic-formaldehyde resin with additional formaldehyde and a strongly basic, non-aromatic secondary amine, at least one mol of said secondary amine and at least one mol of additional formaldehyde being employed for each mol equivalent to said phenolic-formaldehyde resin.

2,031,858
RELIEF VALVE FOR HOT WATER SYSTEMS
Walter B. Clifford, Boston, Mass., assignor to Clifford Manufacturing Co., Boston, Mass., a corporation of Delaware
Application March 2, 1929, Serial No. 344,062
Renewed July 11, 1933
2 Claims. (Cl. 137—53)



1. A relief valve for hot water systems comprising a threaded plug, a tubular sleeve connected with the plug at its inner end, a separate valve ring within the plug, an inner member clamping the tubular sleeve and the valve ring within the plug, a valve loosely received within the ring and co-operating therewith, and a bellows thermostat supported within the tubular sleeve and operating to open the valve on attainment of predetermined temperatures.

2,031,859
LITHOGRAPH OFFSET MACHINE PLATE CLAMP
George F. Daminatis, Cleveland, Ohio
Application February 25, 1935, Serial No. 8,102
2 Claims. (Cl. 101—415.1)



1. In a device of the class described, a plate adapted to be wrapped around the surface of a roller, said plate having lapped ends, clamps at the ends of said plate, said lapped ends fitting in said clamps, and means to attach said clamps to said roller, said means comprising a set of eyelets at the sides of said clamps adapted to engage a set of hooks on said roller.

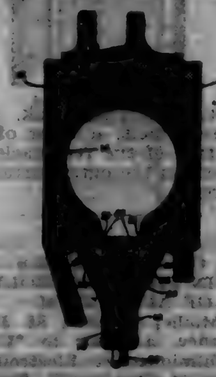
2,031,860
METHOD AND APPARATUS FOR TREATING RUBBER ARTICLES
Ralph B. Day, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application September 4, 1931, Serial No. 561,152
5 Claims. (Cl. 18—43)

1. An apparatus for vulcanizing a hollow rubber article containing fibrous material embedded therein comprising an inclosing mold, means for inflating the article by direct pressure of fluid against the inner surface thereof, and means co-operating with the mold and extending therethrough for puncturing the article into the fibrous



material to permit the escape of imprisoned fluid from within said material.

2,031,861
METHOD AND APPARATUS FOR TREATING RUBBER ARTICLES
Ralph B. Day, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application March 22, 1934, Serial No. 717,064
17 Claims. (Cl. 18—43)

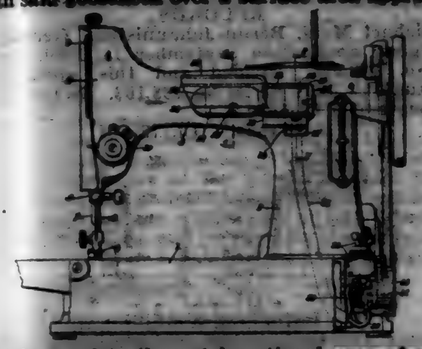


10. Apparatus for the production of tires without the use of airbags comprising cooperating mold halves for surrounding and shaping the exterior of the tread and sidewall portions of the tire, a multi-part mold ring received in the mold halves and adapted to surround and shape the exterior of the beads of the tire, a multi-part expandible mid ring positioned in a suitable channel in the mold rings, means in the mid ring controlled by fluid pressure within the tire for expanding the mold-parts thereof laterally and for clamping extending portions of the tire beads against the mold rings whereby the tire can be vulcanized without an airbag.

2,031,862
ELECTRICALLY LIGHTED SEWING MACHINE
Herbert J. Goodman, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application July 12, 1932, Serial No. 622,319
10 Claims. (Cl. 240—2.16)

10. The combination with a sewing machine having a bed and a goosneck with a relatively large heat-radiating surface, of an electric lighting device including a miniature electric lamp of at least 15 watts power consumption disposed entirely at one side of the central vertical plane of the goosneck and having a one-piece inverted trough-shaped metallic lamp-shade and tubular lamp-socket shell of relatively high heat con-

ductivity detachably seated in thermal contact with said goosneck over a surface area approxi-



mately equal to the axial sectional area of said lamp-bulb.

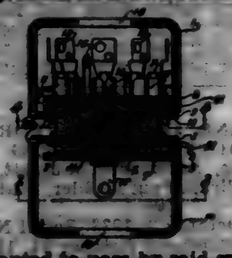
2,031,863
FASTENER INSTALLATION AND FASTENER FOR THE SAME
Walter I. Janes, Arlington, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application May 9, 1933, Serial No. 670,134
4 Claims. (Cl. 85—13)



1. A fastener installation of the class described comprising, in combination, a supporting structure, a covering structure having means providing an aperture at one face thereof and a snap fastener member securing the covering structure to the supporting structure, said snap fastener member having a base, a head and neck extending from said base, said head and neck portions located substantially in the center of said base, the base of the fastener member having a notch extending from one side thereof toward and past and at one side outwardly of the point where the neck portion joins the base, thereby to permit attachment of the fastener member to the covering structure by insertion of the base of said member through said aperture by rotation only, said aperture being of such size and shape in relation to the size and shape of the base of said fastener member that when said fastener member is attached to said covering structure at least one portion of said base will overlap the walls surrounding said aperture during any lateral movement of said fastener member whereby said base is prevented from slipping through said aperture.

2,031,864
SEPARABLE ELECTRICAL CONTACT DEVICE
Carl L. Knutson, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application September 9, 1933, Serial No. 688,304
5 Claims. (Cl. 173—322)

1. A device of the class described including a contact-carrying plate structure having two superposed plates of insulating material yieldable away from each other adjacent to their peripheries, means between said plates to maintain them in spaced relation, one plate being smaller than the other and having cut away portions at its periphery, a cup-shaped housing for assembly with said contact-carrying plate structure and a plurality of inwardly extending shoulder-presenting projections on the wall of said cup-shaped



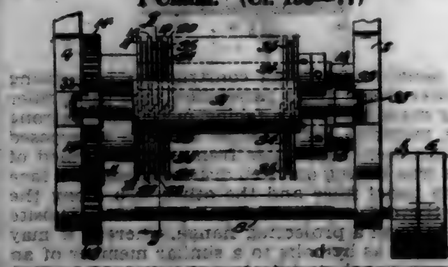
housing adapted to pass by said smaller plate at the cut away portions thereof and engage between said plates upon rotation of said housing relative to said plate structure.

2,031,865
POWER TRANSMITTING BELT
Edward D. Kramp, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application November 2, 1933, Serial No. 696,462
3 Claims. (Cl. 74—238)



2. A power-transmitting belt comprising a pulley-engaging, power-transmitting portion formed of a plurality of longitudinally extending, load-carrying rubberized cords in parallel arrangement, a belt-shifting portion formed of a plurality of plies of square-woven, bias-cut rubberized fabric, said belt-shifting portion being disposed at the outer side of said power-transmitting portion and being of greater width than the same so as to overhang a pulley in spaced relation thereto, and an outer envelope of square-woven, bias-cut rubberized fabric encasing both of said portions, and all vulcanized together to provide a unitary structure of T-shape in cross-section, the bias-cut fabric of said belt-shifting portion and said envelope presenting the ends of the warp and woof strands thereof to the wearing action of the belt-shifting mechanism.

2,031,866
CRINKLED TINSEL PRODUCING MACHINE
Philip Kranz, Philadelphia, and Adolph Hartmann, Elkins Park, Pa., assignors to Bernard Wilmsen, Philadelphia, Pa.
Application December 29, 1934, Serial No. 759,706
1 Claim. (Cl. 152—77)



A crinkled tinsel producing machine comprising a pair of juxtaposed shafts, a plurality of cutter disks rigidly mounted on said shafts in staggered cooperative relation to each other, a

plurality of spacer disks mounted on said shafts intermediate said cutter disks, said spacer disks being of considerably lesser diameter than the diameter of the cutter disks, and floating rings mounted loosely on said shafts whereby the bottom edges of said floating rings extend to and below the lower periphery of said cutter disks.

2,031,567
METHOD AND APPARATUS FOR MANUFACTURING PACKING

Wilhelm Liedle, Stuttgart-Cannstatt, Germany, assignor to Firma Paul Lechler, Stuttgart, Germany

Application October 3, 1933, Serial No. 691,984
In Switzerland October 24, 1932
5 Claims. (Cl. 153—1)



1. The process of forming packing from soft, flexible fibrous core material and thin soft metal strip which comprises placing the longitudinal axis of an elongated body of soft, flexible fibrous core material substantially parallel with the longitudinal axis of a strip of thin soft metal, with the elongated body of core material substantially nearer one edge of the thin metal strip than the other edge and with the elongated body of core material in close relation with the thin metal strip, and while the said thin metal strip and body of fibrous core material are in said relative position, imparting lengthwise motion to them in the same direction, and during such motion, at a plurality of points along the length of the body of fibrous core material and thin metal strip, winding in stages the metal strip as an envelope a plurality of times about the body of fibrous core material with the width of the thin metal strip substantially perpendicular to the longitudinal axis of the body of fibrous core material, the winding at each of said aforementioned points only partially winding the said strip of metal about the body of fibrous core material, but winding at sufficient points being performed to wind the metal strip a plurality of times about the body of fibrous core material.

2,031,568
BUILDING CONSTRUCTION

William H. Masse, Laurel, Miss., assignor to Masonite Corporation, Laurel, Miss., a corporation of Delaware

Application November 28, 1933, Serial No. 700,632
1 Claim. (Cl. 189—34)

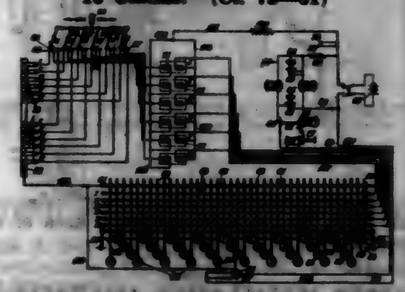


A panel for building construction comprising an outer frame and a panel filler, said panel filler being made up of two facing members of strong sheet material and a frame skeleton interposed therebetween, said outer frame being formed of angle iron having one web disposed against a face of the panel filler and the other web along the edge thereof and extending beyond the opposite face to form a projecting flange, whereby it may be secured as by bolts to a similar member of an adjacent panel, and fastening means extending through the first named web and through the facing sheets and skeleton frame members constituting the panel filler.

2,031,569
VERIFYING MACHINE FOR PERFORATED RECORDS

Michael Masi, Berlin-Johannisthal, Germany

Original application September 15, 1930, Serial No. 482,062. Divided and this application August 2, 1934, Serial No. 738,163. In Germany September 28, 1929
16 Claims. (Cl. 71—61)



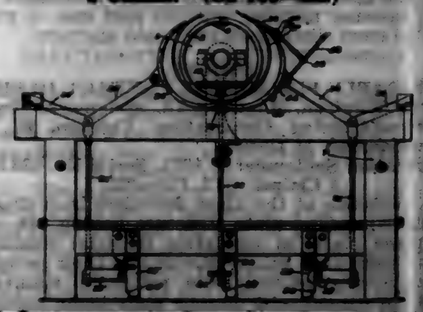
1. A verifying machine for perforated record cards having a plurality of superpositioned record decks, each deck comprising a plurality of adjacent record columns, said machine including a set of verifier keys for a single record column adapted for verification of a record deck column by column and being common to said plurality of record decks, error detecting means under the joint control of said verifier keys and the record column under verification, and means for selecting any one of said plurality of record decks for verification by said common set of verifier keys for a single record column.

7. In a verifying machine for perforated record cards having a plurality of superpositioned record decks, each deck comprising a plurality of adjacent record columns, an individual set of analyzing means for each record deck, a set of verifier keys provided for a single record column and adapted to coact with said analyzing means in the verification operation column by column, error detecting means under the joint control of said analyzing means and said verifier keys, and shifting means common to all keys of said set of keys for selectively and operatively connecting said common set of keys to any one of said sets of analyzing means.

2,031,570
MACHINE FOR MAKING DRUMS, KEGS, AND THE LIKE

Robert Arthur Muller, Wellesley, Mass., assignor to Atlas Plywood Corporation, Boston, Mass., a corporation of Massachusetts

Application March 4, 1934, Serial No. 714,579
8 Claims. (Cl. 144—263)



1. In an apparatus for making drums and similar articles, the combination of a mandrel, means

for operatively supporting said mandrel horizontally, two forming members at opposite sides of said mandrel mounted for movement toward and from it and cooperating with the mandrel to bend a sheet of plywood, or the like, closely around said mandrel, means operable to move said members inwardly into cooperative relationship to said mandrel, the upper edges of said forming members being spaced apart by a substantial distance at the top of the mandrel when said members are at the inward limit of their movement, and an interrupted extension projecting from the upper edge of one of said members toward the other and overlapping a considerable part of the space separating said upper edges.

2,031,571
SEALED BEARING

Karl Gustav Valentin Nilsson, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden

Application July 6, 1935, Serial No. 30,851
In France April 11, 1935
6 Claims. (Cl. 308—187)



1. An anti-friction bearing comprising an outer race ring, an inner race ring and rolling elements between the said race rings, there being a peripheral groove in the internal surface of the outer race ring laterally of the raceway, the said groove being wider at its mouth than at the bottom, and a closure member located in the groove, the said closure member being frictionally held between the side walls of the groove, free of the bottom of the groove.

2,031,573
COVER FEEDER FOR BOOK MATCH MACHINES

Lucian E. Parker, Wadsworth, Ohio, assignor to The Ohio Match Company, Wadsworth, Ohio, a corporation of Ohio

Application April 15, 1935, Serial No. 16,531
3 Claims. (Cl. 271—14)

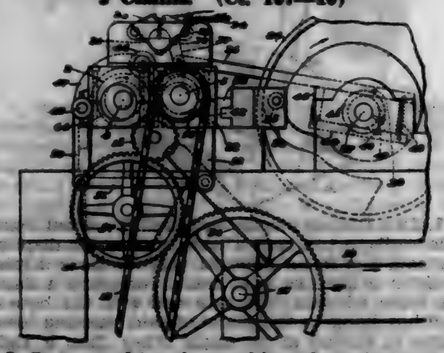


1. In a cover feeder for book match machines, means for positioning a plurality of cover blanks in juxtaposed relation, means for transporting said blanks successively to a match book assembling mechanism, means for displacing one end of each of said blanks successively from said plurality, means for successively withdrawing the thus displaced blanks, and oscillatable positioning means for successively positioning each of the blanks thus withdrawn in said transporting means, said positioning means lying in the path of movement of said withdrawing means and spanning same and acting to depress the withdrawn blanks into underlying parts of said transporting means.

2,031,573
MACHINE FOR USE IN THE MANUFACTURE OF CHEWING GUM

Conrad E. Petersen, Malden, Mass., assignor to De Long Gum Co., South Boston, Mass., a corporation of Massachusetts

Application October 3, 1931, Serial No. 691,972
3 Claims. (Cl. 107—10)

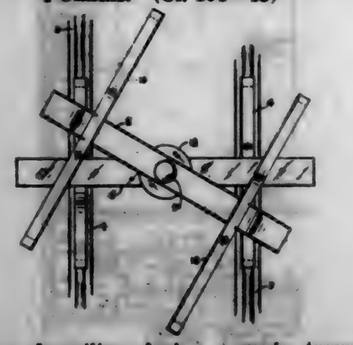


2. In a machine for making shaped pieces of chewing gum, the combination of two parallel horizontal forming rolls for acting simultaneously on opposite sides of an elongated body of chewing gum, mechanism for revolving said rolls, said rolls being shaped to work said body of gum into a plurality of pieces of approximately predetermined shape and dimensions, bearings for said rolls including eccentric bushings supporting the rolls for rotation and bearing members in which the bushings are mounted for independent rotary adjustment about the axes of the respective rolls, and mechanism for reciprocating one of said forming rolls toward and from its companion roll.

2,031,574
DERAILING DEVICE

Thomas J. Reagan, Scranton, Pa., assignor, by direct and mesne assignments, to The Railway Track-Work Co., Philadelphia, Pa., a corporation of Pennsylvania

Application April 5, 1935, Serial No. 14,803
4 Claims. (Cl. 104—45)



1. In a de-railing device, a main transverse frame comprising two frame members pivotally

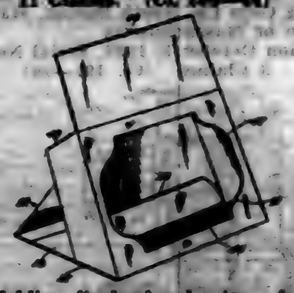
connected together one above the other, longitudinal side support members removably interlocked with the lower one of said frame members whereby to support said member on the rails of a railroad track, and a pair of track members removably interlocked with the other of said frame members and pivoting therewith.

2,031,575

FOLDING BOX

Frank L. Roe, Chicago, Ill., assignor to Pinkerton Folding Box Co., Chicago, Ill., a corporation of Illinois

Application September 4, 1934, Serial No. 742,569
11 Claims. (Cl. 206—44)



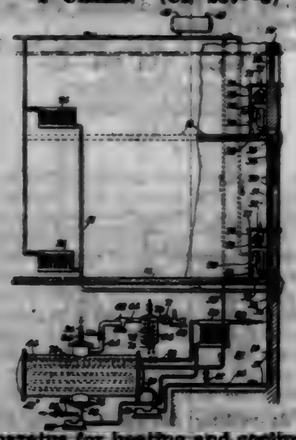
1. In a folding display box having a front, back, side walls, a top, and a base, means for displaying said box in an inclined position on a display counter or the like, said means including a slanting lower edge on each side wall with the base of said box lying in the plane of said slanting lower edges to extend at an angle other than a right angle with the front and rear of the box and adapted to engage said display counter surface over the entire face of the base, and an easel support at the back of the box for maintaining the same in said inclined position, said easel including a base portion extending rearwardly at the lower back edge of the box, and an integral upright extension having a wing portion folding in an upright plane crossing the plane of the upright extension portion.

2,031,576

HEATING AND COOLING UNIT FOR BUILDINGS

George W. Saathoff, South Orange, N. J., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware

Application October 24, 1934, Serial No. 750,845
2 Claims. (Cl. 257—8)



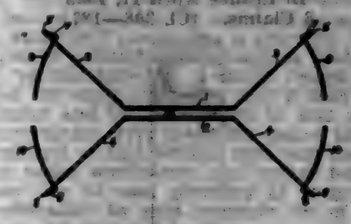
1. Apparatus for heating and cooling buildings comprising, an air conditioning chamber, a radiator mounted in said chamber in the path of air flowing therethrough, a heat exchanger having coils therein, water circulating tubes connecting the coils of said heat exchanger in closed circuit with said radiator and with a circulating pump, means for introducing a heating fluid into said heat exchanger around said coils, means for spraying water into said heat exchanger around said coils, and a vacuum pump having its inlet connected to said heat exchanger whereby water may be evaporated within said heat exchanger.

2,031,577

WIRE CLIP AND HANDLE

Carl A. Stevens, Carrollton, Ohio, assignor to The Carrollton Metal Products Company, a corporation of Ohio

Application July 19, 1935, Serial No. 32,218
6 Claims. (Cl. 220—4)



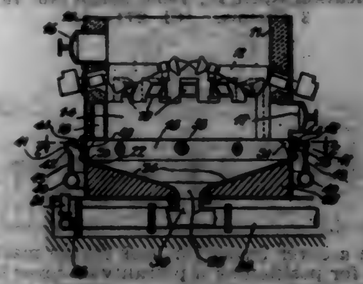
1. A one-piece wire clip consisting of a central part of spaced wire portions, wire portions diverging from the ends of the central wire portions, leg portions extending in a direction substantially perpendicular to the plane of the central part, inturned portions extending toward the center of the clip from the leg portions and including arcuate portions joining adjacent inturned portions said inturned portions being inclined from the leg portions toward the central part of the clip.

2,031,578

ASH DISPOSAL APPARATUS

Harold M. Wilgus, South Ozone Park, N. Y., assignor to Combustion Utilities Corporation, New York, N. Y., a corporation of Maine

Application December 27, 1933, Serial No. 704,121
5 Claims. (Cl. 262—15)



1. A chamber adapted for the accumulation of

ashes and the like materials and provided with side walls and a central bottom outlet, a plurality of nozzles adapted to introduce a fluid under pressure within the said chamber upon the bottom surface thereof, said nozzles being arranged in the same horizontal plane at spaced intervals about the chamber walls, certain nozzles being directed obliquely inward tangentially to a circumference intermediate the bottom outlet and the chamber walls and other nozzles being directed obliquely inward tangentially to a second circumference, also intermediate the bottom outlet and the chamber walls, each of the said circumferences being concentric with the bottom outlet.

2,031,579

PREPARATION OF PHOSPHATES OF MANGANESE

Charles F. Booth, Anniston, Ala., assignor to Swann Research, Incorporated, a corporation of Alabama

No Drawing. Application April 13, 1933, Serial No. 665,964
9 Claims. (Cl. 23—105)

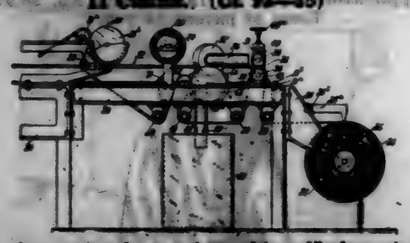
1. Process for the production of light colored manganese phosphates comprising first forming a soluble manganese compound in solution, treating said solution with an alkali carbonate to yield therein a pH of substantially 7.3 and to precipitate a basic carbonate of manganese, and then treating said carbonate precipitate directly with phosphoric acid in amount sufficient to form dry phosphates of manganese.

2,031,580

PROCEDURE AND APPARATUS FOR MAKING WINDOW BAGS AND WRAPPERS

Richard S. Grant and Alfred A. Schlegel, Akron, Ohio, assignors to The Jaite-Grant Display Bag Company, Cleveland, Ohio, a corporation of Ohio

Original application February 9, 1932, Serial No. 591,807. Divided and this application May 10, 1933, Serial No. 670,326
11 Claims. (Cl. 93—35)

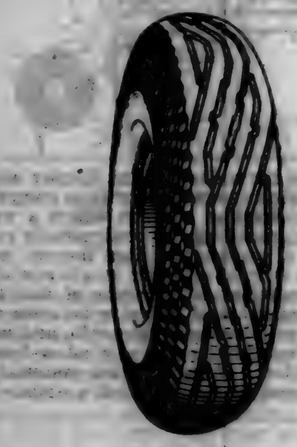


1. Apparatus for use in making display window commodity-enclosing material or bags comprising cooperating rotary dies between which a web of bag-forming material may be continuously passed to cut a series of window openings therein, means for applying a strip of adhesive lengthwise of the bag-forming material at each side of said series of openings and strips of adhesive between adjacent openings in alignment therewith, and means for applying a continuous web of window-forming material to said web of bag-forming material over said openings and over said adhesive strips.

DESIGNS

FEBRUARY 18, 1936

98,568
DESIGN FOR A TIRE
George W. Anderson, Akron, Ohio
Application April 19, 1935, Serial No. 56,471
Term of patent 14 years



The ornamental design for a tire, as shown and described.

98,569
DESIGN FOR A SHOE
Thomas R. Atkins, Cliftondale, Mass., assignor to Cecilia and Leighton Shoe Company, Lynn, Mass., a corporation of Massachusetts
Application December 31, 1935, Serial No. 60,365
Term of patent 3½ years



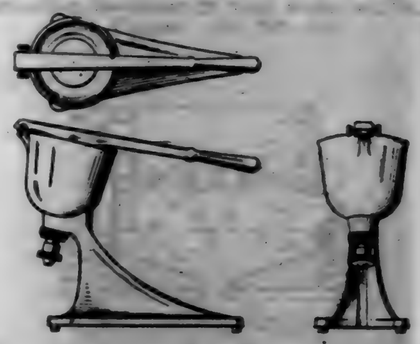
The ornamental design for a shoe, substantially as shown and described.

98,570
DESIGN FOR A SHOE
Thomas R. Atkins, Cliftondale, Mass., assignor to Farina Chaves Shoe Company, Lynn, Mass., a corporation of Massachusetts
Application January 11, 1936, Serial No. 60,529
Term of patent 3½ years



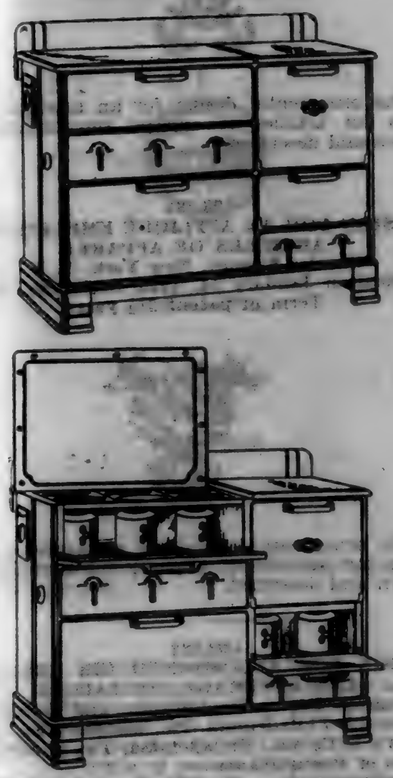
The ornamental design for a shoe substantially as shown and described.

98,571
DESIGN FOR AN EMULSIFYING MACHINE FRAME OR THE LIKE
Albert Richard Bannister, Sunbury-on-Thames, England, assignor to British Emulsifiers, Limited, Teddington, England, a corporation of Great Britain
Application October 28, 1935, Serial No. 49,259
Term of patent 3½ years



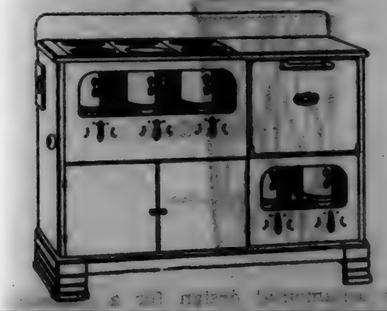
The ornamental design for an emulsifying machine frame or the like, as shown.

98,572
DESIGN FOR AN OIL BURNING COOK STOVE
William T. Bradbury, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application February 25, 1935, Serial No. 55,593
Term of patent 7 years



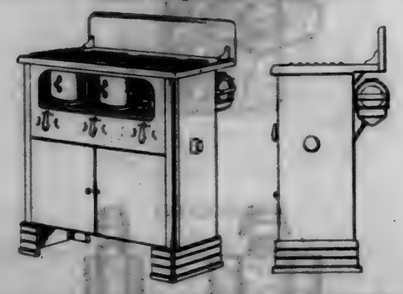
The ornamental design for an oil burning cook stove substantially as shown and described.

98,573
DESIGN FOR AN OIL BURNING COOK STOVE
William T. Bradbury, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application February 25, 1935, Serial No. 55,595
Term of patent 7 years



The ornamental design for an oil burning cook stove substantially as shown and described.

98,574
DESIGN FOR AN OIL BURNING COOK STOVE
William T. Bradbury, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application February 25, 1935, Serial No. 55,596
Term of patent 7 years



The ornamental design for an oil burning cook stove substantially as shown and described.

98,575
DESIGN FOR A FOOD RECEPTACLE UNIT OR SIMILAR ARTICLE
Pauline R. Cutler, Murray Hill, N. J.
Application July 5, 1935, Serial No. 57,535
Term of patent 3½ years



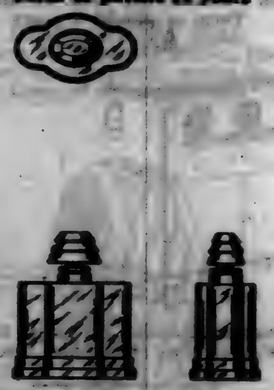
The ornamental design for a food receptacle unit or similar article as shown.

98,576
DESIGN FOR A BRASSIÈRE
Roger Emile Casalis de Pury, Earls Court, London, England, assignor to The Charnaux Patent Corset Company Limited, London, England
Application September 17, 1935, Serial No. 58,863
In Great Britain May 23, 1935
Term of patent 14 years



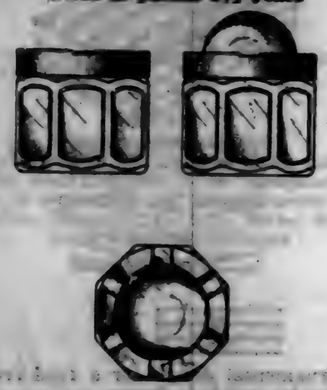
The ornamental design for a brassière, as shown.

88,577
DESIGN FOR A BOTTLE
René Durand, Paris, France, assignor to Lentheric, Incorporated, New York, N. Y., a corporation of New York
Application December 16, 1935, Serial No. 60,150
Term of patent 14 years



The ornamental design for a bottle substantially as shown.

88,578
DESIGN FOR AN ASH RECEIVER OR SIMILAR ARTICLE
George W. Emmert, Detroit, Mich.
Application December 5, 1935, Serial No. 59,915
Term of patent 3½ years



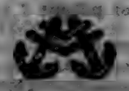
The ornamental design for an ash receiver or similar article, substantially as shown and described.

88,579
DESIGN FOR AN APPLIQUÉ EMBLEM OR SIMILAR ARTICLE FOR WEARING APPAREL
Charles Emmery, New York, N. Y.
Application December 23, 1935, Serial No. 60,127
Term of patent 3½ years



The ornamental design for an appliqué emblem or similar article for wearing apparel, substantially as shown and described.

88,580
DESIGN FOR AN APPLIQUÉ EMBLEM FOR ARTICLES OF APPAREL
Charles Emmery, New York, N. Y.
Application January 14, 1936, Serial No. 60,538
Term of patent 3½ years



The ornamental design for an appliqué emblem for articles of apparel substantially as shown and described.

88,581
DESIGN FOR AN APPLIQUÉ EMBLEM FOR ARTICLES OF APPAREL
Charles Emmery, New York, N. Y.
Application January 14, 1936, Serial No. 60,571
Term of patent 3½ years



The ornamental design for an appliqué emblem for articles of apparel substantially as shown and described.

88,582
DESIGN FOR A COMBINED ICE CRUSHER AND BEVERAGE CONTAINER
Thomas J. Fegley, Doylestown, and George O. Leopold, Philadelphia, Pa., assignors to North Bro's Mfg Co., Philadelphia, Pa., a corporation of Pennsylvania
Application June 20, 1935, Serial No. 57,572
Term of patent 7 years



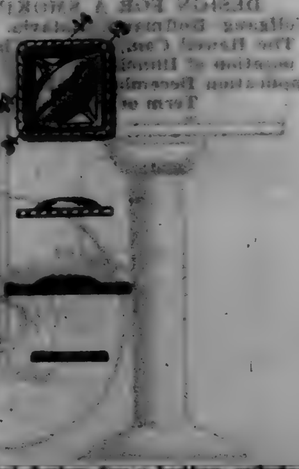
The ornamental design for a combined ice crusher and beverage container, substantially as shown and described.

88,583
DESIGN FOR A BUTTON
Fred. H. Fisher, Syracuse, N. Y., assignor to Merris W. Hall & Brothers, Inc., New York, N. Y., a corporation of New York
Application October 30, 1935, Serial No. 59,285
Term of patent 3½ years



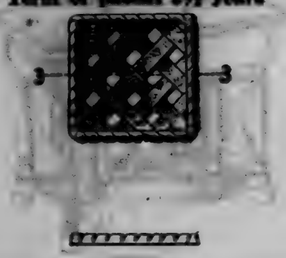
The ornamental design for a button, substantially as shown.

88,584
DESIGN FOR A BUTTON
Fred. H. Fisher, Syracuse, N. Y., assignor to Merris W. Hall & Brothers, Inc., New York, N. Y., a corporation of New York
Application October 30, 1935, Serial No. 59,286
Term of patent 3½ years



The ornamental design for a button, substantially as shown.

88,585
DESIGN FOR A BUTTON
Fred. H. Fisher, Syracuse, N. Y., assignor to Merris W. Hall & Brothers, Inc., New York, N. Y., a corporation of New York
Application October 30, 1935, Serial No. 59,287
Term of patent 3½ years



The ornamental design for a button, substantially as shown.

88,586
DESIGN FOR A BUCKLE
John B. Frerpinger, New Britain, Conn.
Application November 23, 1935, Serial No. 59,756
Term of patent 3½ years



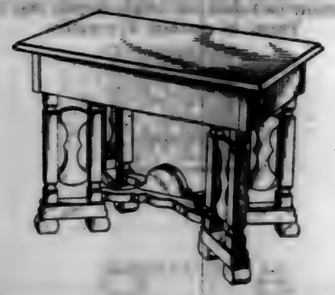
The ornamental design for a buckle as shown.

88,587
DESIGN FOR A BOX
Charles S. Gage, Cold Spring on Hudson, N. Y., assignor to Lentheric Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1934, Serial No. 51,883
Term of patent 3½ years



The ornamental design for a box substantially as shown.

96,586
DESIGN FOR A BREAKFAST TABLE
Lewis Garshofsky, New York, N. Y.
Application November 7, 1935, Serial No. 59,416
Term of patent 3½ years



The ornamental design for a breakfast table, as shown.

96,589
DESIGN FOR A BREAKFAST TABLE
Lewis Garshofsky, New York, N. Y.
Application November 7, 1935, Serial No. 59,417
Term of patent 3½ years



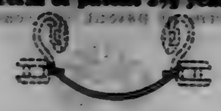
The ornamental design for a breakfast table, as shown.

96,596
DESIGN FOR A SHOE SOLE
Arthur Greenbaum, Beachmont, Mass., assignor to Panther-Panco Rubber Co. Inc., Chelsea, Mass., a corporation of Massachusetts
Application December 14, 1935, Serial No. 60,087
Term of patent 14 years



The ornamental design for a shoe sole substantially as shown.

96,591
DESIGN FOR A BRIDGE FOR EYEGLASSES
Henry W. Grum, Rochester, N. Y., assignor to Artcraft Optical Co., Rochester, N. Y.
Application December 16, 1935, Serial No. 60,000
Term of patent 3½ years





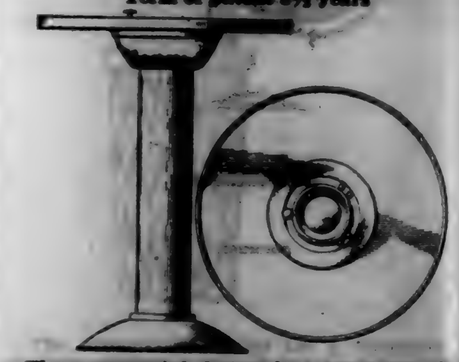
The ornamental design for a bridge for eyeglasses as shown and described.

96,592
DESIGN FOR A COAT
Edward Greenbaum, New York, N. Y.
Application January 18, 1936, Serial No. 60,513
Term of patent 3½ years



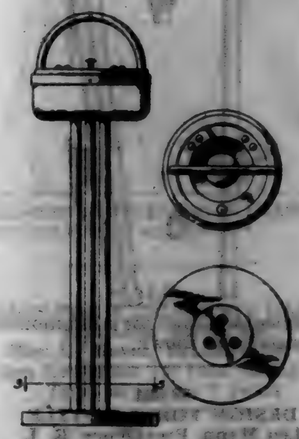
The ornamental design for a coat, substantially as shown.

96,593
DESIGN FOR A SMOKING STAND
Wolfgang Hoffmann, Batavia, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application December 24, 1935, Serial No. 60,257
Term of patent 3½ years



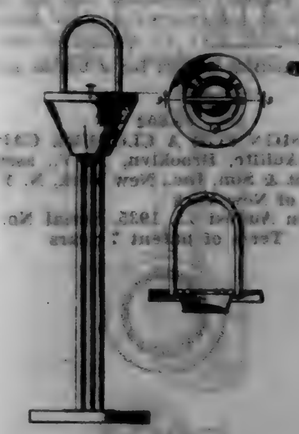
The ornamental design for a smoking stand, as shown.

96,594
DESIGN FOR A SMOKING STAND
Wolfgang Hoffmann, Batavia, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application December 24, 1935, Serial No. 60,260
Term of patent 3½ years



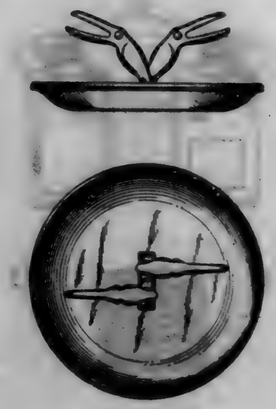
The ornamental design for a smoking stand, as shown.

96,595
DESIGN FOR A SMOKING STAND
Wolfgang Hoffmann, Batavia, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application December 24, 1935, Serial No. 60,262
Term of patent 3½ years



The ornamental design for a smoking stand, as shown.

96,598
DESIGN FOR AN ASH TRAY
Ray E. Hutchison, Kew Gardens, N. Y., assignor to Dicesters, Inc., New York, N. Y., a corporation of New York
Application December 16, 1935, Serial No. 60,021
Term of patent 7 years



The ornamental design for an ash tray, substantially as shown.

96,597
DESIGN FOR AN ENSEMBLE DRESS
William Karp, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y.
Application January 11, 1936, Serial No. 60,525
Term of patent 3½ years



The ornamental design for an ensemble dress, substantially as shown.

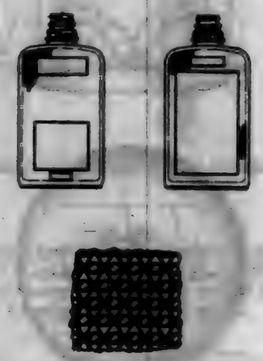
98,598

DESIGN FOR A GLASS BOTTLE

Lawrence J. Kihn, Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, a corporation of Pennsylvania

Application November 6, 1935, Serial No. 49,681

Term of patent 14 years



The ornamental design for a glass bottle, substantially as shown and described.

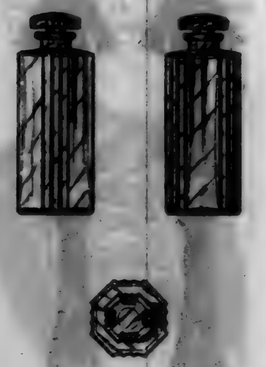
98,599

DESIGN FOR A BOTTLE

Yves Lanvin, Paris, France, assignor to Lanvin Parfums, Inc., Wilmington, Del., a corporation of Delaware

Application December 19, 1935, Serial No. 60,184

Term of patent 14 years



The ornamental design for a bottle, substantially as shown.

98,600

DESIGN FOR A LUMINOUS-ARM SIGNAL

Donald A. Lee, Oakland, Calif.

Application January 22, 1935, Serial No. 55,097

Term of patent 14 years



The ornamental design for a luminous-arm signal, substantially as shown.

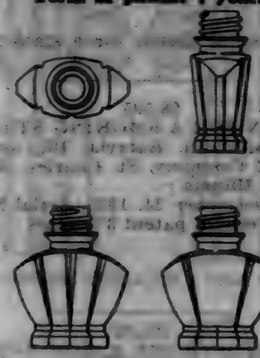
98,601

DESIGN FOR A BOTTLE

Leo Mann, Providence, R. I.

Application January 2, 1936, Serial No. 60,376

Term of patent 7 years



The ornamental design for a bottle, as shown.

98,602

DESIGN FOR A CLOSURE CAP

Leo C. McAuliffe, Brooklyn, N. Y., assignor to L. Mandet & Son, Inc., New York, N. Y., a corporation of New York

Application August 15, 1935, Serial No. 58,134

Term of patent 7 years



The ornamental design for a closure cap, as shown and described.

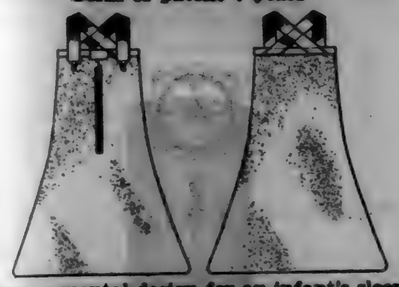
98,603

DESIGN FOR AN INFANT'S SLEEPING BAG OR SIMILAR ARTICLE

Ruth J. McCarter and William H. McCarter, Hanover, N. H.

Application June 8, 1935, Serial No. 57,304

Term of patent 7 years



The ornamental design for an infant's sleeping bag or similar article, as shown.

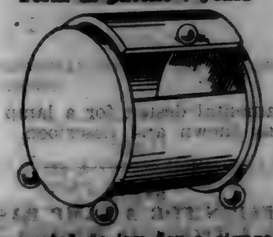
98,604

DESIGN FOR A CIGARETTE CASE OR SIMILAR ARTICLE

Max C. Meyer, Brooklyn, N. Y.

Application November 12, 1935, Serial No. 59,538

Term of patent 7 years



The ornamental design for a cigarette case or similar article, as shown.

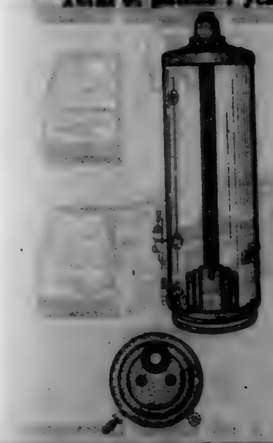
98,605

DESIGN FOR A WATER HEATER

Clarence H. Morrow, Shaker Heights, Ohio, assignor to The Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio

Application November 12, 1935, Serial No. 59,585

Term of patent 7 years



The ornamental design for a water heater, as shown and described.

98,606

DESIGN FOR A CASSEROLE

Berthold Moser-Benedikt, Karlsbad, Czechoslovakia, assignor to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York

Application December 11, 1935, Serial No. 60,167

Term of patent 14 years



The ornamental design for a casserole, as shown.

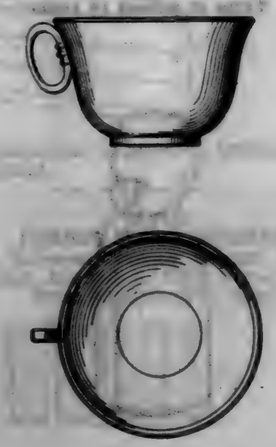
98,607

DESIGN FOR A CUP

Berthold Moser-Benedikt, Karlsbad, Czechoslovakia, assignor to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York

Application December 11, 1935, Serial No. 60,368

Term of patent 14 years



The ornamental design for a cup, as shown.

98,608
DESIGN FOR A BLOUSE
Harry Nadler, New York, N. Y.
Application December 3, 1935, Serial No. 59,575
Term of patent 3½ years



The ornamental design for a blouse, substantially as shown.

98,609
DESIGN FOR A MILK BOTTLE
Michael A. Pecora, West Hazleton, Pa., assignor to Pecora's Farm Dairy, West Hazleton, Pa., a partnership composed of Michael A. Pecora, Pasqua Pecora, and Salvador Pecora
Application December 2, 1935, Serial No. 59,381
Term of patent 14 years



The ornamental design for a milk bottle, as shown.

98,610
DESIGN FOR A LAMP BASE
Henry A. Perlmutter, Brooklyn, N. Y.
Application December 19, 1935, Serial No. 60,161
Term of patent 3½ years



The ornamental design for a lamp base, substantially as shown and described.

98,611
DESIGN FOR A LAMP BASE
Henry A. Perlmutter, Brooklyn, N. Y.
Application December 19, 1935, Serial No. 60,162
Term of patent 3½ years



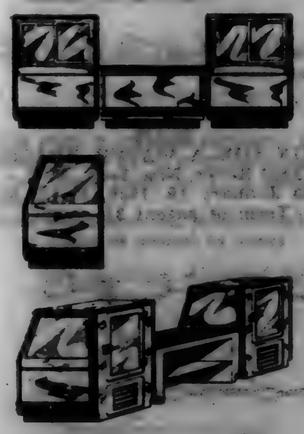
The ornamental design for a lamp base, substantially as shown and described.

98,612
DESIGN FOR A COSMETIC CONTAINER
Lucien A. Perona, Sausalito, Calif., assignor to Substance S. Products, Inc., San Francisco, Calif., a corporation of California.
Application July 24, 1935, Serial No. 57,788
Term of patent 3½ years



The ornamental design for a cosmetic container, as shown.

98,613
DESIGN FOR A COMBINED SALES AND DISPLAY COUNTER
Frank L. Pollard, Oakland, Calif.
Application December 26, 1935, Serial No. 60,288
Term of patent 3½ years



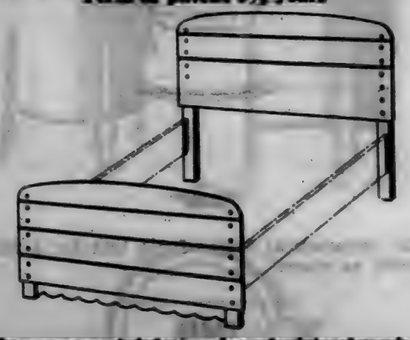
The ornamental design for a combined sales and display counter, substantially as shown and described.

98,614
DESIGN FOR A TUMBLER
Willis O. Prouty, Hermosa Beach, Calif., assignor to Motion Manufacturing Company, Manhattan Beach, Calif., a corporation of California
Application July 1, 1935, Serial No. 57,482
Term of patent 14 years



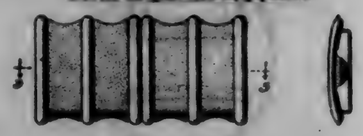
The ornamental design for a tumbler substantially as shown and described.

98,615
DESIGN FOR A BEDSTEAD
Marshall C. Pumphrey, Los Angeles, Calif., assignor to Barker Bros. Incorporated, Los Angeles, Calif.
Application November 12, 1935, Serial No. 59,507
Term of patent 3½ years



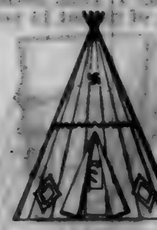
The ornamental design for a bedstead as shown and described.

98,616
DESIGN FOR A BUCKLE
Solomon Pulman, Newark, N. J.
Application January 4, 1936, Serial No. 60,414
Term of patent 3½ years



The ornamental design for a buckle as shown.

88,617
DESIGN FOR A BUILDING
Frank A. Bedford, Horse Cave, Ky.
Application December 17, 1935, Serial No. 66,152
Term of patent 14 years





The ornamental design for a building as shown.

88,618
DESIGN FOR A LINK FOR A WATCH BRACELET
Saul Ritter, New York, N. Y.
Application January 10, 1936, Serial No. 66,501
Term of patent 3½ years



The ornamental design for a link for a watch bracelet as shown.

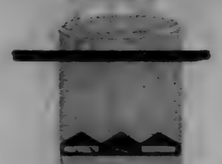
88,619
DESIGN FOR A LINK FOR A WATCH BRACELET
Saul Ritter, New York, N. Y.
Application January 10, 1936, Serial No. 66,502
Term of patent 3½ years



The ornamental design for a link for a watch bracelet as shown.

88,620
DESIGN FOR A WATCH BRACELET
Saul Ritter, New York, N. Y.
Application January 10, 1936, Serial No. 66,503
Term of patent 3½ years

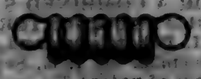




The ornamental design for a watch bracelet as shown.

88,621
DESIGN FOR A LINK FOR A WATCH BRACELET
Saul Ritter, New York, N. Y.
Application January 10, 1936, Serial No. 66,504
Term of patent 3½ years







The ornamental design for a link for a watch bracelet as shown.

88,622
DESIGN FOR A WATCH BRACELET
Saul Ritter, New York, N. Y.
Application January 10, 1936, Serial No. 66,505
Term of patent 3½ years



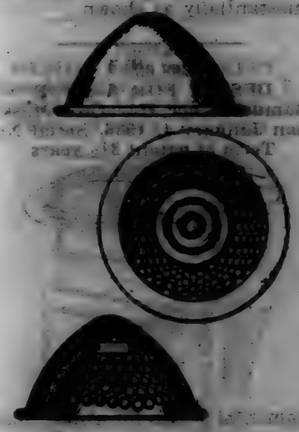
The ornamental design for a watch bracelet as shown.

88,623
DESIGN FOR A WATCH BRACELET
Saul Ritter, New York, N. Y.
Application January 10, 1936, Serial No. 66,506
Term of patent 3½ years



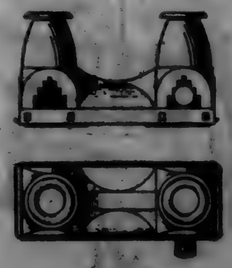
The ornamental design for a watch bracelet as shown.

88,624
DESIGN FOR A LENS FOR MOTOR VEHICLE LAMPS
Oliver C. Ritz-Weller, Chicago, Ill.
Application May 27, 1935, Serial No. 57,625
Term of patent 7 years



The ornamental design for a lens for motor vehicle lamps substantially as shown.

88,625
DESIGN FOR A STEREOSCOPIC VIEWER
Earl Rossman, New York, N. Y., assignor to Novelview, Inc., New York, N. Y., a corporation of New York
Application September 25, 1935, Serial No. 58,702
Term of patent 14 years



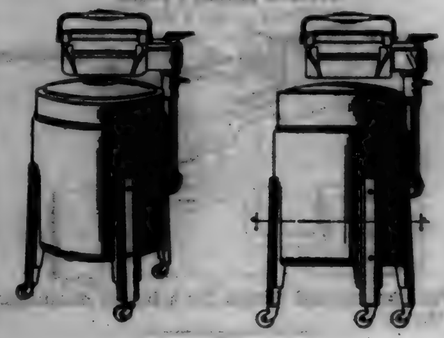
The ornamental design for a stereoscopic viewer, as shown.

88,626
DESIGN FOR A CLOSURE CAP OR SIMILAR ARTICLE
James Sterling B. Smith, New York, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York
Application August 5, 1935, Serial No. 57,949
Term of patent 14 years



The ornamental design for a closure cap or similar article, substantially as shown.

88,627
DESIGN FOR A COMBINED WASHING MACHINE AND WRINGER
Jacques Stanita, Warren, Ohio, assignor to Prima Manufacturing Company, Inc., Sidney, Ohio, a corporation of Ohio
Application December 18, 1935, Serial No. 60,143
Term of patent 3½ years







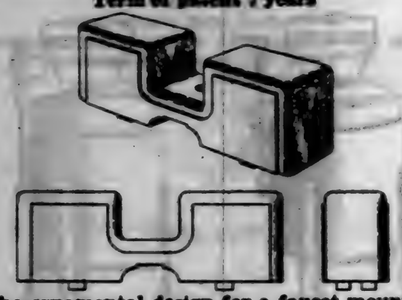
The ornamental design for a combined washing machine and wringer substantially as shown.

98,628
DESIGN FOR A LUNCH COUNTER UNIT
Helen Stark and Florence Stark, New York, N. Y.
Application December 24, 1935, Serial No. 60,578
Term of patent 7 years



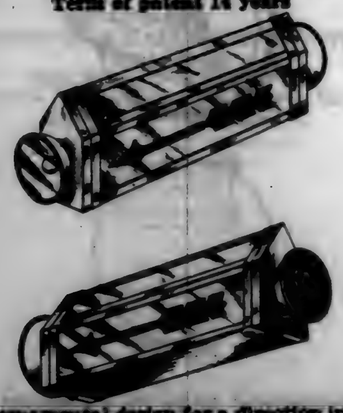
The ornamental design for a lunch counter unit substantially as shown.

98,629
DESIGN FOR A FAUCET MOUNTING
Joseph C. Stellato, Chicago, Ill.
Application November 27, 1935, Serial No. 59,985
Term of patent 7 years



The ornamental design for a faucet mounting, as shown.

98,630
DESIGN FOR A DIRECTION INDICATOR FOR VEHICLES
August Wemig, Chicago, Ill.
Application November 25, 1935, Serial No. 59,788
Term of patent 14 years



The ornamental design for a direction indicator for vehicles, substantially as shown and described.

98,631
DESIGN FOR A WATER HEATER CABINET
Ellis E. Wilkinson, Pottstown, Pa.
Application June 22, 1935, Serial No. 57,412
Term of patent 14 years



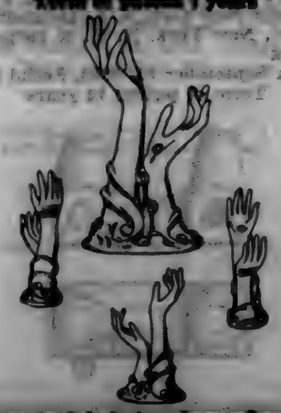
The ornamental design for a water heater cabinet, substantially as shown.

98,632
DESIGN FOR A SHOE
Samuel Winer, Haverhill, Mass.
Application January 4, 1936, Serial No. 60,411
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,633
DESIGN FOR A FLOWER VASE
Sigmund Leo Weiss, Chicago, Ill.
Application October 19, 1935, Serial No. 59,117
Term of patent 7 years



The ornamental design for a flower vase as shown.

98,626
DESIGN FOR A CABINET
Russel Wright, New York, N. Y.
Application August 10, 1935, Serial No. 58,672
Term of patent 3½ years



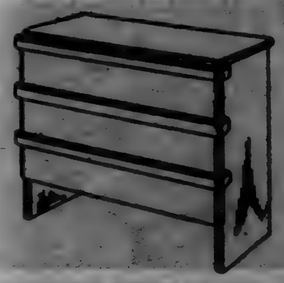
The ornamental design for a cabinet as shown.

98,625
DESIGN FOR A BUFFET
Russel Wright, New York, N. Y.
Application August 10, 1935, Serial No. 58,670
Term of patent 3½ years



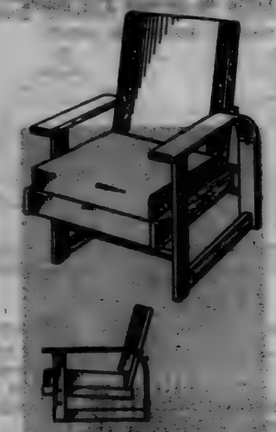
The ornamental design for a buffet as shown.

98,626
DESIGN FOR A CHEST OF DRAWERS
Russel Wright, New York, N. Y.
Application August 10, 1935, Serial No. 58,669
Term of patent 3½ years



The ornamental design for a chest of drawers as shown.

98,627
DESIGN FOR AN ADJUSTABLE CHAIR
Russel Wright, New York, N. Y.
Application August 10, 1935, Serial No. 58,682
Term of patent 3½ years



The ornamental design for an adjustable chair as shown and described.

98,628
DESIGN FOR A BUCKLE
Louis Alterson, New York, N. Y.
Application January 20, 1936, Serial No. 60,674
Term of patent 3½ years



The ornamental design for a buckle substantially as shown.

98,629
DESIGN FOR A SHOE
Thomas E. Athins, Cliftondale, Mass., assignor to Schelnick Shoe Company, Jamaica Plain, Mass., a corporation of Massachusetts
Application January 6, 1936, Serial No. 60,435
Term of patent 3½ years



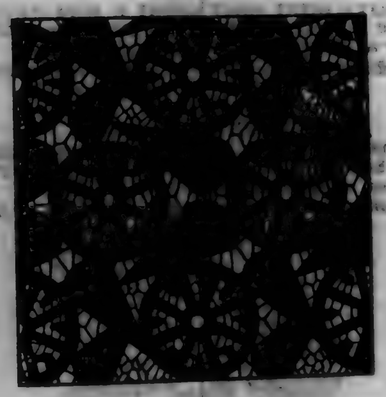
The ornamental design for a shoe substantially as shown and described.

98,640
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC
George Bischof, New York, N. Y.
Application January 8, 1936, Serial No. 69,469
Term of patent 3½ years



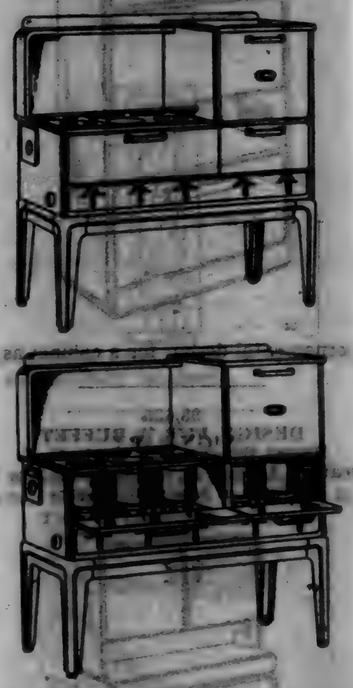
The ornamental design for an embroidered textile fabric, substantially as shown.

98,641
DESIGN FOR LACE
George D. Boyum, Philadelphia, Pa.
Application January 27, 1936, Serial No. 69,521
Term of patent 3½ years



The ornamental design for lace, substantially as shown.

98,642
DESIGN FOR AN OIL BURNING COOK STOVE
William T. Bradbury, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application February 25, 1935, Serial No. 55,324
Term of patent 7 years



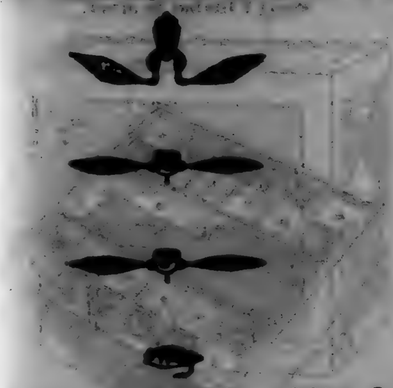
The ornamental design for an oil burning cook stove substantially as shown and described.

98,643
DESIGN FOR A COMBINED HANDBAG, WALLET, AND CIGARETTE CASE
Benjamin H. Bryan, New York, N. Y.
Application January 6, 1936, Serial No. 69,443
Term of patent 3½ years



The ornamental design for a combined handbag, wallet and cigarette case, as shown.

98,644
DESIGN FOR A FISHING FLY
Floyd O. Bunge, South Bend, Ind., assignor to South Bend Bait Company, South Bend, Ind.
Application October 12, 1935, Serial No. 59,116
Term of patent 14 years



The ornamental design for a fishing fly as shown.

98,645
DESIGN FOR LACE
Jean Dognin, New York, N. Y.
Application January 27, 1936, Serial No. 69,522
Term of patent 3½ years



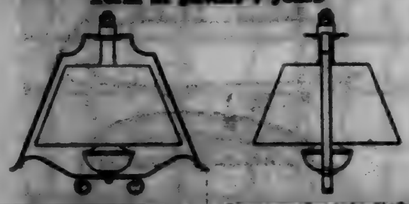
The ornamental design for lace, substantially as shown.

98,646
DESIGN FOR LACE
Bert Edson, Pawtucket, R. I.
Application January 24, 1936, Serial No. 69,757
Term of patent 3½ years



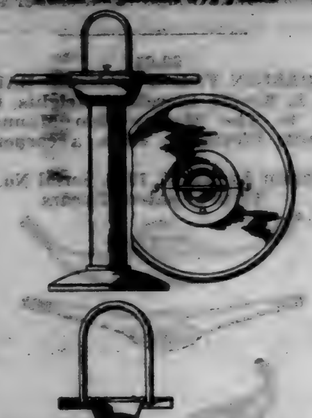
The ornamental design for lace, substantially as shown.

98,647
DESIGN FOR AN ELECTRIC LIGHTING FIXTURE
Harry D. Hein, Cleveland, Ohio, assignor to Railway Corporation, Cleveland, Ohio, a corporation of Ohio
Application October 26, 1935, Serial No. 58,246
Term of patent 7 years



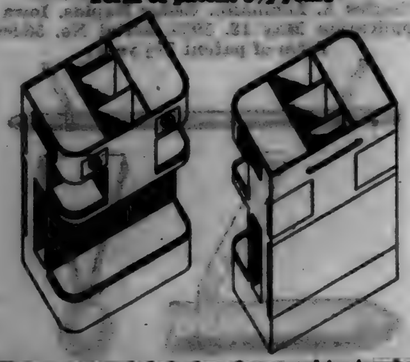
The ornamental design for an electric lighting fixture, substantially as shown and described.

98,648
DESIGN FOR A SMOKING STAND
Wolfgang Hoffmann, Batavia, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application December 24, 1935, Serial No. 69,261
Term of patent 3½ years



The ornamental design for a smoking stand, as shown and described.

98,649
DESIGN FOR A CABINET
George McKay Jackson, Lake Bluff, Ill.
Application December 14, 1935, Serial No. 69,078
Term of patent 3½ years



The ornamental design for a cabinet substantially as shown.

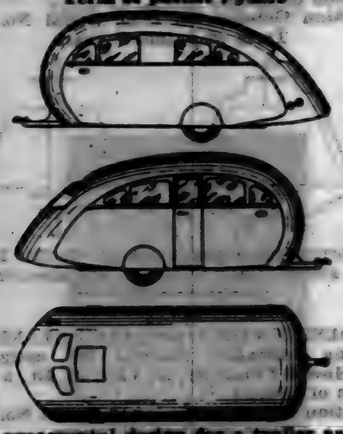
96,650

DESIGN FOR A TRAILER

Fred E. Kazmits and Lester E. Kazmits, Bay City, Mich.

Application November 12, 1934, Serial No. 55,993

Term of patent 7 years



The ornamental design for a trailer as shown.

96,651

DESIGN FOR A HANDLE BAR

Herman L. Kraeft, Cleveland Heights, Ohio, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application August 24, 1935, Serial No. 58,276

Term of patent 7 years



The ornamental design for a handle bar substantially as shown.

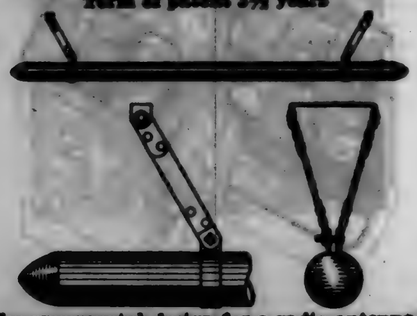
96,652

DESIGN FOR A RADIO ANTENNA

Charles A. Lehmann, Cedar Rapids, Iowa.

Application May 18, 1935, Serial No. 16,962

Term of patent 3½ years



The ornamental design for a radio antenna, as shown and described.

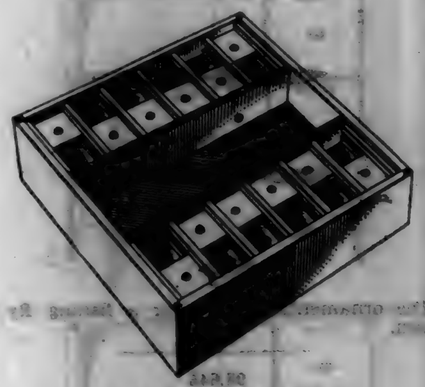
96,653

DESIGN FOR A GAME DEVICE

Walter A. Merrill, Los Angeles, Calif.

Application September 24, 1935, Serial No. 58,684

Term of patent 3½ years



The ornamental design for a game device, as shown.

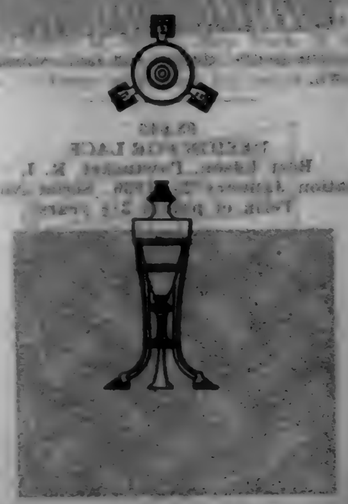
96,654

DESIGN FOR A LAMP BASE

Henry A. Parkmeier, Brooklyn, N. Y.

Application December 12, 1935, Serial No. 64,141

Term of patent 3½ years



The ornamental design for a lamp base substantially as shown and described.

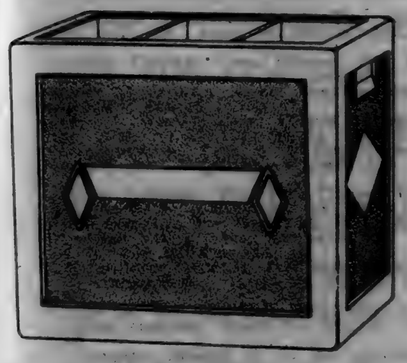
96,655

DESIGN FOR A STORAGE BATTERY CASE

Oliver C. Bieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio

Application June 17, 1935, Serial No. 57,300

Term of patent 7 years



The ornamental design for a storage battery case, as shown and described.

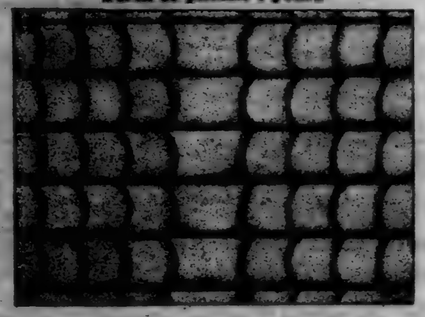
96,656

DESIGN FOR LEATHER OR SIMILAR ARTICLE

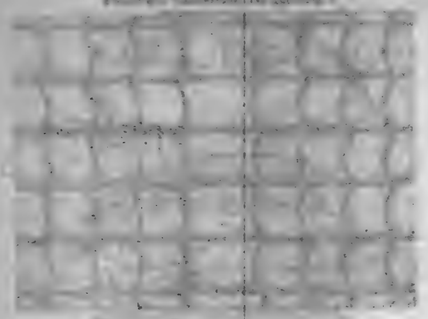
Morris White, New York, N. Y.

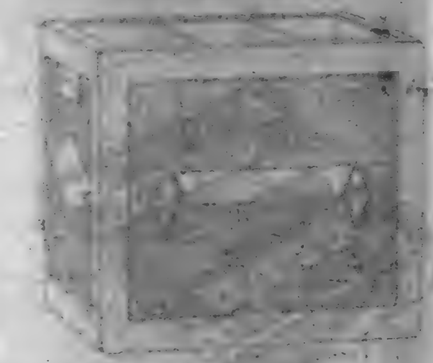
Application December 17, 1935, Serial No. 60,126

Term of patent 7 years



The ornamental design for leather or similar article, substantially as shown and described.





LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 3, 1907]

Adams Apple Products Corporation, Aspers, Pa. Apples, cider, vinegar, jelly, etc. Serial No. 370,747; Feb. 18. Class 46.

Advance Aluminum Castings Corp., Chicago, Ill. Fan wheels. Serial No. 372,616; Feb. 18. Class 34.

Ainsworth, Albert A., Ossining, N. Y. Mounting hinges. Serial No. 372,648; Feb. 18. Class 37.

Allergia Products Co., Newton, Mass. Pillows, mattresses, and cushions. Serial No. 372,121; Feb. 18. Class 23.

American Baku Corporation, Baku, N. C. Lingerie, negligees, underwear, etc. Serial No. 371,996; Feb. 18. Class 39.

American Gypsum Company, The, Port Clinton, Ohio. Mineral wool. Serial No. 372,758; Feb. 18. Class 1.

American Thread Company, The, New York, N. Y. Spool and sewing cotton, cotton thread and yarns, etc. Serial No. 372,122; Feb. 18. Class 15.

American Writing Paper Company, Inc., Holyoke, Mass. Writing and printing paper. Serial No. 372,284; Feb. 18. Class 37.

Atlantic Macaroni Co., Inc., The, Long Island City, N. Y. Alimentary paste products. Serial No. 372,139; Feb. 18. Class 46.

Atlas Supply Company, Newark, N. J. Kit containing clothes brush and shoe polishing pad. Serial No. 369,472; Feb. 18. Class 35.

Auto Locking Device Co., San Antonio, Tex. Automobile locking device. Serial No. 372,372; Feb. 18. Class 13.

Avol Laboratories, Boston, Mass. Ointment. Serial No. 371,138; Feb. 18. Class 6.

Bach, Lesem, & Co. Incorporated, New York, N. Y. Linen, rayon, and cotton fabrics. Serial No. 372,917; Feb. 18. Class 42.

Bayer Brothers Leather Co., Inc., New York, N. Y., and Newark, N. J. Leather. Serial No. 373,017; Feb. 18. Class 1.

Bell Textile Co., New York, N. Y. Sheets and pillowcases. Serial No. 371,750; Feb. 18. Class 42.

Bell's Basket Grocery, Inc., Eugene, Oreg. Wine. Serial No. 372,620; Feb. 18. Class 47.

Ben-Burk, Inc., Boston, Mass. Whiskey. Serial No. 372,950; Feb. 18. Class 49.

Bienaime, Societe Anonyme, Neuilly-sur-Seine, Seine, France. Perfumes, toilet water, face powder, etc. Serial Nos. 372,070-4; Feb. 18. Class 6.

Biltrite Motor Equipment Co., Inc., New York, N. Y. Oils and greases. Serial No. 372,015; Feb. 18. Class 15.

Bingham, Archie C., doing business as The Bingham Poultry Ranch, South Edmeston, N. Y. Fertilizers. Serial No. 368,216; Feb. 18. Class 10.

Blossom Products Corporation, Allentown, Pa. Dolls. Serial No. 372,245; Feb. 18. Class 22.

Blumstein, L. M., Inc., New York, N. Y. Boots and shoes. Serial No. 372,038; Feb. 18. Class 29.

Bonwit Teller, Inc., New York, N. Y. Panties. Serial No. 372,389; Feb. 18. Class 39.

Bradford, W. S., Paper Company, Chicago, Ill. Slotted box and pail partitions, ready layer cards, liners, etc. Serial No. 372,326; Feb. 18. Class 37.

Brass, Samuel, Hallandale, N. J. Yeast. Serial No. 354,045; Feb. 18. Class 46.

British Motors Ltd., doing business as S. S. Cars, Ltd., New York, N. Y. Automobiles and structural parts. Serial Nos. 370,366-7; Feb. 18. Class 19.

Brookshire Coat Co. Inc., New York, N. Y. Wearing apparel. Serial No. 372,129; Feb. 18. Class 39.

Brown Durrell Co., New York, N. Y., and Boston, Mass. Panties. Serial No. 372,968; Feb. 18. Class 39.

Brown Instrument Company, The, Philadelphia, Pa. Measuring and control instruments. Serial No. 373,007; Feb. 18. Class 26.

Brown, Murray J., doing business as Glamortress Co., New York, N. Y. Color rinse for the hair. Serial No. 372,202; Feb. 18. Class 6.

Butler Brothers, Chicago, Ill. Adhesive tape. Serial No. 372,821; Feb. 18. Class 5.

Camillus Cutlery Company, Inc., New York, N. Y. Knives. Serial No. 373,009; Feb. 18. Class 28.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Chemical compositions. Serial No. 373,137; Feb. 18. Class 6.

Carborundum Company, The, Niagara Falls, N. Y. Metal coated fabrics. Serial No. 366,111; Feb. 11. Class 50.

Carstairs Bros. Distilling Co., Philadelphia, Pa. Whiskey. Serial No. 372,623; Feb. 18. Class 49.

Castillon & Co., Cognac, France. Cognac. Serial No. 369 563; Feb. 18. Class 49.

Chapin & Bangs Company, The, Bridgeport, Conn. Furnaces. Serial No. 372,262; Feb. 18. Class 34.

Chicago Rubber Clothing Company, Racine, Wis. Suits, trousers, and shirts. Serial No. 370,507; Feb. 18. Class 39.

Cline-Johnston, Inc., Owosso, Mich. Packaged prescribed beans. Serial No. 372,522; Feb. 18. Class 46.

Conrad, Clare C., Wayne, N. Y. Fuel cream. Serial No. 372,549; Feb. 18. Class 6.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. Serial No. 343,908; Feb. 18. Class 49.

Continental Pure Products Co. (See Feleshky, Jacob S.)

Copperstein, Israel, doing business as General Glass & Lumber Company, Cleveland, Ohio. Lumber, sash, doors, and millwork. Serial No. 371,979; Feb. 18. Class 12.

Cork Farmers' Union Abattoir & Marketing Limited, Cork, Irish Free State. Bacon. Serial No. 371,907; Feb. 18. Class 46.

Craighall Bonding Company, Glasgow, Scotland. Whisky. Serial No. 372,513; Feb. 18. Class 49.

Crusader Oil Corporation, New York, N. Y. Oil. Serial No. 372,707; Feb. 18. Class 15.

Cunningham, Thomas L., New York, N. Y. Liquid composition for preventing ignition of matches, etc. Serial No. 370,619; Feb. 18. Class 6.

Cunningham, Thomas L., New York, N. Y. Liquid insecticide composition. Serial No. 370,620; Feb. 18. Class 6.

Dainty Maid Slippers, Inc., Brooklyn, N. Y. Bedroom slippers. Serial No. 372,907; Feb. 18. Class 29.

De Kuyper, John, & Son, Incorporated, New York, N. Y., and Jersey City, N. J. Shrubs. Serial No. 373,214; Feb. 14. Class 46.

Delaware Floor Products, Inc., Wilmington, Del. Composition floor coverings. Serial No. 372,904; Feb. 18. Class 20.

Dennett, Tyrrell, Washington, D. C. Newspaper articles. Serial No. 370,876; Feb. 18. Class 38.

Dickerson, Walter T., Company, The, Columbus, Ohio. Shoes. Serial No. 366,977; Feb. 18. Class 29.

Edmont Manufacturing Company, Coshocton, Ohio. Gloves, aprons, and mittens of rubber or rubber and fabric. Serial No. 372,196; Feb. 18. Class 39.

Elco Laboratories. (See Starck, John R.)

Electrical Research Laboratories, Inc., Chicago, Ill. Radio receiving sets and parts thereof. Serial No. 372,182; Feb. 18. Class 21.

Elmquist, Francis, doing business as House of Twigs, Kansas City, Mo. Astringents, creams, and deodorant. Serial No. 371,144; Feb. 18. Class 6.

Enkon Malt Products Co. (See Williamson, D. D., & Company.)

Essalen, Gustavus J., Inc., Boston, Mass. Special mixture for repelling rats, mice, and other rodents. Serial No. 372,128; Feb. 18. Class 6.

Fairfield Distilling Co., Louisville, Ky. Whiskey. Serial No. 371,427; Feb. 18. Class 49.

Fashion Frocks, Inc., Cincinnati, Ohio. Raincoats and sportjackets. Serial No. 367,990; Feb. 18. Class 39.

Federal Knitwear Co., Inc., Newark, N. J. Woolen piece goods. Serial No. 372,720; published Feb. 18, 1936. Class 42.

Feron, Stephen J., Inc., New York, N. Y. Squash tennis rackets. Serial No. 373,027; Feb. 18. Class 22.

Frost & Sharp, Inc., Chicago, Ill. Whiskey. Serial No. 372,581; Feb. 18. Class 49.

Friedman, Samuel, doing business as Improved Products Manufacturing Company, New York, N. Y. Finger ring guards. Serial No. 370,344; Feb. 18. Class 28.

Friendship Calendar Company, New Philadelphia, Ohio. Wall calendars. Serial No. 372,823; Feb. 18. Class 38.

Gelatin Products Company. (See Schoner, Robert P.)

General Electric Company, Schenectady, N. Y. Electrical insulating material. Serial No. 372,287; Feb. 18. Class 21.

General Glass & Lumber Company. (See Copperstein, Israel.)

Gernsback, Hugo, New York, N. Y. Publication. Serial No. 371,711; Feb. 18. Class 38.

Glamo, Inc., Hoboken, N. J. Nail polish, polish remover, and nail balm. Serial Nos. 372,811-13; Feb. 18. Class 6.

Glamortress Co. (See Brown, Murray J.)

Glaske Bonding Products Co., Inc., Chicago, Ill. Asphalt composition roofing and building papers. Serial No. 371,337; Feb. 18. Class 12.

Glassberg Co., The, Washington, D. C. Coats, suits, and vests. Serial No. 342,355; Feb. 18. Class 39.

Goodall Worsted Co., Sanford, Maine. Piece goods and pile fabrics. Serial No. 371,373; Feb. 18. Class 42.

Gorton, Thomas E., Jr., doing business as Slade Gorton Company, Chicago, Ill. Fillets of fish. Serial No. 372,142; Feb. 18. Class 46.

Gravitomic Lite Ray Retane Ltd. (See Reed, Fred W.)

Green Galesburg Company, Galesburg, Ill. Overalls and work pants, dresses, and coats. Serial No. 372,414; Feb. 18. Class 39.

Halstead Products Co., Oakland, Calif. Oil for blending with crankcase lubricants. Serial No. 373,063; Feb. 18. Class 15.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Halstead Products Co., Oakland, Calif. Oil. Serial No. 372,669; Feb. 18. Class 15.

Hansen, A. L., Mfg. Co., Chicago, Ill. Machine staples. Serial No. 372,095; Feb. 18. Class 13.

Hansen, A. L., Mfg. Co., Chicago, Ill. Machine staples. Serial No. 372,096; Feb. 18. Class 13.

Hellegen Limited, assignor to Piero M. Salerni, Westminster, England. Medicinal and hygienic toilet preparations. Serial No. 363,907; Feb. 18. Class 6.

Heller, B., & Company, Chicago, Ill. Laundry bluing. Serial No. 371,514; Feb. 18. Class 6.

Hemrich Brewing Co., Seattle, Wash. Beer. Serial No. 372,770; Feb. 18. Class 45.

Hickey-Freeman Co., Rochester, N. Y. Men's overcoats, topcoats, and suits. Serial No. 372,771; Feb. 18. Class 39.

Hoberg Paper & Fibre Company, Green Bay, Wis. Sanitary napkins. Serial No. 372,416; Feb. 18. Class 44.

Hodson Corporation, The, Chicago, Ill. Grease compounds. Serial No. 372,772; Feb. 18. Class 15.

Holmes-Bohr Company, Lewiston, Maine. Boots and shoes. Serial No. 373,135; Feb. 18. Class 39.

House of Twigs. (See Elmquist, Francis.)

Hub Quilt Mfg. Company. (See Pristaw, Sophie.)

Hudnut, Richard, New York, N. Y. Cleansing cream, face powder, perfume, etc. Serial No. 373,127; Feb. 18. Class 6.

Hy-Art Button Works. (See Sher, Louis.)

Improved Products Manufacturing Company. (See Friedman, Samuel.)

International Latex Corporation, Rochester, N. Y. Rubber bathing caps. Serial No. 365,734; Feb. 18. Class 39.

International Shoe Co., St. Louis, Mo. Boots and shoes. Serial No. 372,839; Feb. 18. Class 39.

International Silver Company, Meriden, Conn. Silver plated flatware. Serial No. 373,188; Feb. 18. Class 28.

Jeanette Powder Puffs, Inc., Newark, N. J. Powder puff. Serial No. 371,928; Feb. 18. Class 29.

Jiggernut Company. (See Lowitz, Estelle R.)

Kaiserslauterer Verbandstoff-Fabrik Emil Bender, G. m. b. H., Kaiserslautern, Germany. Surgical and orthopedic bandages. Serial No. 370,552; Feb. 18. Class 44.

Kelley-How-Thompson Co., Duluth, Minn. Balls, mitts, tennis rackets, etc. Serial No. 362,618; Feb. 18. Class 22.

Kensington Hats, Inc., Philadelphia, Pa. Hats and caps. Serial No. 372,477; Feb. 18. Class 39.

Klein, L., Inc., Chicago, Ill. Lawn seed. Serial No. 372,102; Feb. 18. Class 1.

Kleinert, I. B., Rubber Company, New York, N. Y. Sanitary belts. Serial No. 372,975; Feb. 18. Class 44.

Krauss, Herman Incorporated, Toledo, Ohio. Wine. Serial No. 372,649; Feb. 18. Class 47.

Kuczynski, Witold V., doing business as Witold Products Company, New York, N. Y. Eye drops, wash, and lotion. Serial No. 373,419; Feb. 18. Class 6.

Lace Net Importing Co. Inc., New York, N. Y. Fabric of elastic yarn. Serial No. 372,690; Feb. 18. Class 42.

Lafayette Blade Co. (See Liberty News Sales Co.)

Laird, Schober Co., Inc., Philadelphia, Pa. Shoes. Serial No. 372,774; Feb. 18. Class 39.

Lance Packing Company, Charlotte, N. C. Peanut butter sandwiches. Serial No. 372,423; Feb. 18. Class 46.

Larus & Brother Company, Richmond, Va. Smoking tobacco. Serial No. 371,697; Feb. 18. Class 17.

Lebanon Knitting Mills, Lebanon, Pa. Polo shirts. Serial No. 372,678; Feb. 18. Class 39.

Lesser, Charles, doing business as Charles Lesser & Co., New York, N. Y. Rings, diamonds, jewelry. Serial No. 372,776; Feb. 18. Class 22.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's overcoats. Serial No. 372,830; Feb. 18. Class 39.

Liberty News Sales Co., doing business as Lafayette Blade Co., Detroit, Mich. Razor blades. Serial No. 371,547; Feb. 18. Class 23.

Loewenstein, Hermann, New York, N. Y. Suede calf leather. Serial No. 373,048; Feb. 18. Class 1.

Lousangel Corporation, New York, N. Y. Shoe polish. Serial No. 373,221; Feb. 18. Class 4.

Loveland, William H., Company, The, Binghamton, and New York, N. Y. Astringents, astringent cream, bleach creams, etc. Serial No. 372,778; Feb. 18. Class 6.

Lowitz, Estelle R., doing business as Jiggernut Company, New York, N. Y. Salted chick peas also known as garbanzos nuts. Serial No. 371,700; Feb. 18. Class 46.

M & M Model Wheel Company, Seattle, Wash. Toy airplane parts. Serial No. 372,779; Feb. 18. Class 22.

Major Appliance Corporation, The, Chicago, Ill. Refrigerators. Serial No. 350,279; Feb. 18. Class 31.

Mark Cross Company, New York, N. Y. Perfumes and toilet waters. Serial No. 372,780; Feb. 18. Class 6.

McGregor Milling & Grain Company, McGregor, Tex. Grain of all types. Serial Nos. 371,008-9; Feb. 18. Class 1.

Meichior, Armstrong, Dessaus Co. of Delaware, Inc., New York, N. Y. Units for refrigerators. Serial No. 373,141; Feb. 18. Class 31.

Merchants Chemical Company, Inc., New York, N. Y. Laundry blue and starch, ink remover, etc. Serial No. 366,264; Feb. 18. Class 6.

Merritt, E. W., Brawley, Calif. Honeydew melons. Serial No. 372,921; Feb. 18. Class 46.

Meyers, Louis, & Son, Inc., New York, N. Y. Gloves. Serial No. 371,974; Feb. 18. Class 39.

Microporite Company, The, Wilmington, Del., and Lewistown, Pa. Building materials. Serial No. 370,689; Feb. 18. Class 12.

Miller, Leon B., Brooklyn, N. Y. Flexible screw driver. Serial No. 368,782; Feb. 18. Class 23.

Modern Merchandising Bureau, Inc., New York, N. Y. Scarfs, shoes, underwear, etc. Serial No. 369,512; Feb. 18. Class 39.

Monroe Co., Inc. (See Stern, Louis D.)

Montana Flour Mills Company, Great Falls, Mont. Live stock feed. Serial No. 368,900; Feb. 18. Class 45.

Myers, Irvy, Coal and Lumber Co., Hawthorne, N. J. Timbers, posts, lay strips, etc. Serial No. 371,732; Feb. 18. Class 12.

National Cash Register Company, The, Dayton, Ohio. Cash registers, accounting machines, adding machines, etc. Serial Nos. 372,840-7; Feb. 18. Class 23.

National Federation of Post Office Clerks, Washington, D. C. Cartoons. Serial No. 372,625; Feb. 18. Class 38.

National Musical String Co., Inc., New Brunswick, N. J. Strings for banjos, guitars, etc. Serial No. 366,295; Feb. 18. Class 36.

National Shirt Shops of Delaware, Inc., New York, N. Y. Shirts, collars, sweaters, etc. Serial No. 372,576; Feb. 18. Class 39.

New England Distillers, Incorporated, Clinton, Mass. Rum. Serial No. 346,077; Feb. 18. Class 45.

New England Vinegar Works, Inc., The, Somerville, Mass. Apple jelly. Serial No. 372,626; Feb. 18. Class 46.

Northwest Farmer. (See Ole, Minnie M.)

Nu-Way Shoe Company, New York, N. Y. Shoes. Serial No. 371,854; Feb. 18. Class 39.

Odorene Company, Inc., The, New York, N. Y. Deodorant and preparation for preventing excessive perspiration. Serial No. 370,206; Feb. 18. Class 6.

Ohio Carbon Company, The, Cleveland, Ohio. Electrical resistance elements. Serial No. 372,254; Feb. 18. Class 21.

Ole, Minnie M., doing business as Northwest Farmer, Duluth, Minn. Publication. Serial No. 372,967; Feb. 18. Class 38.

O'Leary, Lydia, Inc., doing business as Lydia O'Leary, New York, N. Y. Cosmetic. Serial No. 368,978; Feb. 18. Class 6.

Onyx Oil and Chemical Co., Jersey City, N. J. Sulfonated and sulfated oils, fats, waxes, and aliphatic alcohols for use on textiles, etc. Serial No. 371,181; Feb. 14. Class 6.

Oppenheim, Collins & Co. Inc., Wilmington, Del., New York, Brooklyn, and Buffalo, N. Y., and Philadelphia, Pa. Shoes. Serial No. 371,456; Feb. 18. Class 39.

Panagakos, Constantine P., Hopewell, Va. Hair waver and a preparation for dandruff and the scalp. Serial No. 366,483; Feb. 18. Class 6.

Parva Products Company, Chicago, Ill. Bootikin for overalls and work clothes. Serial No. 373,186; Feb. 18. Class 40.

Pate Oil Company, Milwaukee, Wis. Gasoline, lubricating oils and greases. Serial No. 370,196; Feb. 18. Class 15.

Peluffo, Jose, & Compania Limitada Sociedad Anonima Comercial E Industrial, Buenos Aires, Argentina. Soap. Serial No. 370,890; Feb. 18. Class 46.

Pesola, Inc., Pittsburgh, Pa. Compounds for preserving wood, bases for insecticides and disinfectants, etc. Serial No. 372,553; Feb. 18. Class 6.

Peroxide Chemical Co., The, doing business as Vi-Jon Laboratories, St. Louis, Mo. Nail polish and liquid nail polish remover. Serial No. 370,627; Feb. 18. Class 6.

Phoenix Preparations. (See Wynne, Clarence P.)

Photo Marketing Corporation, New York, N. Y. Cameras, camera parts. Serial No. 371,073; Feb. 18. Class 21.

Piggly Wiggly Corporation, Cincinnati, Ohio. Refrigerators. Serial No. 372,779; Feb. 18. Class 31.

Pinaud Incorporated, New York, N. Y. Shaving cream. Serial No. 373,127; Feb. 18. Class 6.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Shirts, pajamas, suits, etc. Serial No. 370,811; Feb. 18. Class 39.

Pocahontas Fuel Company Incorporated, Pocahontas, Va., and New York, N. Y. Coal stokers. Serial No. 372,198; Feb. 18. Class 34.

Polofsky, Jacob S., doing business as Continental Fur Products Co., Jersey City, N. J. Whiskey, brandies, gin, etc. Serial No. 372,625; Feb. 18. Class 46.

Pristaw, Sophie, doing business as Hub Quilt Mfg. Company, Boston, Mass. Bed comforters and spreads. Serial No. 371,739; Feb. 18. Class 42.

Puroptex Corporation, New York, N. Y. Mouth wash. Serial No. 372,747; Feb. 18. Class 6.

Pyrene Manufacturing Company, Newark, N. J. Preparations for the production of protective and priming coatings on aluminum and non-cuprous alloys thereof. Serial No. 368,857; Feb. 18. Class 16.

Q. D. A. Laboratories. (See Straesser, Michael J.)

Ratcliff, Raymond M., doing business as Ratcliff Products & Sales Co., Columbus, Ohio. Shoes. Serial No. 371,837; Feb. 18. Class 39.

Reed, Fred W., doing business as Gravitonic Life Ray Estate Ltd., Los Angeles, Calif. Equipment generators for applying rays to the human body. Serial No. 372,530; Feb. 18. Class 44.

Regent Knitting Mills, Limited, The, Montreal, Quebec, Canada. Woolen and worsted yarns. Serial No. 372,751; Feb. 18. Class 42.

Rosenberger, A., Kansas City, Mo. Whiskey. Serial No. 373,082; Feb. 18. Class 46.

Ross & Oberlieder Silk Corp., New York, N. Y. Rayon textile fabrics. Serial No. 370,489; Feb. 18. Class 42.

Roxy Thread Corp., New York, N. Y. Sewing thread. Serial No. 371,665; Feb. 18. Class 48.

S. S. Cars, Ltd. (See British Motors Ltd.)

Sachs Quality Furniture Inc., New York, N. Y. Rugs. Serial No. 372,488; Feb. 18. Class 42.

Salerni, Piero M. (See Hellegen Limited.)

Sandura Company, Inc., East Walpole, Mass., and Philadelphia, Pa. Composition floor coverings. Serial No. 372,213; Feb. 18. Class 20.

Sanger, A. & Sons, Inc., Baltimore, Md. Suits, overcoats, pants, etc. Serial No. 371,126; Feb. 18. Class 39.

Scherer, Robert P., doing business as Gelatin Products Company, Detroit, Mich. Carbon disulphide. Serial No. 370,528; Feb. 18. Class 6.

Schmidt, Herbert C., Asbury Park, N. J. Spiral type fasteners for use on wearing apparel. Serial No. 372,215; Feb. 18. Class 40.

Schwartz, Rebecca, doing business as Spot-Lite Dance Frocks, New York, N. Y. Dresses, frocks. Serial No. 369,898; Feb. 18. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Creams, astringent lotion, face powder, etc. Serial No. 371,587; Feb. 18. Class 6.

Shelby Shoe Co., The, Portsmouth, Ohio. Shoes. Serial No. 371,378; Feb. 18. Class 39.

Sher, Louis, doing business as Hy-Art Button Works, New York, N. Y. Buttons and buckles used on wearing apparel. Serial No. 372,578; Feb. 18. Class 40.

Simmons-Boardman Publishing Co., New York, N. Y. Periodical. Serial No. 372,041; Feb. 15. Class 38.

Simmons Hardware Company, St. Louis, Mo. Floor and dust mops. Serial No. 370,739; Feb. 18. Class 29.

Simplex Products Sales Corporation, assignor to Simplex Products Corporation, Cleveland, Ohio. Piston rings. Serial No. 371,802; Feb. 18. Class 22.

Smith, Paul N., doing business as The Paul N. Smith Seed Co., Center Junction, Iowa. Seed corn. Serial No. 371,004; Feb. 18. Class 1.

Societe a Responsabilite Limitee Calvetrans, Angers, France. Liqueurs. Serial No. 372,268; Feb. 18. Class 49.

Societe a Responsabilite Limitee Calvetrans, Angers, France. Liqueurs. Serial No. 372,300; Feb. 18. Class 49.

Societe Anonyme les Fils de P. Bardinet, Casdarens, near Bordeaux, France. Maltless syrups. Serial No. 372,607; Feb. 18. Class 46.

Societe Anonyme les Fils de P. Bardinet, Casdarens, near Bordeaux, France. Vermouth. Serial No. 372,608; Feb. 18. Class 47.

Societe Anonyme les Fils de P. Bardinet, Casdarens, near Bordeaux, France. Alcoholic cordials and liqueurs, cognac, rum, etc. Serial No. 372,609; Feb. 18. Class 49.

Societe Des Vins & Spiritueux S. A., Bordeaux, France. Cognac. Serial No. 372,257; Feb. 18. Class 49.

Spot-Lite Dance Frocks. (See Schwartz, Rebecca.)

Spring Grove Distilling Co., Inc., Chicago, Ill., assignor to The K. Taylor Distilling Co. Inc., Frankfort, Ky. Whiskey. Serial No. 368,239; Feb. 18. Class 46.

Spring Grove Distilling Co. Inc., Chicago, Ill., assignor to The K. Taylor Distilling Co. Inc., Frankfort, Ky. Whiskey. Serial No. 368,863; Feb. 18. Class 46.

Standard Trading Mills, Inc., New York, N. Y. Bedspreads, draperies, sheets, etc. Serial No. 369,686; Feb. 18. Class 42.

Starck, John R., doing business as Belo Laboratories, New York, N. Y. Lubricating oils and greases. Serial No. 371,507; Feb. 18. Class 15.

Stein, A., & Company, Chicago, Ill. Dress shields. Serial No. 372,642; Feb. 18. Class 40.

Stern, Louis D., doing business as Monroe Co., Inc., Cleveland, Ohio. Liquid asbestos roof cement. Serial No. 372,291; Feb. 18. Class 12.

Straesser, Michael J., doing business as Q. D. A. Laboratories, Paterson, N. J. Motor lubricating oils, motor fuel gasoline and heater fuel oils. Serial No. 364,866; Feb. 18. Class 10.

Sturtevant, B. F., Company, Boston, Mass. Railway air conditioning units and systems and parts thereof. Serial No. 370,979; Feb. 18. Class 34.

Super Yarn Manufacturing Corp., New York, N. Y. Thread and yarn. Serial No. 372,259; Feb. 18. Class 42.

Sunberg & Feinberg, Inc., New York, N. Y. Women's underwear. Serial No. 372,644; Feb. 18. Class 39.

Sweet-Orr & Co., Inc., Wappingers Falls and New York, N. Y. Men's shirts. Serial No. 372,085; Feb. 18. Class 39.

Taylor, K., Distilling Co. Inc., The. (See Spring Grove Distilling Co., assignor.)

Tovrea Packing Company, Phoenix, Ariz. Shortening. Serial No. 366,125; Feb. 18. Class 46.

Tovrea Packing Company, Phoenix, Ariz. Hams, bacon, chile con carne, etc. Serial No. 369,085; Feb. 18. Class 46.

Uncle Sam Chemical Co., Inc., New York, N. Y. Floor wax. Serial No. 356,649; Feb. 18. Class 16.

United Feature Syndicate, Inc., New York, N. Y. Comic drawings. Serial Nos. 371,267-9; Feb. 18. Class 38.

Vanderbilt, R. T., Company, Inc., New York, N. Y. Precipitated calcium carbonate. Serial No. 372,646; Feb. 18. Class 6.

Van Kempen, J. H., Amsterdam, Netherlands. Gin. Serial No. 371,619; Feb. 18. Class 49.

Vel-Vet-Teen Company, Springfield, Mass. Hand cleanser. Serial No. 368,720; Feb. 18. Class 4.

Vi-Jon Laboratories. (See Peroxide Chemical Co., The.)

Vit Incorporated, Minneapolis, Minn. Shampoo. Serial No. 372,089; Feb. 18. Class 6.

Vogt, Christ, doing business as Ypsilanti Brewing Company, Ypsilanti, Mich. Beer. Serial No. 373,650; Feb. 18. Class 45.

Vulcanized Rubber Company, The, New York, N. Y. Hair combs. Serial No. 371,293; Feb. 18. Class 40.

Waldorf Paper Products Company, St. Paul, Minn. Paper or fiber cartons or boxes. Serial No. 369,286; Feb. 18. Class 2.

Warwick Chemical Company, West Warwick, R. I. Organic chemical salt for use in the throwing of silk. Serial No. 372,616; Feb. 18. Class 6.

Western Clock Company, Peru, Ill. Clocks and watches. Serial No. 372,895; Feb. 18. Class 27.

West Virginia Pulp & Paper Company, New York, N. Y. Paper. Serial Nos. 359,838-7; Feb. 18. Class 37.

West Virginia Pulp & Paper Company, New York, N. Y. Paper coated on one side. Serial No. 359,839; Feb. 18. Class 37.

White's, S. R., Sons, Inc., Norfolk, Va. Plows, plow shares, points, etc. Serial No 370,233; Feb. 18. Class 23.

Williamson, D. D., & Company, Inc., doing business as Enkeo Malt Products Co., Long Island City, N. Y. Preparations for flavoring and coloring beer. Serial No. 370,785; Feb. 18. Class 46.

Witold Products Company. (See Kuczynski, Witold V.)

Wolf, Jacques, and Co., Passaic, N. J. Yellowish oily preparation for use in treatment of all kinds of textile fibers in sizing, dyeing, etc. Serial No. 371,660; Feb. 18. Class 6.

Wolff, Dr. George Fred, & Assn., Inc., Chicago, Ill. Antiseptic hair growing preparation in ointment form. Serial No. 373,192; Feb. 18. Class 6.

Woman, Inc., Chicago, Ill. Magazine. Serial No. 367,018; Feb. 18. Class 38.

Wynne, Clarence P., doing business as Phoenix Preparations, Scranton, Pa. Ointment and jelly for constipation. Serial No. 370,438; Feb. 18. Class 6.

Wynne, Clarence P., doing business as Phoenix Preparations, Scranton, Pa. Antiseptic jelly and ointment to relieve itching skin, sunburn, etc. Serial No. 370,439; Feb. 18. Class 6.

Ypsilanti Brewing Company. (See Vogt, Christ.)

Zlotogorski, Salvi G., New York, N. Y. Natural mineral water. Serial No. 367,696; Feb. 18. Class 45.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Shear Company, The, Bridgeport, Conn. Scissors and shears. 332,681; Feb. 18, Class 23.

Advertising Publications, Inc., Chicago, Ill., and New York, N. Y. Periodical. 332,049; Feb. 18; Serial No. 347,226; published Dec. 10, 1935. Class 38.

Agfa Ansco Corporation, Binghamton, N. Y. Sensitized photographic film. 332,493; Feb. 18; Serial No. 370,448; published Dec. 3, 1935. Class 57.

Aircraft Specialties, Inc., Lapeer, Mich. Drawing game. 332,488; Feb. 18; Serial No. 370,766; published Dec. 10, 1935. Class 22.

"Aleta" Pharmazeutische Produkte G. m. b. H., Munich, Germany. Sugar preparations and powdered milk for infants. 332,823; Feb. 18; Serial No. 366,797; published Dec. 10, 1935. Class 46.

Algoma Plywood & Veneer Company, Algoma, Wis. Plywood with metal faces. 332,470; Feb. 18; Serial No. 370,648; published Dec. 10, 1935. Class 12.

Almo Undergarment Company, Inc., New York, N. Y. Ladies' undergarments. 332,512; Feb. 18; Serial No. 369,176; published Dec. 10, 1935. Class 39.

Alps Sportswear Mfg. Co., Inc., Boston, Mass. Sweaters. 332,641; Feb. 18; Serial No. 368,765; published Nov. 26, 1935. Class 39.

American Laundry Machinery Company, The, Cincinnati, Ohio. Pressing machines. 332,587; Feb. 18; Serial No. 371,085; published Dec. 10, 1935. Class 34.

American Pantosept Company, The, doing business as Neuerts Company, Chicago, Ill. Vaginal inserts for feminine hygiene. 332,470; Feb. 18; Serial No. 369,642; published Dec. 3, 1935. Class 6.

American Record Corporation, New York, N. Y. Phonograph needles. 332,645; Feb. 18; Serial No. 367,314; published Dec. 3, 1935. Class 36.

American Silk Spinning Co., Providence, R. I. Yarns. 332,654; Feb. 18; Serial No. 367,481; published Dec. 3, 1935. Class 43.

Amity Leather Products Co., West Bend, Wis. Pocketbooks. 332,673; Feb. 18. Class 3.

Aronson-Caplin Company, Inc., New York, N. Y. Women's apparel. 332,565; Feb. 18; Serial No. 363,850; published Dec. 10, 1935. Class 39.

Arsepto Products Co. (See Toombs, Farrell C.)

Asia Co., The, Los Angeles, Calif. Canned eels. 332,564; Feb. 18; Serial No. 367,053; published Dec. 10, 1935. Class 46.

Atlanta Hub Co., Inc., New York, N. Y. Leather sheet. 332,659; Feb. 18; Serial No. 366,764; published Dec. 10, 1935. Class 39.

Atlantic Rubber Manufacturing Corporation, New York, N. Y. Dental rubber. 332,668; Feb. 18; Serial No. 370,236; published Dec. 10, 1935. Class 44.

Auto-Cruiser Mfg. and Sales Co. Inc., Baltimore, Md. Trailers. 333,493; Feb. 18; Serial No. 370,494; published Dec. 10, 1935. Class 19.

Autographic Register Company, Hoboken, N. J. Continuous writing strips interleaved with carbon strips. 332,670; Feb. 18; Serial No. 370,378; published Dec. 10, 1935. Class 37.

Barnett, Lewis, doing business as International Models Company, New York, N. Y. Toy aeroplanes, parts, propellers, and accessories therefor. 332,650; Feb. 18; Serial No. 367,557; published Dec. 10, 1935. Class 22.

Becker, Edwin E., doing business as Fur-Bird Laboratories, Chicago, Ill. Tonic, female tonic, rheumatism tonic, etc. 332,661; Feb. 18; Serial No. 364,506; published Nov. 26, 1935. Class 6.

Belding Bros. & Co., Rockville, Conn., and New York, N. Y., by change of name to Belding Hemingway Company, Putnam, Conn., and New York, N. Y. Textile threads. 109,506–7; renewed Apr. 11, 1936.

Belding Bros. & Co., Rockville, Conn., and New York, N. Y., by change of name to Belding Hemingway Company, Putnam, Conn., and New York, N. Y. Silk piece goods and mixed silk and cotton piece goods. 109,510–11; renewed Apr. 11, 1936.

Belding Bros. & Co., Rockville, Conn., and New York, N. Y., by change of name to Belding Hemingway Company, Putnam, Conn., and New York, N. Y. Artificial silk. 109,532; renewed Apr. 11, 1936.

Belding Bros. & Co., Rockville, Conn., and New York, N. Y., by change of name to Belding Hemingway Company, Putnam, Conn., and New York, N. Y. Dental floss. 109,515; renewed Apr. 18, 1936.

Bemrus Manufacturing Company, Inc., New York, N. Y. Bracelet watch cases. 332,674; Feb. 18. Class 37.

Bob, H. D., Company, Inc., New York, N. Y. Shirts, blouses, pajamas, etc. 332,636; Feb. 18; Serial No. 370,089; published Dec. 3, 1935. Class 39.

Bordiman Co., The, Philadelphia, Pa. Anti-moth cake and deodorant. 332,656; Feb. 18; Serial No. 333,462; published Nov. 26, 1935. Class 6.

Bourjois, Inc., New York, N. Y. Perfume and face powder. 332,581; Feb. 18; Serial No. 369,907; published Dec. 3 1935. Class 6.

Boyd-Welsh, Inc., St. Louis, Mo. Shoe. 332,551; Feb. 18; Serial No. 369,295; published Dec. 10, 1935. Class 39.

Bradley, Milton, Company, Springfield, Mass. Game played with a board and spinning dial. 332,578; Feb. 18; Serial No. 371,190; published Dec. 10, 1935. Class 22.

Brown-Rich Corp., New York, N. Y. Ladies' slips, gowns, pajamas, etc. 332,679; Feb. 18. Class 39.

Brown Shoe Co. Inc., to Brown Shoe Company, Inc., St. Louis, Mo. Leather shoes. 110,163; renewed May 9, 1936.

Bros., Jerry, doing business as J. Bros Specialty Mfg., Atlantic City, N. J. Hectigraphs. 332,629; Feb. 18; Serial No. 364,913; published Dec. 10, 1935. Class 37.

California Pea Products, Inc., Fullerton, Calif. Canned vegetables. 332,677; Feb. 18. Class 46.

Capitol Wine & Spirits Corporation, New York, N. Y. Gin, whiskey and brandy. 332,577; Feb. 18; Serial No. 371,296; published Dec. 10, 1935. Class 49.

Capper & Capper, Ltd., Chicago, Ill. Pajamas and sleeping garments. 332,602; Feb. 18; Serial No. 369 595; published Nov. 26, 1935. Class 39.

Case & Co., Inc., New York, N. Y. Lace piece goods. 332,628; Feb. 18; Serial No. 370,029; published Dec. 10, 1935. Class 42.

Chicago Belting Co., Chicago, Ill. Leather belting. 332,680; Feb. 18. Class 35.

Chipman's, Chas., Sons Co. Inc., New York N. Y. Hosiery. 332,491; Feb. 18; Serial No. 370,495; published Dec. 3, 1935. Class 39.

Colling & Altman Corporation, Philadelphia, Pa., and New York, N. Y. Rib fabrics. 333,583; Feb. 18; Serial No. 369,954; published Dec. 10, 1935. Class 42.

Colling & Altman Corporation, Philadelphia, Pa., and New York N. Y. Pile fabrics. 333,584; Feb. 18; Serial No. 369,960; published Dec. 10, 1935. Class 42.

Cordova, E., and Company, New York, N. Y. Cigars. 332,592; Feb. 18; Serial No. 368,943; published Dec. 10, 1935. Class 17.

Crane Co., Chicago, Ill. Rubbers, radiators, furnaces, etc. 332,601; Feb. 18; Serial No. 369,675; published Dec. 10, 1935. Class 34.

Daily Review Corporation, Rockville Center, N. Y. Daily newspapers. 332,565; Feb. 18; Serial No. 369,067; published Dec. 10, 1935. Class 38.

Daniels, W. C. Bustle, Fla. Canned and fresh citrus fruits. 332,676; Feb. 18. Class 46.

Davis Press, Inc., The, Worcester, Mass. Periodicals. 332,502; Feb. 18; Serial No. 374,871; published Dec. 10, 1935. Class 38.

De la Torre, J., e Hijo, Mexico, D. F., Mexico. Filler clothes. 332,498; Feb. 18; Serial No. 370,082; published Dec. 10, 1935. Class 39.

Dietz, R. E., Company, New York, N. Y. Electrical lamps, lanterns, and headlights. 106,196; renewed Mar. 31, 1936.

Dinnon, Henry, & Sons, Incorporated, Philadelphia, Pa. Measuring and scientific appliances. 106,601; renewed Feb. 22, 1936.

Donovan, P. C., Inc., Boston, Mass. Leather. 332,666; Feb. 18. Class 3.

Dybbell, James V., doing business as The Dybbell Dye Co., Carrollton, Ky. Liquid ointment preparations. 332,556; Feb. 18; Serial No. 369,461; published Nov. 26, 1935. Class 6.

Dunn & McCarthy, to Dunn & McCarthy, Inc., Auburn, N. Y., successor. Boots and shoes. 110,468; renewed May 26, 1936.

Elsenlohr, Wagner, Inc., New York, N. Y. Cigars. 332,489; Feb. 18; Serial No. 370,979; published Dec. 10, 1935. Class 17.

Elsenlohr, Wagner, Inc., New York, N. Y. Cigars. 332,490; Feb. 18; Serial Nos. 370,979–9; published Dec. 10, 1935. Class 17.

Emmer Derriot & Equipment Company, Los Angeles, Calif. Tractor drawn earth conveyors. 332,554; Feb. 18. Class 35.

Epstein, Myer C., doing business as Oak Hall Knitted Fashions, New York, N. Y. Women's knitted helmets, knitted sweaters, knitted dresses. 332,537; Feb. 18; Serial No. 370,046; published Dec. 3, 1935. Class 39.

Fay, Leyola J., doing business as Fay's Laboratories, Spokane, Wash. Tablets used to relieve weariness, mental fatigue, etc. 332,604; Feb. 18; Serial No. 368,747; published Dec. 3, 1935. Class 6.

Feder, Leo, Los Angeles, Calif. Shoes. 332,616; Feb. 18; Serial No. 367,998; published Dec. 10, 1935. Class 39.

Federated Metals Corporation, New York, N. Y. Metals, metal alloys and metal products in bars, ingots, etc. 332,607; Feb. 18; Serial No. 371,010; Dec. 10, 1935. Class 14.

Ferguson, Stanley W., Inc., Boston, Mass. Coffee. 332,480; Feb. 18; Serial No. 370,796; published Dec. 10, 1935. Class 46.

Filbert, J. H., Inc., Baltimore, Md. Mayonnaise. 332,468; Feb. 18; Serial No. 370,836; published Dec. 10, 1935. Class 46.

Finch, Joseph E., & Company, Schenley, Pa. Whiskey, brandy, gin, etc. 332,676; Feb. 18. Class 49.

Fink-Rosenberg Co., Inc., New York, N. Y. Photographic preparations and chemicals. 332,589; Feb. 18; Serial No. 368,518; published Nov. 26, 1935. Class 4.

Fink-Rosenberg Co., Inc., New York, N. Y. Photographic preparations. 332,590; Feb. 18; Serial No. 369,619; published Nov. 26, 1935. Class 4.

Florsheim Shoe Company, The, Chicago, Ill. Hosiery. 332,630; Feb. 18; Serial No. 370,547; published Nov. 26, 1935. Class 39.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 332,525; Feb. 18; Serial No. 369,833; published Dec. 3, 1935. Class 42.

Forstner Chain Corporation, Irvington, N. J. Articles of jewelry. 332,535; Feb. 18; Serial No. 363,894; published Dec. 3, 1935. Class 36.

Fort Worth Steel & Machinery Co., Fort Worth, Tex. Cotton machinery such as pressers and filers, etc. 332,599; Feb. 18; Serial No. 362,209; published July 14, 1936. Class 23.

Franciscan Packing Co., Salinas, Calif. Fresh vegetables. 332,569; Feb. 18; Serial No. 370,606; published Dec. 10, 1935. Class 46.

Frantz, Samuel G., New York, N. Y. Magnetic self-starters. 332,592; Feb. 18; Serial No. 366,126; published Dec. 3, 1935. Class 23.

Freeman, H., & Son, Inc., Philadelphia, Pa. Top coats, overcoats, and suits. 332,692; Feb. 18; Serial No. 356,407; published Dec. 10, 1935. Class 39.

French Ice Cream Co., to Pioneer Ice Cream Brands, Inc., New York, N. Y., successor. Ice-cream and water-ices. 107,843; renewed Dec. 26, 1936.

Garofalo, Albert E., Brawley, Calif. Fresh vegetables. 332,682; Feb. 18. Class 46.

General Purification Co., Phoenix, Ariz., and Madison, Wis., assignee, by mesne assignments, to General Laboratories, Inc., Philadelphia, Pa. Sterilizers, manufacturers, and purifiers. 106,322; renewed Feb. 1, 1936.

General Sports Inc., Chicago, Ill. Golf clubs and golf balls. 332,549; Feb. 18; Serial No. 369,389; published Dec. 10, 1935. Class 22.

General Sports Inc., Chicago, Ill. Golf clubs and golf balls. 332,550; Feb. 18; Serial No. 369,393; published Dec. 10, 1935. Class 22.

Gibson, Inc., Kalamazoo, Mich. Fretted musical instruments and strings and parts thereof. 332,672; Feb. 18. Class 36.

Goldberg, H., Underwear, Inc., New York, N. Y. Slips. 332,472; Feb. 18; Serial No. 369,651; published Dec. 3, 1935. Class 39.

Goldman, Mary T. Co. (See Monroe Chemical Co.)

Gold Medal Hazelton Oil Corp., Brooklyn, N. Y. Medicinal preparations. 332,510; Feb. 18; Serial No. 369,236; published Dec. 3, 1935. Class 6.

Goldsmith Bros., New York, N. Y. Wire clips for stationery purposes. 332,468; Feb. 18; Serial No. 370,767; published Dec. 10, 1935. Class 37.

Goldsmith Bros., New York, N. Y. Lead pencils. 332,485; Feb. 18; Serial No. 370,765; published Dec. 10, 1935. Class 37.

Goodstein Bros. & Co., Inc., New York, N. Y. Men's coats. 332,542; Feb. 18; Serial No. 369,870; published Nov. 26, 1935. Class 39.

Gotfried, M. A., doing business as M. A. Gotfried Co., Santa Paula, Calif. Fresh vegetables. 332,603; Feb. 18; Serial No. 370,575; published Dec. 10, 1935. Class 46.

Grant Vending Corp., New York, N. Y., now by change of name, Grant Photo Corporation. Articles of commerce comprising a holder, a composite photograph in the holder and a movable screen in front of the photograph. 332,641; Feb. 18; Serial No. 361,313; published Dec. 3, 1935. Class 36.

Griffith Laboratories, Inc., The, Chicago, Ill. Flavoring composition and dressing to be added to ground meats. 332,683; Feb. 18. Class 46.

Guerrieri, Giuseppe, doing business as Santa Fe Vintage Co., Los Angeles, Calif. Brandies. 332,479; Feb. 18; Serial No. 370,649; published Dec. 10, 1935. Class 49.

Guerrieri, Giuseppe, doing business as Santa Fe Vintage Co., Los Angeles, Calif. Wines. 332,488; Feb. 18; Serial No. 370,650; published Dec. 17, 1935. Class 47.

Guerrieri, Giuseppe, doing business as Santa Fe Vintage Company, Los Angeles, Calif. Brandies. 332,565; Feb. 18; Serial No. 370,809; published Dec. 10, 1935. Class 49.

Gulf Refining Company, Port Arthur, Tex., and Pittsburgh, Pa. Kerosene. 107,912; renewed Jan. 4, 1936.

Gulf Refining Company, Port Arthur, Tex., and Pittsburgh, Pa. Pure refined paraffin-wax. 107,914; renewed Jan. 4, 1936.

Gynae Research Laboratories. (See Silver, Max.)

Hall Hardware Company, Minneapolis, Minn. Cleaning and polishing oils for floors and furniture. 332,489; Feb. 18; Serial No. 370,505; published Dec. 10, 1935. Class 16.

Haller, Donald M., Chambersburg, Pa. Medicine in the form of capsules. 107,749; renewed Dec. 22, 1936.

Hammett, J. L., Company, Cambridge, Mass., and Newark, N. J. Dressing gowns, rompers, and rubber trousers. 332,690; Feb. 18; Serial No. 364,999; published Dec. 10, 1935. Class 39.

Hart, Schaffner & Marx, Chicago, Ill. Coats, vests, trousers, etc. 111,048–4; renewed June 27, 1936.

Hearn Department Stores, Inc., New York, N. Y. Gin. 332,514; Feb. 18; Serial No. 371,090; published Dec. 10, 1935. Class 49.

Heller, B., & Company, Chicago, Ill. Prepared cocoa. 332,635; Feb. 18; Serial No. 370,090; published Dec. 10, 1935. Class 46.

Henly Laboratories, New York, N. Y. Analgesic and antipyretic. 332,699; Feb. 18; Serial No. 368,589; published Nov. 26, 1935. Class 6.

Hijos de Diego Montoya, S. en C., Habana, Cuba. Leaf tobacco. 332,606; Feb. 18; Serial No. 368,142; published Dec. 10, 1935. Class 17.

Hillsboro-Queen Anne Cooperative Corp., Queen Anne and Baltimore, Md. Fresh vegetables. 332,509; Feb. 18; Serial No. 370,152; published Dec. 10, 1935. Class 46.

Housing Publications, Inc., New York, N. Y. Periodical. 332,567; Feb. 18; Serial No. 370,616; published Dec. 10, 1935. Class 38.

Idaho Candy Company, Boise, Idaho. Candies. 106,489; renewed Apr. 11, 1936.

Illinois Athletic Club, The, Chicago, Ill. Magazine. 332,566; Feb. 18; Serial No. 370,517; published Dec. 10, 1935. Class 38.

Imperial Clay Products Corporation, Cleveland, Ohio. Sewer pipe of clay. 332,627; Feb. 18; Serial No. 368,833; published Dec. 3, 1935. Class 34.

International Silver Company. (See Barnett, Lewis.)

Intersine Dress Corporation, New York, N. Y. Gowns, frocks, and dresses. 332,511; Feb. 18; Serial No. 369,192; published Dec. 3, 1935. Class 39.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 332,526; Feb. 18; Serial No. 369,898; published Dec. 3, 1935. Class 39.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 332,694; Feb. 18; Serial No. 369,129; published Dec. 3, 1935. Class 39.

Ival & Company, Limited, New York, N. Y. Crests, thimbles, shoe horns, etc. 332,633; Feb. 18; Serial No. 367,355; published Nov. 19, 1935. Class 40.

Jackson, Morris B., Jr., Seattle, Wash. Combination ax, brush-knife, and hook tool. 332,614; Feb. 18; Serial No. 363,171; published Dec. 3, 1935. Class 23.

Johns-Manville Corporation, New York, N. Y. Plastic sealing compound for ducts and the like. 332,664; Feb. 18; Serial No. 361,067; published Dec. 3, 1935. Class 12.

Kadana-Brown, Inc., Dallas, Tex. Salad dressing, sandwich spread, eggs, and oleomargarine. 332,624; Feb. 18; Serial No. 367,244; published Dec. 10, 1935. Class 46.

Kahn-Halbreich, Abe, Co., New York, N. Y. Children's dresses. 332,503; Feb. 18; Serial No. 368,762; published Nov. 26, 1935. Class 39.

Kaplan, J. & M., Inc., doing business as The O. K. Knee Pants Co., New York, N. Y. Men's trousers and boys' suits and trousers. 332,537; Feb. 18; Serial No. 369,867; published Dec. 3, 1935. Class 39.

Kaylene, Limited, London, England. Medicinal preparations for veterinary use. 332,528–9; Feb. 18; Serial Nos. 369,385–9; published Dec. 3, 1935. Class 6.

Keller, Heumann & Thompson Company, Inc., Rochester, N. Y. Men's suits, topcoats, and overcoats. 332,624; Feb. 18; Serial No. 370,107; published Dec. 3, 1935. Class 39.

Kernahs, Elizabeth G., South Orange, N. J. Road patching and paving material. 332,521; Feb. 18; Serial No. 369,740; published Dec. 3, 1935. Class 12.

Kinsley, Guy R., San Francisco, Calif. Canned fruits, canned vegetables. 332,477; Feb. 18; Serial No. 370,587; published Dec. 10, 1935. Class 46.

Kleinert, I. B., Rubber Company, New York, N. Y. Baby pants. 333,816; Feb. 13; Serial No. 369,812; published Nov. 26, 1935. Class 39.

Kommanditbolaget Spik- & Knäckebröds-fabrikera Kronan, Barthel Koch & Sandbyborg, Sweden. Dry Swedish rye bread. 332,626; Feb. 18; Serial No. 369,759; published Dec. 10, 1935. Class 46.

Kurtz Brothers Corporation, Philadelphia, Pa. Spaghetti, macaroni, noodles, etc. 332,597; Feb. 18; Serial No. 364,251; published Dec. 10, 1935. Class 46.

Lahan, Harry, doing business as Robert-Mint Co., Philadelphia, Pa. Headache medicine. 332,524; Feb. 18; Serial No. 365,702; published Nov. 26, 1935. Class 6.

Lamont, Corliss & Company, New York, N. Y. Chocolate. 333,629–30; Feb. 18; Serial Nos. 361,709–10; published Apr. 16, 1935. Class 46.

Lamont, Corliss & Company, New York, N. Y. Prepared edible chocolate. 332,625; Feb. 18; Serial No. 361,711; published Apr. 16, 1935. Class 46.

La Salle Products Inc., Milwaukee, Wis., assignee to D. A. Schulte, Inc., New York, N. Y. Wines. 332,668; Feb. 18; Serial No. 370,186; published Dec. 10, 1935. Class 47.

Lebon Company, The, Chicago, Ill. Asbestos siding shingles. 332,505; Feb. 18; Serial No. 370,808; published Dec. 10, 1935. Class 13.

Leak & Sprague Corporation, Upper Darby, Pa. Wrappers for cakes. 332,658; Feb. 18; Serial No. 368,812; published Dec. 10, 1935. Class 2.

Lerner Blouse Co., New York, N. Y. Ladies' dresses, blouses, and waists. 332,501; Feb. 18; Serial No. 370,854; published Dec. 3, 1935. Class 39.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's and boys' overcoats. 332,498; Feb. 18; Serial No. 370,715; published Dec. 10, 1935. Class 39.

Lind, William, doing business as William Lind Co., New York, N. Y. Cotton piece goods. 332,545; Feb. 18; Serial No. 369,615; published Dec. 3, 1935. Class 42.

Lind, William, doing business as William Lind Co., New York, N. Y. Cotton piece goods. 332,546; Feb. 18; Serial No. 369,617; published Dec. 3, 1935. Class 42.

Laye Distributing Co. (See Pack, L. D.)

Lagas & Fuertes, Mayaguez, P. R. Maltose beverage. 332,585; Feb. 18; Serial No. 368,508; published Dec. 10, 1935. Class 46.

Lytle, Edward C., Baltimore, Md. Corn remedies. 108,484; renewed Feb. 8, 1938.

Manhattan Shirt Company, The, New York, N. Y. Outer shirts. 332,606; Feb. 18; Serial No. 368,288; published Dec. 10, 1935. Class 39.

Manhattan Shirt Company, The, New York, N. Y. Outer shirts. 332,607; Feb. 18; Serial No. 368,232; published Dec. 10, 1935. Class 39.

Manville Company, Providence, to Manville Jenckes Corporation, Manville, R. I., successor. Cotton and mixed piece goods and draperies. 110,755; renewed June 18, 1936.

Manville Company, Providence, to Manville Jenckes Corporation, Manville, R. I., successor. Napkins. 110,756; renewed June 18, 1936.

Marcalus Manufacturing Co., Inc., Elizabeth, N. J. Waxed paper. 332,642; Feb. 18; Serial No. 370,557; published Dec. 10, 1935. Class 37.

Marietta Paint & Color Co., The, Marietta, Ohio. Crack and crevice filler. 332,487; Feb. 18; Serial No. 370,665; published Dec. 10, 1935. Class 16.

Marshall Field & Company, Chicago, Ill. Hosiery. 332,995; Feb. 18; Serial No. 364,668; published Nov. 26, 1935. Class 39.

Meyer, William, New York, N. Y. Necktie. 332,661; Feb. 18; Serial No. 367,268; published Dec. 10, 1935. Class 39.

McCreery, James, & Company, New York, N. Y. Hosiery, shirts, pajamas, etc. 332,697; Feb. 18; Serial No. 370,385; published Dec. 3, 1935. Class 39.

McKenzie, Clarence J., Boston, Mass., assignor to Frederick A. Ridley, New York, N. Y. Paper and envelopes. 112,169; renewed May 2, 1936.

McNeil Laboratories, Inc., Philadelphia, Pa. Diuretic and antacid tablets. 332,662; Feb. 18; Serial No. 366,976; published Dec. 3, 1935. Class 6.

McNeil Laboratories, Inc., Philadelphia, Pa. Medicinal syrup. 332,496; Feb. 18; Serial No. 367,262; published Nov. 26, 1935. Class 6.

McNeil Laboratories, Inc., Philadelphia, Pa. Antipyretic and analgesic tablets and capsules. 332,535; Feb. 18; Serial No. 366,975; published Dec. 3, 1935. Class 6.

McNeil Laboratories, Inc., Philadelphia, Pa. Antispasmodic tablets and elixir. 332,536; Feb. 18; Serial No. 366,974; published Dec. 3, 1935. Class 6.

McNeil Laboratories, Inc., Philadelphia, Pa. Antacid and carminative tablets, powder, and lozenges. 332,537; Feb. 18; Serial No. 366,973; published Dec. 3, 1935. Class 6.

McNeil Laboratories, Inc., Philadelphia, Pa. Medicated capsules. 332,633; Feb. 18; Serial No. 367,934; published Nov. 26, 1935. Class 6.

Miller & Manx, Inc., New York, N. Y. Women's and misses' sport coats. 332,590; Feb. 18; Serial No. 368,267; published Dec. 3, 1935. Class 39.

Mock, Judson, Voehringer Company of New York, Inc., Long Island City, N. Y. Hosiery. 332,602; Feb. 18; Serial No. 366,728; published Dec. 3, 1935. Class 39.

Monroe Chemical Co., doing business as Mary T. Goldman Co. Hair color restorers. 332,662; Feb. 18; Serial No. 344,199; published Feb. 13, 1934. Class 6.

Morton Company, Philadelphia, Pa. Suits, coats, vests, etc. 332,562; Feb. 18; Serial No. 360,126; published Nov. 6, 1935. Class 39.

Morton Manufacturing Corporation, doing business as Whitehouse Chemical Company, Lynchburg, Va. Emulsion of mineral oil with agar agar and Irish moss. 332,553; Feb. 18; Serial No. 360,453; published Nov. 26, 1935. Class 6.

Morton Manufacturing Corporation, doing business as Whitehouse Chemical Company, Lynchburg, Va. Emulsion of mineral oil with agar agar and Irish moss, and cascara. 332,555; Feb. 18; Serial No. 360,454; published Nov. 26, 1935. Class 6.

Motor Products, Incorporated, Los Angeles, Calif. Cast iron and aluminum alloy pistons. 332,666; Feb. 18. Class 23.

Naamloose Vennootschap Verenigde Nederlandsche Lucifersfabrieken, to N. V. Verenigde Hollandsche Lucifersfabrieken, Eindhoven, Netherlands, successor. Matches. 110,356; renewed May 14, 1936.

Nannette Manufacturing Co., Philadelphia, Pa. Children's dresses, boys' suits, play-togs, etc. 332,561; Feb. 18; Serial No. 371,107; published Dec. 10, 1935. Class 39.

Nassau Daily Star Corporation, Lynbrook, N. Y. Daily newspapers. 332,601; Feb. 18; Serial No. 369,022; published Dec. 3, 1935. Class 38.

National Tool Company, The, Cleveland, Ohio. Gear shaving and burnishing tools. 332,626; Feb. 18; Serial No. 364,350; published Dec. 3, 1935. Class 23.

Naturade Products Co. (See Schulman, Nathan.)

Needlecraft Publishing Company, Augusta, Maine. Periodical. 332,547; Feb. 18; Serial No. 369,622; published Dec. 10, 1935. Class 38.

Nelsons-Edwards Paper Company, Fort Edwards, Wis. Wrapping paper. 332,658; Feb. 19; Serial No. 367,444; published Dec. 10, 1935. Class 37.

Neocerts Company. (See American Pantocept Company.)

Neroform Schweiz, Telephon-Dentafektions-gesellschaft, Bern, Switzerland. Disinfectants. 110,678; renewed June 6, 1936.

Nordmark Chemical Works, Inc., New York, N. Y. Preparation for treatment of syphilis. 332,549; Feb. 18; Serial No. 366,635; published Dec. 3, 1935. Class 6.

North American Mercantile Company, San Francisco, Calif. Canned fish. 332,554; Feb. 18; Serial No. 360,413; published Dec. 10, 1935. Class 46.

O. K. Knee Pants Co., The. (See Kaplan, J. & M. & M., Inc.)

Oak Hall Knitted Fashions. (See Epstein, Myer C.)

Ohio Dress and Coat Company, The, Cincinnati, Ohio. Coats. 332,464; Feb. 18; Serial No. 370,721; published Dec. 10, 1935. Class 39.

Old Ben Coal Corporation, Chicago, Ill. Coal. 332,648; Feb. 18; Serial No. 370,421; published Dec. 10, 1935. Class L.

Owen Canning Company, Owen, Wis. Canned fruits and vegetables. 332,541; Feb. 18; Serial No. 370,359; published Dec. 10, 1935. Class 46.

Pease Dye Company, Newark, N. J. Decorative wrappers for Easter eggs. 332,617; Feb. 18; Serial No. 342,139; published Nov. 12, 1935. Class 37.

Peck, L. D., doing business as Lee's Distributing Co., Wheeling, W. Va. Mineral salts. 332,567; Feb. 18; Serial No. 360,501; published Nov. 26, 1935. Class 6.

Paramount Sales, Inc., Benton Harbor, Mich. Window display blocks. 332,539; Feb. 18; Serial No. 366,366; published Dec. 10, 1935. Class 50.

Parker Pen Company, The, Janesville, Wis. Fountain pens. 332,612; Feb. 18; Serial No. 363,769; published Dec. 10, 1935. Class 37.

Peerless Mfg. Co., The, Norristown, assignor to Scott Paper Company, Chester, Pa. Toilet-paper. 110,235; renewed May 19, 1936.

Pender, David, Grocery Company, Norfolk, Va. Salad dressing, sandwich spread, mayonnaise, etc. 332,627; Feb. 18; Serial No. 368,940; published Dec. 10, 1935. Class 46.

Pendergast, T. J., Wholesale Liquor Company, Kansas City, Mo. Whiskey, gin, rum, etc. 332,697; Feb. 18. Class 49.

Pensotano, Anthony, Astoria, N. Y. Disinfectants. 332,619; Feb. 18; Serial No. 368,049; published Nov. 26, 1935. Class 6.

Perra Manufacturing Company, Chicago, Ill. Hair waving solutions or preparations. 332,521; Feb. 18; Serial No. 366,451; published Nov. 26, 1935. Class 6.

Piccin, Antonio, Brooklyn, N. Y. Canned fruits and vegetables, canned fish, etc. 332,517; Feb. 18; Serial No. 370,430; published Dec. 10, 1935. Class 46.

Pietig, F., Marschendorf, Czechoslovakia. Cigarette paper. 332,513; Feb. 18; Serial No. 367,097; published Dec. 10, 1935. Class 6.

Pioneer Ice Cream Rounds, Inc. (See Fussell Ice Cream Co.)

Plymouth Hosiery Mills, High Point, N. C. Hosiery. 332,647; Feb. 19; Serial No. 363,851; published Nov. 26, 1935. Class 39.

Publicite France-Americaine, Paris, France. Preparation for diseases of the urinary system. 332,543; Feb. 18; Serial No. 366,643; published Dec. 3, 1935. Class 6. Serial No. 366,643; published Dec. 3, 1935. Class 6.

Pur-Nyb Laboratories. (See Booher, Edwin B.)

Quabaug Rubber Company, North Brookfield, Mass. Rubber soles. 332,542; Feb. 18; Serial No. 360,026; published Dec. 10, 1935. Class 39.

Rafferty, Lloyd A., San Francisco, Calif. Prepared powder of food ingredients to be added to gin and other drinks. 332,544; Feb. 19; Serial No. 368,843; published Dec. 10, 1935. Class 46.

Rice's, Bernard, Sons Incorporated, New York, N. Y. Cheese sector bands and similarly ornamented top and bottom sections for flat fifty cigarette cartons. 332,474; Feb. 18; Serial No. 366,668; published Dec. 3, 1935. Class 6.

Rider, Peter F., New York, N. Y. Publications. 332,670; Feb. 19; Serial No. 363,680; published Dec. 10, 1935. Class 38.

Ridley, Frederick A. (See McKenzie, Clarence J., assignor.)

Robillo & Cuneo, Memphis, Tenn. Macaroni, noodles, and spaghetti. 332,539; Feb. 18; Serial No. 370,223; published Dec. 10, 1935. Class 46.

Rose Patch & Label Co., Grand Rapids, Mich. Reinforcing strips for part of garments where buttons are sewed and button-holes made. 110,121; renewed May 9, 1936.

Rowen, A. W., & Co., New York, N. Y. Electric lamps and parts thereof, spark-plugs, lamp-adapters, etc. 107,838; renewed Dec. 7, 1935.

Rosman Bros., Inc., Philadelphia, Pa. Children's dresses, rompers, and play-suits. 332,560; Feb. 18; Serial No. 371,115; published Dec. 10, 1935. Class 39.

Rough Wear Clothing Co., Inc., Middletown, Pa., and New York, N. Y. Coats, slacks, jackets, etc. 332,578; Feb. 18; Serial No. 371,251; published Dec. 10, 1935. Class 39.

Rowdenings Food Products, Inc., Newton Lower Falls, Mass. Preparation for making ice cream. 332,616; Feb. 19; Serial No. 369,516; published Dec. 10, 1935. Class 46.

Rowles, Ernest W. A., to E. W. A. Rowles Co., Chicago, Ill., successor. Chalk writing-crayons. 107,613; renewed Nov. 5, 1935.

Royal Pants Company, Buffalo, N. Y. Snow suits, ski suits, mackinaws, etc. 332,509; Feb. 18; Serial No. 369,340; published Nov. 26, 1935. Class 39.

Rubber Service Laboratories Company, The, Akron, Ohio. Compound used as a vulcanization accelerator in the curing of rubber articles. 332,629; Feb. 18; Serial No. 369,779; published Dec. 3, 1935. Class 6.

Rubber Service Laboratories Company, The, Akron, Ohio. Chemical commercially employed as anti-oxidants in the manufacture of vulcanized rubber articles. 332,631; Feb. 18; Serial No. 369,780; published Dec. 3, 1935. Class 6.

Ruberoid Co., The, Bound Brook, N. J., and New York, N. Y. Asphalt composition roofing. 332,475; Feb. 18; Serial No. 370,570; published Dec. 10, 1935. Class 12.

Ruberoid Co., The, Bound Brook, N. J., and New York, N. Y. Asphalt composition roofing. 332,571-6; Feb. 18; Serial Nos. 370,572-80; published Dec. 10, 1935. Class 12.

Ruberoid Co., The, Bound Brook, N. J., and New York, N. Y. Asphalt composition roofing. 332,574; Feb. 18; Serial No. 370,573; published Dec. 10, 1935. Class 12.

Ruberoid Co., The, Bound Brook, N. J., and New York, N. Y. Asphalt composition roofing. 332,576-4; Feb. 18; Serial Nos. 370,576-7; published Dec. 10, 1935. Class 12.

Rubsam & Horrmann Brewing Co., Stapleton, N. Y. Beer, ale, and porter. 332,478-9; Feb. 18; Serial Nos. 370,431-2; published Dec. 10, 1935. Class 46.

San Angelo Wine & Spirits Corp., Los Angeles, Calif. Gin. 332,671; Feb. 19. Class 49.

San Diego Macaroni Mfg. Co., San Diego, Calif. Spaghetti, macaroni and noodles. 332,602; Feb. 18; Serial No. 368,239; published Dec. 10, 1935. Class 46.

Santa Fe Vintage Co. (See Guerrieri, Giuseppe.)

Saturnia Shoe Products Co., Brooklyn, N. Y. Leather soles and heels. 332,515; Feb. 18; Serial No. 369,880; published Dec. 10, 1935. Class 39.

Savoy Distilled Products Corporation, New York, N. Y. Whiskey. 332,619; Feb. 18; Serial No. 366,930; published Dec. 10, 1935. Class 49.

Scherer, Samuel, New York, N. Y. Leather belts. 332,606; Feb. 18; Serial No. 370,270; published Dec. 10, 1935. Class 39.

Schneider & Armitage, New York, N. Y. Woolen piece goods. 332,[illegible]; Feb. 18; Serial No. 370,[illegible]; published Dec. 3, 1935. Class 42.

Schulman, Nathan, doing business as Naturade Products Co., Long Beach, Calif. Preparation to be used as a laxative. 332,618; Feb. 18; Serial No. 369,800; published Nov. 26, 1935. Class 6.

Schulte, D. A., Inc. (See La Salle Products Inc., assignor.)

Schuylkill Valley Mills, Inc., Spring City, Pa. Hosiery. 332,596; Feb. 18; Serial No. 363,496; published Dec. 10, 1935. Class 39.

Scott Paper Company. (See Peerless Mfg. Co., The, assignor.)

Sears, Roebuck and Co., Chicago, Ill. Men's shoes. 332,631; Feb. 18; Serial No. 368,967; published Dec. 10, 1935. Class 39.

Selby Shoe Company, The, Portsmouth, Ohio. Boots and shoes. 332,643; Feb. 18; Serial No. 366,347; published Dec. 10, 1935. Class 39.

Sellers, Bert E., doing business as Sellers-Brown Coffee Company, St. Louis, Mo. Flavoring extract for food purposes. 107,640; renewed Dec. 24, 1935.

Shane, C. B., Company, assignor to C. B. Shane Corporation, Chicago, Ill. Sale-coats. 108,181; renewed Jan. 18, 1936.

Shellabarger Grain Products Company, Decatur, Ill. Soybean grits or flour for use in the manufacture of malted, fermented beverages. 332,570; Feb. 18; Serial No. 370,566; published Dec. 10, 1935. Class 46.

Shockey-Long, Rutland, Vt. Newspaper sections. 332,677; Feb. 18; Serial No. 369,747; published Dec. 3, 1935. Class 38.

Siegel, M., doing business as M. Siegel Manufacturing Company, Tyler, Tex. Wash frocks, dresses, and underwear. 332,678; Feb. 18. Class 39.

Silez Company, The, Hartford, Conn. Coffee makers. 332,615; Feb. 18; Serial No. 363,122; published Dec. 10, 1935. Class 13.

Silver, Max, doing business as Gynae Research Laboratories, New York, N. Y. Pessary inserting appliances and surgical diaphragm pessaries. 332,530; Feb. 18; Serial No. 369,954; published Dec. 10, 1935. Class 44.

Sleetex Company, Inc., The, New York, N. Y. Vehicle windshield wiper blades. 332,598; Feb. 18; Serial No. 364,579; published Dec. 10, 1935. Class 18.

Sober-Mint Co. (See Laken, Harry.)

Société Anonyme d'Exploitation des Papeteries L. Lacroix Fils, Angouleme, France. Cigarette-paper. 111,027; renewed June 30, 1936.

Societe des Proprietaires Vinicoles de Cognac, J. G. Monnet & Cie., Societe Anonyme, Cognac, France. Cognac. 332,487; Feb. 18; Serial No. 370,531; published Dec. 10, 1935. Class 49.

Southern Kraft Corporation, New York, N. Y. Wrapping paper and kraft paper. 332,502; Feb. 18; Serial No. 370,899; published Dec. 10, 1935. Class 37.

Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. 332,563; Feb. 18; Serial No. 369,115; published Nov. 26, 1935. Class 6.

Stavrones Bonito Co., Chicago, Ill. Pork and beans, canned vegetables, fruit preserves, etc. 332,557; Feb. 18; Serial No. 318,259; published Dec. 10, 1935. Class 46.

Swartwout Company, The, Cleveland, Ohio. Roof ventilators. 332,507; Feb. 18. Class 34.

Symphony Razor Blade Company, Boston, Mass. Razor blades. 332,585; Feb. 18; Serial No. 366,889; published Dec. 3, 1935. Class 28.

Thalcher, Donald B., doing business as Thalcher Laboratories, Milwaukee, Wis. Muscle antiseptics. 332,471; Feb. 18; Serial No. 360,235; published Dec. 3, 1935. Class 6.

Thomas Publishing Co., New York, N. Y. Periodical. 332,611; Feb. 18; Serial No. 366,012; published Dec. 10, 1935. Class 38.

York Bros. Co., Chicago, Ill. Cornets, trumpets, altos, etc. 332,434; Feb. 18; Serial No. 367,613; published Dec. 3, 1935. Class 20.

Toombs, Forrest C., doing business as Asepsis Products Co., Chicago, Ill. Vaginal inserts for feminine hygiene. 332,634; Feb. 18; Serial No. 368,669; published Dec. 3, 1935. Class 6.

Union Salt Company, The, Cleveland, Ohio. Table salt. 332,649; Feb. 18; Serial No. 367,477; published Dec. 10, 1935. Class 46.

United States Rubber Products, Inc., New York, N. Y. Assembled electrical conductors. 332,522; Feb. 18; Serial No. 370,898; published Dec. 3, 1935. Class 21.

Van Duser Extract Company, Springfield, Mass. Food-flavoring extracts. 108,884; renewed Apr. 14, 1936.

Vestal Chemical Company, St. Louis, Mo. Insecticide. 332,473; Feb. 18; Serial No. 360,697; published Dec. 3, 1935. Class 6.

Vestal Chemical Company, St. Louis, Mo. Insecticide and fumigant. 332,481; Feb. 18; Serial No. 360,634; published Dec. 3, 1935. Class 6.

Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Flavoring extracts for foods. 332,509; Feb. 18; Serial No. 368,117; published Dec. 10, 1935. Class 46.

Vogel, Ruth, Brooklyn, N. Y. Cotton piece goods. 332,496; Feb. 18; Serial No. 367,748; published Dec. 10, 1935. Class 42.

W & S Packing Company, Salinas, Calif. Fresh vegetables. 332,636-9; Feb. 18; Serial Nos. 370,640-1; published Dec. 10, 1935. Class 46.

Waldes & Co., Prague-Wrschowitz, Austria-Hungary, assignors, by mesne assignments, to Waldes Kob-I-Noor, Inc., Long Island City, N. Y. Snap-buttons. 111,080; renewed June 30, 1936.

Wear Fine Cloak Co., Inc., New York, N. Y. Girls' and juniors' coats. 332,504; Feb. 18; Serial No. 369,790; published Dec. 3, 1935. Class 39.

West Virginia Pulp & Paper Company, New York, N. Y. Poster paper. 332,520; Feb. 18; Serial No. 366,845; published Dec. 10, 1935. Class 37.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Alloy castings in the rough. 332,613; Feb. 18; Serial No. 368,606; published Dec. 10, 1935. Class 14.

Whitehouse Chemical Company. (See Morton Manufacturing Corporation.)

Wiegand, Edwin L., Company, Pittsburgh, Pa. Temperature indicators, electric meter testing apparatus, etc. 332,587; Feb. 18; Serial No. 368,467; published Dec. 3, 1935. Class 26.

Winter & Company, New York, N. Y. Pianos. 332,515; Feb. 18; Serial No. 370,401; published Dec. 3, 1935. Class 20.

Wolfson, S., Inc., New York, N. Y. Women's and misses' blouses, dresses, and skirts. 332,540; Feb. 18; Serial No. 369,555; published Dec. 3, 1935. Class 39.

Youngstown Sheet and Tube Company, The, Youngstown, Ohio. Reinforcing bars. 332,644; Feb. 18; Serial No. 370,404; published Dec. 10, 1935. Class 12.

Zeuter, Louis, New York, N. Y. Rubber-covered horseshoes. 332,584; Feb. 18; Serial No. 363,581; published Dec. 10, 1935. Class 2.

LIST OF REGISTRANTS OF LABELS

A. P. W. Paper Company, Inc., Albany, N. Y. Red Cross Toilet Tissue. For Toilet Tissue. 47,053; Feb. 13.

Barker Bros., Incorporated, doing business as Barker Bros., Los Angeles, Calif. Monterey Palm Springs. For Furniture. 47,034; Feb. 13.

Barker Bros., Incorporated, doing business as Barker Bros., Los Angeles, Calif. Vanity Fair. For Furniture. 47,035; Feb. 13.

Bay Canning Co., Bay St. Louis, Miss. Bay Point Brand. For Oysters. 47,036; Feb. 13.

Beedle, Fannie, doing business as Bi-Dees, Medina, Ohio. Glas Gloo. For a Preparation for Cleaning and Polishing Windows, Mirrors, Windshields, etc. 47,037; Feb. 13.

Bloomer Bros. Company, Newark, N. Y. Button Carton Design No. 831. For Butter. 47,038; Feb. 13.

Bloomer Bros. Company, Newark, N. Y. Butter Carton Design No. 829. For Butter. 47,039; Feb. 13.

Bloomer Bros. Company, Newark, N. Y. Butter Carton Design No. 833. For Butter. 47,040; Feb. 13.

Bloomer Bros. Company, Newark, N. Y. Butter Carton Design No. 834. For Butter. 47,041; Feb. 13.

Bloomer Bros. Company, Newark, N. Y. No. 2 Flat Literless Design No. 537. For Ice Cream. 47,042; Feb. 13.

Bloomer Bros. Company, Newark, N. Y. Butter Carton Design No. 837. For Butter. 47,043; Feb. 13.

Bloomer Bros. Company, Newark, N. Y. Butter Carton Design No. 832. For Butter. 47,044; Feb. 13.

Bloomer Bros. Company, Newark, N. Y. Butter Carton Design No. 836. For Butter. 47,045; Feb. 13.

Bloomer Bros. Company, Newark, N. Y. Butter Carton Design No. 838. For Butter. 47,046; Feb. 13.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Avalon. For Cigarettes. 47,047; Feb. 13.

Esther Paper Products Company, The, Toledo, Ohio. Territorial Design No. 229. For Butter. 47,048; Feb. 18.
Derwik, Sthure A., Yonkers and New York, N. Y. Crystal Solitaire #57. For a Game. 47,049; Feb. 18.
Derwik, Sthure A., Yonkers and New York, N. Y. Crystal Solitaire, Midget. For a Game. 47,050; Feb. 18.
Derwik, Sthure A., Yonkers and New York, N. Y. Crystal Solitaire #37. For a Game. 47,051; Feb. 18.
Dixi Cola Company. (See Teaver, Joe L.)
El-Deeb. (See Beedle, Fannie.)
Fidelity Oil Company, Inc., Spartanburg, S. C. Kingsol. For Motor Oil. 47,052; Feb. 18.
Forest City Brewery Inc., Cleveland, Ohio. Waldorf Ale. For Ale. 47,053; Feb. 18.
Frito Co., The, Dallas, Tex. Fritatos. For Potato Chips. 47,054; Feb. 18.
Health Wheat, Inc., Cleveland, Ohio. For Your Health's Sake—Health Wheat. For Breakfast Food. 47,055; Feb. 18.
Kingsly Neckwear Company, Chicago, Ill. Hi-Hat Ties. For Ties. 47,056; Feb. 18.
Little Crow Milling Company, Inc., Warsaw, Ind. Coco-Wheats. For Cocoa Coated Cereal. 47,057; Feb. 18.
Master Chemical Company, Milwaukee, Wis. Lady Lock Hair Tonic. For Hair Tonic. 47,058; Feb. 18.
New York Charcoal Co., Inc., Brooklyn, N. Y. Green Seal Genuine Keepers Seaboard Coke. For Coke. 47,059; Feb. 18.
New York Charcoal Co., Inc., Brooklyn, N. Y. Black Seal Charcoal. For Charcoal. 47,060; Feb. 18.
New York Charcoal Co., Inc., Brooklyn, N. Y. Red Seal Kindling Wood. For Kindling Wood. 47,061; Feb. 18.
New York Charcoal Co., Inc., Brooklyn, N. Y. Orange Band Chestnut Coal. For Chestnut Coal. 47,062; Feb. 18.
Perfect Circle Company, The, Hagerstown, Ind. Piston Ring Set. For Piston Ring Sets. 47,063; Feb. 18.
Perfect Circle Company, The, Hagerstown, Ind. Compression Rings. For Compression Rings for Pistons. 47,064; Feb. 18.
Perfect Circle Company, The, Hagerstown, Ind. Oil Rings. For Oil Rings for Pistons. 47,065; Feb. 18.
Pradan Chemical Company, Orlando, Fla. Myten White Shoe Polish. For White Shoe Polish. 47,066; Feb. 18.
Teaver, Joe L., doing business as Dixi Cola Company, Birmingham, Ala. Dixi-Cola. For a Beverage. 47,067; Feb. 18.
Teaver, Joe L., doing business as Dixi Cola Company, Birmingham, Ala. Triple Dry Lithiated. For a Beverage. 47,068; Feb. 18.

LIST OF REGISTRANTS OF PRINTS

Best, E. H., Portland, Oreg. Dr. Best's Ointment. For an Ointment. 15,573; Feb. 18.
Purfilo Company, The, Washington, Pa. Its Unique—Because its Different. For a Scalp Tonic. 15,574; Feb. 18.
General Mills, Inc., Minneapolis, Minn. Here's How Bread Enters the Spirit of Merry-Making! For Bread. 15,575; Feb. 18.
General Mills, Inc., Minneapolis, Minn. To a Thoughtful Woman Who Wants a Slender Silhouette. For Bread. 15,576; Feb. 18.
General Mills, Inc., Minneapolis, Minn. Madam: Complete Sets of This Exquisite Silverware—Now Given Free. For Flour. 15,577; Feb. 18.
Hills Bros., San Francisco, Calif. Missing Moments (featuring missing cook). For Coffee. 15,578; Feb. 18.
Hills Bros., San Francisco, Calif. Missing Moments (featuring missing magician's "props"). For Coffee. 15,579; Feb. 18.
Hills Bros., San Francisco, Calif. Missing Moments (featuring missing trumps). For Coffee. 15,580; Feb. 18.
Hills Bros., San Francisco, Calif. Missing Moments (featuring missing gasoline). For Coffee. 15,581; Feb. 18.
Hills Bros., San Francisco, Calif. Missing Moments (featuring missing key). For Coffee. 15,582; Feb. 18.
Hills Bros., San Francisco, Calif. Missing Moments (featuring missing baking powder). For Coffee. 15,583; Feb. 18.
Hills Bros., San Francisco, Calif. Missing Moments (featuring missing theater tickets). For Coffee. 15,584; Feb. 18.
Hills Bros., San Francisco, Calif. Missing Moments (featuring missing wallet). For Coffee. 15,585; Feb. 18.
Hills Bros., San Francisco, Calif. Missing Moments (featuring missing cartridges). For Coffee. 15,586; Feb. 18.
Hills Bros., San Francisco, Calif. Missing Moments (featuring missing lipstick). For Coffee. 15,587; Feb. 18.
Hills Bros., San Francisco, Calif. Missing Moments (featuring missing shirt studs). For Coffee. 15,588; Feb. 18.
Hills Bros., San Francisco, Calif. Missing Moments (featuring missing driver's license). For Coffee. 15,589; Feb. 18.
Kemp and Lane, Inc., LeRoy, N. Y. At First Sneeze Take Lane's Cold Tablets. For Cold Tablets. 15,590; Feb. 18.
Kemp and Lane, Inc., LeRoy, N. Y. Stop that Cough with Kemp's Balsam. For a Cough Balsam. 15,591; Feb. 18.
Quality Bakers of America, Inc., New York, N. Y. It's Bread at its Best Because it's Tested. For Bread. 15,592; Feb. 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Old Ben Coal Corporation. 332,643; Feb. 18; Serial No. 370,421; published Dec. 10, 1935.
Leather. F. C. Donovan, Inc. 332,665; Feb. 18.

CLASS 2

Wrappers for cakes. Lenk & Sprague Corporation. 332,658; Feb. 18; Serial No. 366,312; published Dec. 10, 1935.

CLASS 3

Hammocks, Rubber-covered. L. Ziegler. 332,554; Feb. 18; Serial No. 363,861; published Dec. 10, 1935.
Pocketbooks. Amity Leather Products Co. 332,673; Feb. 18.

CLASS 6

Analgesic and antipyretic. Henly Laboratories. 332,655; Feb. 18; Serial No. 368,220; published Nov. 26, 1935.
Antacid and carminative tablets, powder and lozenges. McNeil Laboratories, Inc. 332,587; Feb. 18; Serial No. 369,975; published Dec. 3, 1935.
Anti-sweat cake and deodorant. Dorfman Co. 332,560; Feb. 18; Serial No. 368,469; published Nov. 26, 1935.
Antipyretic and analgesic tablets and capsules. McNeil Laboratories, Inc. 332,535; Feb. 18; Serial No. 369,973; published Dec. 3, 1935.
Antiseptics, Mouth. D. S. Thatcher. 332,471; Feb. 18; Serial No. 369,326; published Dec. 3, 1935.
Antispasmodic tablets and elixir. McNeil Laboratories, Inc. 332,536; Feb. 18; Serial No. 369,974; published Dec. 3, 1935.
Capsules, Medicated. McNeil Laboratories, Inc. 332,633; Feb. 18; Serial No. 367,284; published Nov. 26, 1935.
Chemical compounds employed as antioxidants in the manufacture of vulcanized rubber articles. Rubber Service Laboratories Company. 332,624; Feb. 18; Serial No. 369,780; published Dec. 3, 1935.
Compound used as a vulcanization accelerator in the curing of rubber articles. Rubber Service Laboratories Company. 332,623; Feb. 18; Serial No. 369,779; published Dec. 3, 1935.
Corn remedies. E. C. Lytle. 106,484; renewed Feb. 4, 1936.
Disinfectants. Norddeutsche Schwelg. Telephone-Desinfektions-Gesellschaft. 113,678; renewed June 9, 1934.
Disinfectants. A. Pescolano. 332,610; Feb. 18; Serial No. 362,049; published Nov. 26, 1935.
Diuretic and antacid tablets. McNeil Laboratories, Inc. 332,462; Feb. 18; Serial No. 369,976; published Dec. 3, 1935.
Emulsion of mineral oil with agar agar and Irish moss. Morton Manufacturing Corporation. 332,555; Feb. 18; Serial No. 368,455; published Nov. 26, 1935.
Emulsion of mineral oil with agar agar and Irish moss and cascara. Morton Manufacturing Corporation. 332,556; Feb. 18; Serial No. 368,454; published Nov. 26, 1935.
Hair color restorer. Monroe Chemical Co. 332,662; Feb. 18; Serial No. 344,196; published Feb. 12, 1935.
Hair waving solutions or preparations. Perm Manufacturing Company. 332,521; Feb. 18; Serial No. 368,487; published Nov. 26, 1935.
Insecticide. Vestal Chemical Company. 332,478; Feb. 18; Serial No. 369,661; published Dec. 3, 1935.
Insecticide and fumigant. Vestal Chemical Company. 332,481; Feb. 19; Serial No. 369,654; published Dec. 3, 1935.
Liniment preparation, Liquid. J. V. Driscoll. 332,557; Feb. 18; Serial No. 368,452; published Nov. 26, 1935.
Medicinal preparation. Gold Medal Fraction Oil Corp. 332,619; Feb. 18; Serial No. 368,220; published Nov. 26, 1935.
Medicinal preparations for veterinary use. Kaylene, Inc. 332,653-4; Feb. 18; Serial Nos. 369,665-6; published Dec. 3, 1935.
Medicinal syrup. McNeil Laboratories, Inc. 332,495; Feb. 18; Serial No. 367,932; published Nov. 26, 1935.
Medicine, Headache. H. Laken. 232,524; Feb. 18; Serial No. 365,702; published Nov. 26, 1935.
Medicine in the form of capsules. D. E. Haller. 197,740; renewed Dec. 28, 1935.
Perfume and face powder. Bourjois, Inc. 332,531; Feb. 18; Serial No. 359,907; published Dec. 3, 1935.
Photographic preparations. Fink-Roselieve Co. 332,560; Feb. 18; Serial No. 369,510; published Nov. 26, 1935.
Photographic preparations and chemicals. Fink-Roselieve Co. 332,559; Feb. 18; Serial No. 369,518; published Nov. 26, 1935.
Preparation for the treatment of diseases of the urinary system. Publicite Franco-Americaine. 332,542; Feb. 18; Serial No. 369,543; published Dec. 3, 1935.
Preparation for treatment of syphilis. Nordmark Chemical Works, Inc. 332,548; Feb. 18; Serial No. 369,625; published Dec. 3, 1935.
Preparation to be used as a laxative. N. Schulman. 332,618; Feb. 18; Serial No. 362,600; published Nov. 26, 1935.
Salts, Mineral. L. D. Pack. 332,537; Feb. 18; Serial No. 369,501; published Nov. 26, 1935.
Sterilizers, disinfectants, and purifiers. General Purification Co. 106,382; renewed Feb. 1, 1936.
Tablets used to relieve weariness, mental fatigue, etc. L. J. Fay. 332,594; Feb. 18; Serial No. 368,747; published Dec. 3, 1935.
Tonic, female tonic, rheumatism tonic, etc. E. B. Becker. 332,661; Feb. 18; Serial No. 366,500; published Nov. 26, 1935.
Vaginal inserts for feminine hygiene. American Pantosept Company. 332,476; Feb. 18; Serial No. 369,642; published Dec. 3, 1935.
Vaginal inserts for feminine hygiene. F. C. Toombs. 332,486; Feb. 18; Serial No. 369,668; published Dec. 3, 1935.
Vitaminic preparations. E. R. Squibb & Sons. 332,552; Feb. 18; Serial No. 369,312; published Nov. 26, 1935.

CLASS 8

Cigarette paper. P. Piette. 332,513; Feb. 18; Serial No. 367,037; published Dec. 10, 1935.
Cigarette-paper. Société Anonyme d'Exploitation des Papeteries L. Lacroix Fils. 111,027; renewed June 20, 1936.

CLASS 9

Matches. Naamlooze Vennootschap Vereenigde Nederlandsche Lucifersfabrieken. 110,155; renewed May 16, 1936.

CLASS 12

Asphalt composition roofing. Ruberoid Co. 332,475; Feb. 18; Serial No. 370,570; published Dec. 10, 1935.
Bars, Reinforcing. Youngstown Sheet and Tube Company. 332,644; Feb. 18; Serial No. 370,404; published Dec. 10, 1935.
Pipe of clay, Sewer. Imperial Clay Products Corporation. 332,657; Feb. 18; Serial No. 368,553; published Dec. 3, 1935.
Plywood with metal faces. Algoma Plywood & Veneer Company. 332,470; Feb. 18; Serial No. 370,648; published Dec. 10, 1935.
Road patching and paving material. E. G. Kernan. 332,621; Feb. 18; Serial No. 369,740; published Dec. 3, 1935.
Roofing, Asphalt composition. Ruberoid Co. 332,571–3; Feb. 18; Serial Nos. 370,578–80; published Dec. 10, 1935.
Roofing, Asphalt composition. Ruberoid Co. 332,574; Feb. 18; Serial No. 370,573; published Dec. 10, 1935.
Roofing, Asphalt composition. Ruberoid Co. 372,575–6; Feb. 18; Serial No. 370,576–7; published Dec. 10, 1935.
Sealing compound, Plastic. Johns-Manville Corporation. 332,664; Feb. 18; Serial No. 351,067; published Dec. 3, 1935.
Shingles, Asbestos siding. Lehon Company. 332,505; Feb. 18; Serial No. 370,606; published Dec. 10, 1935.

CLASS 13

Coffee makers. Silex Company. 332,615; Feb. 18; Serial No. 363,123; published Dec. 10, 1935.

CLASS 14

Castings in the rough, Alloy. Westinghouse Electric & Manufacturing Company. 332,613; Feb. 18; Serial No. 363,606; published Dec. 10, 1935.
Metals, metal alloys, and metal products in bars, ingots, etc. Federated Metals Corporation. 332,497; Feb. 18; Serial No. 371,025; published Dec. 10, 1935.

CLASS 15

Kerosene. Gulf Refining Company. 107,913; renewed Jan. 4, 1936.
Paraffin-wax, Pure refined. Gulf Refining Company. 107,914; renewed Jan. 4, 1936.

CLASS 16

Filler, Crack and crevice. Marietta Paint & Color Co. 332,467; Feb. 18; Serial No. 370,665; published Dec. 10, 1935.
Oils for floors and furniture, Cleaning and polishing. Hall Hardware Company. 332,489; Feb. 18; Serial No. 370,506; published Dec. 10, 1935.

CLASS 17

Cigars. R. Cordova and Company. 332,532; Feb. 18; Serial No. 369,943; published Dec. 10, 1935.
Cigars. Webster Eisenlohr, Inc. 332,490; Feb. 18; Serial No. 370,979; published Dec. 10, 1935.
Cigars. Webster Eisenlohr, Inc. 332,496–500; Feb. 18; Serial No. 370,976–8; published Dec. 10, 1935.
Tobacco Leaf. Hijos de Diego Montero, S. en C. 332,608; Feb. 18; Serial No. 368,142; published Dec. 10, 1935.

CLASS 19

Trailers. Auto-Cruiser Mfg. and Sales Co. Inc. 332,493; Feb. 18; Serial No. 370,494; published Dec. 10, 1935.
Windshield wiper blades, Vehicle. Sleetex Company. 332,598; Feb. 18; Serial No. 354,579; published Dec. 10, 1935.

CLASS 21

Electric lamps and parts thereof, spark-plugs, lamp-adapters, etc. A. W. Rosen & Co. 107,529; renewed Dec. 7, 1935.
Electrical conductors, Assembled. United States Rubber Products, Inc. 332,522; Feb. 18; Serial No. 370,393; published Dec. 3, 1935.
Electrical lamps, lanterns, and headlights. R. E. Dietz Company. 109,156; renewed Mar. 21, 1936.

CLASS 22

Game. Milton Bradley Company. 332,579; Feb. 18; Serial No. 371,199; published Dec. 10, 1935.
Game, Drawing. Aircraft Specialties, Inc. 332,483; Feb. 18; Serial No. 370,786; published Dec. 10, 1935.
Golf clubs and golf balls. General Sports Inc. 332,549; Feb. 18; Serial No. 369,260; published Dec. 10, 1935.
Golf clubs and golf balls. General Sports Inc. 332,550; Feb. 18; Serial No. 369,262; published Dec. 10, 1935.
Toy aeroplanes, parts, propellers, and accessories therefor. L. Barnett. 332,650; Feb. 18; Serial No. 367,557; published Dec. 10, 1935.

CLASS 23

Ax, brush-knife, and hook tool, Combination. M. B. Jackson, Jr. 332,614; Feb. 18; Serial No. 363,171; published Dec. 3, 1935.
Cotton machinery such as gummers and fillers, etc. Forth Worth Steel & Machinery Co. 332,590; Feb. 18; Serial No. 353,269; published Aug. 14, 1934.
Gear shaving and burnishing tools. National Tool Company. 332,626; Feb. 18; Serial No. 364,350; published Dec. 3, 1935.
Pistons, Cast iron and aluminum alloy. Motor Products, Incorporated. 332,636; Feb. 18.
Razor blades. Symphony Razor Blade Company. 332,588; Feb. 18; Serial No. 368,389; published Dec. 3, 1935.
Scissors and shears. Acme Shear Company. 332,681; Feb. 18.
Scrapers, Tractor drawn earth. Ensco Derrick & Equipment Company. 332,684; Feb. 18.
Separators, Magnetic. S. G. Frantz. 332,582; Feb. 18; Serial No. 366,126; published Dec. 3, 1935.

CLASS 24

Pressing machines. American Laundry Machinery Company. 332,532; Feb. 18; Serial No. 370,185; published Dec. 10, 1935.

CLASS 26

Article of commerce comprising a holder, a composite photograph in the holder, and a movable screen in front of the photograph. Grant Vending Corp. 332,641; Feb. 18; Serial No. 361,315; published Dec. 3, 1935.
Film, Sensitized photographic. Agfa Ansco Corporation. 332,493; Feb. 18; Serial No. 370,448; published Dec. 3, 1935.
Measuring and scientific appliances. Henry Disston & Sons, Incorporated. 108,691; renewed Feb. 22, 1936.
Temperature indicators, electric meter testing apparatus, etc. Edwin L. Wiegand Company. 332,587; Feb. 18; Serial No. 368,467; published Dec. 3, 1935.

CLASS 27

Watch cases, Bracelet. Benrus Manufacturing Company. 332,674; Feb. 18.

CLASS 28

Connector bands and similarly ornamented top and bottom sections for flat fifty cigarette cartons. Bernard Rice's Sons Incorporated. 332,484; Feb. 18; Serial No. 369,666; published Dec. 3, 1935.
Jewelry, Articles of. Forstner Chain Corporation. 332,656; Feb. 18; Serial No. 368,884; published Dec. 3, 1935.

CLASS 31

Filter cloths. J. de la Torre e Hijo. 332,469; Feb. 18; Serial No. 370,632; published Dec. 10, 1935.

CLASS 34

Boilers, radiators, furnaces, etc. Crane Co. 332,601; Feb. 18; Serial No. 369,672; published Dec. 10, 1935.
Ventilators, Roof. Swartwout Company. 332,507; Feb. 18.

CLASS 25

Belting, Leather. Chicago Belting Co. 332,680; Feb. 18.

CLASS 26

Cornets, trumpets, altos, etc. Tonk Bros. Co. 332,494; Feb. 18; Serial No. 367,418; published Dec. 3, 1935.
Musical instruments and strings and parts thereof, Fretted. Gibson, Inc. 332,672; Feb. 18.
Phonograph needles. American Record Corporation. 332,645; Feb. 18; Serial No. 357,214; published Dec. 3, 1935.
Pianos. Winter & Company. 332,518; Feb. 18; Serial No. 370,401; published Dec. 3, 1935.

CLASS 37

Clips for stationery purposes, Wire. Goldsmith Bros. 332,465; Feb. 18; Serial No. 370,707; published Dec. 10, 1935.
Crayons, Chalk writing. E. W. A. Rowles. 107,013; renewed Nov. 9, 1935.
Hectographs. J. Bros. 332,625; Feb. 18; Serial No. 364,913; published Dec. 10, 1935.
Paper and envelopes. C. J. McKenzie. 110,100; renewed May 2, 1936.
Paper and kraft paper, Wrapping. Southern Kraft Corporation. 332,502; Feb. 18; Serial No. 370,899; published Dec. 10, 1935.
Paper, crayons, and rubber erasers, Drawing. J. L. Hammett Company. 332,600; Feb. 18; Serial No. 354,989; published Dec. 10, 1935.
Paper, Poster. West Virginia Pulp & Paper Company. 332,520; Feb. 18; Serial No. 366,845; published Dec. 10, 1935.
Paper, Toilet. Peerless Mfg. Co. 110,333; renewed May 16, 1936.
Paper, Waxed. Marcalus Manufacturing Co. 332,642; Feb. 18; Serial No. 370,537; published Dec. 10, 1935.
Paper, Wrapping. Nekoosa-Edwards Paper Company. 332,653; Feb. 18; Serial No. 367,444; published Dec. 10, 1935.
Pen nibs, Fountain. Parker Pen Company. 332,612; Feb. 18; Serial No. 362,763; published Dec. 10, 1935.
Pencils, Lead. Goldsmith Bros. 332,485; Feb. 18; Serial No. 370,768; published Dec. 10, 1935.
Strips interleaved with carbon strips, Continuous writing. Autographic Register Company. 332,670; Feb. 18; Serial No. 370,378; published Dec. 10, 1935.
Wrappers for Easter eggs, Decorative. Pass Dye Company. 332,617; Feb. 18; Serial No. 362,839; published Nov. 12, 1935.

CLASS 38

Magazine. Illinois Athletic Club. 332,566; Feb. 18; Serial No. 370,617; published Dec. 10, 1935.
Newspaper sections. Shockey-Long. 332,622; Feb. 18; Serial No. 369,747; published Dec. 3, 1935.
Newspapers, Daily. Daily Review Corporation. 332,563; Feb. 18; Serial No. 369,007; published Dec. 10, 1935.
Newspapers, Daily. Nassau Daily Star Corporation. 332,561; Feb. 18; Serial No. 369,028; published Dec. 3, 1935.
Periodical. Advertising Publications, Inc. 332,649; Feb. 18; Serial No. 367,226; published Dec. 10, 1935.
Periodical. Housing Publications, Inc. 332,567; Feb. 18; Serial No. 370,610; published Dec. 10, 1935.
Periodical. Needlecraft Publishing Company. 332,547; Feb. 18; Serial No. 369,622; published Dec. 10, 1935.
Periodical. Thomas Publishing Co. 332,611; Feb. 18; Serial No. 368,012; published Dec. 10, 1935.
Periodicals. Davis Press, Inc. 332,506; Feb. 18; Serial No. 370,871; published Dec. 10, 1935.
Publications. J. F. Rider. 332,619; Feb. 18; Serial No. 362,530; published Dec. 10, 1935.

CLASS 39

Apparel, Women's. Aronson-Caplin Company. 332,583; Feb. 18; Serial No. 368,650; published Dec. 10, 1935.
Blouses, dresses, and skirts, Women's and misses'. S. Wolfson, Inc. 332,540; Feb. 18; Serial No. 369,555; published Dec. 3, 1935.
Boots and shoes. Dunn & McCarthy. 110,488; renewed May 30, 1936.
Boots and shoes. Selby Shoe Company. 332,648; Feb. 18; Serial No. 360,247; published Dec. 10, 1935.
Coats. Ohio Dress and Coat Company. 332,464; Feb. 18; Serial No. 370,721; published Dec. 10, 1935.
Coats, Girls' and juniors. Wear Fine Cloak Co. Inc. 332,504; Feb. 18; Serial No. 369,790; published Dec. 3, 1935.
Coats, Men's. Goodstein Bros. & Co. 332,543; Feb. 18; Serial No. 369,570; published Nov. 26, 1935.
Coats, overcoats, and suits, Top. H. Freeman & Son, Inc. 332,660; Feb. 18; Serial No. 356,407; published Dec. 10, 1935.
Coats, Rain. C. B. Shane Company. 108,181; renewed Jan. 18, 1936.
Coats, shirts, jackets, etc. Rough Wear Clothing Co. 332,578; Feb. 18; Serial No. 371,231; published Dec. 10, 1935.
Coats, vests, trousers, etc. Hart, Schaffner & Marx. 111,093–4; renewed June 27, 1936.
Coats, Women's and misses' sport. Miller & Mann, Inc. 332,590; Feb. 18; Serial No. 368,267; published Dec. 3, 1935.
Dresses, blouses, and waists, Ladies'. Lerner Blouse Co. 332,501; Feb. 18; Serial No. 370,254; published Dec. 3, 1935.
Dresses, boys' suits, play-togs, etc., Children's. Manuetta Manufacturing Co. 332,591; Feb. 18; Serial No. 371,167; published Dec. 10, 1935.
Dresses, Children's. Abe Kahn-Heilbrich Co. 332,593; Feb. 18; Serial No. 368,762; published Nov. 26, 1935.
Dresses, rompers, and play-suits, Children's. Rosman Bros., Inc. 332,580; Feb. 18; Serial No. 371,115; published Dec. 10, 1935.
Frocks, dresses, and underwear, Wash. M. Siegel. 332,678; Feb. 18.
Gowns, frocks, and dresses. Intersine Dress Corporation. 332,511; Feb. 18; Serial No. 369,192; published Dec. 3, 1935.
Hats, Ladies'. S. Scheuer. 332,666; Feb. 18; Serial No. 370,275; published Dec. 10, 1935.
Helmets, knitted sweaters, knitted dresses, Women's knitted. M. C. Epstein. 332,637; Feb. 18; Serial No. 370,045; published Dec. 3, 1935.
Hosiery. Chas. Chipman's Sons Co., Inc. 332,491; Feb. 18; Serial No. 370,495; published Dec. 3, 1935.
Hosiery. Florsheim Shoe Company. 332,639; Feb. 18; Serial No. 370,547; published Nov. 26, 1935.
Hosiery. Interwoven Stocking Company. 332,526; Feb. 18; Serial No. 369,866; published Dec. 3, 1935.
Hosiery. Interwoven Stocking Company. 332,604; Feb. 18; Serial No. 369,739; published Dec. 3, 1935.
Hosiery. Marshall Field & Company. 332,596; Feb. 18; Serial No. 363,328; published Nov. 26, 1935.
Hosiery. Mock, Judson, Voehringer Company of New York, Inc. 332,606; Feb. 18; Serial No. 369,726; published Dec. 3, 1935.
Hosiery. Plymouth Hosiery Mills. 332,647; Feb. 18; Serial No. 338,651; published Nov. 26, 1935.
Hosiery. Schuylkill Valley Mills, Inc. 332,596; Feb. 18; Serial No. 353,456; published Dec. 10, 1935.
Hosiery, shirts, pajamas, etc. James McCreery & Company. 332,667; Feb. 18; Serial No. 370,265; published Dec. 3, 1935.
Neckties. W. Mayer. 332,651; Feb. 18; Serial No. 367,207; published Dec. 10, 1935.
Overcoats, Men's and boys'. Levy Bros. & Adler Rochester. 332,468; Feb. 18; Serial No. 370,715; published Dec. 10, 1935.
Pajamas and sleeping garments. Capper & Capper, Ltd. 332,502; Feb. 18; Serial No. 369,655; published Nov. 26, 1935.
Pants, Baby. I. B. Kleinert Rubber Company. 332,516; Feb. 18; Serial No. 369,813; published Nov. 26, 1935.
Shirts, blouses, pajamas, etc. H. D. Bob Company. 332,636; Feb. 18; Serial No. 370,090; published Dec. 3, 1935.
Shirts, Outer. Manhattan Shirt Company. 332,606; Feb. 18; Serial No. 368,233; published Dec. 10, 1935.
Shirts, Outer. Manhattan Shirt Company. 332,607; Feb. 18; Serial No. 368,232; published Dec. 3, 1935.
Shoes. Boyd-Welsh, Inc. 332,551; Feb. 18; Serial No. 369,295; published Dec. 10, 1935.
Shoes. L. Feder. 332,616; Feb. 18; Serial No. 362,895; published Dec. 10, 1935.
Shoes, Leather. Atlanta Hub Co. 332,650; Feb. 18; Serial No. 368,794; published Dec. 10, 1935.
Shoes, Leather. Brown Shoe Co. Inc. 110,168; renewed May 9, 1936.
Shoes, Men's. Sears, Roebuck and Co. 332,621; Feb. 18; Serial No. 368,967; published Dec. 10, 1935.
Slips. H. Goldberg Underwear, Inc. 332,472; Feb. 18; Serial No. 369,651; published Dec. 3, 1935.
Slips, gowns, pajamas, etc., Ladies'. Brown-Rich Corp. 332,679; Feb. 18.
Soles and heels, Leather. Saturnia Shoe Products Co. 332,515; Feb. 18; Serial No. 369,880; published Dec. 10, 1935.
Soles, Rubber. Quabaug Rubber Company. 332,640; Feb. 18; Serial No. 370,044; published Dec. 10, 1935.
Suits, coats, vests, etc. Merton Company. 332,562; Feb. 18; Serial No. 369,136; published Nov. 6, 1935.
Suits, ski suits, mackinaws, etc., Snow. Royal Pants Company. 332,509; Feb. 18; Serial No. 369,246; published Nov. 26, 1935.
Suits, topcoats, and overcoats, Men's. Keller, Heumann & Thompson Company. 332,634; Feb. 18; Serial No. 370,107; published Dec. 3, 1935.
Sweaters. Alps Sportswear Mfg. Co. 332,591; Feb. 18; Serial No. 365,765; published Nov. 26, 1935.
Trousers and boys' suits and trousers, Men's. J. & M. & M. Kaplan, Inc. 332,527; Feb. 18; Serial No. 369,857; published Dec. 3, 1935.
Undergarments, Ladies'. Alma Undergarment Company. 332,512; Feb. 18; Serial No. 369,176; published Dec. 10, 1935.

CLASS 40

Combs, thimbles, shoe horns, etc. Ewal & Company. 332,536; Feb. 18; Serial No. 367,355; published Nov. 19, 1935.
Reinforcing-strips for part of garments where buttons are sewed and buttonholes made. Rose Patch & Label Co. 110,221; renewed May 9, 1936.

Snap-buttons. Waldes & Co. 111,089; renewed June 30, 1936.

CLASS 42

Cotton and mixed piece goods and draperies. Manville Company. 110,705; renewed June 18, 1936.
Cotton piece goods. W. Lind. 332,545; Feb. 18; Serial No. 369,615; published Dec. 3, 1935.
Cotton piece goods. W. Lind. 332,546; Feb. 18; Serial No. 369,617; published Dec. 3, 1935.
Cotton piece goods. R. Vogel. 332,496; Feb. 18; Serial No. 367,745; published Dec. 10, 1935.
Lace piece goods. Cane & Co. 332,630; Feb. 18; Serial No. 370,039; published Dec. 10, 1935.
Napkins. Manville Company. 110,756; renewed June 18, 1936.
Pile fabrics. Collins & Aikman Corporation. 332,533; Feb. 18; Serial No. 369,954; published Dec. 10, 1935.
Pile fabrics. Collins & Aikman Corporation. 332,534; Feb. 18; Serial No. 369,955; published Dec. 10, 1935.
Silk piece goods and mixed silk and cotton piece goods. Belding Bros. & Co. 109,510–11; renewed Apr. 11, 1936.
Woolen piece goods. Forstmann Woolen Co. 332,535; Feb. 18; Serial No. 369,882; published Dec. 3, 1935.
Woolen piece goods. Schneider & Armitage. 332,620; Feb. 18; Serial No. 369,745; published Dec. 3, 1935.

CLASS 43

Threads, Textile. Belding Bros. & Co. 109,506–7; renewed Apr. 11, 1936.
Yarns. American Silk Spinning Co. 332,654; Feb. 18; Serial No. 367,431; published Dec. 3, 1935.

CLASS 44

Dental floss. Belding Bros. & Co. 109,815; renewed Apr. 18, 1936.
Dental rubber. Atlantic Rubber Manufacturing Corporation. 332,665; Feb. 18; Serial No. 370,289; published Dec. 10, 1935.
Pessary inserting appliances and surgical diaphragm pessaries. M. Silver. 332,530; Feb. 18; Serial No. 369,934; published Dec. 10, 1935.

CLASS 45

Beverage, Malticos. Luque & Fuertes. 332,585; Feb. 18; Serial No. 368,503; published Dec. 10, 1935.

CLASS 46

Bread, Dry Swedish rye. Kommanditbolaget Spis. & Knäckebrödsfabriken Kronan, Barthel Kock. 332,627; Feb. 18; Serial No. 363,759; published Dec. 10, 1935.
Candies. Idaho Candy Company. 109,469; renewed Apr. 11, 1936.
Canned and fresh citrus fruits. W. C. Daniels. 332,675; Feb. 18.
Canned eels. Asia Co. 332,506; Feb. 18; Serial No. 367,058; published Dec. 10, 1935.
Canned fish. North American Mercantile Company. 332,554; Feb. 18; Serial No. 369,413; published Dec. 10, 1935.
Canned fruits and vegetables. Owen Canning Company. 332,541; Feb. 18; Serial No. 370,268; published Dec. 10, 1935.
Canned fruits and vegetables, canned fish, etc. A. Piccini. 332,517; Feb. 18; Serial No. 370,430; published Dec. 10, 1935.
Canned fruits, canned vegetables. G. R. Kinsley. 332,477; Feb. 18; Serial No. 370,587; published Dec. 10, 1935.
Canned vegetables. California Pea Products, Inc. 332,677; Feb. 18.
Chocolate. Lamont, Corliss & Company. 332,629–30; Feb. 18; Serial Nos. 361,709–10; published Apr. 16, 1935.
Chocolate, Prepared edible. Lamont, Corliss & Company. 332,632; Feb. 18; Serial No. 361,711; published Apr. 16, 1935.
Cocoa, Prepared. B. Heller & Company. 332,635; Feb. 18; Serial No. 370,099; published Dec. 10, 1935.
Coffee. Stanley W. Ferguson, Inc. 332,490; Feb. 18; Serial No. 370,798; published Dec. 10, 1935.
Extract for food purposes, Flavoring. R. E. Sellers. 107,640; renewed Dec. 14, 1935.
Extracts, Food-flavoring. Van Duser Extract Company. 109,884; renewed Apr. 18, 1936.
Extracts for foods, Flavoring. Virginia Dare Extract Company. 332,609; Feb. 18; Serial No. 368,117; published Dec. 10, 1935.
Flavoring composition and dressing to be added to ground meats. Griffith Laboratories, Inc. 332,683; Feb. 18.
Ice-cream and water-ices. Fussell Ice Cream Co. 107,848; renewed Dec. 22, 1935.
Macaroni, noodles, and spaghetti. Robilio & Cuneo. 332,539; Feb. 18; Serial No. 370,362; published Dec. 10, 1935.
Mayonnaise. J. H. Filbert, Inc. 332,468; Feb. 18; Serial No. 370,656; published Dec. 10, 1935.
Pork and beans, canned vegetables, fruit preserves, etc. Stevenson-Beake Co. 332,663; Feb. 18; Serial No. 318,258; published Dec. 10, 1935.
Powder composed of food ingredients to be added to gin and other drinks, Prepared. L. A. Raffetto. 332,544; Feb. 18; Serial No. 369,585; published Dec. 10, 1935.
Preparation for making ice cream. Roundsman Food Products, Inc. 332,558; Feb. 18; Serial No. 369,516; published Dec. 10, 1935.
Salad dressing, sandwich spread, eggs, and oleomargarine. Kadane-Brown, Inc. 332,628; Feb. 18; Serial No. 367,344; published Dec. 10, 1935.
Salad dressing, sandwich spread, mayonnaise, etc. David Pender Grocery Company. 332,652; Feb. 18; Serial No. 368,949; published Dec. 10, 1935.
Salt, Table. Union Salt Company. 332,640; Feb. 18; Serial No. 357,477; published Dec. 10, 1935.
Spaghetti, macaroni, and noodles. San Diego Macaroni Mfg. Co. 332,606; Feb. 18; Serial No. 368,239; published Dec. 10, 1935.
Spaghetti, macaroni, noodles, etc. Kurtz Brothers Corporation. 332,597; Feb. 18; Serial No. 354,251; published Dec. 10, 1935.
Sugar preparations and powdered milk for infants. "Alete" Pharmaseutische Produkte G. m. b. H. 332,523; Feb. 18; Serial No. 366,797; published Dec. 10, 1935.
Vegetables, Fresh. Francisca Packing Co. 332,569; Feb. 18; Serial No. 370,606; published Dec. 10, 1935.
Vegetables, Fresh. A. S. Gargiulo. 332,682; Feb. 18.
Vegetables, Fresh. M. A. Gottfried. 332,503; Feb. 18; Serial No. 370,875; published Dec. 10, 1935.
Vegetables, Fresh. Hillsboro-Queen Anne Cooperative Corp. 332,668; Feb. 18; Serial No. 370,182; published Dec. 10, 1935.
Vegetables, Fresh. W & S Packing Company. 332,564–5; Feb. 18; Serial Nos. 370,640–1; published Dec. 10, 1935.

CLASS 47

Wines. G. Guerrieri. 332,488; Feb. 18; Serial No. 370,550; published Dec. 17, 1935.
Wines. La Salle Products Inc. 332,668; Feb. 18; Serial No. 370,186; published Dec. 10, 1935.

CLASS 48

Beer, ale, and porter. Ruhsam & Horrmann Brewing Co. 332,473–4; Feb. 18; Serial Nos. 370,431–2; published Dec. 10, 1935.
Soybean grits or flour for use in the manufacture of malted, fermented beverages. Shellabarger Grain Products Company. 332,570; Feb. 18; Serial No. 370,588; published Dec. 10, 1935.

CLASS 49

Brandies. G. Guerrieri. 332,479; Feb. 18; Serial No. 370,549; published Dec. 10, 1935.
Brandies. G. Guerrieri. 332,568; Feb. 18; Serial No. 370,609; published Dec. 10, 1935.
Cognac. Societe des Proprietaires Vinicoles de Cognac, J. G. Monnet & Cie., Societe Anonyme. 332,487; Feb. 18; Serial No. 370,531; published Dec. 10, 1935.
Gin. Hearn Department Stores, Inc. 332,514; Feb. 18; Serial No. 371,030; published Dec. 10, 1935.
Gin. San Angelo Wine & Spirits Corp. 332,671; Feb. 18.
Gin, whiskey, and brandy. Capitol Wine & Spirits Corporation. 332,577; Feb. 18; Serial No. 371,298; published Dec. 10, 1935.
Whiskey. Savoy Distilled Products Corporation. 332,519; Feb. 18; Serial No. 366,920; published Dec. 10, 1935.
Whiskey, brandy, gin, etc. Joseph S. Finch & Company. 332,676; Feb. 18.
Whiskey, gin, rum, etc. T. J. Pendergast Wholesale Liquor Co. 332,657; Feb. 18.

CLASS 50

Artificial silk. Belding Bros. & Co. 109,632; renewed Apr. 11, 1936.
Window display blocks. Paramount Sales, Inc. 332,589; Feb. 18; Serial No. 368,306; published Dec. 10, 1935.

LIST OF LABELS

Avalon. For Cigarettes. Brown & Williamson Tobacco Corporation. 47,047; Feb. 18.
Bay Point Brand. For Oysters. Bay Canning Co. 47,036; Feb. 18.
Black Band Charcoal. For Charcoal. New York Charcoal Co. 47,060; Feb. 18.
Butter Carton Design No. 819. For Butter. Bloomer Bros. Company. 47,046; Feb. 18.
Butter Carton Design No. 820. For Butter. Bloomer Bros. Company. 47,039; Feb. 18.
Butter Carton Design No. 821. For Butter. Bloomer Bros. Company. 47,038; Feb. 18.
Butter Carton Design No. 832. For Butter. Bloomer Bros. Company. 47,044; Feb. 18.
Butter Carton Design No. 833. For Butter. Bloomer Bros. Company. 47,040; Feb. 18.

Butter Carton Design No. 834. For Butter. Bloomer Bros. Company. 47,041; Feb. 18.
Butter Carton Design No. 836. For Butter. Bloomer Bros. Company. 47,045; Feb. 18.
Butter Carton Design No. 837. For Butter. Bloomer Bros. Company. 47,043; Feb. 18.
Coco-Wheats. For Cocoa Coated Cereal. Little Crow Milling Company. 47,057; Feb. 18.
Compression Rings. For Compression Rings for Pistons. Perfect Circle Company. 47,064; Feb. 18.
Crystal Solitaire #57. For a Game. S. A. Derwik. 47,061; Feb. 18.
Crystal Solitaire #57. For a Game. S. A. Derwik. 47,048; Feb. 18.
Crystal Solitaire, Midget. For a Game. S. A. Derwik. 47,050; Feb. 18.
Dixi-Cola. For a Beverage. J. L. Teaver. 47,067; Feb. 18.
For Your Health's Sake—Health Wheat. For Breakfast Food. Health Wheat, Inc. 47,055; Feb. 18.
Fritatos. For Potato Chips. The Frito Co. 47,054; Feb. 18.
Glas Glos. For a Preparation for Cleaning and Polishing Windows, Mirrors, Windshields, Etc. F. Beedle. 47,037; Feb. 18.
Green Band Genuine Koppers Seaboard Coke. For Coke. New York Charcoal Co. 47,059; Feb. 18.
Hi-Hat Ties. For Ties. Kingly Neckwear Company. 47,056; Feb. 18.
Kingkool. For Motor Oil. Fidelity Oil Company. 47,052; Feb. 18.
Lady Lock Hair Tonic. For Hair Tonic. Master Chemical Company. 47,058; Feb. 18.
Monterey Palm Springs. For Furniture. Barker Bros., Incorporated. 47,054; Feb. 18.
Mytee White Shoe Polish. For White Shoe Polish. Prudon Chemical Company. 47,066; Feb. 18.
No. 2 Pint Linerless Design No. 537. For Ice Cream. Bloomer Bros. Company. 47,042; Feb. 18.
Oil Rings. For Oil Rings for Pistons. The Perfect Circle Company. 47,065; Feb. 18.
Orange Band Chestnut Coal. For Chestnut Coal. New York Charcoal Co. 47,061; Feb. 18.
Piston Ring Set. For Piston Ring Sets. Perfect Circle Company. 47,063; Feb. 18.
Red Band Kindling Wood. For Kindling Wood. New York Charcoal Co. 47,041; Feb. 18.
Red Cross Toilet Tissue. For Toilet Tissue. A. P. W. Paper Company. 47,035; Feb. 18.
Territorial Design No. 228. For Butter. Butler Paper Products Company. 47,049; Feb. 18.
Triple Dry Lithiated. For a Beverage. J. L. Teaver. 47,068; Feb. 18.
Vanity Fair. For Furniture. Barker Bros., Incorporated. 47,035; Feb. 18.
Waldorf Ale. For Ale. Forest City Brewery Inc. 47,053; Feb. 18.

LIST OF PRINTS

At First Sneeze Take Lane's Cold Tablets. For Cold Tablets. Kemp and Lane, Inc. 15,590; Feb. 18.
Dr. East's Ointment. For an Ointment. E. H. East. 15,573; Feb. 18.
Here's how Bread Enters the Spirit of Merry-Making! For Bread. General Mills, Inc. 15,575; Feb. 18.
It's Bread at its Best Because it's Tested. For Bread. Quality Bakers of America, Inc. 15,592; Feb. 18.
Its Unique—Because its Different. For a Scalp Tonic. Fertile Company. 15,574; Feb. 18.
Madam: Complete Sets of This Exquisite Silverware—Now Given Free. For Flour. General Mills, Inc. 15,577; Feb. 18.
Missing Moments (featuring missing baking powder). For Coffee. Hills Bros. 15,588; Feb. 18.
Missing Moments (featuring missing cartridges). For Coffee. Hills Bros. 15,586; Feb. 18.
Missing Moments (featuring missing cook). For Coffee. Hills Bros. 15,578; Feb. 18.
Missing Moments (featuring missing driver's license). For Coffee. Hills Bros. 15,589; Feb. 18.
Missing Moments (featuring missing gasoline). For Coffee. Hills Bros. 15,581; Feb. 18.
Missing Moments (featuring missing key). For Coffee. Hills Bros. 15,582; Feb. 18.
Missing Moments (featuring missing lipstick). For Coffee. Hills Bros. 15,587; Feb. 18.
Missing Moments (featuring missing magician's "props"). For Coffee. Hills Bros. 15,579; Feb. 18.
Missing Moments (featuring missing shirt studs). For Coffee. Hills Bros. 15,583; Feb. 18.
Missing Moments (featuring missing theater tickets). For Coffee. Hills Bros. 15,584; Feb. 18.
Missing Moments (featuring missing trumps). For Coffee. Hills Bros. 15,580; Feb. 18.
Missing Moments (featuring missing wallet). For Coffee. Hills Bros. 15,585; Feb. 18.
Stop that Cough with Kemp's Balsam. For a Cough Balsam. Kemp and Lane, Inc. 15,591; Feb. 18.
To a Thoughtful Woman Who Wants a Slender Silhouette. For Bread. General Mills, Inc. 15,576; Feb. 18.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF FEBRUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aceves, Julius G. (See Amy, E. V., and Aceves.)
Amy, Aceves, & King, Inc. (See Amy, E. V., and Aceves, assignor.)
Amy, Ernest V., and J. G. Aceves, assignors to Amy, Aceves & King, Inc., New York, N. Y. Duplex radio aerial system. 19,854; Feb. 18.
Bridgham, Arthur L., Boston, Mass. Bell ringer. 19,855; Feb. 18.
Chapman, Ralph W., Old Town, Maine, assignor, by mesne assignments, to The Old Town Company. Method of and machine for making pulp articles. 19,856; Feb. 18.
Farnham, Paul O., Scontea, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Carrier wave receiver. 19,857; Feb. 18.
Fehr, John R., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 19,858; Feb. 18.
G. B. G. Corporation. (See Graf, Elmer J., assignor.)
General Motors Corporation. (See Fehr, John R., assignor.)
Goss Printing Press Company, The. (See Walser, Joseph J., assignor.)
Graf, Elmer J., Roselle Park, N. J., assignor to G. B. G. Corporation, Newark, N. J. Illuminated ornamental device. 19,859; Feb. 18.
Heath, Forrest A., Upper Montclair, N. J. Oil burning furnace. 19,860; Feb. 18.
Old Town Company, The. (See Chapman, Ralph W., assignor.)
Radio Corporation of America. (See Farnham, Paul O., assignor.)
Walser, Joseph J., deceased, late of Ann Arbor, Mich., by The Goss Printing Press Company, Chicago, Ill., assignee. Stereotype platemaking machine. 19,861; Feb. 18.

LIST OF PLANT PATENTEES

Elliott, William C., Modesto, Calif. Peach. 166; Feb. 18.
Moore, Chester N., Schenectady, N. Y., assignor to General Electric Company. Regal lily. 16; Feb. 18.

LIST OF DESIGN PATENTEES

Alterson, Louis, New York, N. Y. Buckle. 98,638; Feb. 18.
Anchor Cap & Closure Corporation. (See Smith, James S. B., assignor.)
Anderson, George W., Akron, Ohio. Tire. 98,563; Feb. 18.
Arteraft Optical Co. (See Grom, Henry W., assignor.)
Atkins, Thomas R., Cliftondale, assignor to Colella and Leighton Shoe Company, Lynn, Mass. Shoe. 98,569; Feb. 18.
Atkins, Thomas R., Cliftondale, assignor to Parina Chaves Shoe Company, Lynn, Mass. Shoe. 98,570; Feb. 18.
Atkins, Thomas R., Cliftondale, assignor to Schoinick Shoe Company, Jamaica Plain, Mass. Shoe. 98,639; Feb. 18.
Bannister, Albert R., Sunbury-on-Thames, assignor to British Emulsifiers, Limited, Teddington, England. Emulsifying machine frame or the like. 98,571; Feb. 18.
Barker Bros. Incorporated. (See Pamphrey, Marshall C., assignor.)
Bischof, George, New York, N. Y. Embroidered textile fabric. 98,640; Feb. 18.
Boysen, George D., Philadelphia, Pa. Lace. 98,641; Feb. 18.
Bradbury, William T., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Oil burning cook stove. 98,572; Feb. 18.
Bradbury, William T., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Oil burning cook stove. 98,573; Feb. 18.
Bradbury, William T., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Oil burning cook stove. 98,574; Feb. 18.
Bradbury, William T., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Oil burning cook stove. 98,642; Feb. 18.
British Emulsifiers, Limited. (See Bannister, Albert R., assignor.)
Bryon, Benjamin H., New York, N. Y. Combined handbag, wallet, and cigarette case. 98,643; Feb. 18.
Burge, Floyd O., assignor to South Bend Bait Company, South Bend, Ind. Fishing fly. 98,644; Feb. 18.
Charnaux Patent Corset Company, Limited, The. (See de Pury, Roger R. C., assignor.)
Colella and Leighton Shoe Company. (See Atkins, Thomas R., assignor.)
Cutler, Pauline R., Murray Hill, N. J. Food receptacle unit or similar article. 98,575; Feb. 18.
De Pury, Roger R. C., Earls Court, assignor to The Charnaux Patent Corset Company Limited, London, England. Brassière. 98,576; Feb. 18.
Diecasters, Inc. (See Hutcheson, Ray R., assignor.)
Dognin, Jean, New York, N. Y. Lace. 98,645; Feb. 18.
Durand, René, Paris, France, assignor to Lentheric, Incorporated, New York, N. Y. Bottle. 98,577; Feb. 18.
Edson, Bert, Pawtucket, R. I. Lace. 98,646; Feb. 18.
Emmert, George W., Detroit, Mich. Ash receiver or similar article. 98,578; Feb. 18.
Emmey, Charles, New York, N. Y. Appliqué emblem or similar article for wearing apparel. 98,579; Feb. 18.
Emmey, Charles, New York, N. Y. Appliqué emblem for articles of apparel. 98,580; Feb. 18.
Emmey, Charles, New York, N. Y. Appliqué emblem for articles of apparel. 98,581; Feb. 18.
Parina Chaves Shoe Company. (See Atkins, Thomas R., assignor.)
Pegley, Thomas J., Jenkintown, and G. O. Leopold, assignors to North Bro's M'f'g. Co., Philadelphia, Pa. Combined ice crusher and beverage container. 98,582; Feb. 18.
Fisher, Fred. H., Syracuse, assignor to Morris W. Haft & Brothers, Inc., New York, N. Y. Button. 98,583; Feb. 18.
Fisher, Fred. H., Syracuse, assignor to Morris W. Haft & Brothers, Inc., New York, N. Y. Button. 98,584; Feb. 18.
Fisher, Fred. H., Syracuse, assignor to Morris W. Haft Brothers, Inc., New York, N. Y. Button. 98,585; Feb. 18.
Florence Stove Company. (See Bradbury, William T., assignor.)
Franklin Simon & Co. (See Karp, William, assignor.)
Freysinger, John B., New Britain, Conn. Buckle. 98,586; Feb. 18.
Gage, Charles S., Cold Spring on Hudson, assignor to Lentheric Incorporated, New York, N. Y. Box. 98,587; Feb. 18.
Garshofsky, Lewis, New York, N. Y. Breakfast table. 98,588; Feb. 18.
Garshofsky, Lewis, New York, N. Y. Breakfast table. 98,589; Feb. 18.
Greenbaum, Arthur, Beachmont, assignor to Panther-Panco Rubber Co. Inc., Chelsea, Mass. Shoe sole. 98,590; Feb. 18.
Grom, Henry W., assignor to Arteraft Optical Co., Rochester, N. Y. Bridge for eyeglasses. 98,591; Feb. 18.
Grossman, Edward, New York, N. Y. Coat. 98,592; Feb. 18.
Haft, Morris W., & Brothers, Inc. (See Fisher, Fred H., assignor.)

Hain, Harry D., Cleveland, Ohio, assignor to Railley Corporation, Cleveland, Ohio. Electric lighting fixture. 98,647; Feb. 18.

Hamilton, J. T. & A., Company. (See Kihn, Lawrence J., assignor.)

Hoffmann, Wolfgang, Batavia, assignor to The Howell Company, St. Charles, Ill. Smoking stand. 98,593; Feb. 18.

Hoffmann, Wolfgang, Batavia, assignor to The Howell Company, St. Charles, Ill. Smoking stand. 98,594; Feb. 18.

Hoffmann, Wolfgang, Batavia, assignor to The Howell Company, St. Charles, Ill. Smoking stand. 98,595; Feb. 18.

Hoffmann, Wolfgang, Batavia, assignor to The Howell Company, St. Charles, Ill. Smoking stand. 98,648; Feb. 18.

Hotstream Heater Company, The. (See Morrow, Clarence H., assignor.)

Howell Company, The. (See Hoffmann, Wolfgang, assignor.)

Hutcheson, Ray R., Kew Gardens, assignor to Diecasters, Inc., New York, N. Y. Ash tray. 98,596; Feb. 18.

Jackson, George McK., Lake Bluff, Ill. Cabinet. 98,649; Feb. 18.

Karp, William, assignor to Franklin Simon & Co., Inc., New York, N. Y. Ensemble dress. 98,597; Feb. 18.

Kaunitz, Fred E., and L. E., Bay City, Mich. Trailer. 98,650; Feb. 18.

Kaunitz, Lester E. (See Kaunitz, Fred E., and L. E.)

Kihn, Lawrence J., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company. Glass bottle. 98,598; Feb. 18.

Kraeft, Herman L., Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Handle bar. 98,651; Feb. 18.

Lanvin Parfums, Inc. (See Lanvin, Yves, assignor.)

Lanvin, Yves, Paris, France, assignor to Lanvin Parfums, Inc., Wilmington, Del. Bottle. 98,599; Feb. 18.

Lee, Donald A., Oakland, Calif. Luminous-arm signal. 98,600; Feb. 18.

Lehmann, Charles A., Cedar Rapids, Iowa. Radio antenna. 98,652; Feb. 18.

Lentheric, Incorporated. (See Durand, René, assignor.)

Lentheric, Incorporated. (See Gage, Charles S., assignor.)

Leopold, George O. (See Fegley, T. J., and Leopold.)

Macy, R. H., Co. (See Moser-Benedikt, Berthold, assignor.)

Mann, Lee, Providence, R. I. Bottle. 98,601; Feb. 18.

McAuliffe, Leo C., Brooklyn, assignor to L. Mundet & Son, Inc., New York, N. Y. Closure cap. 98,602; Feb. 18.

McCarter, Ruth J., and W. H., Hanover, N. H. Infant's sleeping bag or similar article. 98,603; Feb. 18.

McCarter, William H. (See McCarter, Ruth J., and W. H.)

Merrill, Walter A., Los Angeles, Calif. Game device. 98,653; Feb. 18.

Metlox Manufacturing Company. (See Prouty, Willis O., assignor.)

Meyer, Max C., Brooklyn, N. Y. Cigarette case or similar article. 98,604; Feb. 18.

Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Water heater. 98,605; Feb. 18.

Moser-Benedikt, Berthold, Karlsbad, Czechoslovakia, assignor to R. H. Macy & Co., Inc., New York, N. Y. Casserole. 98,606; Feb. 18.

Moser-Benedikt, Berthold, Karlstad, Czechoslovakia, assignor to R. H. Macy & Co., Inc., New York, N. Y. Cup. 98,607; Feb. 18.

Mundet, L., & Son, Inc. (See McAuliffe, Leo C., assignor.)

Murray-Ohio Manufacturing Company, The. (See Krafft, Herman L., assignor.)

Nadler, Harry, New York, N. Y. Blouse. 98,608; Feb. 18.

North Bro's. M'f'g Co. (See Fegley, T. J., and Leopold, assignors.)

Novelview, Inc. (See Rossman, Earl, assignor.)

Panther-Panco Rubber Co. Inc. (See Greenbaum, Arthur, assignor.)

Pecora, Michael A., assignor to Pecora's Farm Dairy, West Hazleton, Pa. Milk bottle. 98,609; Feb. 18.

Pecora's Farm Dairy. (See Pecora, Michael, assignor.)

Perlmutter, Henry A., Brooklyn, N. Y. Lamp base. 98,610; Feb. 18.

Perlmutter, Henry A., Brooklyn, N. Y. Lamp base. 98,611; Feb. 18.

Perlmutter, Henry A., Brooklyn, N. Y. Lamp base. 98,654; Feb. 18.

Perona, Lucien A., Saumalite, assignor to Substance & Products, Inc., San Francisco, Calif. Cosmetic container. 98,612; Feb. 18.

Pollard, Frank L., Oakland, Calif. Combined sales and display counter. 98,613; Feb. 18.

Prima Manufacturing Company. (See Stanitz, Jacques, assignor.)

Prouty, Willis O., Hermosa Beach, assignor to Metlox Manufacturing Company, Manhattan Beach, Calif. Tumbler. 98,614; Feb. 18.

Pumphrey, Marshall C., assignor to Barker Bros. Incorporated, Los Angeles, Calif. Railroad. 98,615; Feb. 18.

Putman, Solomon, Newark, N. J. Buckle. 98,616; Feb. 18.

Railley Corporation. (See Hain, Harry D., assignor.)

Redford, Frank A., Horse Cave, Ky. Building. 98,617; Feb. 18.

Richardson Company, The. (See Risser, Oliver O., assignor.)

Risser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 98,655; Feb. 18.

Ritter, Saul, New York, N. Y. Link for a watch bracelet. 98,618; Feb. 18.

Ritter, Saul, New York, N. Y. Link for a watch bracelet. 98,619; Feb. 18.

Ritter, Saul, New York, N. Y. Watch bracelet. 98,620; Feb. 18.

Ritter, Saul, New York, N. Y. Link for a watch bracelet. 98,621; Feb. 18.

Ritter, Saul, New York, N. Y. Watch bracelet. 98,622; Feb. 18.

Ritter, Saul, New York, N. Y. Watch bracelet. 98,623; Feb. 18.

Ritz-Woller, Oliver C., Chicago, Ill. Lens for motor vehicle lamps. 98,624; Feb. 18.

Rossman, Earl, assignor to Novelview, Inc., New York, N. Y. Stereoscopic viewer. 98,625; Feb. 18.

Schofield Shoe Company. (See Atkins, Thomas R., assignor.)

Smith, James S. B., New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Closure cap or similar article. 98,626; Feb. 18.

South Bend Bait Company. (See Burge, Floyd O., assignor.)

Stanitz, Jacques, Warren, assignor to Prima Manufacturing Company, Inc., Sidney, Ohio. Combined washing machine and wringer. 98,627; Feb. 18.

Stark, Florence. (See Stark, Helen, and F.)

Stark, Helen and F., New York, N. Y. Lunch counter unit. 98,628; Feb. 18.

Steiner, Joseph C., Chicago, Ill. Faucet mounting. 98,629; Feb. 18.

Substance & Products, Inc. (See Perona, Lucien A., assignor.)

Wessig, August, Chicago, Ill. Direction indicator for vehicles. 98,630; Feb. 18.

White, Morris, New York, N. Y. Leather or similar article. 98,656; Feb. 18.

Wilkinson, Ellis H., Pottstown, Pa. Water heater cabinet. 98,631; Feb. 18.

Winer, Samuel, Haverhill, Mass. Shoe. 98,632; Feb. 18.

Wolfe, Sigmund L., Chicago, Ill. Flower vase. 98,633; Feb. 18.

Wright, Russel, New York, N. Y. Cabinet. 98,634; Feb. 18.

Wright, Russel, New York, N. Y. Buffet. 98,635; Feb. 18.

Wright, Russel, New York, N. Y. Chest of drawers. 98,636; Feb. 18.

Wright, Russel, New York, N. Y. Adjustable chair. 98,637; Feb. 18.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF FEBRUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbe, Earl C., Longmeadow, assignor to Moore Drop Forging Company, Springfield, Mass. Making hinge leaves. 2,031,244; Feb. 18.

Ackermann, Franz. (See Graemacher, C., and Ackermann.)

Ackermann, Franz, Binningen, near Basel, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Dyeing or coloring cellulose esters and cellulose ethers. 2,031,356; Feb. 18.

Acksahand Knitting Co. (See Buchholz, William C., assignor.)

Acme Steel Company. (See Calldrese, William C., assignor.)

Adams, James L., Jr., Youngstown, Ohio. Oscillation-type lock. 2,031,069; Feb. 18.

Addressograph Company. (See Gollwitzer, Walter T., assignor.)

Adrianoff, Alexandre, Brussels, Belgium. Coal burner. 2,031,199; Feb. 18.

Agfa Ansco Corporation. (See Hagedorn, M., and Möller, assignors.)

Agfa Ansco Corporation. (See Boehri, Bruno C., assignor.)

Agricola, Alfred, Berlin-Tempelhof, assignor to Allgemeine Elektrizitäts, Berlin, Germany. Tuning indicator. 2,031,296; Feb. 18.

Ahlquist, Gustaf R., Great Falls, Mont. Punch. 2,031,024; Feb. 18.

Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake system. 2,030,985; Feb. 18.

Air Drill Corporation, The. (See Crossman, James H., 3d, assignor.)

Air Reduction Company. (See Anderson, James L., assignor.)

Air Reduction Company. (See Hughey, Howard G., assignor.)

Aktiebolaget Svenska Kullagerfabriken. (See Nilsson, Karl G. V., assignor.)

Alfaro, Heraclio, Boston, Mass. Cam generating machine. 2,030,907; Feb. 18.

Allen, John W., assignor of forty-nine per cent to W. M. Blain, Greenwood, Miss. Smokestack painter. 2,030,840; Feb. 18.

Allgemeine Elektrizitäts. (See Agricola, Alfred, assignor.)

Alsaker, Alfred, Chicago, and F. H. Cole, Oak Park, assignors to The Delta-Star Electric Company, Chicago, Ill. Disconnect plug and receptacle. 2,031,296; Feb. 18.

Altmayer, Frank, assignor to Willard Storage Battery Company, Cleveland, Ohio. Hydrometer syringe. 2,031,025; Feb. 18.

Aluminum Alloys Welding Corporation. (See Malley, Nelson F., assignor.)

Aluminum Company of America. (See Derr, Ralph E., assignor.)

Amaru, Fortunato. (See Amaru, Liberio, assignor.)

Amaru, Liberio, assignor of one-half to F. Amaru, Boston, Mass. Nonrefillable bottle and container stopper. 2,031,446; Feb. 18.

American Bemberg Corporation. (See Hartmann, A., and Baurieder, assignors.)

American Brass Company, The. (See Jennison, Herbert C., assignor.)

American Car and Foundry Company. (See Eich, Donald U., assignor.)

American Chain Company. (See Lewis, D., Walsh, and Lashar, assignors.)

American Electric Fusion Corporation. (See von Henke, Edmund J., assignor.)

American Lanzi Corporation. (See von Forster, H., and Künstel, assignors.)

American Mills Company, The. (See Lilley, Samuel C., assignor.)

American Rolling Mill Company, The. (See Payne, William H., assignor.)

American Sealcone Corporation. (See Winton, Lewis B., assignor.)

American Smelting and Refining Company. (See Betterton, J. O., and Weis, assignors.)

American Steel Foundries. (See Bender, F. H., and Bachman, assignors.)

American Steel Foundries. (See Peyrot, Armand H., assignor.)

American Telephone and Telegraph Company. (See Carter, Herman T., assignor.)

American Telephone and Telegraph Company. (See Dietze, Eginhard, assignor.)

American Telephone and Telegraph Company. (See Hovelmans, Alfred, assignor.)

Amaya, Climerio, Mexico, D. F., Mexico. Bottle closure. 2,030,841; Feb. 18.

Anderson, Arvid E., Drexel Hill, Pa., assignor to General Electric Company. Automatic reclosing circuit breaker system. 2,031,447; Feb. 18.

Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for removing metal. 2,030,842; Feb. 18.

Anderson, John W., Gary, Ind. Windshield wiper. 2,031,297; Feb. 18.

Animal Trap Company of America. (See Kahn, J. D., and Lenz, assignors.)

Antioch Industrial Research Institute, Inc. (See Berdon, Albert E., assignor.)

Apex Tool & Cutter Company, The. (See Severson, Ole, assignor.)

Arcelon, John, Mount Vernon, N. Y. Circuit controller. 2,031,448; Feb. 18.

Arvidius, Svante P., Malmo, Sweden. Automatic Gramophone. 2,031,449; Feb. 18.

Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Refrigerator. 2,031,450; Feb. 18.

Atkinson, Ralph L., Dorchester, assignor to Arthur D. Little, Incorporated, Cambridge, Mass. Process and apparatus for treating sausage casings. 2,030,843; Feb. 18.

Atlanta Harness and Reed Manufacturing Company. (See Floyd, Samuel R., assignor.)

Atlantic Refining Company, The. (See Henderson, Lawrence M., assignor.)

Atlas Plywood Corporation. (See Muller, Robert A., assignor.)

Atti, Raphael, Union City, N. J. Grinding machine. 2,030,850; Feb. 18.

Attwood, Stanley H., Wolverhampton, assignor to Simms Motor Units Limited, London, England. Valve operating mechanism for internal combustion engines. 2,030,844; Feb. 18.

Austin, Chester L. (See Austin, Harry C., assignor.)

Austin, Harry C., assignor to C. L. Austin, Kansas City, Mo. Exhaust silencer for internal combustion engines. 2,031,451; Feb. 18.

Automatic Electric Company. (See Ostline, John E., assignor.)

Automatic Electric Company Limited. (See Beins, F. T., and McClew, assignors.)

Automotion Pictures, Inc. (See Streyckmans, Hector J., assignor.)

Automotive Maintenance Machinery Co. (See Wishart, William W., assignor.)

Automotive Products Company Limited. (See Boughton, E. B., and Van Vestraut, assignors.)

Bachman Fred H. (See Bender, F. H., and Bachman.)

Baird Machine Company, The. (See Lewis, Arthur J., assignor.)

Baker & Company, et al. (See Weller, Charles A., assignor.)

Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Electrical regulating system. 2,031,452; Feb. 18.

Barker, Charles B., Aurora, Ill. Iron attachment. 2,031,026; Feb. 18.

Barker, Virgil D., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Measuring apparatus. 2,030,956; Feb. 18.

Barnard, Earl W., assignor to Morris Paper Mills, Morris, Ill. Setting-up collapsible containers. 2,031,090; Feb. 18.

Barnett, Walter, and A. E. O'Key, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N.J. Dispensing apparatus. 2,030,908; Feb. 18.

Barnie, David A., Springfield, Mass. Air washing device. 2,031,027; Feb. 18.

Barok, George D., Columbus, Ohio. Indicator for game apparatus. 2,030,845; Feb. 18.

Barrett, Charles E., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Pile fabric. 2,030,851; Feb. 18.

Barrett, Harry B., Los Angeles, Calif. Combination precision grinder and calipers. 2,031,387; Feb. 18.

Bartholowsky, Johannes, Los Angeles, Calif. Apparatus for producing perspectives. 2,031,388; Feb. 18.

Bassick Company, The. (See Claud-Mantle, Arthur, assignor.)

Bauer Brothers Company, The. (See Woodruff, M. D., Mechlin, and Markley, assignors.)

Baugh, William H., et al. (See Robinson, William A., assignor.)

Baumann, Karl Urmston, and H. Sinclair, Surbiton Hill, England. Hydraulic coupling. 2,031,521; Feb. 18.

Bauer, Karl, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Making products including aliphatic aldehydes. 2,031,200; Feb. 18.

Bauriedel, Gotthard. (See Hartman, A., and Bauriedel.)

Bausch & Lomb Optical Company. (See McCabe, Joseph J., assignor.)

Beardsley, Alling P. (See Berry, G. A., and Beardsley.)

Beardsley, Robert O., assignor to James & Lamson Machine Company, Springfield, Vt. Attachment for comparators. 2,031,201; Feb. 18.

Begg, Russell S., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Hub cap and cover. 2,031,092; Feb. 18.

Belas, Francis T., and J. W. McClew, assignors to Automatic Electric Company Limited, Liverpool, England. Electric totalizator. 2,031,296; Feb. 18.

Benander, George B., Yalesville, assignor to Monowatt Electric Corporation, Bridgeport, Conn. Convenience outlet. 2,031,453; Feb. 18.

Bencowitz, Isaac, New York, N. Y., assignor to Texas Gulf Sulphur Company, Sulphur burner. 2,031,403; Feb. 18.

Bender, Frederic H., and F. H. Bachman, assignor to American Steel Foundries, Chicago, Ill. Wheel and axle assembly. 2,031,093; Feb. 18.

Bendix Aviation Corporation. (See Ketay, Morris F., assignor.)

Bener, Christian, Chur, assignor to Raduner & Co., A-G., Horn, Switzerland. Dressing fabrics. 2,031,245; Feb. 18.

Berdon, Albert E., assignor to Antioch Industrial Research Institute, Inc., Yellow Springs, Ohio. Recording device. 2,030,609; Feb. 18.

Berg, Nanstad, Cleveland Heights, assignor of one-half to J. H. Bruce, Shaker Heights, Ohio. Clothesline prop. 2,031,091; Feb. 18.

Berger, Adolph F. (See Williams, R. A., and Berger.)

Berry, George A., Bound Brook, and A. P. Beardsley, Plainfield, N. J., assignors to National Fuels Corporation, New York, N. Y. Distilling coal. 2,030,852; Feb. 18.

Bethenod, Joseph, Paris, and A. Claude, Nanterre, France, assignors to Société Anonyme pour les Applications de l'Electricité & des Gaz Rares Etablissements Claude-Paz & Silva. Electromagnetic apparatus. 2,030,857; Feb. 18.

Betterton, Jesse O., and G. H. Weis, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Treating copper anode mud. 2,031,290; Feb. 18.

Betty, John, assignor to J. A. Betty, Corcoran, Calif. Toy gun. 2,031,359; Feb. 18.

Betty, John A. (See Betty, John, assignor.)

Bier, Leo E., Los Angeles, Calif. Signaling system. 2,031,202; Feb. 18.

Bigsert, Florence C., Jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rotary shear blade clamp. 2,031,246; Feb. 18.

Biggs, Floyd E., Detroit, Mich. Ventilator. 2,031,404; Feb. 18.

Biglin, John T., Hastings, Nebr. Latch. 2,031,522; Feb. 18.

Bilde, Tord B. D., and A. Eriksson-Jons, Stockholm, Sweden, assignors to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,031,454; Feb. 18.

Biolite, Inc. (See Fiorovanti, Raffaele, assignor.)

Biolite, Inc. (See Kaufman, Alfonse, assignor.)

Birmingham Electric Furnaces Limited. (See Lobley, Alfred G., assignor.)

Bischof, Paul, Bronx, N. Y. Transmission. 2,031,247; Feb. 18.

Bishop, Stanley K., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Seat adjuster. 2,031,248; Feb. 18.

Bishton, Robert E., Herkimer, N. Y. Adjustable burnishing reamer. 2,030,846; Feb. 18.

Bitzer, Gottlob, West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Knitting machine thread carrier actuating means. 2,031,300; Feb. 18.

Black & Decker Electric Company, The. (See Spielman, Milton H., assignor.)

Black, William H., New York, N. Y. Safety razor. 2,031,455; Feb. 18.

Blackmond, William C., Ranger, assignor of one-half to J. H. Reynolds, Cisco, Tex. Mixing machine. 2,030,847; Feb. 18.

Blain, W. M. (See Allen, John W., assignor.)

Blair, James H., Staten Island, assignor to Chayes Dental Instrument Corporation, New York, N. Y. Grinding wheel mandrel. 2,030,910; Feb. 18.

Blatterman, Albert S., Asbury Park, N. J. System for remotely controlling a radio receiver. 2,031,555; Feb. 18.

Blount, Arthur L., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Castor machine oils. 2,031,405; Feb. 18.

Blunt, Edmund H., Brooklyn, N. Y. Pump construction. 2,031,456; Feb. 18.

Bohn Aluminum & Brass Corporation. (See Schwerak, Joseph J., assignor.)

Bombly, Harold. (See Meunier, C. J., and Bomboy.)

Booth, Charles F., Anniston, Ala., assignor to Swann Research, Incorporated. Preparation of phosphates of manganese. 2,031,579; Feb. 18.

Borden, Charles R. C., Brookline, Mass. Washing and lathering sponge device. 2,030,811; Feb. 18.

Borg-Warner Corporation. (See Mauch, C. F., and Klipsch, assignors.)

Boughton, Edward B., London, and G. Van Vestraut, Leamington Spa, assignors to Automotive Products Company, Limited, London, England. Automotive brake. 2,030,843; Feb. 18.

Boughton, Edward B., assignor to Lockheed Hydraulic Brake Company, Limited, London, England. Hydraulically or liquid pressure operated brake. 2,031,309; Feb. 18.

Bovard, Floyd G., Akron, assignor to The Ohio Brass Company, Mansfield, Ohio. Cable clamp attachment. 2,031,203; Feb. 18.

Bowen, Lester W., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Projection apparatus. 2,031,361; Feb. 18.

Bowman, Oliver S., Colorado Springs, Colo. Waterproof and fireproof floor construction. 2,031,249; Feb. 18.

Boyce, Leonard D., Maplewood, Mo. Window control device for automobiles and other traveling vehicles. 2,030,849; Feb. 18.

Boyer, Clifford F., and G. W. Fouke, assignors to Kwick-Kut Manufacturing Co., Inc., St. Louis, Mo. Tire greaser. 2,031,629; Feb. 18.

Boyle Manufacturing Company. (See Rollason, Charles E., assignor.)

Brandenberg, Francis C., assignor to The Wood Shovel & Tool Company, Piqua, Ohio. Shovel. 2,031,556; Feb. 18.

Brandwood, Joseph, Southport, England. Impregnation of textile materials with rubber-containing liquids. 2,031,094; Feb. 18.

Braren, Waldo W., Pasadena, Calif. Automobile lock. 2,031,523; Feb. 18.

Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Separating wax from oil. 2,031,095; Feb. 18.

Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Producing lubricating oil. 2,031,096; Feb. 18.

Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Producing lubricating oil. 2,031,504; Feb. 18.

Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Solvent extraction of oils. 2,031,206; Feb. 18.

Breivogel, Philip J., Glen Ridge, N. J. Preparing calcium salts of substituted quinoline carboxylic acids. 2,030,958; Feb. 18.

Bren, Bosetech C., Cedar Grove, N. J., assignor to DuPont Viscoloid Company, Wilmington, Del. Compound and compositions containing same. 2,031,206; Feb. 18.

Breneman, Hugh H., Glen Mills, Pa. Container. 2,031,020; Feb. 18.

Brett, George P. (See Wright, G. M., and Brett.)

Brewer-Titchener Corporation, The. (See Bishop, Stanley K., assignor.)

Bridgeport Brass Company. (See McMahon, Joseph J., assignor.)

Bridgeport Brass Company. (See Ward, Marshall H., assignor.)

Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)

Briggs & Stratton Corporation. (See Griffith, Raymond W., assignor.)

Brisard, Maxime J., San Francisco, Calif. Metallic coating recovering device. 2,031,086; Feb. 18.

Brown, Elmer W., Oberlin, Kans. Repair device for cream separator disks. 2,031,350; Feb. 18.

Brown, George R., Bridgeport, Conn., assignor to General Electric Company. Fuse. 2,031,457; Feb. 18.

Browning, Glenn H., Winchester, assignor to Doble Engineering Company, Medford, Mass. Compensated watt-meter. 2,031,307; Feb. 18.

Bruce, Joseph H. (See Berg, Nanstad, assignor.)

Brück, Walter, Mannheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone-2.1 (N) benzacridone series. 2,031,406; Feb. 18.

Bruson, Herman A., assignor to The Resinous Products & Chemical Co., Inc., Philadelphia, Pa. Resinous amine derivatives and process of preparing. 2,031,557; Feb. 18.

Buchbois, William C., assignor to Ackaband Knitting Co., Inc., Ballston Spa, N. Y. Knitted mitten and making the same. 2,030,969; Feb. 18.

Bucky, Gustav, New York, N. Y. Stand for X-ray apparatus and the like. 2,031,097; Feb. 18.

Budd, Edward G., Manufacturing Company. (See Engedale, Earl J. W., assignor.)

Budd, Harry, Old Charlton, London, England. Device for delivering measured quantities of liquids. 2,031,081; Feb. 18.

Budd Wheel Company. (See Begg, Russell S., assignor.)

Budwig, Gilbert G., Saratoga, assignor to Insect-O-Products Company, Burbank, Calif. Liquid spray apparatus. 2,030,853; Feb. 18.

Buffalo Forge Company. (See Criqui, Albert A., assignor.)

Burgard, Margaret A., South Williamsport, assignor to C. A. Reed Company, Williamsport, Pa. Lollipop holder. 2,031,208; Feb. 18.

Burns, Fred J., assignor to The Columbia Mills, Inc., Saginaw, Mich. Self-locking bracket. 2,030,956; Feb. 18.

Burton-Dixie Corporation. (See Putnam, H., and Pearce, assignor.)

Burton, Harry H., assignor to Slater Mills, Inc., Webster, Mass. Imitation linen fabric. 2,031,209; Feb. 18.

Bush, Ralph E., Manoa, Pa., assignor to General Electric Company. Operating mechanism. 2,031,458; Feb. 18.

Butler-Kuhn Corporation. (See Kuhn, George, assignor.)

Calloy Limited. (See Kirnsbom, Gustaf R., assignor.)

Calver, George W., U. S. Navy. Constant intensity illumination system. 2,030,854; Feb. 18.

Campbell, Stanley H., assignor to Germain Manufacturing Company, Saginaw, Mich. Fastener. 2,031,407; Feb. 18.

Canfield, Robert H., Washington, D. C. Testing materials. 2,030,855; Feb. 18.

Carpenter, Rupert R. H. (See Eckersley, P. P., and Carpenter.)

Carrollton Metal Products Company, The. (See Stevens, Carl A., assignor.)

Carter, Herman T., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Operator's telephone circuit. 2,030,961; Feb. 18.

Caterpillar Tractor Co. (See Eberhard, Harmon S., assignor.)

Central United National Bank, trustee. (See Ohmer, John F., assignor.)

Cerf, Ervin W. (See Cerf, Sam P., and R. W.)

Cerf, Sam P., St. Louis, and R. W. Cerf, Clayton, Mo. Device for protecting concrete. 2,031,098; Feb. 18.

Chambless, Errol F. (See Fay, Joseph W., assignor.)

Chambless, Errol F., Chicago, assignor of one-half to J. W. Fay, Villa Park, Ill. Shade roller. 2,031,459; Feb. 18.

Chambless, Errol F., Chicago, assignor of one-half to J. W. Fay, Villa Park, Ill. Clothespole. 2,031,460; Feb. 18.

Chambless, Errol F., Chicago, assignor of one-half to J. W. Fay, Villa Park, Ill. Clothespole. 2,031,461; Feb. 18.

Champoux, Maurice, Quebec, Quebec, Canada. Tobacco smoking pipe. 2,031,524; Feb. 18.

Chapman, Walter, Palmers Green, London, assignor to Dufaycolor Limited, London, England. Mixing the color element images in multi-color screen photographic printing and projection. 2,031,032; Feb. 18.

Church, William H., Buffalo, W. L. Hyden, and J. C. Stemann, Kenmore, assignors to Du Pont Cellophane Company, Inc., New York, N. Y. Moistureproof material and making same. 2,030,962; Feb. 18.

Chayes Dental Instrument Corporation. (See Blair, James H., assignor.)

Chemical Works, formerly Sandoz. (See Kussmaul, Walter, assignor.)

Chicago Carton Company. (See Clarke, John D., assignor.)

Chicago Daily News, Inc., The. (See Sewick, Frank, assignor.)

Childress, William C., Oak Park, assignor to Acme Steel Company, Chicago, Ill. Strap stretching device. 2,031,462; Feb. 18.

Chitty, Albert H., et al. (See Rhodin, Brodde H. F., assignor.)

Choate, Roy R., and W. R. Rodler, assignors to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Earth moving device. 2,031,463; Feb. 18.

Christman, Peter J., Green Bay, Wis. Sheet-folding machine. 2,031,301; Feb. 18.

Ciba Products Corporation. (See Gams, A., Widmer, and Frey, assignors.)

Cinch Manufacturing Corporation. (See Knutson, Carl L., assignor.)

Clark, James R., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y. Drawer stop for cabinets and the like. 2,031,251; Feb. 18.

Clark, Wycliffe L., Jamestown, N. Y. Latch. 2,031,302; Feb. 18.

Clarke, John D., assignor to Chicago Carton Company, Chicago, Ill. Golf hole. 2,031,525; Feb. 18.

Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Automobile robe support and bracket therefor. 2,031,408; Feb. 18.

Claude, André. (See Bethenod, J., and Claude.)

Claude, André, Nanterre, assignor to Société Anonyme pour les Applications de l'Electricité et des Gaz Rares Etablissements Claude-Paz & Silva, Paris, France. Discharge tube. 2,030,963; Feb. 18.

Clickner, Forest H., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill. Egg product and emulsifier therefor. 2,030,964; Feb. 18.

Clickner, Forest H., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill. Emulsifier. 2,030,965; Feb. 18.

Clifford Manufacturing Co. (See Clifford, Walter B., assignor.)

Clifford, Walter B., assignor to Clifford Manufacturing Co., Boston, Mass. Relief valve for hot water systems. 2,031,553; Feb. 18.

Cole, Fred H. (See Almker, A., and Cole.)

Coleman, Henry J. (See Mason, W. T., and Coleman.)

Columbia Mills, Inc., The. (See Burns, Fred J., assignor.)

Columbian Rope Company. (See Koon, Archie W., assignor.)

Columbian Rope Company. (See Reed, Leslie D., assignor.)

Combustion Utilities Corporation. (See Wilgus, Harold M., assignor.)

Compagnie de Produits Chimiques et Electrométallurgiques Alais, Froges et Camarque. (See Torchet, Pierre J. M., assignor.)

Continental Motors Corporation. (See Harris, William W., assignor.)

Continental Oil Company. (See Davis, Lloyd L., assignor.)

Corcoran, Leonard C., Cleveland Heights, Ohio. Feed dog recutting fixture. 2,031,464; Feb. 18.

Cottrell, McKenzie, Stratford, Conn., assignor to General Electric Company. Signaling system. 2,031,465; Feb. 18.

Crammond, Earle D. (See Gemeny, Blaine B., assignor.)

Crane, Edward J., Oak Park, Ill., and D. V. Waters, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Variable pressure apparatus. 2,030,966; Feb. 18.

Criner, Harry J., Davenport, assignor, by mesne assignments, to The Micro Corporation, Bettendorf, Iowa. Slicing bread. 2,031,252; Feb. 18.

Criqui, Albert A., assignor to Buffalo Forge Company, Buffalo, N. Y. Fan. 2,031,466; Feb. 18.

Crosman, James H., 3d, Haverford, assignor to The Air Drill Corporation, Philadelphia, Pa. Aircraft. 2,030,967; Feb. 18.

Culbertson, Harvey W., et al. (See Lane, Herald D. R., assignor.)

Culver, Edward, and A. H. Emerson, assignors to United Kingdom Optical Company, Limited, London, England. Eyeglass lens. 2,030,968; Feb. 18.

Cushman, John K., assignor to York Ice Machinery Corporation, York, Pa. Scraper blade. 2,030,969; Feb. 18.

Dahlen, Miles A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes and their production. 2,030,970; Feb. 18.

Daminaitis, George P., Cleveland, Ohio. Lithograph offset machine plate clamp. 2,031,569; Feb. 18.

Davenport, Frank A. (See Willshaw, H., Smith, and Davenport.)

Davis, Lloyd L., Ponca City, assignor to Continental Oil Company, Ponca City, Okla. Oil testing device. 2,031,253; Feb. 18.

Day, Ralph B., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Method and apparatus for treating rubber articles. 2,031,560; Feb. 18.

Day, Ralph B., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Method and apparatus for treating rubber articles. 2,031,561; Feb. 18.

De Long Gum Co. (See Peterson, Conrad E., assignor.)

Delta-Star Electric Company, The. (See Alsaker, A., and Cole, assignors.)

Demuth, George, Green Bay, Wis. Link type hinge. 2,031,520; Feb. 18.

Denebeim, Morton W., St. Louis, assignor to Waxide Paper Company, Kansas City, Mo. Dispensing carton. 2,031,033; Feb. 18.

De Roymancour, Otto G. J. S., Breda, Netherlands. Device for continuous spinning and/or twisting of textile fibers. 2,031,467; Feb. 18.

Derr, Ralph B., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Heat insulated food package. 2,031,254; Feb. 18.

Detroit Lubricator Company. (See Eggleston, Lewis W., assignor.)

Deubelbeiss, Hans S., Montreal, Quebec, Canada. Bathtub. 2,031,255; Feb. 18.

Dickinson, William N., Rockville Centre, N. Y. Signals and controls for passenger and freight elevators and for other purposes. 2,030,912; Feb. 18.

Diescher, August P., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa. Cross-roll apparatus. 2,031,099; Feb. 18.

Diescher Tube Mills, Inc. (See Diescher, August P., assignor.)

Dietze, Eginhard, Westfield, N. J., assignor to American Telephone and Telegraph Company. Operator's telephone circuit. 2,030,971; Feb. 18.

Dilling, Henry P., Pittsburgh, Pa. Plug connecter. 2,030,856; Feb. 18.

Dillon, Lyle, Los Angeles, and C. H. Swift, Glendale, assignors to Union Oil Company of California, Los Angeles, Calif. Process and apparatus for dewaxing oil. 2,031,210; Feb. 18.

Dingley, Edward N., Jr., Washington, D. C. Electrical circuit analyser. 2,030,857; Feb. 18.

Doble Engineering Company. (See Browning, Glenn H., assignor.)

Dobson, William A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,030,858; Feb. 18.

Dodge, Theodore, River Falls, Wis. Automatic watering device. 2,031,146; Feb. 18.

Dodson, Edward, Streatham, London, England. Controlling means for fuel injection engines. 2,031,527; Feb. 18.

Doherty Research Company. (See Snathoff, George W., assignor.)

Dole, Myron W., Belmont, Mass. Feed water heater for locomotives. 2,031,468; Feb. 18.

Doodchenko, Peter L. (See Pelipets, Michail G., assignor.)

Doolin, Charles R., San Antonio, Tex. Bag rack. 2,031,147; Feb. 18.

Dorsey, Claude R., Jr., Elba, Ala. Semiautomatic fifth wheel construction. 2,031,256; Feb. 18.

Dow Chemical Company, The. (See Reilly, John H., assignor.)
Dowding, George V., London, England, assignor to Radio Corporation of America. Fidelity control circuits. 2,031,034; Feb. 18.
Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Detecting flaws. 2,031,468; Feb. 18.
Drapal, Othmar, Cologne-Mulheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Textile assistants. 2,030,859; Feb. 18.
Dresser, S. R., Manufacturing Company. (See Norton, Charles H., assignor.)
Dreyfus, Henry, London, England. Apparatus for the production of artificial filaments and like materials. 2,030,972; Feb. 18.
Dreymann, Carl G., Pittsburgh, Pa., assignor to Grant Paper Box Company. Making moistureproof paperboard and the like. 2,031,035; Feb. 18.
Dreymann, Carl G., Pittsburgh, Pa., assignor to Grant Paper Box Company. Composition of matter and its production. 2,031,036; Feb. 18.
Du Bois, Horace. (See John, H., Le Febvre, and Du Bois.)
Duesel, Bernard F. (See Renshaw, R. R., Tissa, and Duesel.)
Dufaycolor Limited. (See Chapman, Walter, assignor.)
Dumke, Willy, assignor to Utah Radio Products Company, Chicago, Ill. Electrical resistance device. 2,031,311; Feb. 18.
Dunham, C. A., Company. (See Powell, Ellis G., assignor.)
Dunlop Rubber Company Limited. (See Goodyear, E. F., Wright, and Trevaskis, assignors.)
Dunlop Tire and Rubber Corporation. (See Willshaw H., Smith, and Davenport, assignors.)
Dunn, George E. (See Ketcham, F., and Dunn.)
Duplate Corporation. (See Kamerer, J. W., and Whitmire.)
Du Pont Cellophane Company. (See Church, W. H., Hyden, and Siemann, assignors.)
Du Pont, E. I., de Nemours & Company. (See Dahlen, Miles A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Johnson, Frank W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Jordan, Henry, assignor.)
Du Pont, E. I., de Nemours & Company. (See Marvel, Carl S., assignor.)
Du Pont Viscoloid Company. (See Bren, Boestech C., assignor.)
Du Pont Viscoloid Company. (See Strain, Daniel E., assignor.)
Durst, Henry, Denver, Colo. Trolley. 2,031,148; Feb. 18.
Duston, Merle, Detroit, Mich. Method of and apparatus for electrically recording and reproducing sound or other vibrations. 2,030,973; Feb. 18.
Dwofsky, Bernard, New York, N. Y. Printing pad. 2,031,212; Feb. 18.
Eastman Kodak Company. (See Fallesen, G. E., and Staud, assignors.)
Eastman Kodak Company. (See Malm, Carl J., assignor.)
Easy Washing Machine Corporation. (See Papworth, Walter A., assignor.)
Eberhard, Harmon S., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Tractor. 2,031,303; Feb. 18.
Eck, Herbert P., I. B. Rosenberg, and H. M. Rosenberg, Port Chester, and I. Fleer, New York, N. Y. Safety cutting tool. 2,031,470; Feb. 18.
Eckersley, Peter P., Chelsea, London, and R. E. H. Carpenter, London, England. Wire broadcasting system 2,031,528; Feb. 18.
Eckersley, Thomas L. (See Smith, S. B., and Eckersley.)
Eclipse Aviation Corporation. (See Havill, Clinton H., assignor.)
Eclipse Machine Company. (See Lansing, Raymond P., assignor.)
Edwards, Charles E., New Britain, Conn. Stroking holder for razor blades. 2,031,471; Feb. 18.
Eggleston, Lewis W., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,031,408; Feb. 18.
Einstein, David G. (See Goldman, Ralph H., assignor.)
Eirich, Joseph. (See Eirich, Ludwig, and J.)
Eirich, Ludwig, and J., Hardheim, Baden, Germany. Edge runner-like mixing and kneading machine. 2,031,149; Feb. 18.
Eibel, Eberhard, and A. Kirstahler, assignors to Henkel & Cie., Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany. Preparation of mercaptans. 2,031,539; Feb. 18.
Electric Storage Battery Company, The. (See Wallace, Curtis C., assignor.)
Electrolux Corporation. (See Bilde, T. E. D., and Eriksen-Jons, assignors.)
Elgin National Watch Company. (See Gabriel, William A., assignor.)
Eller, Arthur L., assignor to E. B. Lutkins, Olathe, Kans. Illuminated folding table. 2,031,304; Feb. 18.
Elliott, Harold F., Palo Alto, Calif. Detecting and amplifying system. 2,030,913; Feb. 18.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Water-resistant sandpaper and other abrasive papers and making same. 2,031,262; Feb. 18.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Emerson, Alfred H. (See Culver, H., and Emerson.)
End, Gotthard, and J. Gastel, Schaffhausen, assignor to Schweizerische Industrie-Gesellschaft, Neuhausen, Switzerland. Automatic firearm. 2,031,305; Feb. 18.
Engel, Francis H., New York, N. Y., assignor to Radio Corporation of America. Oscillation generator. 2,031,109; Feb. 18.
Eriksen, Emil M., Bogstrud, near Oslo, Norway. Ski edge protector. 2,031,150; Feb. 18.
Eriksen, Erik E., North Canton, Ohio. Combination vanity case. 2,031,329; Feb. 18.
Eriksen-Jons, Anders. (See Bilde, T. E. D., and Eriksen-Jons.)
Eresphe, Inc. (See Peschl, Frank A., assignor.)
Errig, William F., Philadelphia, and G. M. Pfundt, Churchville, assignors to Poco Manufacturing Corporation, Philadelphia, Pa. Hand tire-groover. 2,031,472; Feb. 18.
Esick, Charles R., assignor to Pennsylvania Optical Co., Reading Pa. Mounting for rimless lenses. 2,031,360; Feb. 18.
Esiberg, Adam J., Sunburst, Mont. Valve. 2,031,151; Feb. 18.
Eureka Photo Mechanical Equipment, Inc. (See Marocco, Dante V., assignor.)
Evans, Llewellyn W., assignor to Rheem Manufacturing Company, Richmond, Calif. Steel container fitting. 2,031,350; Feb. 18.
Evans, Merlin H., and J. H. Woodhouse, assignors to Evanwood Corporation, Elmira, N. Y. Brake testing apparatus. 2,030,914; Feb. 18.
Evanwood Corporation. (See Evans, M. H., and Woodhouse, assignors.)
Everedy Company, The. (See Lebbers, Harry J., assignor.)
Everitt, Raymond, Toronto, Ontario, Canada. Bracelet, or the like, structures. 2,030,974; Feb. 18.
Excel Auto Radiator Company. (See Sperry, Philmore F., assignor.)
Fairchild, Edwin S., New York, N. Y. Mixture measure. 2,030,975; Feb. 18.
Fairfield, Walter B., LaGrange, and R. Jeanjetit, Hinsdale, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Safety guard and control system. 2,030,976; Feb. 18.
Fallesen, George E., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Print-out emulsion. 2,030,860; Feb. 18.
Farmer, Clyde C., Pittsburgh, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,031,213; Feb. 18.
Farrington, Franklin. (See Parker, C. S., Wall, and Farrington.)
Fay, Joseph W. (See Chambless, Bruyl F., assignor.)
Fay, Joseph W., Villa Park, assignor of one-half to B. F. Chambless, Chicago, Ill. Shade roller. 2,031,473; Feb. 18.
Federal Telegraph Company. (See Koister, Frederick A., assignor.)
Feild, Alexander L., assignor, by mesne assignments, to Rustless Iron and Steel Corporation of America, Baltimore, Md. Manufacture of alloys of iron, chromium, nickel, and copper. 2,031,152; Feb. 18.
Fessenden, Robert G., Townsend, Mass. Cover for kegs, barrels, or like containers. 2,031,168; Feb. 18.
Fettweisky, Eduard, and H. Lux, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement adapted to generate ultra short electromagnetic waves. 2,031,191; Feb. 18.
Fiess, Frank, North Platte, Nebr. Jar closure. 2,031,531; Feb. 18.
Flake, Henry J., Jr., Etna, Pa. Emergency wheel. 2,031,257; Feb. 18.
Fish, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pad for applying pressure to shoe bottoms. 2,030,915; Feb. 18.
Fioravanti, Raffaele, Milan, Italy, assignor, by mesne assignments, to Biolite, Inc., New York, N. Y. Display device. 2,031,409; Feb. 18.
Fiorani, Walter. (See Moser, W., and Fiorani.)
Fisher, Harmon F., assignor to Union Oil Company of California, Los Angeles, Calif. Process and apparatus for dewaxing oil. 2,031,214; Feb. 18.
Fisher, Martin M., Seattle, Wash. Tire retreading mold. 2,030,861; Feb. 18.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Positioning freight on vehicles. 2,030,962; Feb. 18.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Load lifting cradle. 2,030,963; Feb. 18.
Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Lock. 2,031,155; Feb. 18.
Flake Products Corporation. (See McCallum, Arthur, assignor.)
Fleer, Isaac. (See Eck, H. P., I. B., and H. M. Rosenberg, and Fleer.)
Fleyd, Samuel E., assignor to Atlanta Harness and Rod Manufacturing Company, Atlanta, Ga. Mail eye clinching device and forming cotter harness having metal eyes. 2,030,917; Feb. 18.

Foley, Fenwick D., St. John County, New Brunswick, Canada. Mold for the manufacture of teapots and the like. 2,031,299; Feb. 18.
Foley, Louis D., Louisville, Ky. Hydraulic gear shift. 2,031,364; Feb. 18.
Fortier, Byron P., and F. A. Miller, Springfield, assignors to L. R. Hildreth, Columbus, Ohio. Bumper. 2,030,978; Feb. 18.
Foster Wheeler Corporation. (See Keenan, Walter F., Jr., assignor.)
Foster Wheeler Corporation. (See Malmed, J. S., Welsh, and Keenan, assignors.)
Fouke, George W. (See Boyer, C. F., and Fouke.)
Fox, Clark A., Nashville, Tenn. Electric cooking utensil. 2,031,259; Feb. 18.
Frank, Joseph, Brooklyn, N. Y., assignor to Gemloid Corporation, New York, N. Y. Decorative product and making the same. 2,031,474; Feb. 18.
Fraser, Joseph T. W., Baltimore, Md. Oxidizing catalysts. 2,031,475; Feb. 18.
French, Charles A., Riverside, Ill. Liquid fuel vaporizer and burner. 2,031,306; Feb. 18.
French, Ralph W., Junction City, Kans. Tagging machine. 2,031,476; Feb. 18.
Frey, Karl. (See Gams, A., Widmer, and Frey.)
Freydberg Bros. Inc. (See Lamstozzy, Stephen, assignor.)
Friedman, Abraham I. (See Gianninoto, F. A., and Friedman.)
Fuchs, Fred, St. Paul, Minn. License plate holder for automobiles. 2,031,154; Feb. 18.
Fulk, Murl M. (See Shattuck, O. M., and Fulk.)
Fuller, Collins F., Chicago, Ill. Egg box. 2,030,979; Feb. 18.
Fulweiler, Walter H., Wallingford, assignor to The United Gas Improvement Company, Philadelphia, Pa. Purification of gas from oxides of nitrogen. 2,031,410; Feb. 18.
Fury, William M., Philadelphia, Pa. Rectifier. 2,031,411; Feb. 18.
Gabriel, William A., Elgin, assignor to Elgin National Watch Company, Chicago, Ill. Self-winding timepiece. 2,030,980; Feb. 18.
Gastel, Jakob. (See End, G., and Gastel.)
Gams, Alphonse, G. Widmer, and K. Frey, Basel, Switzerland, assignors, by mesne assignments, to Ciba Products Corporation, Dover, Del. Infusible synthetic resins and making same. 2,031,220; Feb. 18.
Gard, James C., Bloomington, Ill. Door fastener. 2,030,916; Feb. 18.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,030,981; Feb. 18.
Gasoline Antioxidant Company. (See Rogers, T. H., and Voorhees, assignors.)
Gefecken, Heinrich, and H. Richter, Leipzig, Germany, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Photoelectric tube. 2,031,102; Feb. 18.
Gemeny, Blaine B., Washington, D. C., assignor of one-third to E. D. Crammond, Washington, D. C. Automatic variable pitch propeller. 2,030,958; Feb. 18.
Gemloid Corporation. (See Frank, Joseph, assignor.)
General Aniline Works, Inc. (See Brock, Walter, assignor.)
General Aniline Works, Inc. (See Drapal, Othmar, assignor.)
General Aniline Works, Inc. (See Niemann, Georg, assignor.)
General Aniline Works, Inc. (See Wolfram, A., and Hausdörfer, assignors.)
General Electric Company. (See Anderson, Arvid E., assignor.)
General Electric Company. (See Atchison, Leonard W., assignor.)
General Electric Company. (See Bany, Herman, assignor.)
General Electric Company. (See Brown, George E., assignor.)
General Electric Company. (See Bush, Ralph E., assignor.)
General Electric Company. (See Cottrell, McKenzie, assignor.)
General Electric Company. (See Gray, William T., assignor.)
General Electric Company. (See Hamada, Seitoku, assignor.)
General Electric Company. (See Hankins, Caryl P., assignor.)
General Electric Company. (See Moore, Chester H., assignor.)
General Electric Company. (See Seeley, Harold T., assignor.)
General Electric Company. (See Thumim, Carl, assignor.)
General Electric Company. (See Tritle, John F., assignor.)
General Electric Company. (See Warner, John C., assignor.)
General Electric Company Limited, The. (See Thompson, William G., assignor.)
General Motors Corporation. (See King, Jesse G., assignor.)
General Motors Corporation. (See Smiltack, Jacob, assignor.)
General Motors Corporation. (See Van Deventer, Harry E., assignor.)
General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
George, Ralph W., Riverhead, N. Y., assignor to Radio Corporation of America. Ultra short wave receiver. 2,031,196; Feb. 18.
Gerland, Harry A., Baltimore, Md. Machine for making pretzels. 2,031,365; Feb. 18.
Germain Manufacturing Company. (See Campbell, Stanley E., assignor.)
Geyer, Ernest H. (See Kerr, John W., assignor.)
Giannineto, Frank A., Yonkers, and A. I. Friedman, Brooklyn, N. Y. Collapsible drawing table. 2,031,477; Feb. 18.
Gielow, Harry C., Elgin, Ill., assignor to The L. S. Starrett Company, Athol, Mass. Inside micrometer centering device. 2,030,864; Feb. 18.
Gillett, Frank L., Los Angeles, and J. S. Morgan, Jr., Inglewood, Calif., assignors, by mesne assignments, to The National Superior Company, Toledo, Ohio. Honing tool. 2,031,156; Feb. 18.
Gilpin, Nan, Riverside, Ill. Hand knitting. 2,031,104; Feb. 18.
Gilson, Lucian E., Marshfield, Wis. Shade for greenhouses. 2,031,157; Feb. 18.
Gloekler, John E., Pittsburgh, Pa. Meat holder. 2,031,307; Feb. 18.
Goder, Max, Neuss, Germany, assignor to United States Envelope Company, Springfield, Mass. Seal-flap gumming and drying in envelope machines. 2,031,261; Feb. 18.
Goldman, Ralph H., Chicago, assignor of one-half to D. G. Einstein, Chicago, Ill. Electric pencil. 2,031,532; Feb. 18.
Gollwitzer, Walter T., Cleveland, Ohio, assignor to Addressograph Company, Wilmington, Del. Address plate. 2,030,865; Feb. 18.
Gomberer, Estelle W. (See Williams, Villor P., assignor.)
Goodhue, Julian G., Evanston, assignor to Security Grinding Wheel Co., Chicago, Ill., a trust estate as trustees. Machine for making grinding wheels. 2,031,158; Feb. 18.
Goodman Manufacturing Company. (See Lindgren, Frank A., assignor.)
Goodyear, Ernest F., Moxhall Park, Wibaw, and J. Wright, Stoke Park, Coventry, and H. Trevaskis, Keresley, Coventry, assignors to Dunlop Rubber Company Limited, London, England. Aircraft brake control mechanism. 2,031,412; Feb. 18.
Goosman, Herbert J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electrically lighted sewing machine. 2,031,562; Feb. 18.
Gorse, William F., Altrincham, and R. H. Scott, Enfield, assignors to Linotype and Machinery Limited, London, England. Typographical slug casting machine. 1,031,844; Feb. 18.
Gossard, H. W., Company, The. (See Wipperman, Hildegard, assignor.)
Graenacher, Charles, Basel, and F. Ackermann, Binningen, near Basel, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of benzimidazoles having higher alkyl-groups at the n-carbon atom. 2,031,037; Feb. 18.
Graham, Samuel J., New York, N. Y., assignor to Individual Drinking Cup Company, Inc., Easton, Pa. Display device. 2,031,367; Feb. 18.
Grant Paper Box Company. (See Dreymann, Carl G., assignor.)
Grant, Richard S., and A. A. Schlegel, Akron, assignors to The Jaite-Grant Display Bag Company, Cleveland, Ohio. Procedure and apparatus for making window bags and wrappers. 2,031,580; Feb. 18.
Grasselli Chemical Company, The. (See Lemmerman, Paul C., assignor.)
Gray, James W., New York, N. Y. Column level gauge. 2,031,533; Feb. 18.
Gray, William T., Altrincham, England, assignor to General Electric Company. Fluid control means. 2,031,478; Feb. 18.
Green, Ernest. (See Wells, N., and Green.)
Grettie, Donald B. (See Richardson, W. D., Grettie and Newton.)
Griffith, Raymond W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Assembly tool for lock cylinders. 2,031,159; Feb. 18.
Grimes, Lucius H. (See McKinney, Robert, assignor.)
Grossenbacher, Ernest, Fajardo, Puerto Rico. Tramp iron collector. 2,030,982; Feb. 18.
Grullemans, John J., Painesville, assignor to The Wayside Gardens Company, Mentor, Ohio. Bed material for flower bulbs. 2,031,308; Feb. 18.
Guildford, Joseph R., Regina, Saskatchewan, Canada. Multiple joint extension union. 2,030,917; Feb. 18.
Gyr, Walter. (See Paul, M., and Gyr.)
Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 2,031,479; Feb. 18.
Habirshaw Cable and Wire Corporation. (See Staples, Horace A., assignor.)

Hagedorn, Max, Dessau in Anhalt, and P. Müller, Dessau-Ziebigk, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Treatment of films and foils of organic cellulose esters. 2,030,983; Feb. 18.

Hahn, Otto W., San Francisco, Calif. Valve. 2,031,309; Feb. 18.

Hall, Elisha W., Scituate, Mass. Buffing wheel. 2,031,105; Feb. 18.

Hall, James E. L., assignor to C. Martin, Chicago, Ill. Flight apparatus. 2,031,310; Feb. 18.

Hall, Louis M., Fort Thomas, Ky., assignor to The Monarch Tool & Manufacturing Company, Cincinnati, Ohio. Slug-rejecting coin slide. 2,031,160; Feb. 18.

Halpin, Harry J., Camden, and L. S. Henwood, Merchantville, assignors to C. H. Hunt Pen Company, Camden, N. J. Making a pen point. 2,030,918; Feb. 18.

Hamada, Seitoku, Tokyo, Japan, assignor to General Electric Company. Ballast resistance. 2,031,480; Feb. 18.

Hamel, Otto W., Chicago, Ill. Handgrip member. 2,031,161; Feb. 18.

Handy & Harman. (See Leach, Robert H., assignor.)

Hannon, Albert H., Springfield, Ohio. Automatic electroplating machine. 2,030,984; Feb. 18.

Hansen, Morton. (See Young, W. G., Hansen, and Pollen.)

Hardin, Robert H., Bakersfield, Calif. Air cooling device. 2,031,534; Feb. 18.

Harding, John W., Brockway, Pa. Glass feeding device. 2,031,413; Feb. 18.

Harding, Robert, Jr., Elmsford, N. Y., assignor to Sirian Lamp Company, Newark, N. J. Device for creating an illusion. 2,030,919; Feb. 18.

Harrigan, Floyd T., Hobart, Ind. Lawn mower attachment. 2,031,038; Feb. 18.

Harris, Elmer M., San Diego, Calif. Closed car wind deflector. 2,030,806; Feb. 18.

Harris, William W., assignor to Continental Motors Corporation, Detroit, Mich. Clutch. 2,031,311; Feb. 18.

Hart, Charles, Chester, Pa., assignor of one-half to P. Shields, Washington, D. C. Removing metals as volatile chlorides from ores and other matters containing the same. 2,030,867; Feb. 18.

Hart, Charles, Chester, Pa., assignor of one-half to P. Shields, Washington, D. C. Removing metals as volatile chlorides from ores and other matters containing the same. 2,030,868; Feb. 18.

Hartmann, Adolph. (See Kranz, F., and Hartmann.)

Hartmann, August and G. Baurledel, Barmen, Germany, assignors to American Bemberg Corporation, New York, N. Y. Producing artificial silk. 2,030,985; Feb. 18.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Refrigerator car door. 2,031,039; Feb. 18.

Haseltine, Stacy B., assignor to W. H. Miner, Inc., Chicago, Ill. Refrigerator car door. 2,031,040; Feb. 18.

Haskins, Caryl P., Schenectady, N. Y., assignor to General Electric Company. Synthetic resin and method of preparation. 2,031,481; Feb. 18.

Hasson, Paul R. (See Storey, N. C., and Hasson.)

Hausdörfer, Emil. (See Wolfram, A., and Hausdörfer.)

Haven, Charles D., Milwaukee, Wis., assignor to The Thermopane Company, Toledo, Ohio. Multi-ply glass sheet glazing unit. 2,030,869; Feb. 18.

Havill, Clinton H., South Orange, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Automatic airplane pilot. 2,030,886; Feb. 18.

Hedburg, Harry W., Fresno, Calif. Motor vehicle air conditioner. 2,031,041; Feb. 18.

Heegner, Kurt, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Production of oscillations. 2,031,106; Feb. 18.

Henderson, Lawrence M., Narberth, assignor to The Atlantic Refining Company, Philadelphia, Pa. Hydrocarbon oil treatment. 2,030,870; Feb. 18.

Henkel & Cie., Gesellschaft mit beschränkter Haftung. (See Eibel, E., and Kirstahler, assignors.)

Hensel, William M., Chicago, Ill. Color engraving process. 2,030,920; Feb. 18.

Henwood, Lloyd S. (See Halpin, H. J., and Henwood.)

Heraeus-Vacuumschmelze, A. G. (See Hessenbruch, Werner, assignor.)

Herckmans, Alfred, New York, N. Y., assignor to American Telephone and Telegraph Company. Oscillation control device. 2,030,987; Feb. 18.

Herrington, Ralph J., Minneapolis, Minn. Internal combustion engine. 2,031,042; Feb. 18.

Hessenbruch, Werner, Hanau-on-the-Main, assignor to Heraeus-Vacuumschmelze, A. G., Hanau-on-the-Main, Germany. Copper-beryllium alloys. 2,030,921; Feb. 18.

Heywood Paper Box & Manufacturing Company. (See Johnson, Carl W., assignor.)

Hickman, Albert F., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y. Vehicle spring suspension. 2,031,482; Feb. 18.

Hickman Pneumatic Seat Co. (See Hickman, Albert F., assignor.)

Higgins, Gilbert H., Mountain Lakes, N. J., and W. F. Huck, Richmond Hill, assignors to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, permanent trustee. Chase. 2,030,871; Feb. 18.

Hildreth, Louis R. (See Fortier, B. F., and Miller, assignors.)

Hill, George H., Jr., Parkersburg, W. Va. Distributing apparatus. 2,031,262; Feb. 18.

Hirth, Richard R., Milwaukee, Wis. Capacitor. 2,030,922; Feb. 18.

Hi-Way Service Corporation. (See Kerber, Joseph H., assignor.)

Hobbs, Howard F., Leamington Spa, England. Power transmission mechanism. 2,031,414; Feb. 18.

Hobbs, Thadeus, Paris, France, assignor to the firm Hydro Nitro S. A., Geneva, Switzerland. Utilizing the heat in the oxidation of ammonia to nitric acid under pressure. 2,031,215; Feb. 18.

Hodson, Walter D., Chicago, Ill. Lubrication and lubricant therefor. 2,031,368; Feb. 18.

Hoe, R., & Co. (See Higgins, G. H., and Huck, assignors.)

Hofstetter, Robert, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coil winding machine. 2,030,988; Feb. 18.

Hofstetter, Robert, Downers Grove, and J. W. Sager, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Coil winding machine. 2,030,989; Feb. 18.

Holbeck, Austin A., Long Lake, Mich. Feeding apparatus. 2,031,369; Feb. 18.

Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Ultra-short wave receiver. 2,030,872; Feb. 18.

Holtzman, John, New York, N. Y. Cigarette package holder. 2,030,990; Feb. 18.

Hood Rubber Company. (See White, Douglas L., assignor.)

Hookless Fastener Company. (See Quisling, Sverre, assignor.)

Hoover, Cecil E., Scandinavia, Wis. Ice cream service container. 2,031,162; Feb. 18.

Hopkins, George J., assignor to McCray Refrigerator Company, Kendallville, Ind. Display refrigerator accessory. 2,030,923; Feb. 18.

Hopper, Basil, San Pedro, assignor to Union Oil Company of California, Los Angeles, Calif. Separating oil from wax cakes. 2,031,107; Feb. 18.

Hopper, Basil, Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Removing wax from oil. 2,031,108; Feb. 18.

Horlick, William, Jr., Racine, Wis. Container and closure therefor. 2,031,312; Feb. 18.

Horowitz, Alexandre, and J. Vissman, Eindhoven, Netherlands, assignors to Radio Corporation of America. Tube base and socket. 2,031,313; Feb. 18.

Hotchkiss, E. H., Company, The. (See Koch, Charles F., Jr., assignor.)

Howse, William D. (See Robinson, R. E., and Rick, assignors.)

Huck, William F. (See Higgins, G. H., and Huck.)

Hughes-Mitchell Processes, Incorporated. (See Mitchell, T. A., and Semmes, assignors.)

Hughey, Howard G., Irvington, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Method and torch for burning liquid fuel. 2,031,163; Feb. 18.

Hungerford, Daniel C., Corning, N. Y., assignor to J. Ward Ogden Company, East Orange, N. J. Spring balanced door. 2,030,873; Feb. 18.

Hunt, C. Howard, Pen Company. (See Halpin, H. J., and Henwood, assignors.)

Hunter, Louis N., assignor to National Radiator Corporation, Johnstown, Pa. Draft hood. 2,031,314; Feb. 18.

Hunter, Lytle G., Flushing, N. Y. Mounting for panels. 2,030,874; Feb. 18.

Hyden, William L. (See Church, W. H., Hyden, and Hermann.)

Hydro Nitro S. A. (See Hobler, Theodor, assignor.)

Hyman, Henry. (See Rothenberg, Harry, assignor.)

Hymans, Frederick, Larchmont, assignor to Otis Elevator Company, New York, N. Y. Elevator safety device. 2,031,043; Feb. 18.

Ideal Aeroplane & Supply Co. (See Kramer, William, assignor.)

Imperial Chemical Industries Limited. (See Williams, Vernon H., assignor.)

Imperial Chemical Industries Limited. (See Wyler, Max, assignor.)

Indian Territory Illuminating Oil Company. (See Elser, Carey O., assignor.)

Individual Drinking Cup Company. (See Graham, Samuel J., assignor.)

Ingersoll Milling Machine Company, The. (See Morgan, Everette K., assignor.)

Ingersoll Milling Machine Company. (See Oberhuber, Alexander, assignor.)

Insect-O Products Company. (See DeOwig, Gilbert G., assignor.)

International Engineering, Inc. (See Langenkamp, A. G., and McElroy, assignors.)

International Harvester Company. (See Johnston, Edward A., assignor.)

International Harvester Company. (See Muench, William F., assignor.)

International Harvester Company. (See Roming, Adolph, and A. G., assignors.)

International Motor Company. (See Loedler, Bruno, assignor.)

Interrante, Frank, Brooklyn, N. Y. Hairpin clasp. 2,031,483; Feb. 18.

Interrante, Frank, Brooklyn, N. Y. Hairpin clasp. 2,031,484; Feb. 18.

Irving Trust Company, permanent trustee. (See Higgins, G. H., and Huck, assignors.)

Jaite-Grant Display Bag Company, The. (See Grant, R. S., and Schlegel, assignors.)

Jenkinson, George R. (See Mouveaux, Emile R., assignor.)

Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Conveyer. 2,031,368; Feb. 18.

Jennison Herbert C., Bridgeport, assignor to The American Brass Company, Waterbury, Conn. Copper base alloy. 2,031,315; Feb. 18.

Jennison, Herbert C., Bridgeport, Conn. Copper base alloy. 2,031,316; Feb. 18.

Jensen, Lars and B. Sherman, Lincoln, Nebr. Safety pike. 2,031,044; Feb. 18.

Jensen, Louis, assignor to United Autographic Register Co., Chicago, Ill. Autographic register. 2,031,370; Feb. 18.

John, Hans and C. C. Le Febvre, Appleton, and H. Du Bois, Neenah, assignors to Paper Patents Company, Neenah, Wis. Bleaching pulp. 2,031,485; Feb. 18.

Johns-Manville Corporation. (See Mayer, Carl W., assignor.)

Johnson, Arthur, Springfield, Mass. Fishing apparatus. 2,030,875; Feb. 18.

Johnson, Carl W., assignor to Heywood Paper Box & Manufacturing Company, Minneapolis, Minn. Air purifying device. 2,031,164; Feb. 18.

Johnson, Clarence A. E., Minneapolis, Minn. Milk strainer. 2,031,165; Feb. 18.

Johnson, Frank W., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the N-dihydro-1,2,2',1'-anthraquinone azine series and the production thereof. 2,030,876; Feb. 18.

Johnson, Frank W., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company Wilmington, Del. Production of derivatives of N-dihydro-1,2,2',1'-anthraquinone azine. 2,030,877; Feb. 18.

Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Tractor. 2,031,317; Feb. 18.

Jones & Lamson Machine Company. (See Beardsley, Robert O., assignor.)

Jones, Walter I., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener installation and fastener for the same. 2,031,563; Feb. 18.

Jongedyk, Ralph. (See Fairfield, W. E., and Jongedyk.)

Jordan, Henry, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes and their preparation. 2,030,991; Feb. 18.

Junkers, Hugo, assignor to firm Junkers-Motorenbau G. m. b. H., Dessau, Germany. Engine. 2,031,318; Feb. 18.

Junkers-Motorenbau G. m. b. H. (See Junkers, Hugo, assignor.)

Kahn, Jacob K., Chicago, Ill. Belt drive. 2,031,319; Feb. 18.

Kalbach, Samuel R., assignor to Textile Machine Works, Wyomissing, Pa. Textile working device. 2,031,216; Feb. 18.

Kali-Chemie Aktiengesellschaft. (See Rüsberg, Friedrich, assignor.)

Kamerer, James W., New Kensington, and LeR. S. Whitmire, Natrona Heights, Pa., assignors to Duplate Corporation. Safety glass. 2,030,878; Feb. 18.

Katz, Willy, New York, N. Y. Safety device for gas ranges, gas boilers, etc. 2,031,415; Feb. 18.

Kaufman, Alfonso, Long Beach, assignor, by mesne assignments, to Biolite, Inc., New York, N. Y. Display device. 2,031,416; Feb. 18.

Keenan, Walter F., Jr. (See Maissel, J. S., Welsh, and Keenan.)

Keenan, Walter F., Jr., Pelham Manor, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y. Power plant. 2,031,423; Feb. 18.

Keller, Joseph P., New York, N. Y. Flexible closure for containers and the like. 2,030,992; Feb. 18.

Kemmerer, Ralph E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Signaling system. 2,030,924; Feb. 18.

Kennebeck, Eugene G., Denver, Colo. Device for sacking sliced bread and the like. 2,031,264; Feb. 18.

Kerber, Joseph H., assignor to Hi-Way Service Corporation, Milwaukee, Wis. Hydraulic apparatus. 2,031,166; Feb. 18.

Kernspecht, Otto, assignor to Variety Machine & Stamping Company, Cleveland, Ohio. Guard for automotive vehicle bumpers. 2,031,217; Feb. 18.

Kerr, John W., Chicago, Ill., assignor to H. H. Geyer, Milwaukee, Wis. Longitudinal joint reenforcement system for concrete roads. 2,031,371; Feb. 18.

Kersten, Jacob, Kalamazoo, Mich. Adjustable seat. 2,031,109; Feb. 18.

Keseling, Herman G., Cuero, Tex. Reenforcement supporting chair. 2,031,265; Feb. 18.

Ketay, Morris F., Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Annunciator unit. 2,031,266; Feb. 18.

Ketcham, Frank, Dearborn, and G. E. Dunn, Detroit, Mich., assignors to The Universal Products Co., Inc. Roller bearing assembling machine. 2,031,417; Feb. 18.

Kiecksee, Ernst, Leipzig, assignor, by mesne assignments to Meco-Brennkraft-Maschinen G. m. b. H., Frankfort-on-the-Main, Germany. Ram. 2,031,535; Feb. 18.

Kiesel, John S., Williamsport, Pa. Gate valve. 2,031,372; Feb. 18.

Kilpela, Ano E. (See Rauen, C. F., and Kilpela.)

King, Clifford G., Barrington, R. I. Multiple ring bracelet. 2,031,110; Feb. 18.

King, Jesse G., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,031,536; Feb. 18.

Kirsebom, Gustaf N., Oslo Norway, assignor to Calloy Limited, London, England. Production of alloys of the alkaline earth metals with lead or other metals. 2,031,486; Feb. 18.

Kirsebom, Gustaf N., Oslo, Norway, assignor to Calloy Limited, London, England. Production of alloys of the alkaline earth metals with cadmium. 2,031,487; Feb. 18.

Kirstahler, Alfred. (See Eibel, E., and Kirstahler.)

Klein, Adolf, New York, N. Y. Check for piano actions. 2,031,488; Feb. 18.

Kleineberg, Paul E., Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y. Wrapping machine. 2,030,879; Feb. 18.

Kleineberg, Paul E., Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y. Wrapping machine. 2,030,880; Feb. 18.

Kliwer, Arthur G. (See Ponting, L. C., and Kliwer.)

Kletz, Jacob H., Bronx, N. Y. Handbag. 2,031,218; Feb. 18.

Knight, Herbert M., Montclair, N. J. Vessel. 2,030,881; Feb. 18.

Knox, George N., Alliance, Ohio. Spring axle. 2,031,537; Feb. 18.

Knutson, Carl L., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Separable electrical contact device. 2,031,564; Feb. 18.

Koch, Edwin A., River Edge, N. J. Vehicle wheel inclosure. 2,031,219; Feb. 18.

Koenigsberger, Frans, assignor to Parfumerie St. Denis, New York, N. Y. Stable depilatory. 2,031,489; Feb. 18.

Kolster, Frederick A., New York, N. Y., assignor to Federal Telegraph Company, Newark, N. J. High frequency circuit. 2,031,490; Feb. 18.

Kondolf, Henry, assignor to Southern Kraft Corporation, New York, N. Y. Carton and blank for forming the same. 2,031,111. Feb. 18.

Koon, Archie W., assignor to Columbian Rope Company, Auburn, N. Y. Preservative means for ropes and the like. 2,031,267; Feb. 18.

Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Apparatus for making containers. 2,031,418; Feb. 18.

Kraft-Phenix Cheese Corporation. (See Clickner, Forest H., assignor.)

Kramer, William, Richmond Hill, assignor to Ideal Aeroplane & Supply Co., Inc., New York, N. Y. Toy airplane. 2,031,419; Feb. 18.

Kramp, Edward D., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Power transmitting belt. 2,031,565; Feb. 18.

Kranz, Philip, Philadelphia, and A. Hartmann, Elkins Park, assignors to B. Wilmsen, Philadelphia, Pa. Crinkled tinsel producing machine. 2,031,566; Feb. 18.

Krosman, Laudie E., Scio, Oreg. Wire splicer. 2,031,167; Feb. 18.

Kuch, Charles F., Jr., assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple driving machine. 2,031,320; Feb. 18.

Kühle, Wilhelm E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Power tube. 2,031,112; Feb. 18.

Kuhn, George, Takoma Park, Md., assignor to Butler-Kuhn Corporation, Washington, D. C. Illuminating apparatus. 2,031,168; Feb. 18.

Künstel, Fritz. (See von Forster, H., and Künstel.)

Küppenbender, Heinz, Dresden, Germany. Photographic camera. 2,031,321; Feb. 18.

Kussmaul, Walter, assignor to the firm of Chemical Works Formerly Sandoz, Basel, Switzerland. Manufacture of new stable antimony compounds. 2,031,268; Feb. 18.

Kwick-Kut Manufacturing Co. (See Boyer, C. F., and Fouke, assignors.)

Lamson Company, The. (See Jennings, Chester S., assignor.)

Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole attaching apparatus. 2,031,491; Feb. 18.

Land, Edwin H., Wellesley Farms, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J. Avoiding glare from automobile headlights. 2,031,045; Feb. 18.

Landolt Albert, Basel, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Prevention of the bleeding on white animal fibers. 2,031,046; Feb. 18.

Lane, Herald D. R., Derby, assignor of one-third to H. W. Culberston, one-third to K. M. Lane, and one-third to W. H. Nickels, Gate City, Va. Self-locking motor control. 2,031,322; Feb. 18.

Lane Kenith M., et al. (See Lane, Herald D. R., assignor.)

Langenkamp, Albert G., and R. H. McElroy, assignors to International Engineering, Inc., Dayton, Ohio. Fan. 2,030,993; Feb. 18.

Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine starting apparatus. 2,030,882; Feb. 18.

Lansing, Raymond P., Montclair, N. J., assignor to Eclipse Machine Company, Elmira Heights, N. Y. Engine starter. 2,031,269; Feb. 18.
Le Plant-Choate Manufacturing Co. Inc. (See Choate, R. E., and Rodier, assignors.)
Larsen, Hans B. (See Stern, J. N., and Larsen.)
Lashar, Walter B., Jr. (See Lewis, D., Walsh, and Lashar.)
Lasstocay, Stephen, Bergenfield, N. J., assignor to Freydberg Bros. Inc., New York, N. Y. Feed reversing mechanism for sewing machines. 2,031,323; Feb. 18.
Laymon, Gilbert D., Miami, Fla. Removing stains from teeth. 2,031,169; Feb. 18.
Lea, Dudley L., assignor to Self Lifting Piano Truck Company, Findlay, Ohio. Portable truck. 2,030,926; Feb. 18.
Leach, Robert H., Fairfield, Conn., assignor to Handy & Harman, New York, N. Y. Alloys. 2,031,113; Feb. 18.
Lebel, Louis, Sherbrooke, Quebec, Canada, assignor to J. J. Rosenthal, New York, N. Y. Demountable wheel. 2,031,114; Feb. 18.
Lebbers, Harry J., assignor to The Everedy Company, Frederick, Md. Device for opening jars. 2,031,420; Feb. 18.
Lechler, Firma Paul. (See Liedle, Wilhelm, assignor.)
Lee, Harry S., Detroit, Mich. Apparatus for manufacturing, treating, and cooling cement clinkers. 2,031,047; Feb. 18.
Lee, Harry S., Detroit, Mich. Fuel feed burner. 2,031,048; Feb. 18.
Lee, Harry S., Detroit, Mich. Apparatus for manufacturing and treating cement clinkers. 2,031,049; Feb. 18.
Leeds, Morris E., assignor to Leeds & Northrup Company, Philadelphia, Pa. Measuring system. 2,031,060; Feb. 18.
Leeds & Northrup Company. (See Leeds, Morris E., assignor.)
Le Febvre, Clarence C. (See John, H., Le Febvre, and Du Bois.)
Lehn, Charles J., Oak Park, Ill. Humidifying system. 2,031,220; Feb. 18.
Lehn, John U. (See Zahm, J. D. and Lehn.)
Leighton, John W., Port Huron, Mich. Shackle support. 2,031,492; Feb. 18.
Leighton, John W., Port Huron, Mich. Spring bolt assembly. 2,031,493; Feb. 18.
Lemmerman, Paul C., Cleveland Heights, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Metal casting. 2,031,538; Feb. 18.
Lemmerman, Paul C., East Cleveland, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Welding rod coating. 2,031,494; Feb. 18.
Lenmart Company. (See Stephenson, Arlington W., assignor.)
Lester, James C., Pulaski, Tenn. Vehicle indicating lamp. 2,031,170; Feb. 18.
Lewellen, Chester L., assignor to Motor Products Corporation, Detroit, Mich. Radiator grille. 2,031,324; Feb. 18.
Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Automatic chucking machine. 2,031,051; Feb. 18.
Lewis, Dartrey, Boston, Mass., W. L. Walsh, Stratford, and W. B. Lashar, Jr., Fairfield, Conn., assignors to American Chain Company, Inc., Bridgeport, Conn. Abrasive cutting machine and method. 2,031,052; Feb. 18.
Lewis Invisible Stitch Machine Company. (See Moulton, Harley C., assignor.)
Lewis, Joseph. (See Lindsay, Myrtle E., assignor.)
Lexow, Edward F., Minneapolis, Minn. Loose leaf binder. 2,031,373; Feb. 18.
Liedle, Wilhelm, Stuttgart-Cannstatt, assignor to Firma Paul Lechler, Stuttgart, Germany. Method and apparatus for manufacturing packing. 2,031,567; Feb. 18.
Liedtke, Raymond C., Hankinson, and C. O. Wolen, Northgate, N. Dak. Dust mop cleaner and receptacle. 2,031,374; Feb. 18.
Lilley, Samuel C., Hamden, assignor to The American Mills Company, Hamden, Conn. Noncreep elastic strands for elastic fabrics. 2,031,375; Feb. 18.
Lindbloom, Charles V., and L. W. Lindbloom, Cranford, N. J. Sanitary toothbrush holder. 2,031,115; Feb. 18.
Lindbloom, Lily W. (See Lindbloom, Charles V. and L. W.)
Lindgren, Frank A., Western Springs, assignor to Goodman Manufacturing Company, Chicago, Ill. Kerf-cutting machine. 2,030,926; Feb. 18.
Lindgren, Frank A., Western Springs, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 2,031,376; Feb. 18.
Lindsay, Myrtle E., assignor to J. Lewis, Los Angeles, Calif. Hair curling device. 2,031,377; Feb. 18.
Linotype and Machinery Limited. (See Gorse, W. F., and Scott, assignors.)
Linsell, Harry K., Oak Park, Ill., assignor to United States Gypsum Company, Chicago, Ill. Mastic floor topping. 2,031,171; Feb. 18.
Lisius, Henry, Havelock, N. Dak. Cultivator. 2,030,994; Feb. 18.
Little, Arthur D., Incorporated. (See Atkinson, Ralph I., assignor.)
Lobley, Alfred G., Erdington, Birmingham, assignor of one-half to Birmingham Electric Furnaces Limited, Birmingham, England. Annealing and other heat-treatment furnaces. 2,031,270; Feb. 18.
Lockhead Hydraulic Brake Company. (See Boughton, Edward E., assignor.)
Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Welded steel engine. 2,030,995; Feb. 18.
Logan, William A., Kinghorn, Fife, Scotland. Attachment for mining machines. 2,031,431; Feb. 18.
Lombella, August, deceased, Westfield, Mass., J. L. Lombella, executor. Halter. 2,031,271; Feb. 18.
Lombella, John L., executor. (See Lombella, August.)
Lorso, Francis J. (See Loree, George S., assignor.)
Loree, George S., Hornell, N. Y., assignor to F. J. Loree, Hornell, N. Y. Milk bottle receptacle. 2,031,272; Feb. 18.
Lorimer, Henry W., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Battery terminal post. 2,031,378; Feb. 18.
Lounsberry and Harris. (See Wirick, Kirk G., assignor.)
Ludeman, Clifford G. (See Powers, H. F., and Ludeman.)
Lustig, Ruben B., Kansas City, Mo. Display apparatus. 2,030,996; Feb. 18.
Luttina, Ruth E. (See Miles, Arthur L., assignor.)
Lux, Heinz. (See Fetterowsky, E., and Lux.)
Macaulay, Joseph A., De Soto, Wis. Broadcast seeder. 2,031,540; Feb. 18.
MacClain, Albert L., Manchester, Conn., assignor, by mesne assignments, to United Aircraft Corporation. Engine cooling system. 2,031,541; Feb. 18.
Macklanburg, Louis A., Oklahoma City, Okla. Apparatus for and method of loading guns for dispensing viscid or semi-liquid materials. 2,031,496; Feb. 18.
Macomic Corporation. (See White, George H., assignor.)
Madison, Louis, Brooklyn, N. Y. Collar clasp. 2,030,997; Feb. 18.
Malley, Nelson F., Brooklyn, N. Y., assignor to Aluminum Alloys Welding Corporation. Spot-welding aluminum and aluminum alloys. 2,030,906; Feb. 18.
Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Precipitation of mixed esters of cellulose. 2,030,588; Feb. 18.
Maloney, George J., Long Beach, Calif. Beverage dispensing bottle. 2,031,173; Feb. 18.
Malseed, James R., Brooklyn, N. Y., J. T. Welsh, Ridgeway, Pa., and W. F. Keenan, Jr., Pelham Manor, assignors to Foster Wheeler Corporation, New York, N. Y. Power plant. 2,031,422; Feb. 18.
Manchester, Paul, Pawtucket, R. I. Extended electrical outlet. 2,031,542; Feb. 18.
Mann, William D., Highland Park, Ill. Building construction. 2,030,998; Feb. 18.
Marien, Charles A., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston packing ring. 2,030,927; Feb. 18.
Markley, Jonathan. (See Woodruff, M. D., Mechlin, and Markley.)
Marschalk, Frederick F., Augusta, Ga. Dental instrument. 2,031,273; Feb. 18.
Martin, Cecil. (See Hall, James E. L., assignor.)
Marvel, Carl S., Urbana, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fuel. 2,031,497; Feb. 18.
Mason, William H., assignor to Masonite Corporation, Laurel, Miss. Building construction. 2,031,568; Feb. 18.
Mason, William T., and H. J. Coleman, LaSalle, Ill., said Coleman assignor to said Mason. Bottle cap and sealing same. 2,030,884; Feb. 18.
Masonite Corporation. (See Mason, William H., assignor.)
Massini, Alvin A., Wheeling, W. Va. Apparatus for forming, folding, and banding paper stripe. 2,031,068; Feb. 18.
Mathieu, Eugene, Neuilly-sur-Seine, France. Carburetor. 2,031,379; Feb. 18.
Maul, Michael, Berlin-Johannisthal, Germany. Verifying machine for perforated records. 2,031,569; Feb. 18.
Maxim, Myles S., Somerville, Mass. Apparatus for burning sulphur. 2,030,885; Feb. 18.
Mazzocco, Dante V., assignor to Eureka Photo Mechanical Equipment, Inc., New York, N. Y. Registering apparatus. 2,031,221; Feb. 18.
Mazzocco, Dante V., assignor to Eureka Photo Mechanical Equipment, Inc., New York, N. Y. Machine for transferring designs. 2,031,222; Feb. 18.
McBurney, Willard B., Atlanta, Ga. Safety outlet closure for conveyers. 2,031,116; Feb. 18.
McCaa, David G., Philadelphia, Pa. Reducing electrical disturbances. 2,031,539; Feb. 18.
McCabe, Joseph J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens blocking device. 2,031,880; Feb. 18.
McCallum, Arthur, assignor to Fluko Products Corporation, New Brunswick, N. J. Composite packing. 2,031,381; Feb. 18.
McCarthy, Timothy F., Indiana, Pa. Sectional conveyer. 2,031,064; Feb. 18.
McClew, John W. (See Bates, F. T., and McClew.)
McCord Radiator & Mfg. Co. (See Tinkham, Guy L., assignor.)
McCray Refrigerator Company. (See Hopkins, George J., assignor.)

McDonald, Frank H., Pittsburgh, Pa. Electrical advertising sign. 2,030,886; Feb. 18.
McElroy, Roy H. (See Langenkamp, A. G., and McElroy.)
McKay, Robert C., Swampscott, Mass. Apparatus for cooling warm milk. 2,031,274; Feb. 18.
McKinney, Robert, Highland Park, assignor of one-third to L. H. Grimes, Highland Park, Mich. Air conditioning and refrigerating device. 2,031,055; Feb. 18.
McKissick, William H., Tulsa, Okla. Tubing catcher. 2,031,056; Feb. 18.
McLaughlin, Lawrence, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Ink. 2,030,999; Feb. 18.
McLaurin, William W., deceased, Brookfield, by Old Colony Trust Company, executor, Boston, Mass. Adhesively coated sheet material. 2,031,275; Feb. 18.
McMahon, Joseph J., assignor to Bridgeport Brass Company, Bridgeport, Conn. Flexible internal stop. 2,031,424; Feb. 18.
McQueen, Malcolm J., Toronto, Ontario, Canada. Stock-car partition. 2,031,382; Feb. 18.
Mechlin, William H. (See Woodruff, M. D., Mechlin, and Markley.)
Meco-Brenukraft-Maschinen G. m. b. H. (See Klockner, Ernst, assignor.)
Mellen, Joseph F., Providence, R. I. Safety razor. 2,031,223; Feb. 18.
Mendoza, Rafael, Mexico, D. F., Mexico. Machine gun bolt mechanism. 2,031,383; Feb. 18.
Mercier, Jean, Neuilly-sur-Seine, France. Damping device. 2,031,000; Feb. 18.
Merrill, David R., Long Beach, and P. Subkow, Los Angeles, assignors to Union Oil Company of California, Los Angeles, Calif. Dewaxing oil. 2,031,117; Feb. 18.
Merrill, David R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Process and apparatus for dewaxing oils. 2,031,118; Feb. 18.
Merryweather, James. (See Weber, G. G., and Merryweather.)
Mesner, Arthur J., et al. (See Stillwell, Charles W., assignor.)
Meunier, Christian J., and H. Bomboy, New Orleans, La. Bank protecting device. 2,031,543; Feb. 18.
Meyer, Carl W., assignor to Johns-Manville Corporation, New York, N. Y. Eyelet assembly. 2,031,325; Feb. 18.
Micro Corporation, The. (See Crimer, Harry J., assignor.)
Middaugh, John B., assignor, by mesne assignments, to Oppenheimer Casing Co., Chicago, Ill. Hydraulic press. 2,030,928; Feb. 18.
Midland Steel Products Company, The. (See Speed, John, assignor.)
Miles, Prentice M. (See Paul, M., and Gyr, assignors.)
Milk Processes, Inc. (See Wendt, Herman D., assignor.)
Miller, Durando, Pelham Manor, N. Y. Mortar mixer. 2,031,326; Feb. 18.
Miller, Fredrick A. (See Fortier, B. F., and Miller.)
Miller, Ray A., assignor to Simplicity Manufacturing Company, Port Washington, Wis. Boring machine. 2,031,173; Feb. 18.
Miller, William R., Passaic, N. J., assignor to R. F. Van Seggern, Maplewood, N. J. Heating unit. 2,031,498; Feb. 18.
Mills, George, Gordon, near Sydney, New South Wales, Australia. Gas pressure regulator. 2,031,174; Feb. 18.
Miner, W. H., Inc. (See Hasseltine, Stacy B., assignor.)
Mining Engineering Company, The. (See Moore, Matthew S., assignor.)
Mitchell, Robert W., Westmount, Quebec, Canada. Composite pipe and like structure. 2,031,057; Feb. 18.
Mitchell, Thomas A., Inglewood, and R. L. Sessions, Los Angeles, Calif., assignors, by mesne assignments, to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Making sodium and zinc sulphides. 2,030,887; Feb. 18.
Miyashita, Yoshiro, Seattle, Wash. Stool and auxiliary pedal for pianos. 2,030,929; Feb. 18.
Mock, Hugo, New York, N. Y. Combination grid and cover for ice trays. 2,031,276; Feb. 18.
Möller, Paul. (See Hagedorn, M., and Möller.)
Monarch Tool & Manufacturing Company, The. (See Hall, Louis M., assignor.)
Monowatt Electric Corporation. (See Bamander, George B., assignor.)
Moore, Anne M., Lancaster, S. C. Hair drying device. 2,031,001; Feb. 18.
Moore Drop Forging Company. (See Abbe, Earl C., assignor.)
Moore, Lee C., Tulsa, Okla. Oil field derrick post. 2,031,002; Feb. 18.
Moore, Matthew S., Malvern, assignor of one-half to The Mining Engineering Company, Limited, Worcester, England. Loading device for mining machines. 2,031,544; Feb. 18.
Moore, Ninian R., Du Bois, Pa. Grave covering apparatus. 2,031,175; Feb. 18.
Moreland, Robert E., Galveston, Tex. Combination stool and carrier. 2,031,119; Feb. 18.
Morgan, Everette K., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Machine tool. 2,030,888; Feb. 18.
Morgan, John S., Jr. (See Gillett, F. L., and Morgan.)
Morral, Samuel E., and W. W. Morral, Morral, Ohio. Corn husking machine. 2,031,277; Feb. 18.
Morral, William W. (See Morral, Samuel E. and W. W.)
Morris Paper Mills. (See Barnard, Earl W., assignor.)
Morton, Harold S., assignor to The Stott Stoker Company, St. Paul, Minn. Stoker controlling device. 2,031,120; Feb. 18.
Moser, Wilhelm, Riehen, and W. Floroni, Binningen, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Vat-dyestuffs of the anthraquinone series and making the same. 2,031,053; Feb. 15.
Motor Products Corporation. (See Lewellen, Chester L., assignor.)
Motor Terminals Company. (See Fitch, Benjamin F., assignor.)
Moullin, Eric B., Oxford, England, assignor to Radio Corporation of America. Thermionic oscillation generator. 2,031,324; Feb. 18.
Moulton, Harley C., Maplewood, assignor to Lewis Invisible Stitch Machine Company, St. Louis, Mo. Combined seaming and pinking machine. 2,031,545; Feb. 18.
Mousseau, Emile S., Ottawa, assignor to G. B. Jenkinson, Prescott, Ontario, Canada. Hose support. 2,031,378; Feb. 18.
Mueller, Ervin H., Detroit, Mich. Valve structure. 2,031,121; Feb. 18.
Mueller, Wilhelm, Gleiwitz, Germany. Furnace for roasting sulphurous ores. 2,031,122; Feb. 18.
Muench, William F., Chicago, Ill., assignor to International Harvester Company. Oil filter base. 2,031,327; Feb. 18.
Muhleisen, Karl, assignor to Schutte & Koerting Company, Philadelphia, Pa. Heat exchanger. 2,031,425; Feb. 18.
Mulford, Logan W., Long Island City, N. Y. Concealed skylight ventilation. 2,031,328; Feb. 18.
Muller, Robert A., Wellesley, Mass., assignor to Atlas Plywood Corporation, Boston, Mass. Machine for making drums, kegs, and the like. 2,031,570; Feb. 18.
Munroe, David, et al. (See Rhodin, Brodde E. F., assignor.)
Mutchler, Maurice E., Buffalo, N. Y. Head for internal combustion engines. 2,031,123; Feb. 18.
Natella, Matteo, Salerno, Italy. Transmission mechanism. 2,031,050; Feb. 18.
National Bearing Metals Corporation. (See Vigne, Albert, assignor.)
National Fuels Corporation. (See Berry, G. A., and Beardsley, assignors.)
National Pneumatic Company. (See Parvin, Edward G., assignor.)
National Radiator Corporation. (See Hunter, Louis N., assignor.)
National Superior Company, The. (See Gillett, F. L., and Morgan, assignors.)
National Superior Company, The. (See Spalding, John D., assignor.)
National Washboard Company. (See Oppermann, Kurt P., assignor.)
Negrotto, Sidney H., U. S. Army, Fort Benning, Ga. Mount for machine guns. 2,030,889; Feb. 18.
Neptune, John M., Rich Hill, Mo. Wire line drilling clamp. 2,031,003; Feb. 18.
Newman, William J., Chicago, Ill. Excavating machine. 2,031,279; Feb. 18.
News Projection Corporation. (See Spencer, James A., assignor.)
Newton, Roy C. (See Richardson, W. D., Grettie, and Newton.)
New York Air Brake Company, The. (See Silicox, Lewis K., assignor.)
Nicholson, Frederick. (See Peterman, T. A., and Nicholson.)
Nicholson, Lewis C., et al. (See Robinson, William A., assignor.)
Nickels, Will H., et al. (See Lane, Herald D. R., assignor.)
Niemann, Georg, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dimaso dyestuff. 2,031,426; Feb. 18.
Nilsson, Karl G. V., assignor to Aktiebolaget Svenska Kullagerfabriken, Gotoborg, Sweden. Sealed bearing. 2,031,571; Feb. 18.
Ninekirk, Chester P., Berkeley, Calif. Child's play vehicle. 2,031,176; Feb. 18.
Northrop Corporation, The. (See Northrop, John K., assignor.)
Northrop, John K., Los Angeles, assignor to The Northrop Corporation, Inglewood, Calif. Aircraft speed control. 2,031,177; Feb. 18.
Norton, Charles B., assignor to S. B. Dresser Manufacturing Company, Bradford, Pa. Adjustable repair clamp for bell and spigot joints. 2,031,499; Feb. 18.
Oberhoffken, Alexander, assignor to Ingersoll Milling Machine Company, Rockford, Ill. Control mechanism for machine tools and the like. 2,030,890; Feb. 18.
O'Donnell, Stella A., Brooklyn, N. Y. Finishing stencil. 2,031,125; Feb. 18.
Ogden, J. Edward, Company. (See Hungerford, Daniel C., assignor.)
Ohio Brass Company, The. (See Bovard, Floyd G., assignor.)

Ohio Brass Company, The. (See Taylor, John J., assignor.)
Ohio Match Company, The. (See Parker, Lucian E., assignor.)
Ohmer, John F., Dayton, assignor, by mesne assignments, to Central United National Bank, Cleveland, Ohio, as trustee. Printing odometer. 2,031,060; Feb. 18.
O'Key, Alfred R. (See Barnett, W., and O'Key.)
Old Colony Trust Company, executor. (See McLaurin, William W.)
Oliver, William B. J., Westmount, Quebec, Canada. Ski pole. 2,031,394; Feb. 18.
Olney, Benjamin, Brighton, assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Sound reproducing system. 2,031,500; Feb. 18.
Omnichrome Corporation. See von Fraunhofer, Hans, assignor.)
Oppenheimer Casing Co. (See Middaugh, John B., assignor.)
Oppermann, Kurt P., Saginaw, Mich., assignor to National Washboard Company, Chicago, Ill. Washboard. 2,031,178; Feb. 18.
Outline, John E., Berwyn, Ill., assignor to Automatic Electric Company, Limited, Liverpool, England. Automatic telephone system. 2,031,329; Feb. 18.
Otis Elevator Company. (See Hyman, Frederick, assignor.)
Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
Padelford, Lester E., and W. H. Rudolph, Buffalo, N. Y. Broiler or the like. 2,031,320; Feb. 18.
Page, Fred'k, Contracting Co., The. (See Vincent, Thomas C., Jr.)
Paper Patents Company. (See John, H., Le Febvre, and Du Bois.)
Papworth, Walter A., Grand Rapids, Mich., assignor, by mesne assignments, to Easy Washing Machine Corporation, Syracuse, N. Y. Centrifugal clothes drier. 2,031,427; Feb. 18.
Parfumerie St. Denis. (See Koenigsberger, Frans, assignor.)
Parker, Charles S., C. L. Wall, and F. Farrington, Bolton, England. Resist effects with azo dyestuffs. 2,031,546; Feb. 18.
Parker, Henry W., assignor to Rogers Radio Tubes, Limited, Toronto, Ontario, Canada. Electron discharge device. 2,030,930; Feb. 18.
Parker, Henry W., assignor to Rogers Radio Tubes, Ltd., Toronto, Ontario, Canada. Electron coupled thermionic oscillator. 2,030,931; Feb. 18.
Parker, Lucian E., assignor to The Ohio Match Company, Wadsworth, Ohio. Cover feeder for book match machines. 2,031,572; Feb. 18.
Parker Pen Company, The. (See Tefft, Ivan D., assignor.)
Parks, Paul B. (See Smith, W. M., Parks, and Russell.)
Parvin, Edward G., Roselle, assignor to National Pneumatic Company, Rahway, N. J. Door operator. 2,031,220; Feb. 18.
Paul, Max, and W. Gyr, assignor of one-third to P. M. Miles, Stockton, Calif. Fluid control valve for vacuum brake systems. 2,031,061; Feb. 18.
Payne, William H., assignor to The American Rolling Mill Company, Middletown, Ohio. Rolling mill roll, making same, and product of such roll. 2,030,891; Feb. 18.
Peabody, Charles G., and R. W. Roberts, Portland, Oreg. Automatic parking brake. 2,031,062; Feb. 18.
Pearce, Charles F., Jr. (See Perlese, H., and Pearce.)
Peco Manufacturing Corporation. (See Errig, W. F., and Pfundt, assignors.)
Pelipets, Michail G., assignor of one-half to P. I. Doodchenko, New York, N. Y. Match manufacturing. 2,030,892; Feb. 18.
Penn Electric Switch Co. (See Persons, Lawrence M., assignor.)
Penn Electric Switch Co. (See Rubel, Abraham L., assignor.)
Pennebaker, Robert H., New Orleans, La. Cylinder head. 2,030,893; Feb. 18.
Pennebaker, Robert H., New Orleans, La. Cylinder head. 2,030,894; Feb. 18.
Penning, Frans M., Eindhoven, Netherlands, assignor to Radio Corporation of America. Photoelectric tube. 2,031,331; Feb. 18.
Pennsylvania Optical Co. (See Essick, Charles R., assignor.)
Perlese, Hugo, Chicago, and C. F. Pearce, Jr., Glencoe, assignors to Burton-Dixie Corporation, Chicago, Ill. Chaise longue. 2,031,124; Feb. 18.
Persons, Lawrence M., assignor to Penn Electric Switch Co., Des Moines, Iowa. Control device. 2,030,932; Feb. 18.
Persons, Lawrence M., assignor to Penn Electric Switch Co., Des Moines, Iowa. Magnet switch. 2,030,933; Feb. 18.
Persons, Lawrence M., assignor to Penn Electric Switch Co., Des Moines, Iowa. Spraying device. 2,030,934; Feb. 18.
Peschl, Frank A., Jackson Heights, assignor to Erospha, Inc., New York, N. Y. Spherical machine. 2,031,125; Feb. 18.
Peschl, Frank A., Jackson Heights, assignor to Erospha, Inc., New York, N. Y. Spherical machine. 2,031,126; Feb. 18.
Pessi, Thomas, Raritan, N. J. Continuous machine for printing floor and wall coverings. 2,031,066; Feb. 18.
Peterman, Theodore A., and F. Nicholson, Tacoma, Wash., said Nicholson assignor to said Peterman. Panel chamfering machine. 2,031,358; Feb. 18.
Peterson, Conrad E., Malden, Mass., assignor to De Long Gum Co., Boston, Mass. Machine for use in the manufacture of chewing gum. 2,031,578; Feb. 18.
Pevere, Ernest F., Beacon, and C. G. Ludeman, Fishkill, assignors to The Texas Company, New York, N. Y. Lubricating oils. 2,031,227; Feb. 18.
Peycke, Armand H., Kenilworth, assignor to American Steel Foundries, Chicago, Ill. Brake head arrangement. 2,031,127; Feb. 18.
Pfaff, Georg, Breslau, Germany, assignor to Vereinigte Zünder-und Kabelwerke A.-G., Meissen/Sachsen, Germany. Electric power transmission system. 2,030,938; Feb. 18.
Pfundt, George M. (See Errig, W. F., and Pfundt.)
Pickop, George B., New Haven, Conn. Vibrator. 2,030,938; Feb. 18.
Pinkerton Folding Box Co. (See Roe, Frank L., assignor.)
Pneumercator Company. (See Thomas, William, assignor.)
Pollack, Joseph O., Chicago, Ill. Cravat holder. 2,031,004; Feb. 18.
Pollon, Joseph F. (See Young, W. G., Hansen, and Pollon.)
Ponting, Leonard C., and A. G. Kliwer, Abilene, Kans. Elevator bucket. 2,031,064; Feb. 18.
Porter, Kenneth E., Shaker Heights, Ohio. Reel. 2,031,501; Feb. 18.
Posthumus, Klaas, and B. van der Pol, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Antenna. 2,031,065; Feb. 18.
Powdereo Inc. (See Van Law, Dustin, assignor.)
Powell, Ellis G., Michigan City, Ind., assignor to C. A. Dunham Company, Marshalltown, Iowa. Electrical controller. 2,031,502; Feb. 18.
Premier Bed & Spring Company. (See Smith, Arthur M., assignor.)
Pyridium Corporation, The. (See Renshaw, R. R., Tims, and Ducsel, assignors.)
Quisling, Sverre, Madison, Wis., assignor to Hookless Fastener Company, Meadville, Pa. Making slide fasteners. 2,030,895; Feb. 18.
Radio Corporation of America. (See Dowding, George V., assignor.)
Radio Corporation of America. (See Engel, Francis E., assignor.)
Radio Corporation of America. (See Geffcken, H., and Richter, assignors.)
Radio Corporation of America. (See George, Ralph W., assignor.)
Radio Corporation of America. (See Horowitz, A., and Visman, assignors.)
Radio Corporation of America. (See Mcullin, Eric B., assignor.)
Radio Corporation of America. (See Penning, Frans M., assignor.)
Radio Corporation of America. (See Posthumus, K., and van der Pol, assignors.)
Radio Corporation of America. (See Shore, Henry, assignor.)
Radio Corporation of America. (See Smith, S. B., and Eckersley, assignors.)
Radio Corporation of America. (See Straub, Anthony A., assignor.)
Radio Corporation of America. (See Thompson, Leland E., assignor.)
Radio Corporation of America. (See Wells, N., and Green, assignors.)
Radio Corporation of America. (See Wright, G. M., and Brett, assignors.)
Raduner & Co. A.-G. (See Bener, Christian, assignor.)
Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Boat hull structure. 2,031,428; Feb. 18.
Railway Track-work Co., The. (See Reagan, Thomas J., assignor.)
Raines, Arnold, Brooklyn, N. Y. Electrolytic condenser and making the same. 2,031,128; Feb. 18.
Rainey, Alexander G., London, England. Light-sensitive cell control mechanism. 2,031,503; Feb. 18.
Ramsdell, Thomas S., Great Barrington, Mass. Automatic lap doffer. 2,031,065; Feb. 18.
Ramsey Accessories Manufacturing Corporation. (See Marien, Charles A., assignor.)
Rapisarda, Edward D., Arawam, Mass. Printing and depositing mechanism. 2,031,396; Feb. 18.
Raschig, Dr. F., G. m. b. H. (See Raschig, Klaus, assignor.)
Raschig, Klaus, assignor to Dr. F. Raschig G. m. b. H., Ludwigshafen-on-the-Rhine, Germany. Evaporating aqueous hydrochloric acid. 2,031,179; Feb. 18.
Rauen, Carl F., Grosse Pointe, and A. M. Kilpela, Detroit, Mich., assignors, by mesne assignments, to Borg-Warner Corporation. Automatic transmission. 2,031,087; Feb. 18.
Reagan, Thomas J., Scranton, assignor to The Railway Track-work Co., Philadelphia, Pa. Derailing device. 2,031,574; Feb. 18.
Reed, C. A., Company. (See Burgard, Margaret A., assignor.)
Reed, Leslie D., assignor to Columbian Rope Company, Auburn, N. Y. Abrasive supporting pad and making the same. 2,031,230; Feb. 18.
Rehling, Clifford A., assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator door. 2,031,068; Feb. 18.
Reichmann, Reinhold, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Incandescent igniter. 2,030,937; Feb. 18.
Reichmann, Reinhold, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Making shaped bodies of semiplastic metallic oxides. 2,031,129; Feb. 18.
Reilly, John H., assignor to The Dow Chemical Company, Midland, Mich. Production of alkyl halides. 2,031,721; Feb. 18.
Reiter, Herman, Brooklyn, N. Y. Ryelet socket. 2,031,429; Feb. 18.
Renfroe, Daniel J., Thomasville, Ga. Machine for inserting bottles, etc., into tight fitting bags. 2,031,006; Feb. 18.
Renshaw, Rasmus R., New York, and R. T. Tims, and B. F. Ducsel, Yonkers, assignors to The Pyridium Corporation, Nepera Park, N. Y. Medicinal amo compounds. 2,030,894; Feb. 18.
Renshaw, Rasmus R., New York, and R. T. Tims, and B. F. Ducsel, Yonkers, assignors to The Pyridium Corporation, Nepera Park, N. Y. Medicinal manoano compounds. 2,030,897; Feb. 18.
Resinous Products & Chemical Co., The. (See Brusen, Herman A., assignor.)
Reuther, John, East Aurora, N. Y. Potato planter. 2,013,547; Feb. 18.
Reynolds, Joseph H. (See Blackwood, William C., assignor.)
Rheem Manufacturing Company. (See Evans, Llewellyn W., assignor.)
Rheem Manufacturing Company. (See Rheem, Richard K., assignor.)
Rheem, Richard K., Oakland, Calif., assignor to Rheem Manufacturing Company, Container fitting. 2,031,351; Feb. 18.
Rhodin, Brodde B. F., Caldwell, N. J., assignor of one-half to A. H. Chitty, Sault Ste. Marie, Ontario, Canada, and one-half to D. Munroe, Belleville, N. J. Manufacture of sulphur dioxide. 2,031,504; Feb. 18.
Rich, Ronald U., Teaneck, N. J., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 2,030,933; Feb. 18.
Richardson, William D., D. P. Grattie, and R. C. Newton, assignors to Swift & Company, Chicago, Ill. Stabilization of oils and fats. 2,031,009; Feb. 18.
Richter, Hans. (See Geffcken, H., and Richter.)
Rick, Edward L. (See Robinson, R. R., and Rick.)
Riise, John, Doylestown, Ohio. Gaseous fuel mixing valve. 2,031,332; Feb. 18.
Rison, Carey O., Oklahoma City, assignor of one-half to Indian Territory Illuminating Oil Company, Bartlesville, Okla. Container for explosives. 2,031,505; Feb. 18.
Ritter, Harry V., New York, N. Y. Handbag. 2,031,506; Feb. 18.
Roberts, James A., Douglas, Ga. Automobile door locking mechanism. 2,031,251; Feb. 18.
Roberts, Richard W. (See Peabody, C. G., and Roberts.)
Robinson, Joseph, New York, N. Y. Vaporizer. 2,030,888; Feb. 18.
Robinson, Robert R., and E. L. Rick; said Rick assignor to W. D. Howe, Los Angeles, Calif. Metal coated article and manufacture thereof. 2,031,070; Feb. 18.
Robinson, William A., Oakland City, assignor of fifty-one per cent to L. C. Michelson, J. O. Boeshaum, Indianapolis, W. W. Rogers, H. C. VanHook, Princeton, and W. H. Baugh, Terre Haute, Ind. Internal combustion engine and automatic control therefor. 2,030,889; Feb. 18.
Rockwell, Edward A., Chicago, Ill. Fuel feeding system. 2,031,282; Feb. 18.
Rodier, Waldo E. (See Cheate, R. H., and Rodier.)
Roe, Frank L., assignor to Pinkerton Folding Box Co., Chicago, Ill. Folding box. 2,031,575; Feb. 18.
Roehrl, Bruno C., assignor to Agfa Ansco Corporation, Binghamton, N. Y. Photographic copying apparatus 2,031,071; Feb. 18.
Rogers, Edmund. (See Werder, John F., assignor.)
Rogers Radio Tubes, Ltd. (See Parker, Henry W., assignor.)
Rogers, Thomas H., and V. Voorhees, Hammond, Ind., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Motor fuel products. 2,030,940; Feb. 18.
Rogers, William W., et al. (See Robinson, William A., assignor.)
Rohnfeld, Johannes, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Short wave-long wave receiver. 2,031,130; Feb. 18.
Rollason, Charles H., assignor to Boyle Manufacturing Company, Inc., Los Angeles, Calif. Paper pail. 2,031,096; Feb. 18.
Romine, John A. (See Romine, John A., and J. M.)
Romine, John A., and J. M. Romine, Etna Green, Ind. Plowshare. 2,031,548; Feb. 18.
Ronning, Adolph, and A. G. Ronning, deceased, by A. and J. A. Ronning, executors, Minneapolis, Minn., assignors to International Harvester Company. Tractor axle extension. 2,031,333; Feb. 18.
Ronning, Andreas G. (See Ronning, Adolph, and A. G.)
Ronning, Jacob A., et al., executors. (See Ronning, and A. G.)
Rosebaum, John O., et al. (See Robinson, William A., assignor.)
Rosenberg, Harry M. (See Eck, H. P., I. B., and H. M. Rosenberg, and Fleer.)
Rosenberg, Harry M. (See Eck, H. P., I. B., and H. M. Rosenberg, and Fleer.)
Rosenstein, Hans O., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Signaling. 2,031,072; Feb. 18.
Rosenthal, Joseph J. (See Lebel, Louis, assignor.)
Roth, Herman, Larchmont, N. Y. Tag. 2,031,229; Feb. 18.
Rothenberg, Harry, West Norwood, N. J., assignor to H. Hyman, Brooklyn, N. Y. Electric candle. 2,031,507; Feb. 18.
Rubel, Abraham L., assignor to Penn Electric Switch Co., Des Moines, Iowa. Electric control apparatus for fuel burners. 2,030,941; Feb. 18.
Rudolph, Walter H. (See Padelford, L. E., and Rudolph.)
Ruff, Seymour W., Baltimore, Md. Crane. 2,031,549; Feb. 18.
Rüsberg, Friedrich, Berlin-Niederschoneweide, assignor to Kali-Chemie Aktiengesellschaft, Berlin, Germany. Making water soluble barium salts and hydrogen peroxide. 2,031,180; Feb. 18.
Russell, Edward A. (See Smith, W. M., Parks, and Russell.)
Rustless Iron and Steel Corporation of America. (See Felid, Alexander L., assignor.)
Rystrom, Charles H. (See Wahlmark, Gunnar A., assignor.)
Saathoff, George W., South Orange, N. J., assignor to Doherty Research Company, New York, N. Y. Heating and cooling unit for buildings. 2,031,576; Feb. 18.
Safford, Truman S., Harrison, N. Y. Refrigeration apparatus. 2,030,942; Feb. 18.
Sager, John W. (See Hofstetter, R., and Sager.)
Schädlein, Karl, Bern, Switzerland. Driving device for a machine for casting stereotype plates. 2,031,131; Feb. 18.
Schädlein, Karl, Bern, Switzerland. Machine for casting stereotype plates and the like. 2,031,132; Feb 18.
Scharian, Hans, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Direction finder compensator for direct reading of true bearings. 2,031,073; Feb. 18.
Scheibell, Gordon B., Newark, N. J. Automatic program system. 2,031,074; Feb. 18.
Scheibell, Gordon B., New York, N. Y. Selective program system. 2,031,075; Feb. 18.
Schlegel, Alfred A. (See Grant, R. S., and Schlegel.)
Schlette, Richard, North Wales, Pa. Thread tensioning attachment for textile machines. 2,031,480; Feb. 18.
Schmidt, Paul, assignor to Textile Machine Works, Wyomissing, Pa. Fabric take-off mechanism for knitting machines. 2,030,944; Feb. 18.
Schrottke, Franz, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Pressure compensator for oil- or compound-filled cables. 2,030,943; Feb. 18.
Schuls, Walter F., assignor to Truscon Steel Company, Youngstown, Ohio. Grid or grating. 2,031,007; Feb. 18.
Schumacher, Elmer L., et al. (See Stillwell, Charles W., assignor.)
Schümann, Robert, Düsseldorf, Germany. Electric hand tool. 2,031,132; Feb. 18.
Schutte & Koerting Company. (See Muhleisen, Karl, assignee.)
Schwarz, Arthur, Berlin, Germany. Nozzle. 2,031,387; Feb. 18.
Schweizerische Industrie-Gesellschaft. (See End, G., and Gaehr, assignors.)
Schwerak, Joseph J., assignor to Bohm Aluminum & Brass Corporation, Detroit, Mich. Apparatus for extruding metal. 2,031,008; Feb. 18.
Scofield, Theodore J., assignor to The Sparks-Withington Company, Jackson, Mich. Refrigerator. 2,031,283; Feb. 18.
Scott, Elmo C., St. Louis, Mo. Battery holder. 2,031,508; Feb. 18.
Scott, Richard H. (See Gorse, W. F., and Scott.)
Scurlock, Lewis H., Chicago, Ill. Food container unit. 2,030,890; Feb. 18.
Security Grinding Wheel Co. (See Goodhue, Julian G., assignor.)
Seeger Refrigerator Company. (See Rehling, Clifford A., assignor.)
Seeley, Harold T., Lansdowne, Pa., assignor to General Electric Company. Electric control means. 2,031,509; Feb. 18.
Self Lifting Piano Truck Company. (See Lea, Dudley L., assignor.)
Senabar, Jacob R., Chicago, Ill. Dredging apparatus. 2,031,388; Feb. 18.

Seraphin, Theophilus A., Philadelphia, Pa. Field standard for testing liquid measuring devices. 2,031,230; Feb. 18.
Sessions, Royal L. (See Mitchell, T. A., and Sessions.)
Severson, Ole, Shelton, Conn., assignor to The Apex Tool & Cutter Company, Inc. Offset side supported tool holder. 2,031,334; Feb. 18.
Sewick, Frank, assignor to The Chicago Daily News, Inc., Chicago, Ill. Controlling delivery fan. 2,031,156; Feb. 18.
Shagrin, Seymour. (See Stewart, R. M., and Shagrin.)
Shattuck, Owen M., and M. E. Fulk, Piqua, Ohio, said Shattuck, assignor to said Fulk. Electric oscillator. 2,031,076; Feb. 18.
Sheet Polarizer Company. (See Land, Edwin H., assignor.)
Shepherd, George C., Jr., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Quenching oils. 2,031,431; Feb. 18.
Sheridan, T. W. & C. E., Company. (See Kleinberg, Paul E., assignor.)
Sherman, Ray. (See Jensen, L., and Sherman.)
Shields, Peter. (See Hart, Charles, assignor.)
Shoe Lace Company. (See Titcomb, William S., assignor.)
Shookhoff, Leah. (See Stern, L., and Shookhoff.)
Shore, Henry, Elizabeth, N. J., assignor to Radio Corporation of America. Facsimile system. 2,031,134; Feb. 18.
Sickerdot, Dietz, Philadelphia, Pa. Hosiery toe fabric. 2,031,442; Feb. 18.
Siemann, John C. (See Church, W. H., Hyman, and Siemann.)
Siemens & Halske, Aktiengesellschaft. (See Reichmann, Reinhold, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Schrottke, Franz, assignor.)
Silcox, Lewis E., Watertown, N. Y., assignor to The New York Air Brake Company, Sander. 2,031,000; Feb. 18.
Simjian, Luther G., New Haven, Conn. Automatic positive paper developing apparatus. 2,031,010; Feb. 18.
Simms Motor Units Limited. (See Attwood, Stanley H., assignor.)
Simplex Heating Specialty Company. (See Wiley, Edgar C., assignor.)
Simplicity Manufacturing Company. (See Miller, Ray A., assignor.)
Sinclair, Harold. (See Baumann, K., and Sinclair.)
Singer Manufacturing Company, The. (See Goodman, Herbert J., assignor.)
Sirian Lamp Company. (See Harding, Robert, Jr., assignor.)
Slater Mills, Inc. (See Burton, Harry H., assignor.)
Sloyan, Jerome J., Red Bank, N. J. Control for heat generators. 2,031,335; Feb. 18.
Smilack, Jacob, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,031,550; Feb. 18.
Smith, Alexander, & Sons Carpet Company. (See Barrett, Charles R., assignor.)
Smith, Arthur D., Park Ridge, Ill. Cracking treatment of hydrocarbons. 2,031,336; Feb. 18.
Smith, Arthur M., Oakland, assignor to Premier Bed and Spring Company, Inc., San Francisco, Calif. Adjustable drop-side for cribs. 2,031,284; Feb. 18.
Smith, Charles W., Grand Rapids, Mich. Lathe. 2,031,125; Feb. 18.
Smith, Francis M., Ashland, Ohio. Truck. 2,031,181; Feb. 18.
Smith, Grover C., Los Angeles, Calif. Packed, flexible, conduit joint. 2,031,389; Feb. 18.
Smith, Harold. (See Willshaw, H., Smith, and Davenport.)
Smith, John H., Camp Hill, Pa. Incandescent lamp. 2,031,182; Feb. 18.
Smith, Manville D., New York, N. Y. Collapsible wire article. 2,031,231; Feb. 18.
Smith, Sidney B., Chelmsford, and T. L. Eckersley, Weathcroak, Danbury, England, assignors to Radio Corporation of America. Wireless direction finding, bearing finding, and similar system. 2,031,077; Feb. 18.
Smith, William M., Chicago, P. B. Parks, Oak Park, and E. A. Russell, Chicago, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Control switch mechanism. 2,030,945; Feb. 18.
Sneed John, Grosse Pointe Shores, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, trustee for Steeldraulic Brake Corporation, Detroit, Mich. Brake. 2,031,390; Feb. 18.
Société Anonyme pour les Applications de l'Electricite & des Gaz Rares Etablissements Claude-Paz & Silva. (See Bethenod, J., and Claude, assignors.)
Société Anonyme pour les Applications de l'Electricité et des Gaz Rares Etablissements Claude-Paz & Silva. (See Claude, André, assignor.)
Society of Chemical Industry in Basle. (See Ackermann, Frans, assignor.)
Society of Chemical Industry in Basle. (See Graenacher, C., and Ackermann, assignors.)
Society of Chemical Industry in Basle. (See Landolt, Albert, assignor.)
Society of Chemical Industry in Basle. (See Moser, W., and Fioroni, assignors.)
Solomon, Nathan L., Brooklyn, N. Y. Hair curler. 2,031,283; Feb. 18.
Solon, Edwin M., Chicago, Ill. Package of matches. 2,031,011; Feb. 18.
Sonnenburg, Clarence N., Baltimore, Md. Putty-box. 2,031,163; Feb. 18.
Sorensen, Albert, Washington, D. C. Heater. 2,031,551; Feb. 18.
Sosso, Giulio, Turin, Italy. Ammunition loading device with chain conveyer for small-arms. 2,031,443; Feb. 18.
Southern Kraft Corporation. (See Kendell, Henry, assignor.)
Spalding, John D., Los Angeles, Calif., assignor, by mesne assignments, to The National Superior Company, Toledo, Ohio. Rotary swivel. 2,031,287; Feb. 18.
Sparks-Withington Company, The. (See Scofield, Theodore J., assignor.)
Spellmeyer, Erwin F., East Orange, N. J. Aging alcoholic beverages. 2,031,282; Feb. 18.
Spencer, James A., Teaneck, N. J., assignor to Mess Projection Corporation, New York, N. Y. Quotation projecting or analogous apparatus. 2,030,900; Feb. 11.
Sperry, Philmore F., Chicago, Ill., assignor to Elicel Auto Radiator Company, East orchange apparatus. 2,031,512; Feb. 18.
Sperry Products, Inc. (See Drake, Harcourt C., assignor.)
Spielman, Milton H., Cuyahoga Falls, assignor to The Black & Decker Electric Company, East, Ohio. Hat gun. 2,031,501; Feb. 18.
Spiess, Georg, Leipzig, Germany. Sheet separating and feeding device. 2,031,078; Feb. 18.
Spiller, George A., Columbus, Ohio. Brake lost. 2,031,184; Feb. 18.
Standard Oil Company (Indiana). (See Yeatz, Merril A., assignor.)
Standish, John C., Rensselaer, N. Y. Blanket. 2,031,003; Feb. 18.
Staples, Horace A., Plainfield, N. J., assignor to Habirshaw Cable and Wire Corporation, New York, N. Y. Machine for making electrical cables. 2,031,014; Feb. 18.
Starrett, L. S., Company, The. (See Gislow, Harry C., assignor.)
Stand, Cyril J. (See Fallows, G. E., and Stand.)
Steeldraulic Brake Corporation. (See Sneed, John.)
Steimel, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron discharge tube and circuit arrangement. 2,031,127; Feb. 18.
Stephenson, Arlington W., assignor, by mesne assignments to Lennart Company, San Francisco, Calif. Planographic printing plate and process. 2,031,135; Feb. 18.
Stern, Isaac, and L. Shookhoff, Brooklyn, N. Y., said Shookhoff assignor to said Stern. Conductor reel. 2,031,496; Feb. 18.
Stern, Joel N., Alsten, and H. R. Larson, Amal, Sweden. Planet wheel gearing. 2,031,286; Feb. 18.
Stevens, Carl A., Carrollton, Ohio, assignor to The Carrollton Metal Products Company. Wire clip and handle. 2,031,577; Feb. 18.
Stevenson, James H., Los Angeles, Calif. Child's wheeled vehicle. 2,031,015; Feb. 18.
Stewart, Earl M., and S. Shagrin, Youngstown, Ohio. Arc hand heel support. 2,031,516; Feb. 18.
Still, Andrew L., Los Angeles, Calif. Automatic brake. 2,031,186; Feb. 18.
Stillwell, Charles W., Framingham, Mass., assignor to A. J. Messmer, Rochester, N. Y., and R. L. Schumacher, Southbridge, Mass. Container. 2,031,288; Feb. 18.
Stokes, George, Long Beach, Calif. Time switch mechanism. 2,031,187; Feb. 18.
Stoltenburg, Louis, Oakland, Calif. Window sash. 2,031,338; Feb. 18.
Stone, Mandel, Chicago, Ill. Locking a door. 2,031,502; Feb. 18.
Stone, Sam, Seattle, Wash. Propelling pleasure boats. 2,031,389; Feb. 18.
Storey, Norman C., and F. R. Hassee, Hunslet, Leeds, England. Rotary tilling machine. 2,031,186; Feb. 18.
Stott Stoker Company, The. (See Morton, Harold S., assignor.)
Strain, Daniel E., assignor to Du Pont Viscoloid Company, Wilmington, Del. Depolymerizing alpha substituted acrylic acid esters. 2,030,901; Feb. 18.
Strand, Harold P. (See Walker, H. A., and Strand.)
Straub, Anthony A., St. Mary's, Pa., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Cathode heating element for thermionic tubes. 2,031,240; Feb. 18.
Streychmans, Hector J., New York, assignor, by mesne assignments, to Automotion Pictures, Inc., New York, N. Y. Device for the rewinding of photographic film. 2,031,079; Feb. 18.
Stromberg-Carlson Telephone Manufacturing Company, The. (See Olney, Benjamin, assignor.)
Stromberg, Martin L., Marshfield, Oreg. Nutcracker. 2,031,189; Feb. 18.
Stumpf, John H., West Forrest Hills, N. Y., assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring. 2,031,341; Feb. 18.
Subkow, Philip. (See Merrill, D. R., and Subkow.)
Sullivan Machinery Company. (See Gartin, Elmer S., assignor.)
Sullivan, Peter E., Randolph, Mass. Shoe heel. 2,031,511; Feb. 18.

Sutherland, Daniel M., Jr., Morrisville, Pa. Manufacture of fiber products. 2,030,946; Feb. 18.
Sutherland, William F., and G. G. Waite, Toronto, Ontario, Canada. Meter for indicating ratio of fluid fuel consumption to engine speed. 2,031,192; Feb. 18.
Swann Research, Incorporated. (See Booth, Charles F., assignor.)
Swanson, Ralph W., Mount Pleasant, Mich. Wall table. 2,031,287; Feb. 18.
Swedeland, Adolf, Toledo, Ohio. Tin cutter. 2,031,190; Feb. 18.
Swedeland, Adolf, Chicago, Ill. Paring knife. 2,031,191; Feb. 18.
Swift, Claude E. (See Dillon, L., and Swift.)
Swift, Claude E., Glendale, assignor to Union Oil Company of California, Los Angeles, Calif. Fractionation of mineral oil. 2,031,254; Feb. 18.
Swift & Company. (See Richardson, W. D., Grettie, and Newton, assignors.)
Swift, George W., Jr., Bordentown, assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Cut-off machine. 2,031,512; Feb. 18.
Swift, George W., Jr., Inc. (See Swift, George W., Jr., assignor.)
Syndergaard, Anton W., Copenhagen, Denmark. Tank for storage of liquids, especially hydrocarbons. 2,031,553; Feb. 18.
Taborsky, Frank G., Bellwood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for testing electrical devices. 2,031,016; Feb. 18.
Tarbox, Leslie E., North Reading, Mass. Lighting device for automobiles. 2,031,543; Feb. 18.
Taylor, Edward H., Oak Park, Ill. Welding. 2,031,138; Feb. 18.
Taylor, Eugene S., Chicago, Ill. Parking apparatus. 2,031,292; Feb. 18.
Taylor, John J., Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio. Support for conductors. 2,031,535; Feb. 18.
Taylor, John J., Wadsworth, assignor to The Ohio Brass Company, Mansfield, Ohio. Cable clamp. 2,031,296; Feb. 18.
Tefft, Ivan D., assignor to The Parker Pen Company, Janesville, Wis. Fountain pen. 2,031,543; Feb. 18.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Futterewsky, B., and Lax, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hoegner, Kurt, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hollmann, Hans E., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kühle, Wilhelm E., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rohnfeld, Johannes, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Roosenstein, Hans O., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Scharlau, Hans, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Steimel, Karl, assignor.)
Terry, Matson C., Detroit, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,031,237; Feb. 18.
Tevis, Robert, New York, N. Y. Keyboard. 2,031,017; Feb. 18.
Texas Company, The. (See Powers, E. F., and Ludeman, assignors.)
Texas Gulf Sulphur Company. (See Bencowitz, Isaac, assignor.)
Textile Machine Works. (See Bitzer, Gottlob, assignor.)
Textile Machine Works. (See Kalbach, Samuel E., assignor.)
Textile Machine Works. (See Schmidt, Paul, assignor.)
Thermopane Company, The. (See Haven, Charles D., assignor.)
Thomas, William, Bogota, N. J., assignor to Pneumercator Company, New York, N. Y. Viscosity regulator. 2,031,018; Feb. 18.
Thomasma, Harry, Grand Rapids, Mich. Doorlock. 2,031,344; Feb. 18.
Thompson, Charles S., Elmhurst, assignor to Union Special Machine Company, Chicago, Ill. Felling machine for seaming fabric sections. 2,031,193; Feb. 18.
Thompson, Howard E., San Francisco, Calif. Building block. 2,031,194; Feb. 18.
Thompson, Howard E., San Francisco, Calif. Toy locomotive, train, and track. 2,031,195; Feb. 18.
Thompson, Leland R., Audubon, N. J., assignor to Radio Corporation of America. Automatic volume control arrangement. 2,031,238; Feb. 18.
Thompson, William G., Wembley, assignor to The General Electric Company Limited, London, England. Electrode arrangement for controlling electric arcs. 2,031,435; Feb. 18.
Thomsen, Alfred M., San Francisco, Calif. Utilization of sugarcane bagasse. 2,031,536; Feb. 18.
Thormeyer, Hans, Berlin, Germany. Turbine-driven vessel. 2,031,486; Feb. 18.
Thorn, Charles C., Camden, N. J. Railway switch mechanism. 2,031,513; Feb. 18.
Thumim, Carl, Philadelphia, Pa., assignor to General Electric Company. Electric circuit interrupter. 2,031,514; Feb. 18.
Tinkham, Guy L., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Tray making apparatus. 2,031,345; Feb. 18.
Tinkham, Guy L., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Ice tray. 2,031,515; Feb. 18.
Tirabasso, Michial A., Cleveland, Ohio. Vehicle jack. 2,031,393; Feb. 18.
Tims, Edmond T. (See Renshaw, R. R., Tims, and Ducmel.)
Titcomb, William S., Andover, assignor to Shoe Lace Company, Boston, Mass. Braid. 2,030,947; Feb. 18.
Toledo Scale Manufacturing Company. (See Walix, Foster V., assignor.)
Torchet, Pierre J. M., St. Jean de Maurienne, assignor to "Compagnie de Produits Chimiques et Electro-métallurgiques Alais, Froges et Camarque", Paris, France. Recovery of the gases and dust evolved in the electrolytic manufacture of aluminium. 2,031,554; Feb. 18.
Trans-Lux Daylight Picture Screen Corporation. (See Bowen, Lester W., assignor.)
Trevaskis, Henry. (See Goodyear, E. F., Wright, and Trevaskis.)
Tripp, John P., Montreal, Quebec, Canada. Electric arc welding apparatus. 2,031,288; Feb. 18.
Tritle, John F., Erie, Pa., assignor to General Electric Company. Circuit controller. 2,031,516; Feb. 18.
Truscon Steel Company. (See Schula, Walter F., assignor.)
Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)
Union Carbide and Carbon Corporation. (See Baur, Karl, assignor.)
Union Oil Company of California. (See Blount, Arthur L., assignor.)
Union Oil Company of California. (See Bray, Ulric B., assignor.)
Union Oil Company of California. (See Dillon, L., and Swift, assignors.)
Union Oil Company of California. (See Fisher, Harmon F., assignor.)
Union Oil Company of California. (See Hopper, Basil, assignor.)
Union Oil Company of California. (See Merrill, David R., assignor.)
Union Oil Company of California. (See Merrill, D. R., and Subkow, assignors.)
Union Oil Company of California. (See Shepherd, George C., Jr., assignor.)
Union Oil Company of California. (See Swift, Claude E., assignor.)
Union Special Machine Company. (See Thompson, Charles S., assignor.)
Union Switch & Signal Company. (See Kemmerer, Ralph E., assignor.)
United Aircraft Corporation. (See MacClain, Albert L., assignor.)
United Autographic Register Co. (See Jensen, Louis, assignor.)
United-Carr Fastener Corporation. (See Jones, Walter I., assignor.)
United Engineering & Foundry Company. (See Biggert, Florence C., Jr., assignor.)
United Gas Improvement Company. (See Fulweiler, Walter H., assignor.)
United Kingdom Optical Company. (See Culver, E., and Emerson, assignors.)
United Shoe Machinery Corporation. (See Barnett, W., and O'Key, assignors.)
United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
United Shoe Machinery Corporation. (See Haas, Otto R., assignor.)
United Shoe Machinery Corporation. (See Lancaster, John T., assignor.)
United Shoe Machinery Corporation. (See Williams, E. A., and Berger, assignors.)
United States Envelope Company. (See Goder, Max, assignor.)
United States Gypsum Company. (See Linsell, Harry K., assignor.)
Universal Products Co., The. (See Ketcham, F., and Dunn, assignors.)
Ury, Matthew, Bronx, N. Y. Controlling apparatus for automobile engines. 2,031,139; Feb. 18.
Utah Radio Products Company. (See Dumke, Willy, assignor.)
Van Brunt, Harry D., Los Angeles, Calif. Brake. 2,031,517; Feb. 18.
Van Deest, Walter J., Los Angeles, Calif. Toy. 2,031,240; Feb. 18.
Vander Kraats, Nicholas C., New Brunswick, N. J. Plant marker. 2,031,394; Feb. 18.
Van der Pol, Balthasar. (See Posthumus, K., and van der Pol.)
Van Deventer, Harry R., New York, N. Y., assignor, by mesne assignments, to General Motors Corporation. Motor pump and condensing unit. 2,031,080; Feb. 18.
Van Hook, Byron C., et al. (See Robinson, William A., assignor.)
Van Law, Durbin, assignor, by mesne assignments, to Powderco Inc., Denver, Colo. Grinding mill. 2,031,289; Feb. 18.
Van Seggern, Ray F. (See Miller, William R., assignor.)

Van Vestraut, Geoffrey. (See Boughton, R. B., and Van Vestraut.)
Vapor Car Heating Company. (See Smith, W. M., Parks, and Rumell, assignors.)
Variety Machine & Stamping Company. (See Kerkspecht, Otto, assignor.)
Vaughn, Harold G., Warren, Ohio, assignor, by mesne assignments, to Wilson & Bennett Manufacturing Company, Chicago, Ill. Open head drum. 2,031,296; Feb. 18.
Vereinigte Blinker-und Kabelwerke A.-G. (See Pfaff, Georg, assignor.)
Vickers, Harry F., Detroit, Mich. Hydraulic steering gear. 2,030,909; Feb. 18.
Vigne, Albert, Webster Groves, assignor to National Bearing Metals Corporation, St. Louis, Mo. Electric current collector. 2,031,081; Feb. 18.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,031,296; Feb. 18.
Vincent, Thomas C., Jr., New Canaan, Conn., assignor to The Fred'k Page Contracting Co., New York, N. Y. Gas washer. 2,031,427; Feb. 18.
Vincente, Francisco, Habana, Cuba. Shoe sole. 2,031,196; Feb. 18.
Vitman, Jean. (See Herowitz, A., and Vitman.)
Voight, August L., Lakewood, Ohio. Traffic marker. 2,031,396; Feb. 18.
Voight, August L., Lakewood, Ohio. Beer cooler. 2,031,397; Feb. 18.
Von Forster, Hermann, and F. Künstel, Frankfort-on-the-Main, Germany, assignors to American Largi Corporation, New York, N. Y. Producing copper having high electrical conductivity and being free from oxygen. 2,031,518; Feb. 18.
Von Fraunhofer, Hans, assignor to Omnichrome Corporation, New York, N. Y. Photographic film of the mosaic type adapted for color photography. 2,030,903; Feb. 18.
Von Fraunhofer, Hans, assignor to Omnichrome Corporation, New York, N. Y. Photographic film of the mosaic type adapted for color photography. 2,030,904; Feb. 18.
Von Henke, Edmund J., assignor to American Electric Fusion Corporation, Chicago, Ill. Welding machine. 2,031,082; Feb. 18.
Voorhees, Vanderveer. (See Rogers, T. H., and Voorhees.)
Wagoner, Arthur F., Excelsior Springs, Mo. Table top extension clamp. 2,031,396; Feb. 18.
Wahlin, Eric W., Magna, Utah. Steering device. 2,031,291; Feb. 18.
Wahlmark, Gunnar A., assignor of one-half to C. H. Rystrom, Rockford, Ill. Fuel injection pump. 2,031,346; Feb. 18.
Waite, Griffin G. (See Sutherland, W. F., and Waite.)
Walker, Harry A., Somerville, and H. P. Strand, Malden, Mass. Test tube heater. 2,031,019; Feb. 18.
Wall, Charles L. (See Parker, C. S., Wall, and Farrington.)
Wallace, Curtis C., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Glass jar and cover for storage battery cells. 2,031,428; Feb. 18.
Walsh, Wilfrid L. (See Lewis, D., Walsh, and Lasbar.)
Walters, Herbert H., Syracuse, N. Y. Lead pencil pointer. 2,031,292; Feb. 18.
Waltz, Foster V., Toledo, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,031,429; Feb. 18.
Wamelink, Eugene C., Cleveland Heights, Ohio. Ignition device. 2,031,298; Feb. 18.
Wappler, Frederick C., New York, N. Y. Surgical endoscopic instrument. 2,031,020; Feb. 18.
Ward, Charles J., Staten Island, N. Y. Ship chart cabinet and display case. 2,031,241; Feb. 18.
Ward, Marshall H., Fairfield, assignor to Bridgeport Brass Company, Bridgeport, Conn. Bellows thermostat with flexible connecting means. 2,031,440; Feb. 18.
Warner, John C., assignor to General Electric Company, Schenectady, N. Y. Radio signaling apparatus. 2,031,441; Feb. 18.
Waters, Daniel V. (See Crane, E. J., and Waters.)
Watling Scale Company. (See Watling, Thomas W. B., assignor.)
Watling, Thomas W. B., assignor to Watling Scale Company, Chicago, Ill. Coin head for coin controlled devices. 2,031,247; Feb. 18.
Wayside Paper Company. (See Danebeim, Morton W., assignor.)
Wayside Gardens Company, The. (See Grullemans, John J., assignor.)
Weaver, Harriett H., Yonkers, N. Y. Hot water bag cover and stand. 2,031,197; Feb. 18.
Weber, Alphons, Syracuse, N. Y. Adjustable handle. 2,031,442; Feb. 18.
Weber, George G., and J. Merryweather, Greencastle, Ind. Harvester thresher canvas. 2,031,921; Feb. 18.
Weis, George H. (See Betterton, J. O., and Weis.)
Weller, Charles A., Bloomfield, N. J., assignor of one-half to Baker & Company, Inc., Newark, N. J., and one-half to Westinghouse Electric and Manufacturing Company. Guide or support for molten glass. 2,031,083; Feb. 18.
Wells, Norman, Shoon, London, and R. Green, Chelmsford, England, assignors to Radio Corporation of America. Wireless aerial for use on short waves. 2,031,140; Feb. 18.
Welsh, John T. (See Maynard, J. S., Welsh, and Keenan.)
Wendt, Herman D., West Chester, assignor to Milk Processes, Inc., Philadelphia, Pa. Producing creamery products. 2,031,448; Feb. 18.
Werder, John F., Lakewood, assignor of one-half to E. Rogers, South Euclid, Ohio. Forming metal containers. 2,031,065; Feb. 18.
Western Electric Company. (See Barker, Virgil D., assignor.)
Western Electric Company. (See Crane, E. J., and Waters, assignors.)
Western Electric Company. (See Fairfield, W. B., and Jongedyk, assignors.)
Western Electric Company. (See Hofstetter, Robert, assignor.)
Western Electric Company. (See Hofstetter, R., and Sager, assignors.)
Western Electric Company. (See McLaughlin, Lawrence, assignor.)
Western Electric Company. (See Taborsky, Frank G., assignor.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Terry, Matson C., assignor.)
Westinghouse Electric and Manufacturing Company, et al. (See Weller, Charles A., assignor.)
Weston, John L., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Control circuit. 2,030,948; Feb. 18.
White, Douglas L., assignor to Hood Rubber Company, Inc., Watertown, Mass. Mixing mill. 2,030,949; Feb. 18.
White, George H., Hartford, Conn., assignor, by mesne assignments, to Masonite Corporation. Pattern selecting mechanism. 2,031,249; Feb. 18.
White, Hollee N., Cameron, Mo. Automobile power take-off mechanism. 2,031,199; Feb. 18.
Whiting, Arthur C., Mount Vernon, N. Y. Cutting machine. 2,031,444; Feb. 18.
Whitmire, LeRoy S. (See Kamerer, J. W., and Whitmire.)
Widmer, Gustave. (See Gama, A., Widmer, and Frey.)
Wilcox & Bennett Manufacturing Company. (See Vaughn, Harold G., assignor.)
Wilcox Company, The. (See Wilcox, Joseph R., assignor.)
Wilcox, Joseph R., assignor to The Wilcox Company, Athol, Mass. Apparatus for making combs. 2,031,400; Feb. 18.
Wiley, Edgar C., assignor to Hayden Heating Specialty Company, Inc., Lynchburg, Va. Automatic regulating apparatus for steam heating systems. 2,031,445; Feb. 18.
Wilcox, Harold M., South Ozone Park, N. Y., assignor to Combustion Utilities Corporation, New York, N. Y. Ash disposal apparatus. 2,031,676; Feb. 18.
Wilkening Manufacturing Company. (See Krampf, John H., assignor.)
Willard Storage Battery Company. (See Altmayer, Frank, assignor.)
Willard Storage Battery Company. (See Lorenz, Henry W., assignor.)
Williams, Ernest A., Cincinnati, and A. F. Berger, Columbus, Ohio, assignors to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 2,030,959; Feb. 18.
Williams, Vernon H., Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Tinning assembly. 2,031,264; Feb. 18.
Williams, Villez P., assignor to E. W. Gomborov, Baltimore, Md. Bumper. 2,031,249; Feb. 18.
Willshaw, Harry, Wylde Green, H. Smith and F. A. Davenport, Birmingham, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Apparatus for severing bias cut fabric. 2,031,401; Feb. 18.
Wilmers, Bernard. (See Kraus, F., and Herrmann, assignors.)
Wilson, Raymond N., Cleveland, Ohio. Method and apparatus for handling slag. 2,031,302; Feb. 18.
Winans, Daniel M., Binghamton, N. Y. Shaving device and the like. 2,031,819; Feb. 18.
Wingfoot Corporation. (See Day, Ralph E., assignor.)
Wingfoot Corporation. (See Kramp, Edward D., assignor.)
Winslow, Charles A., Oakland, Calif. Engine. 2,031,262; Feb. 18.
Winton, Lewis E., Greenwich, Conn., assignor to Amerikan Sealcone Corporation, New York, N. Y. Receptacle filling apparatus. 2,030,961; Feb. 18.
Winzler, Daniel W., Montpelier, Ohio. Fastening and handle. 2,031,341; Feb. 18.
Winzler, Daniel W., Montpelier, Ohio. Fastening for the handles of tools. 2,031,342; Feb. 18.
Wippermann, Hildegard, assignor to The H. W. Gossard Company, Chicago, Ill. Combination garment. 2,031,022; Feb. 18.
Wired Radio, Inc. (See Weston, John L., assignor.)

Wirick, Kirk G., Glendale, assignor to Lounsberry and Harris, Los Angeles, Calif. Hat house. 2,031,402; Feb. 18.
Wishart, William W., assignor of one-half to Automotive Maintenance Machinery Co., Chicago, Ill. Rotary pump or compressor. 2,030,953; Feb. 18.
Wolen, Carl O. (See Liedtke, R. C., and Wolen.)
Wolf, Eduard J., Hamburg, Germany. Treatment of organic cellular materials. 2,031,243; Feb. 18.
Wolfe, Raymond M., Louisville, Ky. Tie holder. 2,030,905; Feb. 18.
Wolfram, Arthur, and R. Haussdörfer, Frankfort-on-the-Main-Hoechst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Ortho-(aminoaroyl)-benzoic acids and inner anhydrides thereof and preparing them. 2,031,163; Feb. 18.
Wood Shovel & Tool Company, The. (See Brandenburg, Francis C., assignor.)
Woodhouse, James H. (See Evans, M. H., and Woodhouse.)
Woodruff, Harvey E., Corpus Christi, Tex. Underreamer. 2,031,353; Feb. 18.
Woodruff, Maurice D., W. H. Mechlin, and J. Markley, Springfield, assignors to The Bauer Brothers Company, Springfield, Ohio. Roasting apparatus. 2,031,086; Feb. 18.
Wright, George M., Chelmsford, and G. F. Brett, Leeds, England, assignors to Radio Corporation of America. Photophone. 2,031,198; Feb. 18.
Wright, Joseph. (See Goodyear, H. F., Wright, and Trevaskis.)
Wright, Richard H., Cleveland, Ohio. Venetian blind filler. 2,031,354; Feb. 18.
Wyler, Max, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Rhodamine coloring matters and preparing the same. 2,031,023; Feb. 18.
Yawman & Erbe Mfg. Co. (See Clark, James R., assignor.)
York Ice Machinery Corporation. (See Cushman, John K., assignor.)
Young, William G., and M. Hansen, Los Angeles, and J. F. Pelton, Glendale, Calif. Egg breaking and separating machine. 2,031,294; Feb. 18.
Youts, Merrill A., Green Bay, Wis., assignor to Standard Oil Company, Chicago, Ill. Nonflammable cleaning solvent. 2,031,145; Feb. 18.
Youts, Merrill A., Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill. Nonflammable cleaning solvent. 2,031,144; Feb. 18.
Zachry, Walter H., Atlanta, Ga. Broom and making same. 2,030,954; Feb. 18.
Zahm, Joseph D., and J. U. Lehn, assignor to Animal Trap Company of America, Lititz, Pa. Trap. 2,031,520; Feb. 18.
Zellhoefer, Glenn F., Bloomington, Ill. Refrigerant mixture. 2,031,067; Feb. 18.
Zerk, Oscar U., Chicago, Ill. Wheel and wheel cover. 2,031,355; Feb. 18.
Zublin, John A., Bel Air, Calif. Method and apparatus for fusing metals. 2,031,088; Feb. 18.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF FEBRUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bell ringer. A. L. Bridgham. 19,853; Feb. 18.
Carrier wave receiver. P. O. Farnham. 19,857; Feb. 18.
Oil burning furnace. F. A. Heath. 19,860; Feb. 18.
Ornamental device, Illuminated. E. J. Graf. 19,859; Feb. 18.
Pulp articles, Method of and machine for making. R. W. Chapman. 19,856; Feb. 18.
Radio aerial system, Duplex. R. V. Amy and J. G. Aceves. 19,854; Feb. 18.
Refrigerating apparatus. J. R. Fehr. 19,858; Feb. 18.
Stereotype platemaking machine. J. J. Walser. 19,861; Feb. 18.

LIST OF PLANT INVENTIONS

Lily, Regal. C. N. Moore. 165; Feb. 18.
Peach. W. C. Elliott. 166; Feb. 18.

LIST OF DESIGN INVENTIONS

Antenna, Radio. C. A. Lehmann. 98,552; Feb. 18.
Ash receiver or similar article. G. W. Emmert. 98,578; Feb. 18.
Ash tray. R. B. Hutcheson. 98,586; Feb. 18.
Bar, Handle. H. L. Kraeft. 98,551; Feb. 18.
Bag or similar article, Infant's sleeping. R. J. and W. H. McCarter. 98,603; Feb. 18.
Bedstead. M. C. Pemphrey. 98,615; Feb. 18.
Blouse. H. Nadler. 98,608; Feb. 18.
Bottle. R. Durand. 98,577; Feb. 18.
Bottle. Y. Lauvin. 98,590; Feb. 18.
Bottle. L. Mann. 98,601; Feb. 18.
Bottle, Glass. L. J. Kiba. 98,598; Feb. 18.
Bottle, Milk. M. A. Pecora. 98,609; Feb. 18.
Box. C. S. Gage. 98,587; Feb. 18.
Bracelet, Watch. S. Ritter. 98,620; Feb. 18.
Bracelet, Watch. S. Ritter. 98,622–3; Feb. 18.
Brassière. R. E. C. de Pury. 98,576; Feb. 18.
Bridge for eyeglasses. H. W. Grom. 98,591; Feb. 18.
Buckle. L. Alterson. 98,628; Feb. 18.
Buckle. J. B. Freysinger. 98,596; Feb. 18.
Buckle. S. Putman. 98,616; Feb. 18.
Buffet. R. Wright. 98,635; Feb. 18.
Building. F. A. Redford. 98,617; Feb. 18.
Button. F. H. Fisher. 98,582–5; Feb. 18.
Cabinet. G. M. Jackson. 98,649; Feb. 18.
Cabinet. R. Wright. 98,634; Feb. 18.
Cabinet, Water heater. R. H. Wilkinson. 98,631; Feb. 18.
Cap, Closure. L. C. McAuliffe. 98,602; Feb. 18.
Cap or similar article, Closure. J. S. B. Smith. 98,626; Feb. 18.
Case or similar article, Cigarette. M. C. Meyer. 98,604; Feb. 18.
Case, Storage battery. O. O. Rieger. 98,655; Feb. 18.
Casserole. E. Moser-Benedikt. 98,606; Feb. 18.
Chair, Adjustable. R. Wright. 98,637; Feb. 18.
Chest of drawers. R. Wright. 98,636; Feb. 18.
Coat. R. Grossman. 98,592; Feb. 18.
Container, Cosmetic. L. A. Perona. 98,612; Feb. 18.
Counter, Combined sales and display. F. L. Pollard. 98,618; Feb. 18.
Counter unit, Lunch. H. and F. Stark. 98,628; Feb. 18.
Cup. E. Moser-Benedikt. 98,607; Feb. 18.
Dress, Ensemble. W. Karp. 98,597; Feb. 18.
Electric lighting fixture. H. D. Hain. 98,647; Feb. 18.
Emblem for articles of apparel, Appliqué. C. Emmey. 98,580–1; Feb. 18.
Emblem or similar article for wearing apparel, Appliqué. C. Emmey. 98,579; Feb. 18.
Fabric, Embroidered textile. G. Bischof. 98,640; Feb. 18.
Faucet mounting. J. C. Steinger. 98,629; Feb. 18.
Fly, Fishing. F. O. Burge. 98,644; Feb. 18.
Food receptacle unit or similar article. F. R. Cutler. 98,575; Feb. 18.
Frame or the like, Emulsifying machine. A. R. Bannister. 98,571; Feb. 18.
Game device. W. A. Merrill. 98,653; Feb. 18.
Handbag, wallet, and cigarette case, Combined. B. H. Bryon. 98,643; Feb. 18.
Heater, Water. C. H. Morrow. 98,605; Feb. 18.
Ice crusher and beverage container, Combined. T. J. Fegley and G. O. Leopold. 98,582; Feb. 18.
Indicator for vehicles, Direction. A. Wenig. 98,639; Feb. 18.
Lace. G. D. Boyson. 98,641; Feb. 18.
Lace. J. Dognin. 98,645; Feb. 18.
Lace. B. Edson. 98,646; Feb. 18.
Lamp base. H. A. Perlmutter. 98,610–11; Feb. 18.
Lamp base. H. A. Perlmutter. 98,654; Feb. 18.
Leather or similar article. M. White. 98,656; Feb. 18.
Lens for motor vehicle lamps. O. C. Ritz-Wolber. 98,634; Feb. 18.
Link for a watch bracelet. S. Ritter. 98,618–19; Feb. 18.
Link for a watch bracelet. S. Ritter. 98,621; Feb. 18.
Shoe. T. R. Atkins. 98,569–70; Feb. 18.
Shoe. T. R. Atkins. 98,639; Feb. 18.
Shoe. S. Winer. 98,632; Feb. 18.
Shoe sole. A. Greenbaum. 98,560; Feb. 18.
Signal, Luminous-arm. D. A. Lee. 98,600; Feb. 18.
Stand, Smoking. W. Hoffmann. 98,593–5; Feb. 18.
Stand, Smoking. W. Hoffmann. 98,648; Feb. 18.
Stereoscopic viewer. B. Rossman. 98,626; Feb. 18.
Stove, Oil burning cook. W. T. Bradbury. 98,572–4; Feb. 18.
Stove, Oil burning cook. W. T. Bradbury. 98,642; Feb. 18.
Table, Breakfast. L. Garshofsky. 98,585–9; Feb. 18.
Tire. G. W. Anderson. 98,568; Feb. 18.
Trailer. F. B. and L. E. Kaunitz. 98,650; Feb. 18.
Tumbler. W. O. Prouty. 98,614; Feb. 18.
Vase, Flower. S. L. Wolfe. 98,633; Feb. 18.
Washing machine and wringer, Combined. J. Stanik. 98,627; Feb. 18.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF FEBRUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive cutting machine and method. D. Lewis, W. L. Walsh, and W. B. Lasher, Jr. 2,031,052; Feb. 18.
Acid esters, Depolymerizing alpha substituted acrylic. D. E. Strain. 2,030,901; Feb. 18.
Acid, Evaporating aqueous hydrochloric. E. Raschig. 2,031,179; Feb. 18.
Acids and inner anhydrides thereof and preparing them, Ortho-(aminoaroyl)-benzoic. A. Wolfram and E. Hansdorfer. 2,031,143; Feb. 18.
Address plate. W. T. Gollwitzer. 2,030,865; Feb. 18.
Adjustable handle. A. Weber. 2,031,443; Feb. 18.
Adjustable seat. J. Kersten. 2,031,109; Feb. 18.
Aerial for use on short waves, Wireless. N. Wells and E. Green. 2,031,140; Feb. 18.
Air conditioner, Motor vehicle. H. W. Hedburg. 2,031,041; Feb. 18.
Air conditioning and refrigerating device. R. McKinney. 2,031,055; Feb. 18.
Air cooling device. E. H. Hardin. 2,031,584; Feb. 18.
Aircraft. J. H. Crossman, 2d. 2,030,967; Feb. 18.
Aircraft speed control. J. K. Northrop. 2,031,177; Feb. 18.
Airplane pilot, Automatic. C. H. Havill. 2,030,896; Feb. 18.
Air purifying device. C. W. Johnson. 2,031,164; Feb. 18.
Air washing device. D. A. Barnie. 2,031,027; Feb. 18.
Alkyl halides, Production of. J. H. Reilly. 2,031,328; Feb. 18.
Alloys. R. H. Leach. 2,031,113; Feb. 18.
Alloys of iron, chromium, nickel, and copper, Manufacture of. A. L. Feild. 2,031,152; Feb. 18.
Alloys of the alkaline earth metals with cadmium, Production of. G. N. Kirsebom. 2,031,487; Feb. 18.
Alloys of the alkaline earth metals with lead or other metals, Production of. G. N. Kirsebom. 2,031,486; Feb. 18.
Aluminum and aluminum alloys, Spot-welding. N. F. Malley. 2,030,906; Feb. 18.
Amino derivatives and process of preparing, Resinous. H. A. Bruson. 2,031,557; Feb. 18.
Ammunition loading device with chain conveyer for small-arms. G. Sosso. 2,031,438; Feb. 18.
Annunciator unit. M. F. Ketay. 2,031,206; Feb. 18.
Antenna. E. Posthumus and B. van der Pol. 2,031,065; Feb. 18.
Antimony compounds, Manufacture of new stable. W. Kussmaul. 2,031,268; Feb. 18.
Arch and heel support. E. M. Stewart and S. Shagria. 2,031,510; Feb. 18.
Article and manufacture thereof, Metal coated. R. R. Robinson and R. L. Rick. 2,031,070; Feb. 18.
Ash disposal apparatus. H. M. Wilgus. 2,031,578; Feb. 18.
Automatic brake. A. L. Still. 2,031,186; Feb. 18.
Automatic parking brake. C. G. Peabody and E. W. Roberts. 2,031,062; Feb. 18.
Automobile lock. W. W. Brares. 2,031,522; Feb. 18.
Automobile power take-off mechanism. H. N. White. 2,031,390; Feb. 18.
Axle extension, Tractor. A. Rossing and A. G. Rossing. 2,031,383; Feb. 18.
Axle, Spring. G. N. Knox. 2,031,537; Feb. 18.
Bag cover and stand, Hot water. H. E. Weaver. 2,031,197; Feb. 18.
Bag rack. C. E. Doolin. 2,031,147; Feb. 18.
Bags and wrappers, Procedure and apparatus for making window. E. S. Grant and A. A. Schlegel. 2,031,580; Feb. 18.
Ballast resistance. S. Hamada. 2,031,480; Feb. 18.
Bank protecting device. C. J. Meunier and H. Bomboy. 2,031,542; Feb. 18.
Barium salts and hydrogen peroxide, Making water soluble. F. Rüsberg. 2,031,190; Feb. 18.
Bathtub. H. S. Deubelbeiss. 2,031,255; Feb. 18.
Battery holder. E. C. Scott. 2,031,506; Feb. 18.
Battery terminal post. H. W. Lorimor. 2,031,578; Feb. 18.
Bearing; *See*—
Sealed bearing.
Bearing assembling machine, Roller. F. Ketchum and G. E. Dunn. 2,031,417; Feb. 18.
Bed material for dower bulbs. J. J. Grullemans. 2,031,306; Feb. 18.
Beer cooler. A. L. Voight. 2,031,397; Feb. 18.
Belt drive. J. K. Kahn. 2,031,310; Feb. 18.
Belt, Power transmitting. E. D. Kramp. 2,031,060; Feb. 18.
Benzimidazoles having higher alkyl-groups at the 5-carbon atoms, Manufacture of. C. Grammaccioni and F. Ackermann. 2,031,037; Feb. 18.
Beverages, Aging alcoholic. E. F. Spellmeyer. 2,031,232; Feb. 18.
Binder, Loose leaf. E. F. Lexow. 2,031,378; Feb. 18.
Blanket. J. C. Standish. 2,031,013; Feb. 18.
Blasting assembly. V. H. Williams. 2,031,084; Feb. 18.
Bleeding on white animal fibers, Prevention of the. A. Landolt. 2,031,046; Feb. 18.
Blind tilter, Venetian. R. H. Wright. 2,031,354; Feb. 18.
Block; *See*—
Building block.
Boat hull structure. E. J. W. Ragsdale. 2,031,428; Feb. 18.
Boats, Propelling pleasure. S. Stone. 2,031,329; Feb. 18.
Boring machine. R. A. Miller. 2,031,173; Feb. 18.
Bottle, Beverage dispensing. G. J. Maloney. 2,031,172; Feb. 18.
Bottle cap and making same. W. T. Mason and H. J. Coleman. 2,030,884; Feb. 18.
Bottle closure. C. Anaya. 2,030,841; Feb. 18.
Bottle receptacle, Milk. G. S. Loree. 2,031,272; Feb. 18.
Box; *See*—
Egg box.
Folding box.
Bracelet, Multiple ring. C. G. King. 2,031,110; Feb. 18.
Bracelet, or the like, structures. R. Everitt. 2,030,974; Feb. 18.
Bracket; *See*—
Self-locking bracket.
Braid. W. S. Titcomb. 2,030,947; Feb. 18.
Brake; *See*—
Automatic brake.
Fluid pressure brake.
Automatic parking brake.
Brake. E. B. Boughton and G. Van Vestraut. 2,030,848; Feb. 18.
Brake. J. Saeed. 2,031,390; Feb. 18.
Brake. H. D. Van Brunt. 2,031,517; Feb. 18.
Brake control mechanism, Aircraft. E. F. Goodyear, J. Wright, and H. Trevaskis. 2,031,412; Feb. 18.
Brake head. G. A. Spiller. 2,031,184; Feb. 18.
Brake head arrangement. A. H. Peyche. 2,031,127; Feb. 18.
Brake system. B. S. Aikman. 2,030,955; Feb. 18.
Brake testing apparatus. M. H. Evans and J. H. Woodhouse. 2,030,914; Feb. 18.
Bread and the like, Device for sacking sliced. E. G. Kennebeck. 2,031,264; Feb. 18.
Bread, Slicing. H. J. Critner. 2,031,282; Feb. 18.
Broiler or the like. L. E. Padelford and W. H. Rudolph. 2,031,399; Feb. 18.
Broom and making same. W. H. Zachry. 2,030,954; Feb. 18.
Bucket, Elevator. L. C. Ponting and A. G. Kliwer. 2,031,064; Feb. 18.
Buffing wheel. E. W. Hall. 2,031,105; Feb. 18.
Building block. H. E. Thompson. 2,031,194; Feb. 18.
Building construction. W. D. Mann. 2,030,998; Feb. 18.
Building construction. W. H. Mason. 2,031,568; Feb. 18.
Bumper. B. F. Fortier and F. A. Miller. 2,030,978; Feb. 18.
Bumper. V. P. Williams. 2,031,340; Feb. 18.
Burner; *See*—
Coal burner.
Sulphur burner.
Fuel feed burner.
Cabinet and display case, Ship chart. C. J. Ward. 2,031,241; Feb. 18.
Cable clamp. J. J. Taylor. 2,031,236; Feb. 18.
Cable clamp attachment. F. G. Bovard. 2,031,303; Feb. 18.
Calcium salts of substituted quinoline carboxylic acids, Preparing. P. J. Breivogel. 2,030,958; Feb. 18.
Cam generating machine. H. Alfaro. 2,030,907; Feb. 18.
Camera, Photographic. H. Küppenbender. 2,031,321; Feb. 18.
Candle, Electric. H. Rothenberg. 2,031,507; Feb. 18.
Canvas, Harvester thresher. G. G. Weber and J. Merryweather. 2,031,021; Feb. 18.
Car, Mine. D. U. Rich. 2,030,938; Feb. 18.
Carburetor. R. B. Hirth. 2,030,922; Feb. 18.
Carburetor. E. Mathieu. 2,031,379; Feb. 18.
Carton and blank for forming the same. H. Kondolf. 2,031,111; Feb. 18.
Carton, Dispensing. M. W. Deneheim. 2,031,033; Feb. 18.
Case; *See*—
Combination vanity case.
Casings, Process and apparatus for treating sausage. R. L. Atkinson. 2,030,843; Feb. 18.
Catalysts, Oxidizing. J. C. W. Frazer. 2,031,475; Feb. 18.
Cathode heating element for thermionic tubes. A. A. Straub. 2,031,340; Feb. 18.

Cellulose esters and cellulose ethers, Dyeing or coloring. F. Ackermann. 2,031,356; Feb. 18.
Cement clinkers, Apparatus for manufacturing and treating. H. S. Lee. 2,031,049; Feb. 18.
Cement clinkers, Apparatus for manufacturing, treating, and cooling. H. S. Lee. 2,031,047; Feb. 18.
Centrifugal clothes drier. W. A. Papworth. 2,031,427; Feb. 18.
Chair: *See*—
Reinforcement supporting chair.
Chaise longue. H. Perless and C. F. Pearce, Jr. 2,031,124; Feb. 18.
Chase. G. H. Higgins and W. F. Huck. 2,030,871; Feb. 18.
Check for piano actions. A. Klein. 2,031,488; Feb. 18.
Chucking machine, Automatic. A. J. Lewis. 2,031,051; Feb. 18.
Cigarette package holder. J. Haltzman. 2,030,990; Feb. 18.
Circuit analyzer, Electrical. E. N. Dingley, Jr. 2,030,857; Feb. 18.
Circuit breaker system, Automatic reclosing. A. E. Anderson. 2,031,447; Feb. 18.
Circuit, Control. J. L. Weston. 2,030,948; Feb. 18.
Circuit controller. J. Arcelon. 2,031,448; Feb. 18.
Circuit controller. J. F. Tritle. 2,031,516; Feb. 18.
Circuit, High frequency. F. A. Kolster. 2,031,490; Feb. 18.
Circuit interrupter, Electric. C. Thumim. 2,031,514; Feb. 18.
Circuits, Fidelity control. G. V. Dowding. 2,031,034; Feb. 18.
Clamp: *See*—
Cable clamp.
Machine plate clamp. Table top extension clamp.
Shear blade clamp. Wire line drilling clamp.
Clamp for bell and spigot joints, Adjustable repair. C. E. Norton. 2,031,499; Feb. 18.
Clasp, Collar. L. Madison. 2,030,997; Feb. 18.
Clasp, Hairpin. F. Interrante. 2,031,483-4; Feb. 18.
Cleaner: *See*—
Vacuum cleaner.
Clip and handle, Wire. C. A. Stevens. 2,031,577; Feb. 18.
Closure for containers and the like, Flexible. J. F. Keller. 2,030,902; Feb. 18.
Closure for conveyers, Safety outlet. W. B. McBurney. 2,031,116; Feb. 18.
Clothespole. E. F. Chambless. 2,031,460-1; Feb. 18.
Clutch. W. W. Harris. 2,031,511; Feb. 18.
Coal burner. A. Adrianeff. 2,031,199; Feb. 18.
Coal, Distilling. G. A. Berry and A. P. Beardsley. 2,030,852; Feb. 18.
Coating, Welding rod. P. C. Lemmerman. 2,031,494; Feb. 18.
Coil winding machine. R. Hofstetter. 2,030,988; Feb. 18.
Coil winding machine. R. Hofstetter and J. W. Sager. 2,030,989; Feb. 18.
Coin head for coin controlled devices. T. W. B. Watling. 2,031,247; Feb. 18.
Coin slide, Slug-rejecting. L. M. Hall. 2,031,180; Feb. 18.
Collapsible drawing table. F. A. Giannineto and A. I. Friedman. 2,031,477; Feb. 18.
Color element images in multi-color screen photographic printing and projection, Mixing the. W. Chapman. 2,031,052; Feb. 18.
Color engraving process. W. M. Hensel. 2,030,920; Feb. 18.
Column level gauge. J. W. Gray. 2,031,533; Feb. 18.
Combination vanity case. E. R. Erikson. 2,031,368; Feb. 18.
Combs, Apparatus for making. J. S. Wilcox. 2,031,400; Feb. 18.
Comparators, Attachment for. R. O. Beardsley. 2,031,201; Feb. 18.
Composite package. A. McCallum. 2,031,381; Feb. 18.
Composition of matter and its production. C. G. Dreymann. 2,031,026; Feb. 18.
Compound and compositions containing same. B. C. Bren. 2,031,208; Feb. 18.
Compounds of the N-dihydro-1,2,2',1'-anthraquinone azine series and the production thereof. F. W. Johnson. 2,030,878; Feb. 18.
Concrete, Device for protecting. S. P. and E. W. Cerf. 2,031,098; Feb. 18.
Condenser and making the same, Electrolytic. A. Raines. 2,031,128; Feb. 18.
Conductor reel. I. Stern and L. Shookhoff. 2,031,434; Feb. 18.
Connecter: *See*—
Plug connecter.
Container: *See*—
Ice cream service container.
Container. H. H. Breneman. 2,031,020; Feb. 18.
Container. C. W. Stillwell. 2,031,233; Feb. 18.
Container and closure therefor. W. Hortick, Jr. 2,031,312; Feb. 18.
Container fitting. R. S. Rheem. 2,031,351; Feb. 18.
Container fitting, Steel. L. W. Evans. 2,031,350; Feb. 18.
Container for explosives. C. O. Rison. 2,031,895; Feb. 18.
Container unit, Food. L. H. Scurlock. 2,030,890; Feb. 18.
Containers, Apparatus for making. H. T. Kraft. 2,031,419; Feb. 18.
Containers, Forming metal. J. F. Werder. 2,031,065; Feb. 18.
Containers, Setting-up collapsible. R. W. Barnard. 2,031,080; Feb. 18.
Continuous machine for printing floor and wall coverings. T. Pesci. 2,031,063; Feb. 18.
Control device. S. W. Eggleston. 2,031,405; Feb. 18.
Control device. L. M. Persons. 2,030,932; Feb. 18.
Control for heat generators. J. J. Kloyan. 2,031,335; Feb. 18.
Control mechanism for machine tools and the like. A. Oberhoffken. 2,030,890; Feb. 18.
Controlling apparatus for automobile engines. M. Ury. 2,031,130; Feb. 18.
Controlling means for fuel injection engines. E. Dodman. 2,031,537; Feb. 18.
Conveyer. C. S. Jennings. 2,031,253; Feb. 18.
Conveyer, Sectional. T. T. McCarthy. 2,031,054; Feb. 18.
Cooler: *See*—
Beer cooler.
Copper anode mud, Treating. J. O. Betterton and G. H. Weis. 2,031,290; Feb. 18.
Copper base alloy. H. C. Jennison. 2,031,315-6; Feb. 18.
Copper-beryllium alloys. W. Hessenbruch. 2,030,921; Feb. 18.
Copper having high electrical conductivity and being free from oxygen, Producing. H. von Forster and F. Kinzel. 2,031,518; Feb. 18.
Corn husking machine. S. E. and W. W. Morral. 2,031,277; Feb. 18.
Coupling: *See*—
Hydraulic coupling.
Cover feeder for book match machines. L. B. Parker. 2,031,572; Feb. 18.
Cover for kegs, barrels, or like containers. E. G. Fessenden. 2,031,188; Feb. 18.
Cradle, Lead lifting. B. F. Fitch. 2,030,863; Feb. 18.
Crane. S. W. Ruff. 2,031,549; Feb. 18.
Cravat holder. J. O. Polinck. 2,031,004; Feb. 18.
Creamery products, Producing. H. D. Wendt. 2,031,449; Feb. 18.
Cribs, Adjustable drop-side for. A. M. Smith. 2,031,234; Feb. 18.
Cross-roll apparatus. A. P. Dischar. 2,031,009; Feb. 18.
Cultivator. H. Lisius. 2,030,904; Feb. 18.
Current collector, Electric. A. Vigue. 2,031,031; Feb. 18.
Cut-off machine. G. W. Swift, Jr. 2,031,513; Feb. 18.
Cutter: *See*—
Tin cutter.
Cutting machine. A. C. Whiting. 2,031,444; Feb. 18.
Cylinder head. R. H. Pennebaker. 2,030,998-4; Feb. 18.
Damping device. J. Mercier. 2,031,060; Feb. 18.
Decorative product and making the same. J. Frank. 2,031,474; Feb. 18.
Deflector, Closed car wind. R. M. Harris. 2,030,886; Feb. 18.
Demountable wheel. L. Label. 2,031,114; Feb. 18.
Dental instrument. F. F. Marschalk. 2,031,276; Feb. 18.
Depilatory, Stable. F. Koenigsberger. 2,031,490; Feb. 18.
Derailing device. T. J. Rearns. 2,031,576; Feb. 18.
Derivatives of N-dihydro-1,2,2',1'-anthraquinone azine, Production of. F. W. Johnson. 2,030,877; Feb. 18.
Derrick post, Oil field. L. C. Moore. 2,031,062; Feb. 18.
Detecting and amplifying system. H. F. Elliott. 2,030,913; Feb. 18.
Device for creating an illusion. R. Harding, Jr. 2,030,919; Feb. 18.
Device for opening jars. H. J. Lobmeyr. 2,031,420; Feb. 18.
Direction finder compensator for direct reading of true bearings. H. Scharlau. 2,031,073; Feb. 18.
Discharge tube. A. Claude. 2,030,963; Feb. 18.
Dispensing apparatus. W. Barnett and A. R. O'Kay. 2,030,939; Feb. 18.
Display apparatus. R. B. Lustig. 2,030,966; Feb. 18.
Display device. R. Fioravanti. 2,031,409; Feb. 18.
Display device. S. J. Graham. 2,031,367; Feb. 18.
Display device. A. Kaufman. 2,031,410; Feb. 18.
Distributing apparatus. G. H. Hill, Jr. 2,031,362; Feb. 18.
Door fastener. J. C. Gard. 2,030,916; Feb. 18.
Doorlock. H. Thomasma. 2,031,244; Feb. 18.
Door, Locking a. M. Stone. 2,031,552; Feb. 18.
Door locking mechanism, Automobile. J. A. Roberts. 2,031,231; Feb. 18.
Door operator. E. G. Parris. 2,031,220; Feb. 18.
Door, Refrigerator. C. A. Rehling. 2,031,065; Feb. 18.
Door, Refrigerator car. S. B. Haseltine. 2,031,039-40; Feb. 18.
Door, Spring balanced. D. C. Hungerford. 2,030,893; Feb. 18.
Draft hood. L. N. Hunter. 2,031,314; Feb. 18.
Drawer stop for cabinets and the like. J. E. Clark. 2,031,251; Feb. 18.
Dredging apparatus. J. B. Scandlan. 2,031,388; Feb. 18.
Drier: *See*—
Centrifugal clothes drier.
Drill: *See*—
Rock drill.
Driving device for a machine for casting shoestype plates. K. Schäfein. 2,031,131; Feb. 18.

Drum, Open head. H. G. Vaughn. 2,031,290; Feb. 18.
Dyes and their preparation, Azo. H. Fierlen. 2,030,921; Feb. 18.
Dyes and their production, Azo. M. A. Dahlen. 2,030,970; Feb. 18.
Dyestuff, Diazo. G. Niemann. 2,031,426; Feb. 18.
Dyestuffs of the anthraquinone-2,1 (N) benzacridone series, Vat. W. Bruck. 2,031,406; Feb. 18.
Earth moving device. R. E. Cheate and W. R. Redler. 2,031,463; Feb. 18.
Edge runner-like mixing and kneading machine. L. and J. Eirich. 2,031,149; Feb. 18.
Egg box. C. F. Fuller. 2,030,979; Feb. 18.
Egg breaking and separating machine. W. G. Young, M. Hansen, and J. F. Pollon. 2,031,294; Feb. 18.
Egg product and emulsifier therefor. F. H. Clickner. 2,030,964; Feb. 18.
Elastic strands for elastic fabrics, Noncreep. S. C. Lilley. 2,031,375; Feb. 18.
Electric control apparatus for fuel burners. A. L. Rubel. 2,030,941; Feb. 18.
Electric control means. H. T. Seeley. 2,031,509; Feb. 18.
Electric hand tool. R. Schümann. 2,031,133; Feb. 18.
Electrical advertising sign. F. H. McDonald. 2,030,886; Feb. 18.
Electrical contact device, Separable. C. L. Knutson. 2,031,544; Feb. 18.
Electrical controller. K. G. Powell. 2,031,502; Feb. 18.
Electrical devices, Method of and apparatus for testing. F. G. Taborsky. 2,031,016; Feb. 18.
Electrical disturbances, Reducing. D. G. McCaa. 2,031,539; Feb. 18.
Electrical outlet, Extended. P. Manchester. 2,031,542; Feb. 18.
Electrical regulating system. H. Bany. 2,031,452; Feb. 18.
Electrical resistance device. W. Dunkle. 2,031,211; Feb. 18.
Electrode arrangement for controlling electric arcs. W. G. Thompson. 2,031,435; Feb. 18.
Electromagnetic apparatus. J. Bethenod and A. Claude. 2,030,957; Feb. 18.
Electromagnetic waves, Arrangement adapted to generate ultra short. M. Potterowsky and H. Lax. 2,031,101; Feb. 18.
Electron discharge device. H. W. Parker. 2,030,980; Feb. 18.
Electron discharge tube and circuit arrangement. K. Steimel. 2,031,187; Feb. 18.
Electroplating machine, Automatic. A. H. Hannon. 2,030,984; Feb. 18.
Elevator safety device. F. Hymans. 2,031,042; Feb. 18.
Emergency wheel. H. J. Finke, Jr. 2,031,297; Feb. 18.
Emulsifier. F. H. Clickner. 2,030,965; Feb. 18.
Emulsion, Print-out. G. K. Fallesen and C. J. Staud. 2,030,860; Feb. 18.
Engine: *See*—
Internal combustion engine. Welded steel engine.
Engine. H. Junkers. 2,031,318; Feb. 18.
Engine. C. A. Winslow. 2,031,242; Feb. 18.
Engine and automatic control therefor, Internal combustion. W. A. Robinson. 2,030,939; Feb. 18.
Engine cooling system. A. L. MacClain. 2,031,541; Feb. 18.
Engine starting apparatus. R. P. Lansing. 2,030,882; Feb. 18.
Esters of cellulose, Precipitation of mixed. C. J. Malm. 2,030,883; Feb. 18.
Excavating machine. W. J. Newman. 2,031,319; Feb. 18.
Exhaust silencer for internal combustion engines. H. C. Austin. 2,031,451; Feb. 18.
Eyeglass lens. E. Culver and A. H. Emerson. 2,030,968; Feb. 18.
Eyelet assembly. C. W. Meyer. 2,031,235; Feb. 18.
Eyelet socket. H. Reiter. 2,031,429; Feb. 18.
Fabric: *See*—
Hosiery toe fabric. Pile fabric.
Imitation linen fabric.
Fabric, Apparatus for severing bias cut. H. Willshaw, H. Smith, and F. A. Davenport. 2,031,401; Feb. 18.
Fabric take-off mechanism for knitting machines. P. Schmidt. 2,030,944; Feb. 18.
Fabrics, Dressing. C. Benez. 2,031,245; Feb. 18.
Facsimile system. H. Shore. 2,031,124; Feb. 18.
Fan. A. A. Criqui. 2,031,466; Feb. 18.
Fan. A. G. Langenkamp and R. H. McElroy. 2,030,923; Feb. 18.
Fan, Controlling delivery. F. Sewick. 2,031,138; Feb. 18.
Fastener: *See*—
Door fastener.
Fastener. S. B. Campbell. 2,031,407; Feb. 18.
Fastener installation and fastener for the same. W. I. Jones. 2,031,563; Feb. 18.
Fasteners, Making slide. S. Quisling. 2,030,895; Feb. 18.
Fastening for the handles of tools. D. W. Wiessler. 2,031,142; Feb. 18.
Feed dog recutting fixture. L. C. Corcoran. 2,031,464; Feb. 18.
Feeding apparatus. A. A. Holbeck. 2,031,360; Feb. 18.
Felling machine for gramme fabric sections. C. E. Thompson. 2,031,196; Feb. 18.
Fiber products, Manufacture of. D. M. Sutherland, Jr. 2,030,948; Feb. 18.
Field standard for testing liquid measuring devices. T. A. Seraphin. 2,031,220; Feb. 18.
Filaments and like materials, Apparatus for the production of artificial. H. Dreyfus. 2,030,972; Feb. 18.
Film of the monopack type adapted for color photography, Photographic. H. von Fraunhofer. 2,030,908-4; Feb. 18.
Films and foils of organic cellulose esters, Treatment of. M. Hagedorn and P. Müller. 2,030,983; Feb. 18.
Films, Device for the rewinding of photographic. H. J. Streyckmans. 2,031,079; Feb. 18.
Filter base, Oil. W. F. Muench. 2,031,427; Feb. 18.
Firearm, Automatic. G. End and J. Gastel. 2,031,305; Feb. 18.
Fishing apparatus. A. Johnson. 2,030,875; Feb. 18.
Flaws, Detecting. H. C. Drake. 2,031,469; Feb. 18.
Flight apparatus. J. E. L. Hall. 2,031,310; Feb. 18.
Floor construction, Waterproof and fireproof. O. S. Bowman. 2,031,249; Feb. 18.
Fluid control means. W. T. Gray. 2,031,478; Feb. 18.
Fluid pressure brake. C. C. Farmer. 2,031,213; Feb. 18.
Folding box. F. L. Roe. 2,031,575; Feb. 18.
Food package, Heat insulated. R. B. Derr. 2,031,254; Feb. 18.
Freight on vehicles, Positioning. B. F. Fitch. 2,030,862; Feb. 18.
Fuel. C. S. Marvel. 2,031,497; Feb. 18.
Fuel feed burner. H. S. Lee. 2,031,048; Feb. 18.
Fuel feeding system. E. A. Rockwell. 2,031,282; Feb. 18.
Fuel injection pump. G. A. Wahlmark. 2,031,546; Feb. 18.
Fuel, Method and torch for burning liquid. H. G. Hughey. 2,031,168; Feb. 18.
Fuel mixing valve, Gaseous. J. Elias. 2,031,332; Feb. 18.
Fuel products, Motor. T. H. Rogers and V. Voorhees. 2,030,940; Feb. 18.
Fuel vaporizer and burner, Liquid. C. A. French. 2,031,506; Feb. 18.
Furnace: *See*—
Oil burning furnace.
Furnace for roasting sulphurous ores. W. Mueller. 2,031,122; Feb. 18.
Furnaces, Annealing and other heat-treatment. A. G. Lebly. 2,031,270; Feb. 18.
Fuse. G. E. Brown. 2,031,457; Feb. 18.
Garment, Combination. H. Wipperman. 2,031,622; Feb. 18.
Gas from oxides of nitrogen, Purification of. W. H. Fulweiler. 2,031,410; Feb. 18.
Gas pressure regulator. G. Mills. 2,031,174; Feb. 18.
Gas washer. T. C. Vincent, Jr. 2,031,437; Feb. 18.
Gases and dust evolved in the electrolytic manufacture of aluminium, Recovery of the. P. J. M. Torchet. 2,031,554; Feb. 18.
Gate valve. J. S. Kiesel. 2,031,372; Feb. 18.
Gauge: *See*—
Column level gauge.
Gear: *See*—
Steering gear.
Gear shift, Hydraulic. L. D. Foley. 2,031,364; Feb. 18.
Gearing, Planet wheel. J. N. Stern and H. B. Larsen. 2,031,286; Feb. 18.
Generator: *See*—
Oscillation generator.
Thermionic oscillation generator.
Glare from automobile headlights, Avoiding. E. H. Land. 2,031,045; Feb. 18.
Glass feeding device. J. W. Harding. 2,031,413; Feb. 18.
Glass, Safety. J. W. Kamerer and L. S. Whitmire. 2,030,878; Feb. 18.
Glass sheet glazing unit, Multi-ply. C. D. Haven. 2,030,585; Feb. 18.
Golf hole. J. D. Clarke. 2,031,525; Feb. 18.
Gramophone, Automatic. S. P. Arvidius. 2,031,449; Feb. 18.
Grave covering apparatus. N. R. Moore. 2,031,175; Feb. 18.
Grid and cover for ice trays, Combination. H. Mock. 2,031,276; Feb. 18.
Grid or grating. W. F. Schulz. 2,031,007; Feb. 18.
Grinder and calipers, Combination precision. H. B. Barrett. 2,031,357; Feb. 18.
Grinding machine. R. Atti. 2,030,850; Feb. 18.
Grinding mill. D. Van Law. 2,031,280; Feb. 18.
Guard and control system, Safety. W. B. Fairfield and B. Jongedyk. 2,030,976; Feb. 18.
Guard for automotive vehicle bumpers. O. Kernspecht. 2,031,217; Feb. 18.
Guide or support for molten glass. C. A. Weller. 2,031,063; Feb. 18.
Gun bolt mechanism, Machine. R. Mendoza. 2,031,333; Feb. 18.
Gun, Heat. M. H. Spielman. 2,031,391; Feb. 18.
Guns for dispensing viscid or semi-liquid materials, Apparatus for and method of loading. L. A. Macklamburg. 2,031,495; Feb. 18.
Hair curler. N. L. Salomon. 2,031,288; Feb. 18.
Hair curling device. M. E. Lindsay. 2,031,377; Feb. 18.
Hair drying device. A. M. Moore. 2,031,001; Feb. 18.
Halter. A. Lombrilla. 2,031,271; Feb. 18.
Handbag. J. H. Klotz. 2,031,218; Feb. 18.

Handbag. H. V. Ritter. 2,031,506; Feb. 18.
Handgrip member. O. W. Hamel. 2,031,161; Feb. 18.
Handle: *See*—
Adjustable handle. Tool handle.
Head for internal combustion engines. M. E. Mutchler. 2,031,123; Feb. 18.
Heat exchange apparatus. P. F. Sperry. 2,031,012; Feb. 18.
Heat exchanger. K. Muhleisen. 2,031,425; Feb. 18.
Heat in the oxidation of ammonia to nitric acid under pressure, Utilizing the. T. Hobler. 2,031,215; Feb. 18.
Heater: *See*—
Test tube heater.
Heater. A. Sorensen. 2,031,551; Feb. 18.
Heater for locomotives, Feed water. M. W. Dole. 2,031,466; Feb. 18.
Heating and cooling unit for buildings. G. W. Southoff. 2,031,578; Feb. 18.
Heating unit. W. R. Miller. 2,031,496; Feb. 18.
Hinge: *See*—
Link type hinge.
Hinge leaves, Making. E. C. Abbe. 2,031,244; Feb. 18.
Holder: *See*—
Cigarette package holder. Tie holder.
Cravat holder. Tool holder.
Meat holder. Toothbrush holder.
Holder for razor blades, Stroking. C. E. Edwards. 2,031,471; Feb. 18.
Honing tool. F. L. Gillett and J. S. Morgan. 2,031,156; Feb. 18.
Hose support. E. S. Mousseau. 2,031,278; Feb. 18.
Hosiery toe fabric. D. Sickerott. 2,031,452; Feb. 18.
House, Slat. K. G. Wirick. 2,031,402; Feb. 18.
Hub cap and cover. R. S. Begg. 2,031,092; Feb. 18.
Humidifying system. C. J. Lehn. 2,031,220; Feb. 18.
Hydraulic apparatus. J. H. Kerber. 2,031,166; Feb. 18.
Hydraulic coupling. K. Baumann and H. Sinclair. 2,031,521; Feb. 18.
Hydraulic press. J. E. Middaugh. 2,030,928; Feb. 18.
Hydraulically or liquid pressure operated brake. E. B. Boughton. 2,031,360; Feb. 18.
Hydrocarbons, Cracking treatment of. A. D. Smith. 2,031,336; Feb. 18.
Ice cream service container. C. E. Hoover. 2,031,108; Feb. 18.
Igniter, Incandescent. R. Reichmann. 2,030,937; Feb. 18.
Ignition device. E. C. Wamelink. 2,031,298; Feb. 18.
Illuminated folding table. A. L. Eller. 2,031,304; Feb. 18.
Illuminating apparatus. G. Kuhn. 2,031,166; Feb. 18.
Illumination system, Constant intensity. G. W. Calver. 2,030,854; Feb. 18.
Imitation linen fabric. H. H. Burton. 2,031,209; Feb. 18.
Incandescent lamp. J. H. Smith. 2,031,182; Feb. 18.
Indicator: *See*—
Tuning indicator.
Indicator for game apparatus. G. D. Barck. 2,030,845; Feb. 18.
Ink. L. McLaughlin. 2,030,999; Feb. 18.
Internal combustion engine. R. J. Herrington. 2,031,042; Feb. 18.
Internal combustion engine. J. G. Vincent. 2,031,395; Feb. 18.
Iron attachment. C. B. Barker. 2,031,026; Feb. 18.
Iron collector, Tramp. E. Grossenbacher. 2,030,982; Feb. 18.
Jack: *See*—
Vehicle jack.
Jar cover for storage battery cells, Glass. C. C. Wallace. 2,031,438; Feb. 18.
Jar closure. F. Fiese. 2,031,531; Feb. 18.
Joint: *See*—
Packed, flexible, conduit joint.
Joint extension union, Multiple. J. R. Guildford. 2,030,917; Feb. 18.
Joint reenforcement system for concrete roads, Longitudinal. J. W. Kerr. 2,031,371; Feb. 18.
Kerf-cutting machine. F. A. Lindgren. 2,030,926; Feb. 18.
Keyboard. R. Tevis. 2,031,017; Feb. 18.
Knife, Paring. A. Swedeland. 2,031,191; Feb. 18.
Knitting, Hand. N. Gilpin. 2,031,104; Feb. 18.
Knitting machine thread carrier actuating means. G. Bitser. 2,031,300; Feb. 18.
Lamp: *See*—
Incandescent lamp. Vehicle indicating lamp.
Lap doffer, Automatic. T. S. Ramsdell. 2,031,008; Feb. 18.
Latch. J. T. Biglin. 2,031,522; Feb. 18.
Latch. W. L. Clark. 2,031,302; Feb. 18.
Lathe. C. W. Smith. 2,031,135; Feb. 18.
Lens blocking device. J. J. McCabe. 2,031,330; Feb. 18.
License plate holder for automobiles. F. Fuchs. 2,031,154; Feb. 18.
Light-sensitive cell control mechanism. A. G. Rainey. 2,031,503; Feb. 18.
Lighting device for automobiles. L. H. Tarbox. 2,031,342; Feb. 18.
Link type hinge. G. Demuth. 2,031,526; Feb 18.
Liquid spray apparatus. G. G. Budwig. 2,030,853; Feb. 18.
Liquids, Device for delivering measured quantities of. H. Budd. 2,031,031; Feb. 18.
Loading device for mixing machines. M. S. Moore. 2,031,544; Feb. 18.
Lock: *See*—
Automobile lock. Oscillation-type lock.
Lock. J. W. Fitz Gerald. 2,031,155; Feb. 18.
Lollipop figure. M. A. Burgard. 2,031,208; Feb. 18.
Lubrication and lubricant therefor. W. D. Hoden. 2,031,368; Feb. 18.
Machine for casting stereotype plates and the like. A. Schaffein. 2,031,132; Feb. 18.
Machine for inserting bottles, etc., into tight fitting tops. D. J. Renfroe. 2,031,005; Feb. 18.
Machine for making drums, bags, and the like. E. A. Muller. 2,031,570; Feb. 18.
Machine for making electrical cables. H. A. Staples. 2,031,014; Feb. 18.
Machine for making grinding wheels. J. G. Goodine. 2,031,158; Feb. 18.
Machine for making pretzels. H. A. Gerland. 2,031,365; Feb. 18.
Machine for transferring designs. D. V. Marocco. 2,031,223; Feb. 18.
Machine for use in the manufacture of chewing gum. C. E. Peterson. 2,031,573; Feb. 18.
Machine plate clamp, Lithograph offset. G. P. Dominaitis. 2,031,353; Feb. 18.
Machine tool. E. K. Morgan. 2,030,888; Feb. 18.
Magnet switch. L. M. Parsons. 2,030,959; Feb. 18.
Mail eye clinching device and method of forming cotton harness having metal eyes. S. E. Floyd. 2,030,977; Feb. 18.
Mandrel, Grinding wheel. J. H. Blair. 2,030,910; Feb. 18.
Marker, Plant. N. C. Vander Kraats. 2,031,394; Feb. 18.
Marker, Traffic. A. L. Voight. 2,031,296; Feb. 18.
Mastic floor topping. H. K. Linnell. 2,031,171; Feb. 18.
Match manufacturing. M. G. Pellpetz. 2,030,892; Feb. 18.
Material, Adhesively coated sheet. W. W. McLaurin. 2,031,275; Feb. 18.
Materials, Testing. R. H. Canfield. 2,030,855; Feb. 18.
Measuring apparatus. V. D. Barker. 2,030,956; Feb. 18.
Measuring system. M. E. Leeds. 2,031,050; Feb. 18.
Meat holder. J. E. Gleekler. 2,031,307; Feb. 18.
Medicinal ase compounds. R. R. Renshaw, E. T. Tisse, and E. F. Ducsel. 2,030,896; Feb. 18.
Medicinal monoase compounds. R. R. Renshaw, E. T. Tisse, and E. F. Ducsel. 2,030,897; Feb. 18.
Mercaptans, Preparation of. E. Bibel and A. Kirstahler. 2,031,529; Feb. 18.
Metal, Apparatus for extruding. J. J. Schwenk. 2,031,006; Feb. 18.
Metal, Apparatus for removing. J. L. Anderson. 2,030,841; Feb. 18.
Metal casting, Process for. P. C. Lemmerman. 2,031,531; Feb. 18.
Metallic coating recovering device. M. J. Briard. 2,031,080; Feb. 18.
Metals as volatile chlorides from ores and other matter containing the same, Removing. C. Hart. 2,030,867-8; Feb. 18.
Metals, Method and apparatus for fusing. J. A. Zublin. 2,031,068; Feb. 18.
Meter for indicating ratio of fluid fuel consumption to engine speed. W. F. Sutherland and G. G. Walz. 2,031,192; Feb. 18.
Micrometer centering device, Inside. H. C. Glaiw. 2,030,864; Feb. 18.
Milk, Apparatus for cooling warm. R. C. McKay. 2,031,274; Feb. 18.
Mill: *See*—
Grinding mill. Mixing mill.
Mill roll, making same, and product of such roll, Rolling. W. H. Payne. 2,030,891; Feb. 18.
Mining machine. F. A. Lindgren. 2,031,376; Feb. 18.
Mining machines, Attachment for. W. A. Logan. 2,031,421; Feb. 18.
Mitten and making the same, Knitted. W. C. Buchholz. 2,030,959; Feb. 18.
Mixer: *See*—
Mortar mixer.
Mixing machine. W. C. Blackmond. 2,030,847; Feb. 18.
Mixing mill. D. L. White. 2,030,949; Feb. 18.
Mixture measurer. E. B. Fairchild. 2,030,976; Feb. 18.
Moistureproof material and making same. W. H. Church, W. L. Hydes, and J. C. Siemann. 2,030,962; Feb. 18.
Mold: *See*—
Tire retreading mold.
Mold for the manufacture of teapots and the like. F. D. Foley. 2,031,258; Feb. 18.
Mop cleaner and receptacle, Dust. H. C. Liedtke and C. O. Wolen. 2,031,574; Feb. 18.
Mortar mixer. D. Miller. 2,031,326; Feb. 18.
Motor control, Self-locking. H. D. R. Lane. 2,031,521; Feb. 18.
Mount for machine guns. S. H. Negnette. 2,030,869; Feb. 18.
Mounting for panels. L. G. Hunter. 2,030,874; Feb. 18.
Mounting for rimless lenses. C. E. Eaddy. 2,031,359; Feb. 18.
Mower attachment, Lawn. F. T. Harrigan. 2,031,493; Feb. 18.
Nozzle. A. Schwarz. 2,031,537; Feb. 18.
Nutcracker. M. L. Stromberg. 2,031,189; Feb. 18.

Odometer, Printing. J. F. Ohmer. 2,031,060; Feb. 18.
Oil, Dewaxing. D. R. Merrill and P. Subkow. 2,031,117; Feb. 18.
Oil, Fractionation of mineral. C. E. Swift. 2,031,284; Feb. 18.
Oil from wax cakes, Separating. B. Hopper. 2,031,107; Feb. 18.
Oil, Process and apparatus for dewaxing. L. Dillon and C. E. Swift. 2,031,210; Feb. 18.
Oil, Process and apparatus for dewaxing. H. F. Fisher. 2,031,214; Feb. 18.
Oil, Producing lubricating. U. B. Bray. 2,031,696; Feb. 18.
Oil, Producing lubricating. U. B. Bray. 2,031,294; Feb. 18.
Oil testing device. L. L. Davis. 2,031,283; Feb. 18.
Oil treatment, Hydrocarbon. L. M. Henderson. 2,030,870; Feb. 18.
Oils and fats, Stabilization of. W. D. Richardson, D. F. Grettie, and R. C. Newton. 2,031,069; Feb. 18.
Oils, Castor machine. A. L. Blount. 2,031,405; Feb. 18.
Oils, Lubricating. E. F. Fevere and C. G. Ludeman. 2,031,227; Feb. 18.
Oils, Process and apparatus for dewaxing. D. R. Merrill. 2,031,118; Feb. 18.
Oils, Quenching. G. C. Shepherd, Jr. 2,031,431; Feb. 18.
Oils, Solvent extraction of. U. B. Bray. 2,031,205; Feb. 18.
Operating mechanism. R. R. Bush. 2,031,458; Feb. 18.
Organic cellular materials, Treatment of. H. J. Wolf. 2,031,243; Feb. 18.
Oscillation control device. A. Herckmans. 2,030,967; Feb. 18.
Oscillation generator. F. H. Engel. 2,031,100; Feb. 18.
Oscillation-type lock. J. L. Adams, Jr. 2,031,009; Feb. 18.
Oscillations, Production of. K. Hoegner. 2,031,106; Feb. 18.
Oscillator, Electric. O. M. Shattuck and M. E. Fultz. 2,031,076; Feb. 18.
Oscillator, Electron coupled thermionic. H. W. Parker. 2,030,931; Feb. 18.
Outlet, Convenience. G. B. Benander. 2,031,453; Feb. 18.
Package of matches. E. M. Solon. 2,031,011; Feb. 18.
Packed, flexible, conduit joint. G. C. Smith. 2,031,389; Feb. 18.
Packing, Method and apparatus for manufacturing. W. Liedle. 2,031,567; Feb. 18.
Pad: *See*—
Printing pad.
Pad and making the same, Abrasive supporting. L. D. Reed. 2,031,280; Feb. 18.
Pad for applying pressure to shoe bottoms. S. J. Finn. 2,030,915; Feb. 18.
Pail, Pour. C. H. Rollason. 2,031,006; Feb. 18.
Painter, Smokestack. J. W. Allen. 2,030,840; Feb. 18.
Panel chamfering machine. T. A. Peterman and F. Nicholson. 2,031,385; Feb. 18.
Paperboard and the like, Making moistureproof. C. G. Dreymann. 2,031,688; Feb. 18.
Paper developing apparatus, Automatic positive. L. G. Simjian. 2,031,010; Feb. 18.
Paper strips, Apparatus for forming, folding, and banding. A. A. Massini. 2,031,063; Feb. 18.
Parking apparatus. R. S. Taylor. 2,031,392; Feb. 18.
Partition, Stock-car. M. J. McQueen. 2,031,262; Feb. 18.
Pattern selecting mechanism. G. H. White. 2,031,346; Feb. 18.
Patty-hoe. C. N. Sonnenberg. 2,031,133; Feb. 18.
Pen, Fountain. I. D. Taft. 2,031,343; Feb. 18.
Pen point, Making a. H. J. Halpin and L. S. Henwood. 2,030,918; Feb. 18.
Pencil, Electric. R. H. Goldman. 2,031,533; Feb. 18.
Pencil pointer, Lead. H. H. Walters. 2,031,292; Feb. 18.
Perspectives, Apparatus for producing. J. Bartholomsky. 2,031,358; Feb. 18.
Phosphates of manganese, Preparation of. C. F. Booth. 2,031,579; Feb. 18.
Photoelectric tube. H. Geffcken and H. Richter. 2,031,102; Feb. 18.
Photoelectric tube. H. Geffcken and H. Richter. 2,031,102; Feb. 18.
Photographic copying apparatus. B. C. Roehri. 2,031,071; Feb. 18.
Photophone. G. M. Wright and G. F. Brett. 2,031,196; Feb. 18.
Pike, Safety. L. Jensen and R. Sherman. 2,031,044; Feb. 18.
Pile fabric. C. E. Barrett. 2,030,851; Feb. 18.
Pipe: *See*—
Tobacco smoking pipe.
Pipe and like structure, Composite. R. W. Mitchell. 2,031,057; Feb. 18.
Piston packing ring. C. A. Marion. 2,030,937; Feb. 18.
Piston ring. J. H. Stumpf. 2,031,341; Feb. 18.
Pitcher propeller, Automatic variable. R. B. Gomeny. 2,030,953; Feb. 18.
Planographic printing plate and process. A. W. Stephenson. 2,031,185; Feb. 18.
Planter, Potato. J. Reether. 2,031,547; Feb. 18.
Plowshare. J. A. and J. M. Romine. 2,031,546; Feb. 18.
Plug and receptacle, Disconnect. A. Alsaker and F. H. Cole. 2,031,296; Feb. 18.
Plug connecter. H. P. Dilly. 2,030,856; Feb. 18.
Pole, Ski. W. R. J. Oliver. 2,031,284; Feb. 18.
Post: *See*—
Battery terminal post. Derrick post.
Power plant. W. F. Keenan, Jr. 2,031,423; Feb. 18.
Power plant. J. S. Malseed, J. T. Welsh, and W. F. Keenan, Jr. 2,031,422; Feb. 18.
Power transmission mechanism. H. F. Hobbs. 2,031,414; Feb. 18.
Power transmission system, Electric. G. Pfaff. 2,030,935; Feb. 18.
Power tube. W. H. Kühle. 2,031,112; Feb. 18.
Preservative means for ropes and the like. A. W. Koon. 2,031,267; Feb. 18.
Press: *See*—
Hydraulic press.
Pressure apparatus, Variable. E. J. Crane and D. V. Waters. 2,030,966; Feb. 18.
Pressure compensator for oil- or compound-filled cables. F. Schrottke. 2,030,943; Feb. 18.
Printing and depositing mechanism. E. D. Rapisarda. 2,031,386; Feb. 18.
Printing pad. B. Dwofsky. 2,031,212; Feb. 18.
Products including aliphatic aldehydes, Making. K. Baur. 2,031,200; Feb. 18.
Program system, Automatic. G. B. Scheibell. 2,031,074; Feb. 18.
Program system, Selective. G. B. Scheibell. 2,031,075; Feb. 18.
Projection apparatus. L. W. Bowen. 2,031,361; Feb. 18.
Prop, Clothesline. N. Berg. 2,031,091; Feb. 18.
Protector: *See*—
Ski edge protector.
Pulp, Bleaching. H. John, C. C. LeFebvre, and H. Du Bois. 2,031,485; Feb. 18.
Pump: *See*—
Fuel injection pump.
Pump and condensing unit, Motor. H. R. Van Deventer. 2,031,080; Feb. 18.
Pump construction. E. H. Blunt. 2,031,456; Feb. 18.
Pump or compressor, Rotary. W. W. Wishart. 2,030,952; Feb. 18.
Punch. G. R. Ahlquist. 2,031,024; Feb. 18.
Quotation projecting or analogous apparatus. J. A. Spencer. 2,030,900; Feb. 18.
Rack: *See*—
Bag rack.
Radiator grille. C. L. Lewellen. 2,031,324; Feb. 18.
Radio receiver, System for remotely controlling a. A. S. Blatterman. 2,031,555; Feb. 18.
Radio signaling apparatus. J. C. Warner. 2,031,441; Feb. 18.
Ram. E. Kiecksee. 2,031,535; Feb. 18.
Razor, Safety. W. H. Black. 2,031,455; Feb. 18.
Razor, Safety. J. F. Mellen. 2,031,223; Feb. 18.
Reamer, Adjustable burnishing. R. R. Bishton. 2,030,843; Feb. 18.
Receptacle: *See*—
Bottle receptacle.
Receptacle filling apparatus. L. B. Winton. 2,030,951; Feb. 18.
Recording device. A. E. Berdon. 2,030,909; Feb. 18.
Rectifier. W. M. Fury. 2,031,411; Feb. 18.
Reel: *See*—
Conductor reel.
Reel. K. B. Porter. 2,031,501; Feb. 18.
Reenforcement supporting chair. H. G. Kessling. 2,031,286; Feb. 18.
Refrigerant mixture. G. F. Zellhoefer. 2,031,087; Feb. 18.
Refrigerating apparatus. J. G. King. 2,031,536; Feb. 18.
Refrigerating apparatus. J. Smilack. 2,031,550; Feb. 18.
Refrigeration apparatus. T. S. Safford. 2,030,942; Feb. 18.
Refrigeration apparatus. M. C. Terry. 2,031,237; Feb. 18.
Refrigerator. L. W. Atchison. 2,031,450; Feb. 18.
Refrigerator. T. J. Scofield. 2,031,283; Feb. 18.
Refrigerator accessory, Display. G. J. Hopkins. 2,030,923; Feb. 18.
Register, Autographic. L. Jensen. 2,031,370; Feb. 18.
Registering apparatus. D. V. Marocco. 2,031,221; Feb. 18.
Regulating apparatus for steam heating systems, Automatic. E. C. Wiley. 2,031,445; Feb. 18.
Regulator: *See*—
Gas pressure regulator. Viscosity regulator.
Repair device for cream separator disks. E. W. Brown. 2,031,250; Feb. 18.
Resin and preparation, Synthetic. C. P. Haskins. 2,031,481; Feb. 18.
Resins and making same, Infusible synthetic. A. Gams, G. Widmer, and K. Frey. 2,031,240; Feb. 18.
Resist effects with azo dyestuffs. C. S. Parker, C. L. Wall, and F. Farrington. 2,031,546; Feb. 18.
Rhodamine coloring matters and preparing the same. M. Wyler. 2,031,023; Feb. 18.
Ring: *See*—
Piston ring.
Piston packing ring.
Roasting apparatus. M. D. Woodruff, W. H. Meehlin, and J. Markley. 2,031,086; Feb. 18.
Robe support and bracket therefor, Automobile. A. Claudmantle. 2,031,496; Feb. 18.

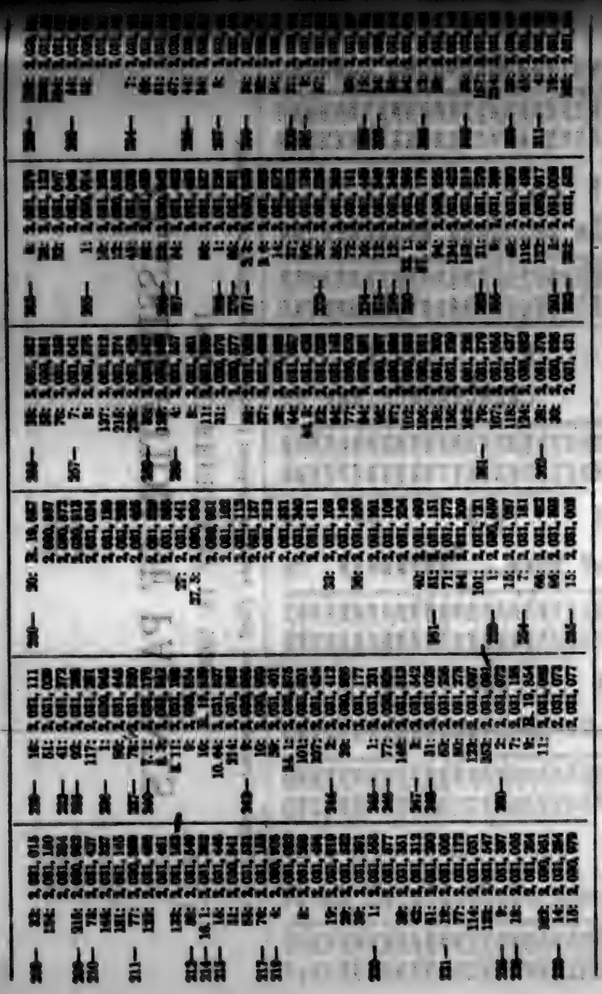
Rock drill. R. G. Gartin. 2,030,981; Feb. 18.
Roller: *See*—
Shade roller.
Rubber articles, Method and apparatus for treating. R. B. Day. 2,031,560–1; Feb. 18.
Safety cutting tool. H. P. Eck, I. B. and H. M. Rosenberg, and I. Fleer. 2,031,470; Feb. 18.
Safety device for gas ranges, gas boilers, etc. W. Katz. 2,031,415; Feb. 18.
Sandpaper and other abrasive papers and making same, Water-resistant. C. Ellis. 2,031,362; Feb. 18.
Sander. L. K. Silleox. 2,031,009; Feb. 18.
Sash, Window. L. Stoltenburg. 2,031,338; Feb. 18.
Scale, Weighing. F. V. Waltz. 2,031,489; Feb. 18.
Scoring device. E. W. Wahlin. 2,031,291; Feb. 18.
Scraper blade. J. K. Cushman. 2,030,969; Feb. 18.
Seal-flap gumming and drying in envelope machines. M. Goder. 2,031,281; Feb. 18.
Sealed bearing. K. G. V. Nilsson. 2,031,571; Feb. 18.
Seaming and pinking machine, Combined. H. C. Moulton. 2,031,545; Feb. 18.
Seat: *See*—
Adjustable seat.
Seat adjuster. S. K. Bishop. 2,031,248; Feb. 18.
Seeder, Broadcast. J. A. Macaulay. 2,031,540; Feb. 18.
Self-locking bracket. F. J. Burns. 2,030,960; Feb. 18.
Sewing machine, Electrically lighted. H. J. Goosman. 2,031,562; Feb. 18.
Sewing machine, Shoe. O. R. Haas. 2,031,479; Feb. 18.
Sewing machines, Feed reversing mechanism for. S. Laszlocsy. 2,031,323; Feb. 18.
Shackle support. J. W. Leighton. 2,031,492; Feb. 18.
Shade for greenhouses. L. H. Gilson. 2,031,157; Feb. 18.
Shade roller. H. F. Chambless. 2,031,459; Feb. 18.
Shade roller. J. W. Fay. 2,031,473; Feb. 18.
Shaped bodies of nonplastic metallic oxides, Making. R. Reichmann. 2,031,129; Feb. 18.
Shaving device and the like. D. M. Winans. 2,031,519; Feb. 18.
Shear blade clamp, Rotary. F. C. Biggert. 2,031,246; Feb. 18.
Sheet-folding machine. P. J. Christman. 2,031,301; Feb. 18.
Sheet separating and feeding device. G. Spiess. 2,031,078; Feb. 18.
Shoe heel. P. B. Sullivan. 2,031,511; Feb. 18.
Shoe sole. F. Vicente. 2,031,196; Feb. 18.
Short wave-long wave receiver. J. Rohnfeld. 2,031,130; Feb. 18.
Short wave receiver, Ultra. R. W. George. 2,031,103; Feb. 18.
Shovel. F. C. Brandenburg. 2,031,556; Feb. 18.
Sign: *See*—
Electrical advertising sign.
Signaling. H. O. Roosenstein. 2,031,072; Feb. 18.
Signaling system. E. E. Bier. 2,031,302; Feb. 18.
Signaling system. M. Cottrell. 2,031,465; Feb. 18.
Signaling system. R. R. Kemmerer. 2,030,924; Feb. 18.
Signals and controls for passenger and freight elevators and for other purposes. W. N. Dickinson. 2,030,912; Feb. 18.
Silk, Producing artificial. A. Hartmann and G. Bauriedel. 2,030,883; Feb. 18.
Ski edge protector. E. M. Eriksen. 2,031,150; Feb. 18.
Skiving machine. E. A. Williams and A. F. Berger. 2,030,950; Feb. 18.
Slag, Method and apparatus for handling. R. N. Wilson. 2,031,352; Feb. 18.
Slug casting machine, Typographical. W. F. Gerse and E. H. Scott. 2,031,306; Feb. 18.
Sodium and zinc sulphides, Making. T. A. Mitchell and R. L. Sessions. 2,030,887; Feb. 18.
Sole attaching apparatus. J. T. Lancaster. 2,031,491; Feb. 18.
Solvent, Nonflammable cleaning. M. A. Youtz. 2,031,144–6; Feb. 18.
Sound or other vibrations, Method of and apparatus for electrically recording and reproducing. M. Dunton. 2,030,973; Feb. 18.
Sound reproducing system. B. Olney. 2,031,560; Feb. 18.
Spherical machine. F. A. Peschl. 2,031,125–6; Feb. 18.
Sponge device, Washing and lathering. C. H. C. Borden. 2,030,911; Feb. 18.
Spraying device. L. M. Persons. 2,030,924; Feb. 18.
Spring bolt assembly. J. W. Leighton. 2,031,493; Feb. 18.
Stains from teeth, Removing. G. D. Laymon. 2,031,160; Feb. 18.
Stand for X-ray apparatus and the like. G. Bucky. 2,031,097; Feb. 18.
Staple driving machine. C. F. Kuch, Jr. 2,031,230; Feb. 18.
Starter, Engine. R. P. Lansing. 2,031,269; Feb. 18.
Steering gear, Hydraulic. H. F. Vickers. 2,030,902; Feb. 18.
Stencil, Finishing. S. A. O'Donnell. 2,031,225; Feb. 18.
Stoker controlling device. H. S. Morton. 2,031,130; Feb. 18.
Stool and auxiliary pedal for pianos. Y. Miyashita. 2,030,929; Feb. 18.
Stool and carrier, Combination. R. R. Moreland. 2,031,119; Feb. 18.
Stop, Flexible internal. J. J. McMahon. 2,031,424; Feb. 18.
Stopper, Nonrefillable bottle and container. L. Amari. 2,031,446; Feb. 18.
Strainer, Milk. C. A. E. Johnson. 2,031,165; Feb. 18.
Strap stretching device. W. C. Childress. 2,031,422; Feb. 18.
Sugarcane bagasse, Utilization of. A. M. Thomas. 2,031,230; Feb. 18.
Sulphur, Apparatus for burning. M. S. Maxim. 2,030,888; Feb. 18.
Sulphur burner. I. Bencowitz. 2,031,403; Feb. 18.
Sulphur dioxide, Manufacture of. E. E. V. Rhodin. 2,031,504; Feb. 18.
Support: *See*—
Arch and heel support. Shackle support.
Hose support.
Support for conductors. J. J. Taylor. 2,031,225; Feb. 18.
Surgical endoscopic instrument. F. C. Wappler. 2,031,020; Feb. 18.
Switch: *See*—
Magnet switch.
Switch mechanism, Control. W. M. Smith, P. B. Parks, and E. A. Russell. 2,030,945; Feb. 18.
Switch mechanism, Railway. C. C. Thorn. 2,031,513; Feb. 18.
Swivel, Rotary. J. D. Spalding. 2,031,537; Feb. 18.
Syringe, Hydrometer. F. Altmayer. 2,031,025; Feb. 18.
Table: *See*—
Collapsible drawing table. Illuminated folding table.
Hall table.
Table top extension clamp. A. F. Wagoner. 2,031,331; Feb. 18.
Tag. H. Roth. 2,031,229; Feb. 18.
Tagging machine. R. W. French. 2,031,476; Feb. 18.
Tank for storage of liquids, especially hydrocarbons. A. W. Syndergaard. 2,031,553; Feb. 18.
Telephone circuit, Operator's. H. T. Carter. 2,030,961; Feb. 18.
Telephone circuit, Operator's. E. Distas. 2,030,971; Feb. 18.
Telephone system, Automatic. J. E. Outline. 2,031,329; Feb. 18.
Test tube heater. H. A. Walker and H. P. Strand. 2,031,019; Feb. 18.
Textile assistants. O. Drapal. 2,030,830; Feb. 18.
Textile fibers, Device for continuous spinning and/or twisting of. O. G. J. S. de Roymancour. 2,031,467; Feb. 18.
Textile materials with rubber-containing liquids, Impregnation of. J. Brandwood. 2,031,094; Feb. 18.
Textile working device. S. E. Kalbach. 2,031,216; Feb. 18.
Thermionic oscillation generator. E. B. Moullin. 2,031,224; Feb. 18.
Thermostat with flexible connecting means, Bellows. M. H. Ward. 2,031,440; Feb. 18.
Thread tensioning attachment for textile machines. R. Schletter. 2,031,430; Feb. 18.
Tie holder. R. M. Wolfe. 2,030,905; Feb. 18.
Tilling machine, Rotary. N. C. Storey and F. R. Hasse. 2,031,189; Feb. 18.
Timepiece, Self-winding. W. A. Gabriel. 2,030,900; Feb. 18.
Time switch mechanism. C. Stokes. 2,031,187; Feb. 18.
Tin cutter. A. Swedeland. 2,031,190; Feb. 18.
Tinsel producing machine, Crinkled. P. Krans and A. Hartmann. 2,031,585; Feb. 18.
Tire groover. C. F. Boyer and G. W. Funke. 2,031,016; Feb. 18.
Tire-groover, Hand. W. F. Krig and G. M. Pfund. 2,031,472; Feb. 18.
Tire retreading mold. M. M. Fisher. 2,030,881; Feb. 18.
Tobacco smoking pipe. M. Champoux. 2,031,524; Feb. 18.
Tool: *See*—
Electric hand tool. Machine tool.
Honing tool. Safety cutting tool.
Tool for lock cylinders, Assembly. R. W. Griffith. 2,031,150; Feb. 18.
Tool handle, Fastening. D. W. Wisseler. 2,031,141; Feb. 18.
Tool holder, Offset side supported. O. Severns. 2,031,234; Feb. 18.
Toothbrush holder, Sanitary. C. V. and L. W. Lindblom. 2,031,115; Feb. 18.
Totalizer, Electric. F. T. Bolas and J. W. McClew. 2,031,284; Feb. 18.
Toy. W. J. Van Deest. 2,031,240; Feb. 18.
Toy airplane. W. Kramer. 2,031,419; Feb. 18.
Toy gun. J. Betty. 2,031,350; Feb. 18.
Toy locomotive, train and track. H. E. Thompson. 2,031,105; Feb. 18.
Tractor. H. S. Eberhard. 2,031,303; Feb. 18.
Tractor. E. A. Johnson. 2,031,317; Feb. 18.
Transmission. P. Blachof. 2,031,247; Feb. 18.
Transmission, Automatic. C. F. Bevan and A. E. Kilpatrick. 2,031,067; Feb. 18.
Transmission mechanism. M. Natalis. 2,031,089; Feb. 18.
Trap. J. D. Zahm and J. U. Lehr. 2,031,330; Feb. 18.
Tray, Ice. G. L. Tinkham. 2,031,515; Feb. 18.
Tray making apparatus. G. L. Tinkham. 2,031,516; Feb. 18.
Trolley. H. Durst. 2,031,148; Feb. 18.
Truck. F. M. Smith. 2,031,191; Feb. 18.

Truck, Portable. D. L. Lea. 2,030,925; Feb. 18.
Tube: *See*—
Discharge tube. Power tube.
Photoelectric tube.
Tube base and socket. A. Horewitz and J. Vizman. 2,031,313; Feb. 18.
Tubing catcher. W. H. McKissick. 2,031,056; Feb. 18.
Tuning indicator. A. Agricola. 2,031,295; Feb. 18.
Typewriting machine. W. A. Dobson. 2,030,858; Feb. 18.
Ultra-short wave receiver. H. E. Hollmann. 2,030,872; Feb. 18.
Underreamer. H. E. Woodruff. 2,031,353; Feb. 18.
Utensil, Electric cooking. C. A. Fox. 2,031,250; Feb. 18.
Vacuum cleaner. T. E. D. Bilde and A. Eriksson-Jons. 2,031,454; Feb. 18.
Valve: *See*—
Fuel mixing valve. Gate valve.
Valve. A. J. Eulberg. 2,031,151; Feb. 18.
Valve. O. W. Hahn. 2,031,309; Feb. 18.
Valve for hot water systems, Relief. W. B. Clifford. 2,031,558; Feb. 18.
Valve for vacuum brake systems, Fluid control. M. Paul and W. Gyr. 2,031,061; Feb. 18.
Valve operating mechanism for internal combustion engines. S. H. Attwood. 2,030,844; Feb. 18.
Valve structure. E. H. Mueller. 2,031,121; Feb. 18.
Vaporizer. J. Robinson. 2,030,896; Feb. 18.
Vat-dyestuffs of the anthraquinone series and making the same. W. Moser and W. Floroni. 2,031,068; Feb. 18.
Vehicle, Child's play. C. P. Nisehirk. 2,031,176; Feb. 18.
Vehicle, Child's wheeled. J. E. Stevenson. 2,031,015; Feb. 18.
Vehicle indicating lamp. J. C. Lester. 2,031,170; Feb. 18.
Vehicle jack. M. A. Tirabasso. 2,031,393; Feb. 18.
Vehicle spring suspension. A. F. Hickman. 2,031,482; Feb. 18.
Ventilation, Concealed skylight. L. W. Mulford. 2,031,328; Feb. 18.
Ventilator. F. E. Biggs. 2,031,404; Feb. 18.
Verifying machine for perforated records. M. Maul. 2,031,569; Feb. 18.
Vessel. H. M. Knight. 2,030,831; Feb. 18.
Vessel, Turbine-driven. H. Thormeyer. 2,031,436; Feb. 18.
Vibrator. G. B. Pickop. 2,030,936; Feb. 18.
Viscosity regulator. W. Thomas. 2,031,018; Feb. 18.
Volume control arrangement, Automatic. L. E. Thompson. 2,031,238; Feb. 18.
Wall table. E. W. Swanson. 2,031,287; Feb. 18.
Washboard. K. P. Oppermann. 2,031,178; Feb. 18.
Washer: *See*—
Gas washer.
Watering device, Automatic. T. Dodge. 2,031,146; Feb. 18.
Wattmeter, Compensated. G. H. Browning. 2,031,207; Feb. 18.
Wax from oil, Removing. B. Hopper. 2,031,109; Feb. 18.
Wax from oil, Separating. U. B. Bray. 2,031,095; Feb. 18.
Welded steel engine. B. Loeffler. 2,030,995; Feb. 18.
Welding. E. H. Taylor. 2,031,188; Feb. 18.
Welding apparatus, Electric arc. J. P. Tripp. 2,031,288; Feb. 18.
Welding machine. E. J. von Henke. 2,031,082; Feb. 18.
Wheel: *See*—
Buffing wheel. Emergency wheel.
Demountable wheel.
Wheel and axle assembly. F. H. Bender and F. E. Bachman. 2,031,093; Feb. 18.
Wheel and wheel cover. O. U. Zerk. 2,031,355; Feb. 18.
Wheel construction, Semiautomatic fifth. C. E. Dorsey, Jr. 2,031,256; Feb. 18.
Wheel inclosure, Vehicle. E. A. Koch. 2,031,219; Feb. 18.
Window control device for automobiles and other traveling vehicles. L. D. Boyce. 2,030,840; Feb. 18.
Wiper, Windshield. J. W. Anderson. 2,031,297; Feb. 18.
Wire article, Collapsible. M. D. Smith. 2,031,231; Feb. 18.
Wire broadcasting system. P. P. Eckersley and R. E. H. Carpenter. 2,031,528; Feb. 18.
Wire line drilling clamp. J. E. Neptune. 2,031,003; Feb. 18.
Wire splicer. L. E. Krouman. 2,031,167; Feb. 18.
Wireless direction finding, bearing finding, and similar system. S. E. Smith and T. L. Eckersley. 2,031,077; Feb. 18.
Wrapping machine. P. E. Kleineberg. 2,030,879–80; Feb. 18.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 18, 1936

NOTE.—First number—class, second number—subclass, third number—patent number



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Patents	703	Nos. 2,026,000 to No. 2,026,702, inclusive.	
Designs	98	No. 91,697 to No. 91,794, inclusive.	
Total	1,131		

Notices of Cancellation

U. S. PATENT OFFICE, Washington, Jan. 31, 1936.

Mexican American Habanero Corporation, its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by C. F. Hernandez, S. en C., 24 Calle de Cuahutemotzin Number 90, Mexico, D. F., to effect the cancellation of trade-mark registration of Mexican American Habanero Corporation, 32 East 40th Street, New York, N. Y., No. 319,899, dated December 5, 1933, and the notice of such proceeding sent by registered mail to the said Mexican American Habanero Corporation at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Mexican American Habanero Corporation, its assigns or legal representatives, shall enter an appearance within thirty days from the first publication of this notice the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

U. S. PATENT OFFICE, Washington, Jan. 31, 1936.

Robischon Corporation, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Sears, Roebuck and Co., 925 South Homan Avenue, Chicago, Ill., to effect the cancellation of trade-mark registration No. 174,210, issued October 3, 1923, to Robischon Corporation, 213 Fifth Avenue, New York, N. Y., and a notice of such proceeding sent by registered mail to said Robischon Corporation at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Robischon Corporation, its assigns or legal representatives shall enter an appearance within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD SPENCER,
First Assistant Commissioner.

U. S. PATENT OFFICE, Washington, Feb. 6, 1936.

Hungrafi Janos Corporation, its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Andreas Szelehner, Andrassyut 2 (2 Andrassy Avenue), Budapest, Hungary, to effect the cancellation of trade-mark registration No. 14,252, issued April 5, 1927, to Andreas Szelehner, Buda-Pesth, Hungary, and renewed April 5, 1917. The records of this Office show that Hungrafi Janos Corporation, 120 Fulton Street, New York, N. Y., is the assignee of said registrant. A notice of such proceeding sent by registered mail to said Hungrafi Janos Corporation having been returned by the post office as undeliverable, notice is hereby given that unless said Hungrafi Janos Corporation, its assigns or legal representatives shall enter an appearance within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

U. S. PATENT OFFICE, Washington, Feb. 6, 1936.

Hungrafi Janos Corporation, its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Andreas Szelehner, Andrassyut 2 (2 Andrassy Avenue), Budapest, Hungary, to effect the cancellation of trade-mark registration No. 14,252, issued April 5, 1927, to Andreas Szelehner, Buda-Pesth, Hungary, and renewed April 5, 1917. The records of this Office show that Hungrafi Janos Corporation, 120 Fulton Street, New York, N. Y., is the assignee of said registrant. A notice of such proceeding sent by registered mail to said Hungrafi Janos Corporation having been returned by the post office as undeliverable, notice is hereby given that unless said Hungrafi Janos Corporation, its assigns or legal representatives shall enter an appearance within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

Condition of Applications Under Examination at Close of Business February 8, 1926

(Total number of applications awaiting action, excluding Trade-Mark Division, 23,867; Trade-Mark Division, 1,508. Oldest new case, October 11, 1923; oldest amended, October 8, 1923. The dates given are 1925 except where † indicates 1926.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6634	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Cleaners Operators; Pedals; Gates; Tillage.	Oct. 9	Dec. 29	388
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Fences; Tobacco; Velocipedes; Butchering; Bee Culture.	Oct. 21	Oct. 31	722
6080	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Nov. 9	Nov. 8	466
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Stairs Service; Pneumatic Despatch; Fluid Pressure Brakes.	Nov. 14	Nov. 11	429
6626	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Nov. 13	Nov. 13	466
4626 C	6. LEWERS, A. M., Carbon Chemistry	Nov. 13	Nov. 11	168
6735	7. JARBOE, C. G., Optics; Photography	Dec. 4	Dec. 4	158
3589	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Nov. 5	Nov. 13	199
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	†Jan. 4	†Jan. 4	187
6812	10. HUNTER, O. P., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Dec. 12	Dec. 18	338
5207 D	11. BENHAM, E. V., Boots, Shoes, and Leggings; Buttons, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather	Nov. 13	Nov. 11	466
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Nov. 6	Nov. 6	452
6099	12. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling	Dec. 2	Dec. 2	268
6907	14. BRUMBAUGH, N. J., Furriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes	Nov. 4	Nov. 1	387
4807	15. WORRELL, I. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 20	Nov. 20	643
5012	16. SPENCER, C. J., Telegraphy; Telephony	Nov. 11	Nov. 11	311
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Assembling or Folding; Sheet or Web Feeding; Type Setting	Nov. 13	Nov. 13	339
6612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 7	Nov. 4	288
6096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Nov. 13	Nov. 13	468
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Nov. 7	Nov. 2	248
7726	21. THOMPSON, T. L., Textiles; Cloth Finishing	Nov. 13	Nov. 20	573
5726	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion	Nov. 12	Nov. 11	388
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Oct. 11	Oct. 2	421
6505	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Nov. 22	Nov. 13	333
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters; and Comminutors	Nov. 9	Nov. 8	543
6908	26. ADAMS, W. M., Electricity, Generation; Motive Power	Dec. 4	Dec. 2	288
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Nov. 12	Nov. 11	467
4626	28. BENSON, A. E., Internal-Combustion Engines	Dec. 3	Nov. 26	265
6662	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools, Furniture, Metal Working; Cloth, Leather, and Rubber Receptacles; Bagging; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables	Dec. 4	Dec. 3	211
4671	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats	Nov. 9	Nov. 9	427
6714	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Nov. 9	Nov. 8	388
4626	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Dec. 3	Dec. 3	263
6699	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roads; Roads and Pavements	Nov. 15	Nov. 15	388
6626	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock; Switches, and Signals; Track Gauges	Nov. 13	Nov. 8	462
5650	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles	Nov. 9	Nov. 8	823
7609	36. McFADYEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Dec. 9	Dec. 9	263
4626 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Nov. 5	Nov. 13	331
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions	Nov. 18	Nov. 20	371
6672	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Dec. 10	Dec. 9	327
7580	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Feb. 1	Nov. 2	388
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Springs; Devices; Typewriting Machines	Nov. 25	Dec. 3	444
5662	42. CUTTING, H. C., Electric Signaling	Nov. 13	Nov. 6	353
4626 D	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch	Nov. 14	Nov. 13	387
4627 D	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Oct. 21	Oct. 21	388
7697	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Gudgeon; Motors; Valve-Operating Mechanism; Engine Cooling	Dec. 14	Dec. 11	267
4618	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Cooling Implements	Nov. 11	Nov. 11	388
7630	47. BARKER, H., Clutches; Brakes	Dec. 2	Dec. 2	467
6731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Nov. 9	Nov. 9	668
7736	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilating; Driers; Liquid Purification	Dec. 5	Dec. 7	425
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber	Nov. 4	Nov. 4	324
5628	51. BACKUS, G. D., Radiant Energy	Dec. 5	Dec. 5	325
7709	52. KNOTTS, M. F., Supports; Climate; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing	Nov. 10	Nov. 13	544
6947	53. PECK, M. E., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging	Nov. 11	Nov. 9	611
5674	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical	Nov. 6	Nov. 5	439
6957	55. BOWEN, S. T., Cutlery; Assisted Body Members; Dentistry; Surgery	Nov. 15	Nov. 11	576
4715	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making; Substance Preparation	Nov. 11	Nov. 5	768
3635	57. NICOLSON, G. D. C., Cutting and Punching; Bolt, Nut, Rivet, Nail Screw, Chain, and Horseshoe Making; Drives and Screw Fastenings; Jewelry; Nut and Bolt Locks; Tags; Executing Devices	Nov. 26	Dec. 15	220
6665	58. DOWELL, R. F., Abrading; Bottles and Jars	Nov. 1	Nov. 8	397
4709	59. RICHARD, V. I., Chemistry; Fertilizers	Nov. 14	Nov. 12	529
6663	60. GLASS, S. L., Electricity, Heating, and Welding; Batteries; Resistance and Electrolytic Primary Power Devices	Dec. 9	Dec. 7	289
6726	61. PARKS, O. B., Laminated Electrical Insulation, Belt, Hose, Tire, and Belt Making; Winding and Reeling; Weaving and Plaiting; Hosiery; Time-Controlling Apparatus	Nov. 12	Nov. 10	306
5670	62. COCHRAN, W. W., Gauges; Geometrical Instruments	Dec. 10	Dec. 10	348
6628	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Oct. 25	Oct. 25	498
4722	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Cooling Compositions; Fuel; Alcohol	Nov. 25	Nov. 23	667
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 20	Oct. 27	574
2000 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND	Jan. 6	Jan. 13	1,141
		Jan. 5	Jan. 26	207
2005	Designs, H. H. KALUPY (Act.)	Jan. 9	Jan. 20	504

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

VICK CHEMICAL COMPANY v. THOMAS KERFOOT & CO., LIMITED

No. 3,332. Decided November 27, 1925

1. TRADE-MARKS—SIMILARITY—"VAPEX", AND "VICKS" AND "VAPORUB".

Trade-mark "Vapex" *Held* not confusingly similar to either of the marks "Vicks" or "Vaporub".

2. SAME—CANCELLATION PROCEEDING—PETITIONER NOT DAMAGED WHERE MARKS ARE NOT CONFUSINGLY SIMILAR.

Contention of petitioner for cancellation of a trade-mark registration, that registrant was not using same at time petition for cancellation was filed *Held* not material in cancellation proceeding since, in view of lack of confusing similarity between registrant's mark and those of petitioner, the latter was not damaged by the registration.

APPEAL from the Patent Office. Affirmed.

Mr. Edward S. Rogers, Mr. James F. Hoge, Mr. L. B. Stroughton, Mr. Francis L. Browne, and *Mr. Thomas L. Meade, Jr.*, for Vick Chemical Co.

Mr. Asher Blum, Mr. Hugo Mock, Mr. Walter L. Post, and *Mr. Charles E. Allen* for Thomas Kerfoot & Co., Ltd.

LENROOT, *J.*:

This is an appeal from a decision of the Commissioner of Patents, affirming a decision of the Examiner of Interferences which dismissed appellant's petition to cancel trade-mark registration No. 181,250, dated March 18, 1924, issued to appellee, for the word "Vapex." The said mark was registered for use upon an "inhalant for the relief of cold in the head and the like." The proceeding is under section 13 of the Trade-Mark Act of February 20, 1905, which section reads as follows:

SEC. 13. That whenever any person shall deem himself injured by the registration of a trade-mark in the Patent Office he may at any time apply to the Commissioner of Patents to cancel the registration thereof. The Commissioner shall refer such application to the Examiner in charge of interferences, who is empowered to hear and determine this question and who shall give notice thereof to the registrant. If it appear after a hearing before the Examiner that the registrant was not entitled on the use of the mark at the date of his application for registration thereof, or that the mark is not used by the registrant, or has been abandoned, and the Examiner shall so decide, the Commissioner shall cancel the registration. Appeal may be taken to the Commissioner in person from the decision of the Examiner of Interferences.

Appellant in its petition for cancellation alleges that, since prior to 1894, it has used the word "Vicks" as a trade-mark applied to various medicinal, pharmaceutical and chemical preparations, naming a number of such preparations, including "salve," and that

"At the present time the trade-mark VICKS is applied to liver pills, cough drops, nose and throat drops, and a sufficient salve used in the treatment of colds."

that said mark was duly registered on November 10, 1918, registration No. 122,007; that since about 1911 petitioner (appellant) has also used as a trade-mark for said salve the word "Vaporub," and that said last-named mark, together with the mark "Vicks," has since 1911 been conspicuously applied to packages containing said salve; that the said mark "Vaporub" was registered on April 6, 1915, registration No. 103,001. Petitioner alleges that the goods upon which its marks are used and the goods upon which the said mark "Vapex" is used are of the same descriptive properties; that the word "Vapex" so nearly resembles both of petitioner's registered marks, "Vicks" and "Vaporub," as to be likely to cause confusion in the mind of the public and to deceive purchasers, and that said mark "Vapex" has in fact caused such confusion.

The petition for cancellation further alleges that said mark "Vapex"

"is not now used, and for several years preceding this time has not been used in inter-state commerce in the United States by the registrant, Thos. Kerfoot & Co., Limited, but is used by some firm or person other than said registrant."

The petition further sets out the usual allegations of injury and damage.

The answer of appellee denies that the goods to which the mark "Vapex" is applied are of the same descriptive properties as are the goods to which appellant's marks are applied, denies the allegation of the petition with regard to the similarity of the respective marks, and alleges that there never has been any confusion in the mind of the public growing out of the use of the said marks by the respective parties; denies that it was not using or had not used the said mark "Vapex" for several years preceding the filing of appellant's petition; alleges that it is the present owner of said mark, and denies petitioner's allegations of injury and damage.

Both sides took voluminous testimony. Appellee objected to certain letters offered by appellant as incompetent and hearsay and not duly authenticated, to which reference will be made hereinafter. Appellee also objected to certain rebuttal testimony offered by appellant upon the ground that such testimony should have been part of appellant's case in chief and was not proper rebuttal. This also we shall advert to later herein.

Most of the testimony offered by appellant was in support of its claim of actual confusion in the mind of the public respecting the marks "Vapex," "Vicks," and "Vaporub," and most of the testimony offered by appellee was in support of its contention that no such confusion existed.

The Examiner of Interferences held that, from an inspection of the marks as a whole, confusion in trade was not likely, and that the evidence in the case, apparently including the letters to which appellee had objected as aforesaid, did not possess sufficient probative force to change or vary his conclusion arrived at from an inspection of the marks. The Examiner of Interferences declined to consider the evidence produced by appellant in rebuttal relating to confusion in trade, holding that such evidence was a part of the case in chief for appellant.

It appears also that it was contended before the Examiner of Interferences that the question of con-

fusion was *res adjudicata* by reason of a previous opposition proceeding in the Patent Office between the parties hereto, wherein appellee sought the registration of the word "Vapex" inclosed within a triangle, which application for registration was opposed by appellant, setting up the marks "Vicks" and "Vaporub" and a triangle. In said proceeding the opposition of appellant was sustained and the application of appellee for said registration refused. The Examiner of Interference held that the decision in said proceeding was not *res adjudicata* upon the question here involved for the reason that the marks there involved were not the same as are the marks in issue here.

Appellant apparently did not press this contention before the Commissioner, and in this court makes no claim that the decision in said former proceeding is *res adjudicata* of the issue here involved.

Upon appeal to the Commissioner the decision of the Examiner of Interferences was affirmed, whereupon appellant took the appeal now before us.

The Commissioner in his decision, while holding that the letters hereinbefore referred to were not competent evidence, and affirming the holding of the Examiner that appellant's evidence in rebuttal was improper, stated that, even considering all the foregoing as proper evidence, and all the other evidence in the record, he was of the opinion that confusing similarity between the marks of the respective parties had not been established. He also held that appellant's contention that appellee was not using the mark "Vapex" had not been established, stating that the statute is "not susceptible to the narrow interpretation contended for."

Before us appellant makes two contentions, as follows:

[1] That the record establishes that the mark "Vapex" is confusingly similar to the marks "Vicks" and "Vaporub," when applied to the goods of the respective parties, or at least there is such doubt upon this question that, under the familiar rule, it should be resolved against the newcomer.

[2] That the record establishes that the mark "Vapex" was not used by appellee at the time this proceeding was initiated.

That the goods of the respective parties are of the same descriptive properties, and that appellant's use of the marks "Vicks" and "Vaporub" and registration of the same were prior to the use and registration of the mark "Vapex" by appellee, is conceded.

It appears from the testimony that appellant's goods to which the marks "Vicks" and "Vaporub" are applied are widely distributed throughout the entire United States. The vice president of appellant testified that, during the five year period from 1927 to 1932, an annual average of between 15 and 20 million families in the United States had been purchasers of "Vicks Vaporub," and that in 1933 over 26 million jars of this article were sold.

Likewise sales of goods to which the mark "Vapex" is applied are extensive, the testimony showing that such sales amount to approximately 1,000,000 bottles annually.

Appellant relies not only upon the claim of confusing similarity between its marks "Vicks" and "Vaporub" and appellee's mark "Vapex," which it claims is apparent from an inspection of the marks, but it contends that the evidence produced by it establishes actual confusion in commerce in the use of said marks by the respective parties, particularly as relating to the origin of the goods to which the marks are applied.

We are in agreement with the views of the Commissioner and the Examiner of Interferences that an inspection of the marks themselves fails to reveal a confusing similarity between the mark "Vapex" and either of the marks "Vicks" and "Vaporub." As observed by the Commissioner, "Vicks" and "Vapex"

"have only the initial letter in common, and while the spoken words terminate with the same sound, even then they are clearly distinguishable in that the first has only one syllable while the latter has two."

We do not think that the ordinary purchaser would be likely to be confused or mistaken either as to goods or origin by the slight similarity between the marks "Vapex" and "Vicks."

With respect to the similarity between the marks "Vapex" and "Vaporub," the Commissioner in his decision said:

* * *. As between "Vaporub" and "Vapex" the only similarity, either when written or spoken, is the first syllable, "Vap"; and in view of the obvious differences it is difficult to comprehend how this one syllable in common could result in confusion. * * *

We would also observe in this connection that it is the well settled rule that, in determining the question of confusing similarity between marks, such marks must not be dissected but must be considered as a whole. *Vick Chemical Co.* v. *Maurice H. Cordry*, 19 C. C. P. A. (Patents) 828, 54 F.(2d) 428, 417 O. G. 271.

We are clear that an inspection of the marks in issue does not reveal a confusing similarity between the mark "Vapex" and appellant's marks "Vicks" and "Vaporub."

However, appellant's counsel contends that actual confusion between said marks has been established to such an extent that it should be held that the use of the word "Vapex" upon the goods to which it is applied so nearly resembles appellant's marks as to be likely to cause confusion or mistake in the mind of the public. In support of this contention appellant introduced the testimony of 19 witnesses, and certain documents and letters. Appellee, in support of its contention that there was no confusing similarity between said marks, introduced the testimony of 69 witnesses, and certain documents.

The Examiner of Interferences considered all of the evidence in the record except the testimony offered by appellant in rebuttal, which he declined to consider upon the ground that such testimony was not proper rebuttal, but related only to appellant's case in chief. With respect to the evidence considered by the Examiner, as aforestaid, we find the following in his decision:

The testimony of both parties has been carefully considered by the Examiner. It is believed that the testimony of the petitioner, for reasons that will more fully hereinafter appear, possesses much less probative force than is claimed for it by the petitioner. No attempt is made herein to determine its value relative to that offered by the respondent. It suffices to state that, giving the maximum probative force to which the testimony of the petitioner is believed to be entitled, it does not change, or vary, substantially, the conclusion which the Examiner has reached from an inspection of the marks themselves considered as a whole and which the parties actually use in trade. This conclusion is that confusion in trade is not likely. Otherwise stated, the Examiner is not willing to here surrender his own judgment on this matter by reason of the testimony produced by the petitioner. * * *

The Commissioner in his decision, after analyzing certain of the testimony offered in behalf of appellant, stated as follows:

In determining the weight and effect to be given the evidence just referred to, and similar testimony of other witnesses, I have necessarily been influenced to some extent by the enormous volume of petitioner's sales. Its vice-president, Mr. Allen T. Preyer, testified that during the five year period from 1927 to 1932, an annual average of between fifteen and twenty million families in the United States had been purchasers of "Vicks Vaporub"; and the record discloses that of this item alone over 26,000,000 jars were sold in 1933. It is not surprising, therefore, if occasional instances of confusion occurred; for as observed by the Court in the case of *Parfumerie Roger & Gallet* v. *M. C. M. Co.*, (C. C. A. 2d Cir.) 24 Fed. (2d) 696, "Some buyers will be confused by the most remote similarities."

Petitioner also offered in evidence about 80 letters, post cards, and other communications claimed to have been received by it from various unidentified firms and individuals, which would tend to indicate that the purported senders had confused "Vapex" with one or another of petitioner's products, or believed it was manufactured by petitioner. No foundation was laid for the introduction of any of these communications, save that of Mrs. Patrelis, whose testimony has already been referred to; and I am therefore clearly of the opinion that they are not competent evidence. Subject to certain exceptions which have no application here the rule is fundamental that before any document may properly be received in evidence there must be some proof of its authenticity. *Consolidated Grocery Co.* v. *Hammond* (C. C. A. 9th Cir.) 173 Fed. 641; *Varley Co.* v. *Gottheimer* (C. C. A. 2d Cir.) 182 Fed. 668; *Jones* v. *Wemple* (C. C. A. 8th Cir.) 238 Fed. 890; *Henry Homeike, Inc.*, v. *Albert Homeike & Co., Inc.*, 167 N. Y. S. 235, 179 App. Div. 718 (Aff. 227 N. Y. 561).

Petitioner insists that the communications referred to were admissible, without authentication, to show confusion in the public mind, and cites as authority for this proposition the case of *Parfumerie Roger & Gallet* v. *M. C. M. Co., Inc.*, supra. It was there held that certain letters received by plaintiff had been improperly excluded "on the ground that they were self-serving declarations." The Court said: "That of course they are not, and moreover they seem to us, all things considered, to have been enough authenticated to be competent." Here, however, the ground of objection was that the proffered exhibits were "incompetent and hearsay," and they were read into the record without any pretense of authentication, so that obviously the case cited can have no application.

But even if all these communications were properly before me I would be unable to find from the whole record that the claimed confusion had been established. Throughout the period covered by this correspondence petitioner was receiving in excess of five hundred pieces of mail per day. And as may readily be expected this huge mass of correspondence included references not only to "Vapex" but to such utterly dissimilar marks and names as Musterole, Mentholatum and Lander's Cough Drops. Mr. W. A. Smith, an employe of petitioner, stated in his testimony:

"We received mail for Vapex. We received mail for Strohmeier's Cough Drops, and others too numerous to remember."

In view of the large amount of mail received errors of this kind were bound to and did occur, regardless of whether petitioner's marks were or were not similar to those of other manufacturers. Under such circumstances evidence of this character is unimpressive. *Standard Accident Insurance Co.* v. *Standard Surety & Casualty Co.*, 58 Fed. (2d) 119.

With respect to the testimony offered by appellant in rebuttal the Commissioner stated:

Complaint is made because the Examiner of Interferences declined to consider certain evidence introduced by petitioner on rebuttal. Without going into detail it is sufficient to say that all this evidence, in so far as it is competent for any purpose, is merely cumulative of petitioner's evidence in chief, and the Examiner of Interferences was therefore fully justified in the ruling complained of. In reaching the conclusions above outlined, however, I have given this evidence the same consideration as that offered in chief.

It will be observed from the foregoing that the Commissioner held that certain evidence offered by appellant was inadmissible for the reasons stated by him, but that, assuming the same to be admissible, it would not change his conclusion that the confusion claimed by appellant had not been established.

We do not find it necessary to pass upon the admissibility of the evidence referred to by the Commissioner because, assuming that it was admissible, and giving to it all the weight to which it is entitled, we are in agreement with the Commissioner that the record fails to establish that the mark "Vapex," as used by appellee, so nearly resembles the marks "Vicks" and "Vaporub," as used by appellant, as to be likely to cause confusion or mistake in the mind of the public.

We think the views expressed in the case of *P. Lorillard Co.* v. *Peper*, 86 Fed. 956, are applicable to the facts in the case at bar. The court there said:

* * *. It may well be that, where many sales were made, some individuals, not particularly attentive, may have purchased the defendant's, supposing they were purchasing the plaintiff's, package. Such things will happen in the ordinary course of business, no matter how great the differences; and the fact that they do happen, while it is not to be ignored, is not to outweigh the evidence which comes from a personal inspection of the packages and labels.

[1] We do not deem it necessary to analyze the voluminous testimony in the record, and content ourselves with stating that, assuming, without deciding, that all of the evidence offered by appellant was admissible, it does not outweigh the evidence which comes from an inspection of the respective marks in issue. We are clearly of the opinion, from such inspection, that there is no confusing similarity between them.

[2] Appellant makes another contention, viz., that it is shown by the record that the mark "Vapex" was not used by appellee at the time appellant filed its petition for cancellation of the mark. It is not necessary for us to set out the facts upon which appellant bases this contention because, even if such contention were established, appellant would not be entitled to a cancellation of appellee's registration of the mark "Vapex", for the reason that, since said mark is not confusingly similar to appellant's marks here involved, it, appellant, could not be damaged by the registration of the mark "Vapex" by appellee.

It is well established that in cancellation proceedings damage must be shown in order to sustain the cancellation of a mark. *American Cyanamid Co.* v. *Synthetic Nitrogen Products Corp.*, 19 C. C. P. A. (Patents) 1235, 58 F.(2d) 534, 423 O. G. 299; *Model Brassiere Co., Inc.*, v. *Bromley-Shepard Co., Inc.*, 18 C. C. P. A. (Patents) 1294, 49 F.(2d) 492, 411 O. G. 893. In the last cited case we said:

* * * He (the petitioner for cancellation) would have no right to complain about the registration of the offending mark if, at the time he filed his petition, he was not injured by it. * * *

In the case of *United Shoe Machinery Corp.* v. *Compo Shoe Machinery Corp.*, 19 C. C. P. A. (Patents) 1009, 56 F.(2d) 292, 421 O. G. 4, we said:

The statute gives any person who believes he would be damaged the right to oppose, and any person who shall deem himself injured the right to petition for cancellation. These provisions are very broad and should be broadly construed. Of course, Congress did not mean to grant these rights to a mere intermeddler, to one who had no interest in the sale of the term, and thereby authorize such a person to interfere in the affairs of others and in the business of the Patent Office. Certainly the person seeking

to cancel a registration or oppose an application for registration must have a greater interest than a member of the general public who by such registration suffers no invasion of his rights and privileges. It is well understood in the application of equitable remedies that one who seeks such application be bound to show an interest in a suit personal to himself and not such an interest as he has only by virtue of being a citizen. *Tyler v. Judges of the Court of Registration*, 179 U. S. 405, 408; *Massachusetts v. Mellon*, 262 U. S. 447, 488. We know of no reason why this rule does not apply here.

Inasmuch as we have held that the marks here in issue are not confusingly similar, appellant could not be damaged by the registration of the mark "Vapex" by appellee, within the meaning of section 13 of said Trade-Mark Act of February 20, 1905.

It appears that, after the original certification of the transcript of record by the Commissioner of Patents, appellee suggested a diminution of the record and proceedings in said cause, whereupon this court issued a writ of certiorari, pursuant to which certain additions to the record were certified to the court by the Commissioner of Patents and printed. The court, in issuing the writ, ruled that the assessment of costs for the printing of such additions to the record should await the final determination of the case. We find that the matters certified, pursuant to our order, should have been originally included in the record by appellant. Therefore, the costs of printing such additions to the record, which are found on pages 920, 921, 922, and 923 of the record, are assessed against the appellant.

For the reasons stated herein, the decision of the Commissioner of Patents is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,221,580, 1,819,295, D. Pudlin, Eyes for dolls; 1,254,982, O. E. Denivelle, Doll's eyes; 1,571,916, L. J. Grubman, Method and means for applying eye mountings in doll heads; 1,907,958, same, Artificial eyes; Re. 16,433, same, Eye mounting for dolls, D. C., S. D. N. Y., Dec. E 77/302, *Morgan Corp. v. Wilbur Mfg. Corp. et al.* Consent decree for plaintiff (notice Dec. 20, 1935). Dec. E 79/16, *Morgan Corp. v. Ycaza Doll & Toy Mfg. Co., Inc.* Decree as above.

1,224,632, W. Ghiglieri, Traffic signal; 1,236,441, F. J. Husbands, Automatic traffic signal; 1,524,247, same, Automatic traffic regulator; 1,268,288, J. W. Sot, Signal for street intersections, D. C., S. D. Calif. (Los Angeles). Doc. E 58-J, *Acme Traffic Signal Co. v. General Electric Co.* Dismissed with prejudice Dec. 27, 1935.

1,236,441. (See 1,224,632.) 1,268,288. (See 1,224,632.)

1,297,183 (c), I. Langmuir, System for amplifying variable currents; 1,573,374, P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same, filed Dec. 16, 1925, D. C., N. D. Ill., E. Div., Doc. 14931, *Radio Corp. of America et al. v. O. L. Storm et al.* Dec. 14965, *Radio Corp. of America et al. v. Congress Radio Co., Inc., et al.*

1,297,183 (b), I. Langmuir, System for amplifying variable currents; 1,573,374, P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same; 1,738,879, same, Amplifying system, filed Dec. 16, 1925, D. C., N. D. Ill., E. Div., Doc. 14975, *Radio Corp. of America et al. v. E. W. Stamm et al.* (The Atwater Co.) Doc. 14977, *Radio Corp. of America et al. v. Metro Electrical Industries, Inc., et al.* Doc. 14978, *Radio Corp. of America, et al. v. E. Mras* (Hi-Lo Radio Co.). Doc. 14,988, *Radio Corp. of America, et al. v. E. B. Rogers* (*Adams Radio Laboratory*) Doc. 14987, *Radio Corp. of America, et al. v. G. Wolf et al.* (*Illinois Radio Stores, Inc.*), Doc. 14989, *Radio Corp. of America et al. v. J. M. Earle* (*Woodlawn Radio & Music Co.*)

1,297,183 (c); I. Langmuir, System for amplifying variable currents; 1,573,374, P. A. Chamberlain, Radio condenser; 1,613,017, F. Lowenstein, Wireless telegraph apparatus; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same, Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, filed Jan. 4, 1926, D. C., S. D. N. Y., Doc. E 82/98, *Radio Corp. of America et al. v. M. Shapiro et al.* (*Silv Radio Stores*).

1,810,298. (See 1,221,589.) 1,854,282. (See 1,221,589.)

1,873,894. (See 1,721,962.)

1,403,475 (a); H. D. Arnold, Vacuum tube circuit; 1,403,982, E. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,613,017, F. Lowenstein, Wireless telegraph apparatus; 1,702,832, W. E. Lemmon, Electrical condenser; 1,811,005, H. J. Round, Thermionic amplifier and detector; 1,936,162, R. A. Heising, Transmission system; Re. 16,573, Ballantine & Hull, Demodulator and method of demodulation, filed Dec. 16, 1925, D. C., N. D. Ill., E. Div., Doc. 14974, *Radio Corp. of America et al. v. E. W. Stamm et al.* (Stamm Co.)

1,403,475 (b), H. D. Arnold, Vacuum tube circuit; 1,403,982, E. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,811,005, H. J. Round, Thermionic amplifier and detector; 1,936,162, R. A. Heising, Transmission system; Re. 16,573, Ballantine & Hull, Demodulator and method of demodulation, filed Dec. 16, 1925, D. C., N. D. Ill., E. Div., Doc. 14976, *Radio Corp. of America et al. v. Metro Electrical Industries, Inc., et al.* Doc. 14,978, *Radio Corp. of America et al. v. E. Mras* (*Hi-Lo Radio Co.*).

1,403,475 (c), H. D. Arnold, Vacuum tube circuit; 1,403,982, E. H. Wilson, Electron discharge device; 1,613,017, F. Lowenstein, Wireless telegraph apparatus; 1,707,617, W. E. Lemmon, Electrical condenser; 1,811,005, H. J. Round, Thermionic amplifier and detector; 1,936,162, R. A. Heising, Transmission system; Re. 16,573, Ballantine & Hull, Demodulator and method of demodulation, filed Dec. 16, 1925, D. C., N. D. Ill., E. Div., Doc. 14980, *Radio Corp. of America et al. v. O. L. Storm et al.* Dec. 14982, *Radio Corp. of America et al. v. E. B. Rogers* (*Adams Radio Laboratory*) Dec. 14984, *Radio Corp. of America et al. v. G. Wolf et al.* (*Illinois Radio Stores, Inc.*) Dec. 14986, *Radio Corp. of America et al. v. Congress Radio Co., Inc.*, et al. Dec. 14988, *Radio Corp. of America et al. v. J. M. Earle* (*Woodlawn Radio & Music Co.*).

1,403,982. (See 1,403,475 (a), (b), and (c).)

1,507,016. (See 1,403,475 (a) and (b).)

1,507,017. (See 1,403,475 (a) and (b).)

1,894,197. (See 1,297,183 (c).)

1,537,060, A. Campbell, Car construction; 1,537,061, same, Railway car construction, filed Dec. 4, 1925, D. C., N. D. Ill., E. Div., Doc. 14965, *Enterprise Reg. Equipment Co. v. Pullman-Standard Car Mfg. Co.*

1,537,061. (See 1,537,060.) 1,611,516. (See 1,221,589.)

1,573,374. (See 1,297,183 (a), (b), and (c).)

1,584,615. (See 16,433.)

1,613,017. (See 1,403,475 (a), (c), and 1,297,183 (c).)

1,707,595. (See 1,403,475 (c).)

1,707,617. (See 1,297,183 (c), (b), and (c).)

1,721,962, A. Hutchinson, Jr., Steering attachment for windshields; 1,873,894, J. W. Murphy, Conformation preventing device; Re. 17,321, H. H. Stetson, Anti-frost device for windows, filed Dec. 2, 1925, D. C., N. D. Ill., E. Div., Doc. 14951, *Holshaver Products Corp. v. Continental Products, Inc.*

1,723,579. (See 1,297,183 (b).)

1,784,406, G. Rousseau, Steering sight adapted to be fitted to the wings of the mudguards of motor vehicles; 1,877,428, same, Motor vehicle steering sight, filed Dec. 9, 1925, D. C., N. D. Ill., E. Div., Doc. 14963, *Casco Products Corp. et al. v. G. Berkson.*

1,795,214. (See 1,297,183 (a), (b), and (c).)

1,811,005. (See 1,403,475 (a), (b), and (c).)

1,877,428. (See 1,784,406.)

1,894,197. (See 1,297,183 (a), (b), and (c).)

1,907,958. (See 1,221,589.)

1,936,162. (See 1,403,475 (a), (b), and (c).)

Re. 16,433. (See 1,221,589.)

Re. 16,542 (of 1,586,668), W. L. Fairchild, Vulcanizing apparatus, D. C., N. D. Ohio, E. Div., Doc. 3110, *Tacoma Corp. et al. v. The Goodyear Tire & Rubber Co.* Claims 22 and 24 held valid but not infringed; claims 30, 31, 32, and 38 held invalid Dec. 30, 1935.

Re. 17,321. (See 1,721,962.)

Re. 18,579. (See 1,297,183 (c), 1,403,475 (a), (b), and (c).)

T. M. 109,864, T. M. 159,878, T. M. 167,085, T. M. 172,460, T. M. 284,248, General Baking Co., Bread; T. M. 159,357, same, Cakes, pastry, biscuits, cookies, crackers and fried bakery products; T. M. 201,222; T. M. 201,259, T. M. 205,588, same, Cake; T. M. 206,328, same, Bread, rolls, doughnuts, etc., filed Dec. 12, 1925, D. C., N. D. Ill., E. Div., Doc. 14976, *General Baking Co. v. Goldblatt Bros., Inc.*

T. M. 159,357. (See T. M. 109,864.)

T. M. 159,878. (See T. M. 109,864.)

T. M. 167,085. (See T. M. 109,864.)

T. M. 172,460. (See T. M. 109,864.)

T. M. 201,222. (See T. M. 109,864.)

T. M. 201,259. (See T. M. 109,864.)

T. M. 205,588. (See T. M. 109,864.)

T. M. 206,328. (See T. M. 109,864.)

T. M. 284,248. (See T. M. 109,864.)

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,879,760, J. E. Green, Luminous tube, decided November 30, 1935, claims 4 and 9.

Pat. 1,992,526, W. T. Powell, Remotely controlled radio receiving system, decided January 17, 1936, claims 1, 2, 3, 4, and 5.

Pat. 2,002,444, H. A. Woodruff, Refrigerator evaporator, decided January 13, 1936, claim 1.

Disclaimers

1,713,628.—*Richard H. Schleifer*, Philadelphia, Pa. ATTACHMENT FOR FLAT-KNITTING MACHINES. Patent dated May 21, 1929. Disclaimer filed January 18, 1936, by the assignee, *Textile Machine Works*.

Hereby enters this disclaimer to claim 10 of said Letters Patent.

1,863,302.—*Ralph A. Goleniman*, Wilkinsburg, Pa. REGULATOR SYSTEM. Patent dated June 14, 1932. Disclaimer filed January 22, 1936, by the assignee, *Westinghouse Electric & Manufacturing Company*.

Hereby enters this disclaimer to claims 2 and 4 of the patent specification.

1,982,774.—*Joseph Louis Finck*, Washington, D. C. MEANS FOR INSULATING BUILDINGS AND LIKE STRUCTURES. Patent dated October 16, 1934. Disclaimer filed February 8, 1936, by the patentee and the assignee, *I. Richard Paris*.

Hereby disclaim claim 13 of said patent except such wall structures as defined in said claim 13 wherein the flexible sheet material set forth in said claim 13 is non-metallic flexible sheet material and wherein the metallic surface set forth in said claim 13 is in the form of a thin metallic coating.

1,899,451.—*Frank W. Andrews*, Dayton, Ohio. REFRIGERATING APPARATUS. Patent dated December 13, 1932. Disclaimer filed January 24, 1936, by the assignee, *General Motors Corporation*.

Hereby enters this disclaimer to that part of the specification which is claim 5.

2,002,444.—*Henry K. Woodruff*, Schenectady, N. Y. REFRIGERATOR EVAPORATOR. Patent dated May 21, 1935. Disclaimer filed February 6, 1936, by the assignee, *General Electric Company*.

Hereby enters this disclaimer of claim 1 of said patent.

2,023,752.—*Gustave E. Landt*, Norristown, Pa. BENDABLE LAMINATED PRODUCT. Patent dated June 4, 1935. Disclaimer filed February 5, 1936, by the assignee, *Ohio Products Corporation*.

Hereby enters this disclaimer to claims 1, 2, 5, and 6 in said patent.

Changes in Classification

Order No. 3,843, February 6, 1936, directs:

In *class 31, Dairy* (Division 2), abolish the following subclass, with its definition:

Processes
- 56 Cheese.

The patents formerly contained in this subclass have been placed for the most part in class 195, Chemistry, Fermentation, established in this order, and in class 99, Foods and Beverages.

In *class 86, Paper Making and Fiber Liberation* (Division 56), abolish the following subclass, with its definition:

Stock treatment
- Fiber
  - 5 Bacteria.

The patents formerly contained in this subclass have been placed for the most part in class 195, Chemistry, Fermentation, established in this order.

In *class 127, Sugar, Starch, and Carbohydrates* (Division 48), abolish the following subclass, with its definition:

Processes
- Carbohydrate manufacture and refining
  - 35 Biochemical treatments.

The patents formerly contained in this subclass have been placed for the most part in class 195, Chemistry, Fermentation, established in this order.

In *class 203, Distillation* (Division 64), abolish the following subclass, with its definition:

Processes
- Separatory
  - With distillant treatment
    - 58 Hydrolysis and fermentation.

The patents formerly contained in this subclass have been placed for the most part in class 195, Chemistry, Fermentation, established in this order.

In *class 260, Chemistry, Carbon Compounds* (Division 6), abolish the following subclasses, with their definitions:

Carbohydrate acids
- Aliphatic
  - 135 Fermentation.

Ketones
- Aliphatic
  - 135 Fermentation.

The patents formerly contained in these subclasses have been placed for the most part in class 195, Chemistry, Fermentation, established in this order.

In class 99, Foods and Beverages (Division 53), establish the following subclasses and definitions:

Apparatus
- 275 Beverage
- 276 Primary-alcoholic fermentations with subsequent and/or prior operations.
- 277 Post-primary-alcoholic fermentation operations.
- 278 Hopping, wort-making or ante-primary-alcoholic fermentation operations.

275. Apparatus under subclass 234 which is adapted and designed for making beverages or beverage intermediates and not provided for below.

Search Classes—
- 195—CHEMISTRY, FERMENTATION, for apparatus that includes means for carrying out propagations of yeasts, or other living ferments, or diastatic mashings or other fermentations, or germinating seeds, or preparing malt, or preserving or treating, or containing yeasts or other living ferments, or treating products of fermentations, or preparing materials for use in propagating yeasts or other living ferments, or for use in fermentations.
- 204—ELECTROCHEMISTRY, subclasses 24–26, for apparatus for electrical treatments of alcoholic or other beverages or alcoholic or other liquids.
- 216—DISPENSING APPARATUS, for apparatus for dispensing or handling alcoholic and other beverages.
- 261—GAS AND LIQUID CONTACT APPARATUS, for apparatus for carbonating beverages.

276. Apparatus under subclass 275 which includes means that is adapted and designed for carrying out primary (first) ethyl alcoholic fermentations, combined with means for preparation of the material or treatment of the product to make a beverage or combined with both material preparation and product treatment to form a beverage or beverage intermediate.

Search Class—
- 195—CHEMISTRY, FERMENTATION, subclasses 128, 132 and 133, and indented subclasses, for apparatus directed to fermentation and prior or subsequent steps.

277. Apparatus under subclass 275 which includes means for treating products of primary (first) ethyl alcoholic fermentations for the purpose of making beverages, or beverage intermediates, therefrom.

Search this class, subclass 276.

Search Classes—
- 195—CHEMISTRY, FERMENTATION, subclasses 128, 132, 136 and indented subclasses.
- 202—DISTILLATION, for apparatus for subjecting alcoholic materials to distillation.
- 204—ELECTROCHEMISTRY, subclasses 24–26, for apparatus for electrical treatments of alcoholic or other beverages or alcoholic or other liquids.
- 210—LIQUID SEPARATION AND PURIFICATION, subclass 1, for beer chips or shavings or means for collecting sediment, and other subclasses for means for separating sediment, or other solid matter, from liquids.

278. Apparatus under subclass 275 which includes means for hopping, or preparing hop-extracts, or making or purifying worts, or otherwise preparing materials for primary (first) ethyl alcoholic fermentations.

Search this class, subclass 276.

Search Class—
- 195—CHEMISTRY, FERMENTATION, subclasses 128–131 and 135, for apparatus for carrying out diastatic mashings or other operations that involve, or are subsequent or prior to, fermentations of any kind.

The patents contained in these subclasses have been taken for the most part from various apparatus subclasses in class 195, Alcohol, abolished in this order.

In class 99, Alcohol (Division 54), change the title of the class to read 195, Chemistry, Fermentation, abolish the existing subclass titles, and establish in lieu thereof the subclasses indicated in the new lines now being published for insertion in the Manual of Classification, and definitions which will appear in Bulletin No. 78.

(Note.—Lists of subclass titles, and the definitions, may be seen in the Search Room and in the Classification Division, Room 2016, pending publication.)

Changes in Classification

Order No. 3,966, February 11, 1928, directs:

In class 93, Paper Manufactures (Division 17), establish the following subclasses and definitions:

- 1.1 Paper fastening.
- 1.2 Seal tape machines.
- 1.3 Disc closures.
- Box machines.
- 26.01 Lining forming and inserting.
- 26.02 Cups, non-circular cross-section.
- 26.1 Conical former
- 26.2 Rotary.
- 26.3 Presses.
- 26.4 Pasters or gluers.
- 26.5 Edge crimping and spinning.
- 26.6 Box blank covering.
- 26.7 Applying bails.
- 26.8 Cups or tubes, folded over end.
- 26.9 Taping devices.
- Folding and setting-up
- 29.1 Tube and end closing
- 29.2 Turret form carrier
- 29.3 Frustro-conical form.
- Folding and covering
- 40.1 Rotary banding.
- Folding and stapling
- 43.1 Metallic stay.
- Endless mandrel carrier
- 44.1 Turret mandrel carrier.
- Folding
- Plunger and die
- 51.1 Clamshaling mandrel.
- Covering
- 54.1 Rotary support.
- 54.2 Reciprocating support.
- 54.3 Stationary support.
- Setting-up
- 55.1 Applying end closure.
- Cutting and scoring
- 58.1 Rotary scorers.
- 58.2 Rotary cutters and scorers.
- 58.3 Reciprocating cutters and scorers.
- 58.4 Cutters
- 58.5 Thumbhole or peephole cutters.

1.1. Apparatus or processes for interlocking paper sheets by crimping or cutting or folding corners or edges together.

Note.—Stapling, sewing, and gluing are not included unless subjunctive to the essential operation.

1.2. Machines and methods for inclosing seeds spaced apart within a paper tape.

1.3. Machines and processes for making or die cutting paper closures for receptacles, which may be formed of laminated material, coated, and provided with tabs or wires for handles. May include printing and assorting, and hanging of the discs.

Note.—See this class, subclass 60, for skirted closures.

26.01. Machines, apparatus and methods for inserting linings in boxes, which may include the forming of the lining.

26.05. The molding of paper cups of non-circular cross-section.

Note.—See this class, subclasses 26.1 and 26.2, for conical cups, and subclasses 29.1, 29.2 and 29.3, for cylindrical or frustoconical cups.

26.1. Machines having a conical forming member for shaping the box.

Search this class, subclasses 8 and 79.

26.2. The former is rotatable.

26.3. Apparatus that holds a box in proper form while the paste dries.

Search this class, subclasses 66 and 69.

26.4. Apparatus for applying paste or glue to box parts.

Note.—For pasting and pressing, see this class, subclass 26.2.

Note.—For pasters of general use, see class 91, COATING, subclass 10, and indented subclasses.

26.5. Machines for finishing the edges of a cup, box or tube, or for uniting a closure thereto by rolling, crimping or spinning.

Search this class, subclasses 29.1, 29.2, 29.3, and 55.1, for placing closures in tubes and securing them thereto.

26.6. Apparatus for applying covering paper to a box blank before the box is formed.

26.7. Machines for forming bands and applying bails thereto.

26.8. Machines for sealing a cup, tube or box with the tube end folded in to form a closure.

26.9. Machines for inserting bands with cords or tapes applied when the tape is not a cord.

Note.—For stapling, see this class, subclasses 43 and 58.

29.1. Machines under subclass 29 that form a tubular container with an end closure.

39.2. Machines under subclass 39.1 in which a plurality of forms are mounted on a turret.

39.3. Machines under subclass 39.2 in which the forms are frustroconical in shape.

40.1. Machines under subclass 40 for folding and covering a box by rotating it about an axis.

41.1. Box forming machines under subclass 41 with means for applying metal stays.

44.1. Machines under subclass 44, the mandrels being mounted on a turret.

Search this class, subclasses 39.2 and 39.3.

51.1. Machines under subclass 51 wherein a block or mandrel moves in a continuous path and carries the blank through a die.

Search this class, subclasses 44 and 44.1.

54.1. Devices under subclass 54 in which the box is supported on a rotary member, the cover being wound around it.

54.2. Devices under subclass 54 in which the box is on a reciprocating support.

Note.—For general plunger and die structure, search this class, subclasses 47 and 51.

54.3. Devices under subclass 54 in which the box support is stationary and the wrapping elements move.

55.1. Machines under subclass 55 for applying closures to boxes previously made.

Search this class, subclass 29, et seq., for folding and setting-up.

58.1. Machines under subclass 58 having rotary elements for scoring fold lines.

58.2. Machines under subclass 58 having rotary cutters and scorers.

58.3. Machines under subclass 58 for cutting and scoring or creasing box blanks having reciprocating cutters or scorers.

Search Class—
- 164—CUTTING AND PUNCHING SHEETS AND BARS, for cutters or scorers of general use.

58.4. Machines under subclass 58 limited to cutting box blanks.

Note.—See class 164, CUTTING AND PUNCHING SHEETS AND BARS, for cutters of more general use.

58.5. Devices under subclass 58.4 for cutting thumbholes or peepholes in blanks.

The patents constituted in these subclasses have been taken for the most part from various subclasses in class 93, Paper Manufactures.

In class 93, Paper Manufactures (Division 17), change the title of subclass 53 to read as follows:

Box machines
- 53 Refolding and/or opening

and cancel the existing definition of this subclass and establish in lieu thereof the following definition:

53. Machines for refolding or breaking on alternate edges previously made boxes rectangular in form or tubes from which such boxes are made, so that the finished boxes will be equally flexible at all corners, and machines for opening collapsed cartons.

Interference Notice

U. S. PATENT OFFICE, Washington, Jan. 30, 1928.

Bake-Rite Oven Manufacturing Company, its assignee or legal representatives, take notice:

An interference has been declared by this Office between the application of The Moore Corporation, 505 Benton Street, Joliet, Ill., for registration of a trade-mark, and trade-marks Nos. 119,228 and 119,229, registered July 26, 1921, and No. 119,231, registered September 6, 1921, to Bake-Rite Oven Manufacturing Company, 608–604–605 Hearst Building, San Francisco, Calif., and Reno, Nev. A notice of such proceeding sent by registered mail to said Bake-Rite Oven Manufacturing Company at each of said addresses, earlier been returned by the post office as undeliverable, notice is hereby given that unless said Bake-Rite Oven Manufacturing Company, its assignee or legal representatives shall enter an appearance within 30 days from the first publication of this order, the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

RICHARD RUPPICH,
First Assistant Commissioner.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING JANUARY, 1936

In A. M. & J. Solari Limited v. Royal Products, Inc., Opposition No. 14,223, decision rendered January 3, 1936, (159 Ms. Dec. 542), *First Assistant Commissioner Spencer* held that Royal Products, Inc., of New Orleans, La., is not entitled to register the words "La Louisiane" as a trade-mark for distilled alcoholic liquors since these words are merely geographical. He further held that the opposition filed by the A. M. & J. Solari Limited, of New Orleans, La., was properly dismissed on the ground that it was informal.

In his decision the First Assistant Commissioner, after stating that words which are merely descriptive of a place where an article is manufactured or produced cannot be monopolized, and that foreign words and phrases, merely descriptive of the goods, are not registrable, quoting from the decision in *Walgreen Company v. Godefroy Manufacturing Company*, (C. C. P. A.) 74 F.(2d) 127, 24 U. S. Pat. Q. 77, said:

"In view of that decision, it is equally clear that a geographical expression is nonetheless so if it be written in French. That the State of Louisiana is ordinarily and properly referred to, in French, as 'La Louisiane' may be seen from the following excerpt taken from 'Nouveau Larousse Illustre,' Tome 5, Pl. 768: 'La Louisiane, colonisée par les Français, surtout dans la seconde moitié du XVIII siecle, puis, et très peu, par les Espagnols, possesseurs temporaires, fut cédée aux Etats-Unis, en 1803, par la France au prix de 80 millions de francs'."

In Kroger Grocery & Baking Company v. Blue Earth Canning Company, Opposition No. 12,589, decision rendered January 7, 1936, (159 Ms. Dec. 544), *Assistant Commissioner Fraser* held that Blue Earth Canning Company, of Blue Earth, Minn., is entitled to register, as a trade-mark for canned vegetables, the words "Country Klst", notwithstanding the prior adoption and use by Kroger Grocery & Baking Company, of Cincinnati, Ohio, of the words "Country Club" for the same goods.

In his decision, after noting applicant's argument that the word "Country" has been so widely used as a part of trade-marks for canned foods that it is public property, the Assistant Commissioner said:

"In the view I take of the case it is not deemed necessary to discuss this point, other than to observe that the marks must be considered in their entireties and may not be dissected for the purpose of comparison. This rule has been so frequently announced by the Court of Customs and Patent Appeals that it is no longer open to argument."

He then, with reference to the marks, said:

"Both are of such a nature that the whole of each must be read or pronounced in order to convey any definite meaning. 'Country Club,' in the abstract, describes a particular type of club, and connotes sophistication, exclusiveness and smartness. 'Country Klst,' on the other hand, suggests rural freshness and native simplicity. In other words, the mental pictures associated with the two expressions are almost exactly opposite. Moreover, the appearance and the sound of the marks as a whole are, in my opinion, sufficiently different to insure against any reasonable likelihood of confusion."

In American Brewing Company, Inc., v. Hercules Products & Distilling Corporation, Opposition No. 13,491, decision rendered January 7, 1936, (159 Ms. Dec. 543), *Assistant Commissioner Fraser* held that Hercules Products & Distilling Corporation, of Brooklyn, N. Y., is not entitled to register, as a trade-mark for gin, a mark consisting of a pictorial representation of the Statue of Liberty, in combination with the notation "Okay America," in view of the prior adoption and use by American Brewing Company, Inc., of Rochester, N. Y., of the mark containing a picture of the same statue and the word "American", as a trade-mark for beer.

In his decision, the Assistant Commissioner said:

"I am in entire agreement with the Examiner of Trade Mark Interferences that the goods of the parties, namely, gin and beer, are of the same descriptive properties, and that the trade-marks here involved are confusingly similar."

In Ex parte G. Fava Fruit Company, Inc., Serial No. 356,073, decision rendered January 8, 1936, (159 Ms. Dec. 545), *First Assistant Commissioner Spencer* held that G. Fava Fruit Company, Inc., of Baltimore, Md., is not entitled to register, under the Act of 1905, the name "Savoia" displayed in association with a coat of arms, as a trade-mark for wines, in view of the prior registration by another (No. 328,810) of a mark for the same goods in which the name is displayed on a rectangular background.

In his decision, after referring to applicant's argument that the names in the two cases were differently written and noting the decision of the Court of Customs and Patent Appeals in which it was held that so far as the question of confusion is concerned names distinctively displayed must be adjudged in exactly the same manner as are other words or notations, the First Assistant Commissioner said:

"I find that the predominant part of both marks is the term 'Savoia' and am forced to conclude that the notations are therefore confusingly similar. The applicant stresses the presence in its notation of the shield-like border and the coat of arms but I am never moved by such points of distinction. The buyer purchases by name and not by border and remembers by name and not by background. The names in the two notations here involved being identical and constituting clearly the predominating part of each mark, registration must be and therefore accordingly is denied. By this decision it is not meant to imply that a second party can never register the same name. Undoubtedly there are and will be instances wherein the name itself is submerged in the distinctiveness of the display in such a manner as to avoid anticipation but such is not the case here."

In Barton Manufacturing Company v. Paper Makers Chemical Corporation, Opposition No. 13,695, decision rendered January 10, 1936 (159 Ms. Dec. 547), *First Assistant Commissioner Spencer* held that Paper Makers Chemical Corporation, of Wilmington, Del., is entitled to register the word "DISHINE" as a trade-mark for a cleaning compound for dishes, crockery, and the like, notwithstanding the prior adoption and use by Barton Manufacturing Company, of St. Louis, Mo., of the word "DYANSHINE" as a trade-mark for polish for leather goods.

The ground of the decision is that the goods of the parties are not of the same descriptive properties.

With respect to the marks the Assistant Commissioner said:

"I am of the opinion that the marks are confusingly similar. In sound, appearance, and meaning they resemble one another. The applicant contends that its mark is pronounced 'DISH'INE' and therefore could not be confused in sound or in significance with the opposer's mark 'DYANSHINE' but I am not at all sure that the casual purchaser would correctly pronounce the applicant's mark. As it happens, I had very definite misgivings about its pronunciation until I heard counsel for applicant repeatedly refer to it as 'DISH'INE' and even yet I have some difficulty in pronouncing it with the same liquid facility that was his. I feel that any one familiar with the opposer's mark would, upon viewing the applicant's ascribe to it an almost identical pronunciation."

With respect to the goods, he said:

"The applicant's product is primarily a cleansing compound or, as the applicant describes it, a washing compound and water softener that is adapted for use only when dissolved in water for the washing of dishes, glassware, bottles, cutlery, and other articles customarily washed in dish washing machines. It is true, and this fact the opposer stresses with great emphasis, that the applicant's advertising circular (Applicant's Exhibit No. 2) states that the product is adapted for 'polishing dishes' and is a 'powerful silverware polish.' Fundamentally or primarily, however, the product is a compound for washing dishes and the like, and if it has any polishing qualities they are merely secondary and incidental. The opposer's product, on the other hand, is primarily and mainly a polish for leather goods and any cleansing properties it may have are purely secondary and incidental to its main function.

* * * * * * *

"I do not believe that these goods are properly capable of a general definition. At least they are not when their main properties rather than their incidental ones are given attention, nor do I believe that a purchaser would be led to believe that a manufacturer engaged in making one would naturally be led to make the other."

In Ford Motor Company v. Windsor-Lloyd Products, Inc., Opposition No. 13,708, decision rendered January 10, 1936 (159 Ms. Dec. 546), *First Assistant Commissioner Spencer* held that Windsor-Lloyd Products, Inc., of Wilmington, Del., is not entitled to register, as a trade-mark for automobile rear-view mirrors, the notation "StanFord", in view of the ownership of the Ford Motor Company, of Dearborn, Michigan, of the mark "Ford" as applied to the same goods.

With reference to the similarity of the marks, the First Assistant Commissioner said:

"In my opinion they are, although it is only proper to say that in arriving at this conclusion I have been influenced largely by the capitalization of the letter 'F' in the applicant's notation. At first glance at the applicant's package, the word 'Ford' seemed to stand out from the balance of the notation and it still seems to. I am accordingly of the opinion that as long as the applicant continues to capitalize and emphasize the letter 'F' in the body of its notation the opposition must be sustained and registration refused. On the other hand, I am frank to say that I see but little similarity between the word 'Stanford' normally written and the word 'Ford'."

With reference to the question whether applicant's mark comprises a personal name not distinctively displayed, he said:

"That the surname 'Stanford' written in distorted block type such as may be found in many signs and advertisements is not registrable is believed to be established by such cases as the following (citing decisions)."

In Old Time Distillers, Inc., v. Lem Motlow, Opposition No. 13,922, decision rendered January 13, 1936 (159 Ms. Dec. 552), *First Assistant Commissioner Spencer* held that Lem Motlow, of Lynchburg, Tenn., is not entitled to register, as a trade-mark for whiskey, the notation "Old Time Distillery."

In his decision the First Assistant Commissioner stated that the opposer had contended that the applicant's mark comprised its corporate name and that applicant was not using the mark in commerce at the time he filed his application.

Then, after noting that the date of incorporation of the opposer is subsequent to the date of filing of the application here involved, he said:

"To my mind this fact is clearly sufficient to defeat the right of the opposer to object to the registration on the ground that the applicant is seeking to appropriate its corporate name. In other words, it would appear too clear to permit of reasonable argument, that in order for an opposer to defeat registration of its corporate name it must so in existence at the time the application is filed. To hold otherwise would be to approve *ex post facto* oppositions."

With reference to the second ground of opposition, after noting that the applicant adopted its mark in 1905, stopped using it when prohibition was passed and had not commenced to use it at the time it filed its application for registration of the mark he said:

"Furthermore, at the time the instant application was filed the applicant had not again commenced the manufacture or sale of whiskey. It was, however, in contemplation of so doing that the application was filed. Here again, I consider it too clear to permit of reasonable argument that the mark must be in actual use at the time the registration is filed in order for registration to be granted. One cannot register an intention to use the mark at some future date.

* * * * * * *

Suffice to say that the goods were not being made and the mark was not being used. To my mind this is sufficient regardless of the cause."

In Ex parte Dow Jones & Co., Inc., Serial No. 361,800, decision rendered January 13, 1936, (159 Ms. Dec. 550), *First Assistant Commissioner Spencer* held that Dow Jones & Co., Inc., of New York, N. Y., is not entitled to register, under the act of 1905, as a trade-mark for a section of a daily publication, the words "DOW JONES STOCK AVERAGES."

The ground of the decision is that these words are not used as a trade-mark in commerce.

In his decision, after stating that the applicant is engaged in rendering a service consisting in publishing through brokerage houses, etc., a series of averages showing stock changes, the First Assistant Commissioner said:

"These averages appear under the heading of the notation here sought to be registered. The Examiner has refused registration on the ground that the mark does not have any trade-mark significance but merely designates the particular information appearing thereunder."

Then, after citing the case of *Funk & Wagnalls Co. v. The Timely Films, Inc.*, 339 O. G. 722; 55 App. D. C. 192; 3 F.(2d) 98, he said:

"In accordance with this case, and for the reason that I do not believe the applicant is engaged in commerce within the meaning of the Trade-Mark Act, I am forced to hold that the registration must be refused."

In EX PARTE LLOYD A. MYERS, JR., Serial No. 348,306, decision rendered January 13, 1936, (159 Ms. Dec. 551), *First Assistant Commissioner Spencer* held that Lloyd A. Myers, Jr., of Bristol, Va., is not entitled to register, under the act of 1905, as a trade-mark for truck trailers, the notation "Black Diamond" written on a white background which extends across a black diamond-shaped figure, in view of certain prior registrations of a trade-mark for trucks, consisting of the pictorial representation of a diamond and the notation "Diamond T" written within a diamond outline.

With reference to the goods, he said:

"Despite applicant's contention otherwise, I am of the opinion that motor trucks and trailers are goods of the same descriptive properties. They are purchased by the same class; they have many common physical properties; they are generally manufactured by the same manufacturers; whenever a trailer of the kind here involved is used it is in conjunction with a truck; they are used for the same purpose, namely, hauling; and are in fact so similar that, to my mind, the question admits of no possible doubt."

Then, with respect to the marks themselves, he said:

"In my opinion the applicant cannot be permitted to appropriate the word 'Diamond' from the prior registrations and by adding to it the prefix 'Black' avoid the holding that the marks are confusingly similar. The conclusion that the notations 'Diamond' and 'Black Diamond' as employed by the applicant and the prior registrant bear confusing similarity is emphasized by the fact that the applicant likewise employs the diamond-shaped symbol in conjunction with its mark and that the prior registrant has separately registered the same symbol."

In WHITE HORSE DISTILLERS, LIMITED *v.* DISTILLERS DISTRIBUTING CORPORATION, Opposition No. 13,837, decision rendered January 14, 1936, (159 Ms. Dec. 554), *First Assistant Commissioner Spencer* held that Distillers Distributing Corporation, of San Francisco, Calif., is entitled to register, as a trade-mark for whiskey, a mark consisting of the words "Old Cellar", notwithstanding the prior adoption and use by White Horse Distillers, Limited, of London, England and Glasgow, Scotland, of a trade-mark for the same goods consisting of the representation of a horse with the notation "The White Horse Cellar" appearing thereabove.

The ground of the decision is that the marks are not confusingly similar.

In his decision the First Assistant Commissioner said:

"In appearance the marks are so dissimilar that the mark of the applicant is lost in obscurity in the opposer's mark. In sound the marks are so unlike that by no stretch of the imagination can I conceive of a prospective purchaser asking for the opposer's goods by any name that would result in confusion. Although the opposer contends that they are similar in suggestive meaning, such similarity is remote. The points of difference overwhelm those of similarity, and I am constrained to hold that the marks are not confusingly similar and that the applicant therefore is entitled to the registration which it seeks."

In SEARS, ROEBUCK AND CO. *v.* THE GENERAL TIRE & RUBBER COMPANY, Opposition No. 13,899, decision rendered January 15, 1936, (159 Ms. Dec. 555), *First Assistant Commissioner Spencer* held that the opposition by Sears, Roebuck and Co., of Chicago, Ill., to the registration of a trade-mark by The General Tire & Rubber Company, of Akron, Ohio, was properly dismissed but that the applicant is not entitled to the registration sought because the application does not include the entire mark.

In his decision, after stating that applicant sought to register the notation "ALLGRIP" and that the opposer relied upon the prior adoption and use of the mark "ALLSTATE", the First Assistant Commissioner said:

"In meaning, appearance, and sound the predominant parts are different and distinct. True, the prefix is the same, but the remainders of the marks, which comprise the predominant part of each, are entirely different."

and then, after referring to decisions in which the words "ADDRESSELLOTT" and "ADDRESSOGRAPH" and the words "POWERINE" and "POWERMAX" were held respectively to be confusingly similar, he said:

"In both of these cases, however, the prefix portions which were identical, comprised the major portion of the marks involved, whereas, in the case here at bar, the prefix is the minor portion."

Then, with reference to the refusal to register applicant's mark, he said:

"The mark sought to be registered consists of the notation 'ALLGRIP', whereas, in the specimens submitted, the mark appears as 'POWERFUL ALLGRIP', the two words being printed in the same style and size of type and displayed with equal prominence. There are many cases that refuse to permit registration of fractional or mutilated parts of the marks as used, and here it must be held that the applicant seeks to do this very thing. Therefore, as stated, registration must be refused for the reason that the mark applied for is not the same as the mark shown to have been actually used."

In HANDY-ANDY SPECIALTY CO., INC., *v.* THE STA-BRITE PRODUCTS CORP., Opposition No. 13,853, decision rendered January 15, 1936, (159 Ms. Dec. 556), *First Assistant Commissioner Spencer* held that The Sta-Brite Products Corp., of New Haven, Conn., is not entitled to register the words "STA-BRITE HANDY ANDY", as a trade-mark for cutting and kitchen knives, in view of the prior adoption and use by Handy-Andy Specialty Co., Inc., of Long Island City, N. Y., of the term "Handy-Andy" as a trade-mark for lunch kits and fruit juice extractors.

With reference to the goods, the First Assistant Commissioner said:

"To be held to be of the same descriptive properties it is no longer necessary that the goods possess physical similarities formerly insisted upon by the courts. Today, it is sufficient if the ordinary purchaser would conclude that the goods of both parties emanate from a single source. Following the line of reasoning recently adopted by the United States District Court, S. D. New York, in *Pro-Phy-Lac-Tic Brush Co. v. Abrahams & Straus, Inc.*, 11 Fed. Supp. 668, it is clear that the goods, though physically different, belong to the same general class of merchandise. They are sold over the same counter to the same class of purchasers and are used together in the kitchen and elsewhere; they are so closely associated in the minds of the public that, if they should bear similar trade-marks, consumers would be justified in concluding that they have the same origin."

He then said:

"Also, the law is well settled that no applicant has no right to appropriate the mark of another as an essential feature of its mark. A microscopic examination of the marks is not necessary, nor would it be permitted; a mere glance at the marks here under consideration shows that the mark of the opposer is emphasized and prominently displayed as an essential feature of the mark sought to be registered."

Then, after stating that having sustained the opposition it was not necessary to further consider the applicant's *ex parte* right to registration, he said:

"Suffice it to say that I do not agree with that part of the opinion which refused registration on the ground that the mark disclosed in the drawing of the applicant is a mere evasion of the descriptiveness clause of Section 5 of the statute. Considering the mark in its entirety, as it must be, I can not agree that it is merely descriptive or even evasively approaches such a definition. The word 'STA-BRITE' is disclaimed apart from the mark as shown in the drawing. Regardless of any admission by the applicant that the word 'STA-BRITE' is the dominating feature of its mark, it is evident that the notation 'HANDY ANDY' is displayed with equal prominence as an essential feature and may not be disregarded on any theory."

In EX PARTE THE FIRESTONE TIRE & RUBBER COMPANY, Serial No. 64,925, decision rendered January 16, 1936, (159 Ms. Dec. 563), *Assistant Commissioner Fraser* held that The Firestone Tire & Rubber Company, of Akron, Ohio, is not entitled to register a label for tires bearing the following notation:

"Firestone High Speed Type 4 Fly 5-50-17 For Flat Base or American Drop Center Rim Made in U. S. A."

The ground of the decision is that this label does not comply with the rules since it fails to indicate the article manufactured and does not definitely describe such an article.

In his decision, the Assistant Commissioner said:

"I am in entire agreement with the conclusion reached by the examiner. The only descriptive matter disclosed by the label consists in the terms 'high speed type' and '4 ply'; and while these expressions are in a sense descriptive of tires, they are equally descriptive of many other articles of manufacture and therefore cannot be said to 'indicate' the particular item to which applicant's label is applied."

In EX PARTE PEDIGO-LAKE SHOE COMPANY, Serial No. 359,440, decision rendered January 16, 1936, (159 Ms. Dec. 562), *Assistant Commissioner Fraser* held that Pedigo-Lake Shoe Company, of St. Louis, Mo., is not entitled to register, under the Act of 1905, as a trade-mark for shoes, the word "Plasticon", in view of the prior registration by another of the word "Plastic", as applied to the same goods.

In his decision, after stating the argument of the applicant that the word "Plastic" is descriptive of shoes and therefore this prior registration cannot be held to preclude the registration of applicant's composite mark, the Assistant Commissioner said:

"As pointed out by the Examiner, this is a question which may not properly be considered in an *ex parte* proceeding, and I absolutely refrain from expressing an opinion upon the merits of applicant's contention. *In re Wilcox & Co.*, 36 App. D. C. 107.

"Viewing the two marks in their entireties, and considering the fact that they are applied to identical goods, it seems obvious to me that their concurrent use would probably result in confusion, and that the Examiner committed no error in so holding."

In THE FIRESTONE SERVICED MFR. CO. *v.* EMERSON RADIO & PHONOGRAPH CORPORATION, Opposition No. 13,308, decision rendered January 16, 1936, (159 Ms. Dec. 558), *Assistant Commissioner Fraser* held that Emerson Radio & Phonograph Corporation, of New York, N. Y., is entitled to register the term "Emerson" in association with a musical symbol, as a trade-mark for radio receiving sets and parts thereof, namely, tubes, eliminators, etc., notwithstanding the prior adoption and use by The Emerson Electric Mfg. Co., of St. Louis, Mo., of the term "Emerson" as a trade-mark for electric motors, electric fans, furnace blowers, etc.

In his decision, after stating that he concurred in the view of the Examiner that the marks were confusingly similar as applied to the same goods, but was unable to agree that the goods were of the same descriptive properties in view of the decision of the Court of Customs and Patent Appeals, in *All-American Mohawk Corporation v. Rollinson*, 77 F.(2d) 626, where it was held that complete electric refrigerators were not of the same descriptive properties as relays and thermostats, the First Assistant Commissioner said:

"It seems to me the goods involved in the instant proceeding are as different as were those disclosed in either of the cited cases. It is to be noted that applicant's description of goods is quite specific, and that the only 'parts' of its various receiving sets to which its mark is applied are tubes, eliminators and loud speakers. Probably opposer's 'radio "B" power units' could properly be called radio parts, though the record is somewhat hazy in that regard; but it is fairly apparent that their manufacture was only temporary, that it occurred after applicant's established use of its mark on the goods described in the application, and that it had been permanently discontinued before the application was filed."

Then, after stating that the record showed use by the applicant of the mark since 1923, he said:

"During all this time applicant's mark and opposer's have been in concurrent use upon their respective goods, and yet the chairman of opposer's board of directors, when asked if there had been any instances of actual confusion resulting from the use of the marks of the parties, was only able to say that mail intended for one party had occasionally been received by the other. It seems a fair inference from this testimony that opposer was unable to produce any evidence of actual confusion between the marks; and absence of confusion for a period of ten years is quite convincing that its future occurrence is unlikely."

In THE BUCKEYE BREWING COMPANY *v.* THE BURGER BROS. COMPANY, Opposition No. 12,870, decision rendered January 17, 1936, (159 Ms. Dec. 564), *First Assistant Commissioner Spencer* held that The Burger Bros. Company, of Cincinnati, Ohio, is not entitled to register the term "Buckeye" as a trade-mark for malt syrup for beverage making and food purposes, in view of the prior adoption and use by The Buckeye Brewing Company, of Toledo, Ohio, of that mark as used upon beer.

In his decision the First Assistant Commissioner stated that the question whether the goods were of the same descriptive properties had been decided in another case involving other parties, and it is deemed that the conclusion that they were of the same descriptive properties was correct.

He then discussed the testimony as to the use by the opposer of its corporate name and the claim of the applicant to have derived title from an earlier user, and stated with reference to the latter:

"It does not appear that any physical property of any kind passed to the applicant as a result of this alleged assignment; the instrument being a mere naked or purported transfer of an alleged trade-mark right and goodwill without the appertaining business. Such an instrument is ineffectual for any purpose except to be evidence of an abandonment of the mark by the assignor."

He then said:

"The opposer having been incorporated in 1886 under the name of 'The Buckeye Brewing Company', the notation 'Buckeye', as used by the applicant in connection with the goods described in its application, is deemed to be an appropriation of the distinguishing part of the opposer's

corporate name; the resemblance being so close as to be likely to produce confusion, registration is also refused under the same clause of Section 5 of the statute."

IN CHAMPION SPARK PLUG COMPANY v. GLOBE-UNION MFG. CO., Opposition No. 13,309, decision rendered January 17, 1936, (159 Ms. Dec. 567), *First Assistant Commissioner Spencer* held that Globe-Union Mfg. Co., of Milwaukee, Wis., is entitled to register, as a trade-mark for spark plugs, the mark consisting of the word "GLOBE" associated with the words "Full Spark", which latter words have been disclaimed, notwithstanding the prior adoption and use by Champion Spark Plug Company, of Toledo, Ohio, of the representation of a globe of the world with the word "CHAMPION" thereacross, as a trade-mark for the same goods.

In his decision, the First Assistant Commissioner said:

"While the word 'GLOBE' may be more or less suggestive of the terrestrial globe, I am nevertheless of the opinion that there is no confusing similarity between the marks here involved. Purchasers buying the opposer's product would call for it by the designation 'CHAMPION' whereas the applicant's customers would employ the appellation 'GLOBE'. In appearance, sound, and significance these two terms are distinct from one another. The only possibility of confusion is between the background of the opposer's mark, namely, a pictorial representation of a terrestrial globe and the applicant's name 'GLOBE', but, in my opinion, any confusion brought about by the simultaneous use of these two devices would be so remote and conjectural that it cannot be given consideration."

IN EX PARTE VIVID, INCORPORATED, Serial No. 331,519, decision rendered January 22, 1936, (159 Ms. Dec. 569), *Assistant Commissioner Frazer* held that Vivid, Incorporated, of Chicago, Ill., is not entitled to register, under the Act of 1905, the word "Vivid" as a trade-mark for hectograph ink ribbons, since it is merely descriptive of the goods.

In his decision, after quoting definitions of the word "vivid", the Assistant Commissioner said:

"It would seem to follow that an inspection of applicant's label may quite naturally lead one to the conclusion that its 'vivid' ribbons are so designated because of their bright, brilliant, or intense purple color, and are so made for the purpose of insuring 'brighter copies'. In this sense I think the term is clearly descriptive, and that any manufacturer of hectograph ink ribbons has the same right as applicant to its unrestricted use in describing his product."

IN WILLIAMS OIL-O-MATIC HEATING CORPORATION v. UNITED FURNACE ENGINEERING COMPANY, INC., Opposition No. 13,160, decision rendered January 28, 1936, (159 Ms. Dec. 581), *Assistant Commissioner Frazer* held that United Furnace Engineering Company, Inc., of New York, N. Y., is entitled to register the word "Meltemat" as a trade-mark for melting, metallurgical and heating furnaces and liquid fuel burning devices therefor, notwithstanding the use by Williams Oil-O-Matic Heating Corporation, of Bloomington, Ill., of the term "Oil-O-Matic" as a trade-mark for liquid fuel burning devices.

In his decision the First Assistant Commissioner called attention to the decision of the Court of Customs and Patent Appeals in *Williams Oil-O-Matic Heating Corporation v. Bliss* (C. C. P. A.), 54 F.(2d) 480, and said:

"In the cited case it was held that there was no likelihood of confusion between the marks 'Oil-O-Matic' and 'Thermatic' applied to goods of the same class. In my opinion the marks here involved are at least as dissimilar as were those. Here as there we have two syllables in common and there the resemblance ends, not only in spelling but in sound, appearance and suggested meaning. Upon the authority of that case, with which I am in entire agreement, I am constrained to hold that there is no reasonable likelihood of confusion between the marks 'Oil-O-Matic' and 'Meltemat'."

IN UNITED METAL BOX CO., INC., v. UNITED BATTERY MANUFACTURING COMPANY, LTD., Opposition No. 13,736, decision rendered January 30, 1936, (159 Ms. Dec. 588), *Assistant Commissioner Frazer* held that United Battery Manufacturing Company, Ltd., of Los Angeles, Calif., is not entitled to register, as a trade-mark for storage batteries, the word "United" in association with certain embellishments including the representation of a shield and an eagle, in view of the prior use by United Metal Box Co., Inc., of New York, N. Y., of the word "United" enclosed in a panel, as a trade-mark for switch boxes, motor inclosures and safety switches.

The ground of the decision is that the marks as used on the goods of the respective parties are confusingly similar.

With reference to the marks, the Assistant Commissioner said:

"There are many differences in the two marks viewed in their entireties, but it seems obvious that the word 'United' is the feature of each which would most likely be retained in the mind of the purchaser, and I agree with opposer's counsel that the goods of both parties would naturally be known by that word. It is therefore my opinion that the marks are confusingly similar if applied to merchandise of the same descriptive properties."

And then, after discussing certain testimony as to the use of the various devices and stating that decisions had been cited by both parties in support of their respective contentions, he said:

"I have carefully examined all the cases referred to in the briefs and in the Examiner's decision, together with a number not cited, with the result that I am constrained to hold applicant's storage batteries and opposer's safety switches to be 'of the same descriptive properties' in the light of the construction placed upon that phrase by the Court of Customs and Patent Appeals. The question is not entirely free from doubt, but such doubt must be resolved against the newcomer. *Kaufman & Kassner, v. Kayser-Ayer Bros. Co.*, 56 App. D. C. 169."

IN BAKELITE CORPORATION v. BECK, KOLLER & COMPANY, INC., Opposition No. 12,545, decided January 31, 1936, (159 Ms. Dec. 574), *First Assistant Commissioner Spencer* held that Beck, Koller & Company, Inc., of Detroit, Mich., is not entitled to register the term "BECKACITE" as a trade-mark for synthetic resins, in view of the prior adoption and use by Bakelite Corporation, of New York, N. Y., of the term "BAKELITE" as a trade-mark for varnish and for synthetic resin.

In his decision the First Assistant Commissioner, after quoting from the decision of the Examiner as to the facts of the case and stating that the opposer had used his mark prior to 1924, said:

"The answer to the applicant's question as to whether the opposer possessed the right to enter the specific field previously occupied by the applicant depends upon the determination of whether or not the goods of the opposer at the time the applicant entered the field, and prior thereto, possessed the same descriptive properties as the goods of the applicant. If the goods of the respective parties possessed the same descriptive properties at that time, and I am constrained to agree with the Examiner that such was the case, then it is well settled that the opposer possessed the right to later extend its business to include goods which, although specifically different in some characteristics, are nevertheless of the same class and may be said to possess the same descriptive properties."

He further said:

"Notwithstanding the distinctive differences between the synthetic resins of the opposer and the applicant in 1924, as far as the air-drying varnish trade is concerned, because of their relation and association, they do possess the same descriptive properties; they are derivatives of phenol and susceptible of the common definition 'synthetic resins'."

With reference to the marks, he said:

"Turning now to consideration of the marks, they are believed to be confusingly similar in both sound and appearance. Minute differences may be cited, but when the marks are considered in their entireties, as they must be, they are believed to be so similar that confusion in trade is more than likely to result from the simultaneous use of the marks upon the goods here involved. Such a view is supported by the following cases." (Citing decisions.)

IN BAKELITE CORPORATION v. BECK, KOLLER & COMPANY, INC., Opposition No. 12,584, decision rendered January 31, 1936 (159 Ms. Dec. 580), *First Assistant Commissioner Spencer* held that Beck, Koller & Company, Inc., of Detroit, Mich., is not entitled to register the notation "BECK-O-LAC" as a trade-mark for dry, paste, and ready mixed paints, varnishes and lacquers, in view of the prior use by Bakelite Corporation, of New York, N. Y., of the notation "BAKELITE" on a phenol resin varnish.

The reasons for the decision are the same as those given in proceeding No. 12,545.

IN BAKELITE CORPORATION v. REICHHOLD, Cancellation No. 2,591, decision rendered January 31, 1936 (159 Ms. Dec. 571), *First Assistant Commissioner Spencer* held that Helmuth Reichhold (Beck, Koller & Company, Inc., assignee, substituted), of Detroit, Mich., was not entitled to register the term "BECKACITE" as a trade-mark for dry, paste, and ready mixed paints, varnishes and lacquers, and the registration which it had obtained should be cancelled in view of the prior use by Bakelite Corporation, of New York, N. Y., of the term "BAKELITE" on phenol resin varnish.

The reasons for the decision are the same as those given in proceeding No. 12,545.

IN BAKELITE CORPORATION v. BECK, KOLLER & COMPANY, INC., Opposition No. 12,582, decision rendered January 31, 1936 (159 Ms. Dec. 579), *First Assistant Commissioner Spencer* held that Beck, Koller & Company, Inc., of Detroit, Mich., is not entitled to register the word "BECKOLLOID" as a trade-mark for synthetic resins, plastic resins, etc., in view of the prior adoption and use by Bakelite Corporation, of New York, N. Y., of the term "BAKELITE" as a trade-mark for lacquers and varnish.

The reasons for the decision are the same as those given in proceeding No. 12,545.

IN BAKELITE CORPORATION v. BECK, KOLLER & COMPANY, INC., Cancellation No. 2,611, decision rendered January 31, 1936 (159 Ms. Dec. 572), *First Assistant Commissioner Spencer* held that Beck, Koller & Company, Inc., of Detroit, Mich., was entitled to register the term "BECKOSOL" as a trade-mark for dry, paste, and ready mixed paints, notwithstanding the prior adoption and use by Bakelite Corporation, of New York, N. Y., of the word "BAKELITE" as a trade-mark on phenol resin varnish.

In his decision, after stating that the goods were deemed to be of the same descriptive properties for the reasons stated in proceeding No. 12,545, the First Assistant Commissioner said:

"However, the marks here involved are not believed to be confusingly similar in sound, appearance, or spelling, and there is no similarity of suggestive meaning."

IN BAKELITE CORPORATION v. BECK, KOLLER & COMPANY, INC., Cancellation No. 2,612, decision rendered January 31, 1936 (159 Ms. Dec. 573), *First Assistant Commissioner Spencer* held that Beck, Koller & Company, Inc., of Detroit, Mich., was entitled to register the term "BECKOSOL" superimposed upon a disc as a trade-mark for plastic synthetic resins, notwithstanding the prior use by Bakelite Corporation, of New York, N. Y., of the term "BAKELITE" as a trade-mark for varnish and synthetic resins, since it was deemed that the marks were not confusingly similar.

IN BAKELITE CORPORATION v. BECK, KOLLER & COMPANY, INC., Opposition No. 12,581, decision rendered January 31, 1936, (159 Ms. Dec. 578), *First Assistant Commissioner Spencer* held that Beck, Koller & Company, Inc., of Detroit, Mich., was not entitled to register the notation "BECK-O-LAC" as a trade-mark for synthetic resins, and that the registration which it had obtained should be cancelled in view of the prior use by the Bakelite Corporation, of New York, N. Y., of the term "BAKELITE".

The reasons for the decision are the same as those given in proceeding No. 12,584.

IN BAKELITE CORPORATION v. REICHHOLD, Cancellation No. 2,590, decision rendered January 31, 1936, (159 Ms. Dec. 570), *First Assistant Commissioner Spencer* held that Helmuth Reichhold (Beck, Koller & Company, Inc., assignee, substituted), of Detroit, Mich., was not entitled to register a trade-mark for dry, paste and ready mixed paints in view of the prior adoption and use by the Bakelite Corporation, of New York, N. Y., of a similar mark upon goods of the same descriptive properties, and the registration which it had obtained should be cancelled.

In his decision, after stating that the goods of the parties were of the same descriptive properties, the First Assistant Commissioner said:

"The mark relied upon by the applicant comprises a trefoil border enclosing the capital letter 'B' in the single upper lobe and the conventional sign of infinity in the two lower lobes. The mark of the respondent comprises a slightly ornate trefoil border having a single lobe lowermost and enclosing the capital letters 'B', 'K', and 'C', symmetrically arranged, each within one of the lobes of the trefoil. The similarity of the marks, if not obvious from this description, is immediately ap-

parent upon an inspection of the marks themselves. The letter 'B' is prominently displayed in each mark, and the trefoil border, common to both marks, is similarly represented in each. I am persuaded that confusion in trade would be likely to result from the simultaneous use of the marks here involved upon the goods of the opposing parties. Any doubt on this issue must be resolved in favor of the prior user which is here the applicant for cancellation."

In BAKELITE CORPORATION *v.* REICHHOLD, Cancellation No. 2,582, decision rendered January 31, 1936, (159 Ms. Dec. 571), *First Assistant Commissioner Spencer* held that Helmuth Reichhold (Beck, Koller & Company, Inc., assignee, substituted), of Detroit, Mich., was not entitled to register the word "BECKOLLOID" as a trade-mark for paint and that the registration which it had obtained should be cancelled in view of the prior use by Bakelite Company, of New York, N. Y., of the term "BAKELITE" on goods of the same descriptive properties.

In his decision the First Assistant Commissioner said:

"In my opinion the two words 'BAKELITE' and 'BECKOLLOID' are confusingly similar. In meaning they have little, if any, significance and therefore similarity in meaning is of little or no importance. On the other hand, in sound the two words strike me as being very much the same. They have the same number of syllables and when pronounced in the perfectly normal way the only difference between the marks is found to reside in the suffixes. For all other practical purposes, so far as sound is concerned, the remaining portions of the marks might as well be identical. Even the suffixes comprise a single syllable beginning with the same letter, namely, 'L'. For this reason and in view of the similarity in appearance of the marks I am of the opinion that they are confusingly similar."

In AKTIENGESELLSCHAFT FÜR FEINMECHANIK VORMALS JETTER & SCHEURER *v.* KNY-SCHEERER CORPORATION, Opposition No. 11,704, decision rendered January 31, 1936 (159 Ms. Dec. 582), *First Assistant Commissioner Spencer* held that Kny-Scheerer Corporation, of New York, N. Y., is entitled to register, as a trade-mark for surgical instruments, a mark described as consisting of the pictorial representation of a staff and a crown above it, with a serpent coiled in the form of the letter "S" about the staff.

In his decision, after referring to the prior proceeding between the same parties, and pointing out that the question involved depends upon the title obtained by the applicant from the Alien Property Custodian, the First Assistant Commissioner said:

"While the testimony taken by the parties relates to the seizure of the marks by the Alien Property Custodian, the notice of opposition contains no allegation of fact which puts in issue here the validity of such seizure; moreover, for substantially the reasons pointed out by the United States Court of Customs and Patent Appeals in the companion proceeding, Cancellation No. 2238, it is believed that such seizure was valid."

Then, after stating that the notice of opposition failed to provide any basis for the argument that the applicant, after the seizure by the Alien Property Custodian, divested itself of any right which it might have had to the exclusive use of the mark, he said:

"It may be stated in passing, however, that the supporting testimony presented is deemed to be insufficient to establish a transfer of the legal right to the exclusive use of the mark in issue. In so far as such testimony may establish equitable rights in the opposer, if it does, such equities may not be utilized in an opposition proceeding, and will not work a forfeiture of any legal (statutory) right possessed by the applicant."

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 25, 1936

[VOL. 468. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 359,838. WEST VIRGINIA PULP & PAPER COMPANY, New York, N. Y. Filed Dec. 23, 1934.

SUPERKRAFT

For Wood-Pulp and Paper-Pulp.
Claims use since Jan. 1, 1912.

Ser. No. 365,647. NU WEST FUR DYEING CORP., Brooklyn, N. Y. Filed May 31, 1935.



The words "Dyed Coney" are disclaimed apart from the mark.
For Raw, Treated, and Dyed Fur Skins and Parts Thereof.
Claims use since May 1, 1935.

Ser. No. 371,576. T. W. WOOD & SONS, Richmond, Va. Filed Nov. 8, 1935.

WOOD'S
"Super-Green"
LAWN GRASS
SEED

The words "Green Lawn Grass Seed" are disclaimed apart from the mark.
For Grass Seed.
Claims use since Mar. 9, 1904.

Ser. No. 373,437. WOOD & HYER COMPANY, Gloversville, N. Y. Filed Jan. 7, 1936.

Kinkid

For Leather.
Claims use since Sept. 1, 1935.

CLASS 2

Receptacles

Ser. No. 367,388. CLOPAY CORPORATION, Cincinnati, Ohio. Filed July 17, 1935.

Ced-Wardrobe

The word "Wardrobe" is disclaimed apart from the mark.
For Paper or Fibre Garment Bags.
Claims use since December, 1888.

Ser. No. 373,022. CUMLOKT COMPANY, San Francisco, Calif. Filed Dec. 24, 1935.

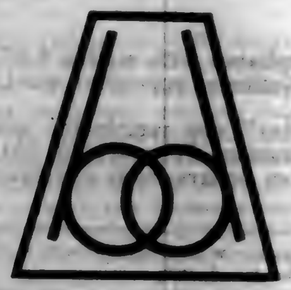
CUMLOKT

For Fibre of Pasteboard Merchandise Boxes.
Claims use since Sept. 21, 1931.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 371,484. BIENEN-DAVIS INC., New York, N. Y. Filed Nov. 13, 1935.



For Ladies', Women's, and Misses' Pocketbooks, Bags, and Purses of Every Kind and Description.
Claims use since Jan. 1, 1931.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 372,685. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Dec. 16, 1935.

ORTHOSIL

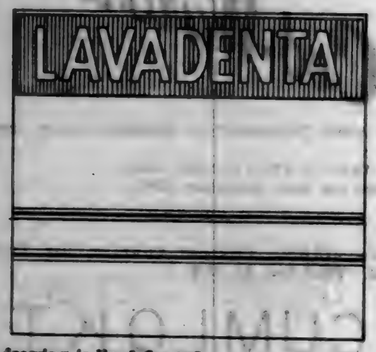
For Alkaline Detergent Used in General Industrial Cleaning Operations.
Claims use since Sept. 3, 1935.

Ser. No. 373,222. LOUANOEL CORPORATION, New York, N. Y. Filed Dec. 31, 1935.

BARB-ASPIRID

The word "Aspirin" is disclaimed apart from the mark.
For Shaving Cream in Stick Form.
Claims use since Dec. 21, 1935.

Ser. No. 373,577. THEODORE EDGAR STAINBACK, doing business as The Stainback Company, Henderson, N. C. Filed Jan. 11, 1936.



The drawing is lined for red.
For Powder for Cleaning and Polishing Dentures.
Claims use since Sept. 1, 1935.

CLASS 5

Adhesives

Ser. No. 371,897. IRA I. SLOMON, Long Island City, N. Y. Filed Nov. 22, 1935.

DAB-IT!

For Adhesive Products—Namely, Stainless Adhesive, Glues, and All Forms of Cement Other Than Building Cements.
Claims use since Oct. 1, 1935.

Ser. No. 372,457. BOSTON BLACKING & CHEMICAL CO., Boston, Mass. Filed Dec. 10, 1935.

SUPERGRIP

For Adhesive Cement Particularly for Use in the Manufacture of Boots and Shoes.
Claims use since Aug. 12, 1935.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 345,522. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn. Filed Dec. 30, 1933.

TEC-MITE

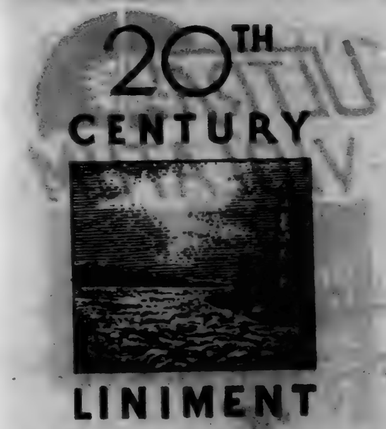
The word "Mite" is disclaimed apart from the mark.
For Vermicide.
Claims use since Oct. 25, 1933.

Ser. No. 354,715. WILSON-LLOYD PRODUCTS, INC., Wilmington, Del. Filed Aug. 6, 1934.



For Hydraulic Shock Absorber Fluid and Hydraulic Brake Fluid.
Claims use since January, 1933.

Ser. No. 364,468. 20TH CENTURY DRUG CO., Cleveland, Ohio. Filed May 2, 1935.



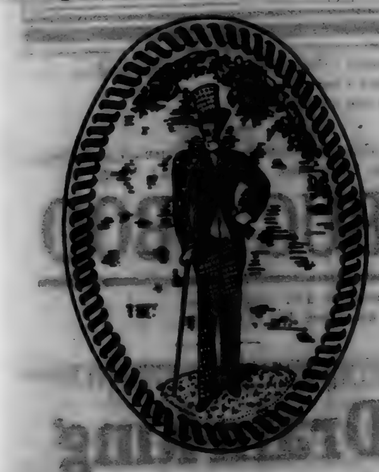
The word "Liniment" is disclaimed apart from the mark.
For Liniment to be Applied to the Skin and Accompanied with Tablets Within the Same Carton Which are to be Taken Internally for the Treatment of Aches, Pains, Congestion, Cramps, Stiffness, and Soreness.
Claims use since Mar. 15, 1935.

Ser. No. 366,261. GLOVENE, INC., New York, N. Y. Filed June 19, 1935.

GLOVENE

For Creams and Coatings for Protecting the Skin, Particularly the Hands.
Claims use since Jan. 14, 1935.

Ser. No. 368,625. PINAUD INCORPORATED, New York, N. Y. Filed Aug. 23, 1935.



For Toilet Waters and Toilet Powders.
Claims use since Aug. 5, 1935.

Ser. No. 369,494. HARRY AARON, doing business as Aaron's Beauty Supply Company, Brooklyn, N. Y. Filed Sept. 18, 1935.

AARON-OIL

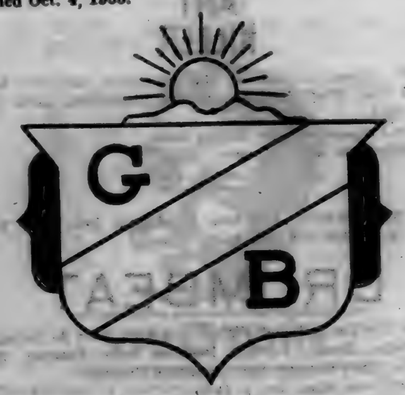
The word "Oil" is disclaimed apart from the mark.
For Soapless Oils Used as a Shampoo and Oil Treatment for the Hair, Scalp Ointments, Mineral Oil, an Odorless, Colorless, Light Oil Used in Oil Treatments for the Hair, Pine Needle Oil, Wave Oil, Castor Oil, Brilliantine, Mange Medicine, Permanent Wave Lotions.
Claims use since Mar. 1, 1935.

Ser. No. 369,877. ERNEST E. BROWN, doing business as Brown Laboratories, Greenville, N. C. Filed Oct. 1, 1935.

H-C

For Headache Powders, General Tonic, Medicine for the Treatment of Rheumatism, Sciatica, Excess Acid, Indigestion, Lumbago, and Neuritis.
Claims use since Sept. 2, 1935.

Ser. No. 369,999. GRISTEDE BROS. INC., New York, N. Y. Filed Oct. 4, 1935.



The band across the escutcheon is red.
For Artificial Carbonated Lithiated Water.
Claims use since Mar. 6, 1934.

Ser. No. 370,097. GLYCO PRODUCTS CO. INC., New York, N. Y. Filed Oct. 7, 1935.

Diglycol Stearate

The term "Stearate" is disclaimed apart from the mark.
For Chemical Preparations for Emulsifying and Thickening Agents for Use in the Textile and Related Industries.
Claims use since Sept. 30, 1931.

Ser. No. 370,194. ERNEST H. NICHOLS, doing business as Truth Associates, Chicago, Ill. Filed Oct. 9, 1935.

Truth

For Cosmetics, Particularly Skin Creams, Skin Lotions, and Skin Powders.
Claims use since Jan. 15, 1935.

Ser. No. 370,604. H. M. EPSTEIN, doing business as Buckeye Chemical & Specialty Co., New York, N. Y. Filed Oct. 21, 1935.



ANTUBE
THE ONE DROP
ANT
KILLER

The representation of the container and the words "The One Drop Ant Killer" are disclaimed aside from the mark.
For Preparation for Killing Ants.
Claims use since January, 1935.

Ser. No. 370,668. PARFUMS CHARBERT, INC., New York, N. Y. Filed Oct. 22, 1935.

DRUMBEAT

For Perfumes, Toilet Waters, Sachets, Eau de Colognes, Lipsticks, Rouge, Talcum Powder, Face Powder, Bath Powder, Face Creams, and Cleansing Creams.
Claims use since Oct. 9, 1935.

Ser. No. 370,921. ORAL SEAL CHEMICAL COMPANY, Dallas, Tex. Filed Oct. 28, 1935.

ORAL SEAL

For Preparation for the Treatment of Pyorrhea, Liquid Dentifrice, and Mouth Wash.
Claims use since July 1, 1933.

Ser. No. 371,044. SHERWOOD PETROLEUM COMPANY, INC., Brooklyn, N. Y. Filed Oct. 31, 1935.

ULTRA VIOLATUM

For Irradiated Petrolatums.
Claims use since Oct. 1, 1935.

Ser. No. 371,140. A. J. CANFIELD CO., doing business as Juno Sales, Chicago, Ill. Filed Nov. 4, 1935.

Juno

For Artificial Laxative Water.
Claims use since Sept. 30, 1935.

Ser. No. 371,413. LAURENCE HENRY BACKUS, San Francisco, Calif. Filed Nov. 11, 1935.

KLEENEE T
Cleans Feet

The words "Cleans Feet" are disclaimed.
For Foot Cream.
Claims use since July 20, 1935.

Ser. No. 371,416. CONSOLIDATED CHEMICAL LABORATORIES, INC., St. Louis, Mo. Filed Nov. 11, 1935.

BUG-A-BOO

For Germicide and Insecticide.
Claims use since Jan. 11, 1930.

Ser. No. 371,417. DRAIN-KING CORPORATION, Chicago, Ill. Filed Nov. 11, 1935.

Drain-King

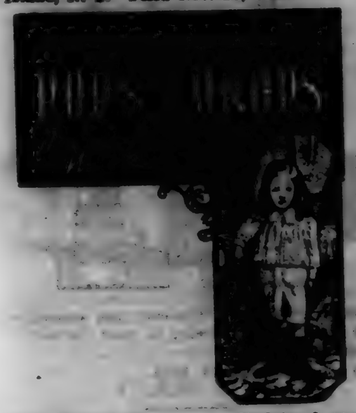
For Drain Pipe Opener.
Claims use since April, 1932.

Ser. No. 371,952. E. A. THEISS, doing business as Theiss Manufacturing Company, Sublette, Kans. Filed Nov. 26, 1935.

ECONO-MYLES

For Econo-Myles, a Preparation for Use as an Energizer and Carbon Solvent, to be Added to Gasoline, Etc.
Claims use since January, 1935.

Ser. No. 372,011. VINCENT MURRAY GRANER, Westbury, Long Island, N. Y. Filed Nov. 26, 1935.



The words "Cough Drops" are disclaimed apart from the mark. The portrait is that of the applicant when a child.
For Cough Drops.
Claims use since Nov. 12, 1935.

Ser. No. 372,091. JAMES Q. DU PONT, doing business as Mike-Ro-Pake, Johnstown, Pa. Filed Nov. 29, 1935.

MIKE RO PAKE

For Composition for Imparting Opacity to Photographic and Photo-Engraving Films, Plates, Papers, Etc.
Claims use since Oct. 22, 1935.

Ser. No. 372,110. STANLEY SWIDER, St. Louis, Mo. Filed Nov. 29, 1935.



SWIDER'S COMPOUND

The word "Compound" is disclaimed apart from the mark. The portrait is that of the applicant.
For Medicinal Compound Recommended for Use in Treating Common Colds, Bronchitis, Throat and Lung Affections and Useful as an Expectorant and in the Treatment of Pulmonary Diseases.
Claims use since Oct. 1, 1935.

Ser. No. 372,360. I. RALPH WEINSTOCK, doing business as Thyrole Chemical Company, Philadelphia, Pa. Filed Dec. 4, 1935.

Dentenize

The drawing is lined for red.
For Dentifrice.
Claims use since June 4, 1934.

Ser. No. 372,382. WALTER G. LUCAS, New York, N. Y. Filed Dec. 5, 1935.

WOW
DOG SHAMPOO
PINE OIL

The words "Pine Oil Dog Shampoo" are disclaimed except as shown.
For Bottled and Canned Dog Shampoo.
Claims use since June 1, 1933.

Ser. No. 372,370. THE LANTER CO., INC., New York, N. Y. Filed Dec. 7, 1935.



VIGOTONE

The portrait is fanciful.
For Eyebrow and Eyelash Grower, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Brilliantine, Peroxide, and Petroleum Jellies.
Claims use since Nov. 21, 1935.

Ser. No. 372,442. JAMES B. SUPPERN, doing business as The A. C. Tablet Company, Elmira, N. Y. Filed Dec. 9, 1935.

WAKERS

For Tablets Containing Caffein Sodio-Benzoate.
Claims use since Nov. 18, 1935.

Ser. No. 372,809. SCIENTIFIC MEDICINAL PRODUCTS, INC., San Francisco, Calif. Filed Dec. 23, 1935.

SLENDRETS

For Preparation for the Reduction of Weight in Wafer Form to be Taken Internally.
Claims use since Oct. 1, 1935.

Ser. No. 373,220. LOUANGEL CORPORATION, New York, N. Y. Filed Dec. 31, 1935.

ANGELASH

For Cosmetic Preparation to be Applied to the Eyelashes and Eye Brows.
Claims use since Dec. 21, 1935.

Ser. No. 373,223. LOUANGEL CORPORATION, New York, N. Y. Filed Dec. 31, 1935.

DENT-ASPIRIN

The word "Aspirin" is disclaimed apart from the mark.
For Preparation for the Care of Teeth and Gums.
Claims use since Dec. 21, 1935.

Ser. No. 373,255. BOEHRINGER LABORATORIES, INC., doing business as International Biochemists, Huntington Park, Calif. Filed Jan. 6, 1936.

Bro-sal-itas

For Non-Narcotic Sedative.
Claims use since Dec. 4, 1935.

Ser. No. 373,487. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Jan. 9, 1936.

CLAR-O

For Starch Product Used as a Coagulant in Coal Wash-Water.
Claims use since Nov. 29, 1935.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 372,183. HARRY L. BOSMAN, New York, N. Y. Filed Dec. 2, 1935. Under 10-year proviso.

PETERSON

For Pipes and Cigar and Cigarette Holders.
Claims use since January, 1894.

CLASS 11

Inks and Inking Materials

Ser. No. 372,234. C. E. BOLUND, doing business as Tech Manufacturing Company, Chicago, Ill. Filed Dec. 4, 1935.

Tech-Wax

No claim is made to the word "Wax" apart from the mark.
For Compounds to Prevent Offset, Crystallization, and Sticking of Printing Ink.
Claims use since February, 1934.

CLASS 12

Construction Materials

Ser. No. 371,647. MISSOURI PORTLAND CEMENT COMPANY, St. Louis, Mo. Filed Nov. 16, 1935.



The words "Oil Field Cement" are disclaimed apart from the mark. The drawing is lined for red.
For Portland Cement.
Claims use since Nov. 13, 1935.

Ser. No. 371,648. MISSOURI PORTLAND CEMENT COMPANY, St. Louis, Mo. Filed Nov. 16, 1935.



The words "Oil Field Cement" are disclaimed apart from the mark. The drawing is lined for red.
For Portland Cement.
Claims use since Nov. 13, 1935.

Ser. No. 371,765. GLOBE ROOFING PRODUCTS CO. INC. Chicago, Ill. Filed Nov. 20, 1935.

MONITOR

For Asphalt Composition Roofing and Building Papers.
Claims use since April, 1934.

Ser No. 371,767. GLOBE ROOFING PRODUCTS CO. INC., Chicago, Ill. Filed Nov. 20, 1935.

CRUISER

For Asphalt Composition Roofing and Building Papers.
Claims use since April, 1934.

Ser. No. 371,769. GLOBE ROOFING PRODUCTS CO. INC., Chicago, Ill. Filed Nov. 20, 1935.

SENTRY

For Asphalt Composition Roofing and Building Papers.
Claims use since April, 1934.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 372,386. ADVANCE ALUMINUM CASTINGS CORP., Chicago, Ill. Filed Dec. 9, 1935.

MIRACLE MAID COOK-WARE

The word "Cook-Ware" is disclaimed apart from the mark.
For Cooking Utensils Composed of Aluminum Alloy to Wit: Fry Pans, Fry Pan Covers, Sauce Pans, Beverage Urns, Coffee Pots, Water Kettles, Preserving Kettles, Triplicate Sets, Casseroles, Griddles and Broilers, Double Fry Pans, Dutch Ovens, French Roasters, Utility Roasters and Turkey Roasters.
Claims use since Sept. 6, 1935.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 373,480. DETROIT GRAY IRON FOUNDRY COMPANY, Detroit, Mich. Filed Jan. 6, 1936.



For Iron Castings and Alloyed Iron Castings.
Claims use since July 9, 1935.

CLASS 15

Oils and Greases

Ser. No. 367,734. PENOLA INC., Pittsburgh, Pa. Filed July 26, 1935.

COMAL

For Cutting Oil.
Claims use since May 31, 1935.

CLASS 16

Paints and Painters' Materials

Ser. No. 363,129. TITAN CO. A/S., Fredrikstad, Norway. Filed Mar. 28, 1935.



For Paint Pigments, Paste Paints, Ready Mixed Paints, Lacquers, Paint Enamels, Anti-Corrosive Paints, and Anti-Fouling Paints.
Claims use since December, 1933.

Ser. No. 373,284. CONTINENTAL ASBESTOS & REFINING COMPANY, INC., New York, N. Y. Filed Jan. 2, 1936.

AQUANAMEL

For Non-Inflammable and Non-Oleaginous Ready Mixed Paint in Paste Form, Capable of Being Mixed With Water and Applied to Any Surface.
Claims use since Nov. 20, 1935.

Ser. No. 373,367. MYRTLE DARROW, doing business as The Darrow Company, Tulsa, Okla. Filed Jan. 6, 1936.

Stik-Glo

For Varnish and Varnish Extender.
Claims use since November, 1935.

CLASS 17

Tobacco Products

Ser. No. 372,444. TAMPA IMPORTERS, INC., New York, N. Y. Filed Dec. 9, 1935.

BONAVITA

For Cigars.
Claims use since Sept. 28, 1935.

Ser. No. 372,523. M. & N. CIGAR MANUFACTURERS, INC., Cleveland, Ohio. Filed Dec. 11, 1935.

DEPENDABLE

The word "Dependable" is disclaimed apart from the mark.
For Cigars.
Claims use since Dec. 7, 1935.

Ser. No. 373,068. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Filed Dec. 26, 1935.

VICEROY

For Cigars, Cigarettes, Smoking Tobacco, Chewing Tobacco, and Snuff.
Claims use since Dec. 10, 1935.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 372,387. AUTOMATIC ELECTRIC HEATER CO., Pottstown, Pa. Filed Dec. 9, 1935.

Hydrohot

For Electric Water Heaters.
Claims use since Nov. 1, 1935.

Ser. No. 373,010. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Dec. 23, 1935.

ZENITH

For Prime-Mover-Driven Electric Generator Combinations, Including Wind-Driven and Engine-Driven Electric Generator Combinations.
Claims use since Dec. 14, 1935.

Ser. No. 373,013. AIR-WAY ELECTRIC APPLIANCE CORPORATION, Toledo, Ohio. Filed Dec. 23, 1935.

DIRTMASTER

For Electrical Suction Cleaners and Parts and Accessories Thereof—Namely, Attachment Suction Tools for Cleaning Walls, Upholstery, and Radiators, Dust Collectors, Floor Brushes for Attachment to Electrical Suction Cleaner Nozzles, and Extension Tubing for Attachment of Accessory Suction Devices.
Claims use since Nov. 27, 1935.

Ser. No. 373,390. UNITED MOTORS SERVICE, Detroit, Mich. Filed Jan. 6, 1936.

POWRFLO

For Storage Batteries.
Claims use since Mar. 25, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 373,442. EDWIN H. CRAIG, Shippensburg, Pa. Filed Jan. 8, 1936.

The Field General

The representation of a football is not a part of the goods used.
For Games and More Particularly for a Table-Board Game—Namely, a Mechanical Device with Revolving Indicia.
Claims use since Dec. 16, 1935.

Ser. No. 373,117. BLOSSOM PRODUCTS CORPORATION, Allentown, Pa. Filed Jan. 16, 1936.

Quins

For Dolls.
Claims use since Feb. 11, 1935.

Ser. No. 373,720. BLOSSOM PRODUCTS CORPORATION, Allentown, Pa. Filed Jan. 16, 1936.

Quintuplets

For Dolls.
Claims use since Feb. 11, 1935.

Ser. No. 373,761. ERNEST L. SIMMEL, doing business as Idelisem Publishing Company, Minneapolis, Minn. Filed Jan. 16, 1936.

IDELISEM

For Puzzle.
Claims use since Jan. 2, 1936.

Ser. No. 373,970. PARAGON RUBBER CORPORATION, New York, N. Y. Filed Jan. 22, 1936.

Sleepy Tot

For Dolls.
Claims use since Nov. 1, 1935.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 372,361. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Dec. 7, 1935.

GENERAL ELECTRIC

For Combination Machine Tools and Parts Thereof for Turning, Grinding, Polishing, Sawing, Drilling and Sanding for Wood and Metal Working.
Claims use since October, 1934.

Ser. No. 372,362. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Dec. 7, 1935.

GE

For Combination Machine Tools and Parts Thereof for Turning, Grinding, Polishing, Sawing, Drilling, and Sanding, for Woods and Metal Working.
Claims use since October, 1934.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 363,439. THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y. Filed Apr. 5, 1935.

GRAFLEX
ENLARG-OR-PRINTER

The words "Enlarg" and "Printer" are disclaimed apart from the entire mark.
For Photographic Apparatus for Making Contact Prints or Enlargements from Negatives.
Claims use since December, 1923.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 373,180. DELTA THETA TAU FRATERNITY, Warsaw, Ind. Filed Dec. 28, 1935.

ΔΘT

For Fraternity Badges, Lapel Buttons, Scarf, Lapel, and Breast Pins, Cuff Links, Tie Clasps, Charms, Finger Rings, Belt Buckles, and Ornamental Shields, All of Precious Metal.
Claims use since June, 1915.

Ser. No. 373,225. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass. Filed Dec. 31, 1935.

ELAINE

For Silver Plated Tableware and Silver Plated Cutlery.
Claims use since Dec. 16, 1935.

Ser. No. 373,575. JAMES RING MANUFACTURING CO., Newark, N. J. Filed Jan. 11, 1936.

EIFFEL-TOWER

For Finger Rings.
Claims use since Oct. 2, 1935.

CLASS 33

Glassware

Ser. No. 372,040. JESSE BRANDT, doing business as Globe Auto Glass Company, Chicago, Ill. Filed Nov. 27, 1935.



The words "Plate & Window Glass" and "Venetian Mirrors" are disclaimed apart from the mark.
For Plate Glass for Use in Automobile Doors and Automobile Windshields.
Claims use since Jan. 1, 1933.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 372,689. WILLIAM L. SANBORN, doing business as Heating Efficiency Engineering, Chicago, Ill. Filed Dec. 14, 1935.

ECON-O-COILS

The word "Coils" is disclaimed apart from the mark.
For Coils for Use in Hot Water Heating Furnaces and the Like.
Claims use since Sept. 6, 1935.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 373,166. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind. Filed Dec. 30, 1935.

X-90

For Piston Rings, Including Compression Rings, Oil Rings, and Sets of Piston Rings.
Claims use since Dec. 20, 1935.

CLASS 37

Paper and Stationery

Ser. No. 372,803. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Dec. 7, 1935.



For Card Index Bonds.
Claims use since September, 1934.

Ser. No. 372,454. SAN-NAP-PAK MFG. CO. INC., New York, N. Y. Filed Dec. 6, 1935.

Countess

For Cleansing Tissue.
Claims use since June 1, 1935.

Ser. No. 372,678. METROPOLITAN PAPER AND BAG CORPORATION, New York, N. Y. Filed Dec. 14, 1935.

WON-NAP TISU

The word "Tisu" is disclaimed apart from the mark.
For Tissue Paper for Wrapping.
Claims use since Jan. 2, 1935.

Ser. No. 373,157. THE PARKER PEN COMPANY, Janesville, Wis. Filed Dec. 28, 1935.

ZEPHYR

For Fountain Pens, Mechanical Pencils, and Desk Sets.
Claims use since May 25, 1934.

Ser. No. 373,298. FOX RIVER PAPER COMPANY, Appleton, Wis. Filed Jan. 2, 1936.

JUBILEE

For Bond Paper.
Claims use since Dec. 21, 1935.

Ser. No. 373,299. FOX RIVER PAPER COMPANY, Appleton, Wis. Filed Jan. 3, 1936.

NOBILITY

For Bond Paper.
Claims use since Dec. 21, 1935.

Ser. No. 373,301. THE STERLING COMPANY, INC., Brooklyn, N. Y. Filed Jan. 6, 1936.

VIRTU

For Paper Napkins.
Claims use since Sept. 20, 1934.

CLASS 38

Prints and Publications

Ser. No. 353,411. SIMMONS TOURS, INC., New York, N. Y. Filed June 30, 1934.

GATEWAY Tours

For Publication Issued Annually.
Claims use since 1924.

Ser. No. 370,334. BERNARD EDWARD CALLAHAN, Chicago, Ill. Filed Oct. 14, 1935.

Who's Who in Major League FOOTBALL

For Books Pertaining to Football Periodically Issued.
Claims use since Aug. 27, 1935.

Ser. No. 370,458. WILLIAM F. DOOLEY, Washington, D. C. Filed Oct. 17, 1935.

THE FAMILY FORGET-ME-NOT

For Household Chart.
Claims use since Apr. 16, 1934.

Ser. No. 372,365. MAX FORESTER, New York, N. Y. Filed Dec. 7, 1935.

P I X

For Publication Issued Periodically.
Claims use since Dec. 1, 1935.

Ser. No. 372,874. GEMLOCK CORPORATION, New York, N. Y. Filed Dec. 20, 1935.

EDITORS' SERVICE

For Weekly Periodical.
Claims use since Nov. 30, 1935.

Ser. No. 373,338. MINNEAPOLIS STAR COMPANY, Minneapolis, Minn. Filed Jan. 6, 1936.

IN THIS CORNER

For Section of a Newspaper Publication.
Claims use since Oct. 17, 1935.

CLASS 39

Clothing

Ser. No. 353,884. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed Dec. 4, 1934. Under section 5b of the act of 1905 as amended in 1920.

LORRAINE
BRETON BLENDS

The words "Breton" and "Blends" are disclaimed apart from the mark.
For Neckwear—Namely, Neckties and Scarfs Made of Cotton Fabrics.
Claims use since Oct. 19, 1934.

Ser. No. 367,767. THOMAS M. OLSEN AND CECILIA P. OLSEN, Chicago, Ill. Filed July 27, 1935.

Celly FROCKS Of The Hour

No claim is made to the word "Frocks" apart from the mark.
For Ladies' Dresses, Ladies' Coats.
Claims use since Jan. 14, 1935.

Ser. No. 368,173. B. FRIEDMAN SHOE CO. INC., New York, N. Y. Filed Aug. 10, 1935.



For Leather Shoes, Fabric Shoes, Rubber Shoes and Shoes of Combinations of Fabric or Rubber and Leather.
Claims use since Feb. 1, 1930.

Ser. No. 370,230. TUPPER, INC., New York, N. Y. Filed Oct. 10, 1935.

STEP-EASE

For Slippers, Shoes, and Sandals Made of Leather, Fabric, and Combinations of Leather and Fabric.
Claims use since Sept. 3, 1935.

Ser. No. 370,256. PHIL KLEIN, New York, N. Y. Filed Oct. 11, 1935.



NeverWet

The words "Never Wet" are disclaimed apart from the mark.
For Coats, Wraps, Neckpieces, Capes, Muffs Made of or Trimmed with Fur.
Claims use since 1930.

Ser. No. 370,313. LONG'S HAT MANUFACTURING CORPORATION, New York and Yonkers, N. Y. Filed Oct. 12, 1935.



For Men's Hats.
Claims use since Sept. 27, 1926.

Ser. No. 372,673. B. ALTMAN & CO., New York, N. Y. Filed Nov. 29, 1935.

Basic

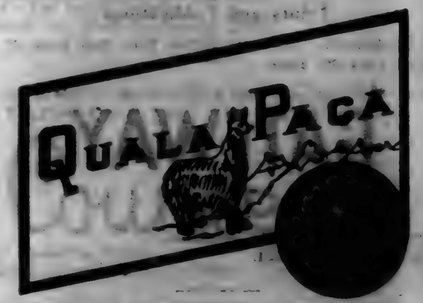
For Dresses for Adults.
Claims use since Nov. 23, 1935.

Ser. No. 372,535. A. M. WEBB & CO., INC., New York, N. Y. Filed Dec. 11, 1935.

ART-WEB

The word "Web" is disclaimed apart from the mark.
For Men's, Women's, and Children's Underwear, Hosiery, Bathing Suits, Jerseys, Sweaters, Knitted Outerwear, and Sportswear—Namely, Polo Shirts, Pullover Shirts, and Blouses, Negligee, and Work Shirts of Knitted and/or Woven Materials; Women's Knitted Dresses, Suits, Vests, Skirts, and Coats.
Claims use since Nov. 1, 1930.

Ser. No. 372,562. WM. P. GOLDMAN & BROS. INC., New York, N. Y. Filed Dec. 12, 1935.



For Men's and Women's Coats, Suits, and Dresses.
Claims use since Nov. 1, 1931.

Ser. No. 372,678. [illegible] & Co., New York, N. Y. Filed Dec. 16, 1935.

SPORTOUR

For Hats for the Use of Men and Women.
Claims use since Nov. 4, 1935.

Ser. No. 373,002. POPULAR DRY GOODS COMPANY, INC., El Paso, Tex. Filed Dec. 16, 1935.



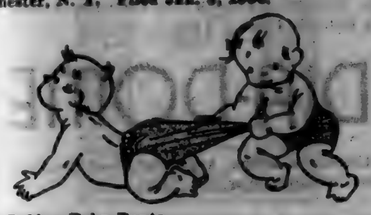
The words "El Paso, Texas" are disclaimed except as shown.
For Men's Coats, Vests, Trousers, and Overcoats.
Claims use since July 1, 1928.

Ser. No. 373,191. SUSQUEHANNA WAIST COMPANY, Philadelphia, Pa. Filed Dec. 30, 1935.

Gardette

For Ladies' Blouses and Dresses.
Claims use since Dec. 26, 1935.

Ser. No. 373,301. INTERNATIONAL LATEX CORPORATION, Rochester, N. Y. Filed Jan. 3, 1936.



For Rubber Baby Pants.
Claims use since Sept. 11, 1935.

Ser. No. 373,321. BERNARD SPOONER, doing business as Fairplay Knitting Mills, Philadelphia, Pa. Filed Jan. 3, 1936.



The drawing is lined for blue.
For Bathing Suits, Sweaters and Polo Shirts.
Claims use since Dec. 20, 1935.

Ser. No. 373,360. CHAS. CHIPMAN'S SONS CO. INC., New York, N. Y. Filed Jan. 6, 1936.

UP-RITES

For Men's Hosiery.
Claims use since December, 1935.

Ser. No. 373,413. DAVID KORN & CO., INC., New York, N. Y. Filed Jan. 7, 1936.

Adorey

For Women's and Misses' Underwear, Slips, Step-ins, Panties, Dance Sets, Chemises, Pajamas, and Night Gowns.
Claims use since Dec. 2, 1935.

Ser. No. 373,443. HOSIERY FROCKS, INC., New York, N. Y. Filed Jan. 8, 1936.

EXPECTANCY
FROCKS

The word "Frocks" is disclaimed apart from the mark.
For Women's Dresses.
Claims use since Dec. 13, 1935.

Ser. No. 373,486. S. L. ASCH CORPORATION, New York, N. Y. Filed Jan. 9, 1936.

THE BELIEVE IT OR NOT HAT

The words "The" and "Hat" are disclaimed apart from the mark.
For Hats and Caps, Particularly Women's Hats.
Claims use since Dec. 31, 1934.

Ser. No. 373,501. SAMUEL SCHEUER, New York, N. Y. Filed Jan. 9, 1936.

CRUSHO

For Women's and Children's Hats and Caps.
Claims use since Dec. 6, 1934.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 372,617. CARL W. ERNSTROM, doing business as Tip-Top Products Company, Omaha, Nebr. Filed Dec. 10, 1935.

TIP-TOP

For Non-Electrical Hair Curlers.
Claims use since Aug. 5, 1934.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 371,948. STEHLI SONS SILK CO. INC., New York, N. Y. Filed Nov. 23, 1935.



For Acetate and Rayon Fabric.
Claims use since Nov. 1, 1935.

Ser. No. 372,502. ARTHUR HEIR & CO., INC., New York, N. Y. Filed Dec. 11, 1935.

ABC
KULESPUN

The word "Kulespun" is disclaimed apart from the mark.
For Piece Goods of Wool and Spun Rayon Mixture.
Claims use since Dec. 6, 1935.

Ser. No. 373,102. GLENDALE FABRICS, INC., New York, N. Y. Filed Dec. 27, 1935.

ROMAN SQUARE

For Textile Fabrics in the Piece, of Cotton, Wool, Silk, Rayon, and/or Combinations Thereof.
Claims use since October, 1935.

Ser. No. 373,196. ARTHUR BEIR & CO., INC., New York, N. Y. Filed Dec. 31, 1935.

ABC

CHILOWEE FABRIC

The word "Fabric" is disclaimed apart from the mark.
For Rayon Piece Goods.
Claims use since Dec. 12, 1935.

CLASS 43

Thread and Yarn

Ser. No. 371,614. KING COTTON MILLS CORPORATION, Richmond, Va. Filed Nov. 15, 1935.

CLOXWRAP

For Knitting and Clocking Yarn.
Claims use since Sept. 26, 1935.

Ser. No. 373,331. CENTRAL YARN CO. INC., Brooklyn, N. Y. Filed Jan. 4, 1936.

CASHEEN

For Yarns of Wool, Angora, Cashmere, and Rayon.
Claims use since Dec. 18, 1935.

Ser. No. 373,432. STEINBERGER BROS. INC., New York, N. Y. Filed Jan. 7, 1936.

SOIREE

For Woolen, Worsted, Angora, Cotton, Silk, and Rayon Yarn, and Mixtures Thereof.
Claims use since Dec. 1, 1935.

Ser. No. 373,694. JAMES LEES & SONS COMPANY, Bridgeport, Pa. Filed Jan. 15, 1936.

MIRVENA

For Combined Wool and Rayon Yarns.
Claims use since Dec. 26, 1935.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 369,283. FRANK ORTO, Newark, N. J. Filed Sept. 18, 1935.



The words "Fine-Tonic Waving Process" are disclaimed apart from the mark.
For Permanent Hair-Waving Machines, Pads, Appliances, and Permanent Hair-Waving Machine Parts.
Claims use since July 6, 1935.

Ser. No. 370,247. CERTAIN CO., INC., Los Angeles, Calif. Filed Oct. 11, 1935.

DIA-CAP

For Uterine Medicinal Applicators and Diaphragms.
Claims use since Feb. 1, 1935.

Ser. No. 370,248. CERTAIN CO., INC., Los Angeles, Calif. Filed Oct. 11, 1935.

DIA-DOME

For Uterine Medicinal Applicators and Diaphragms.
Claims use since Aug. 15, 1935.

Ser. No. 372,727. THE LOEL MANUFACTURING CO., Middleboro, Mass. Filed Dec. 17, 1935.

AVON

The name "Avon" is disclaimed apart from the mark.
For Electric Heating Pad.
Claims use since Dec. 1, 1934.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 370,266. SEMINOLE FLAVOR COMPANY, Chattanooga, Tenn. Filed Oct. 14, 1935.

S.O.S.

For Non-Alcoholic, Non Cereal, Maltless Beverages but as Soft Drinks, and Syrups for Compounding the Same.
Claims use since Oct. 8, 1935.

CLASS 46

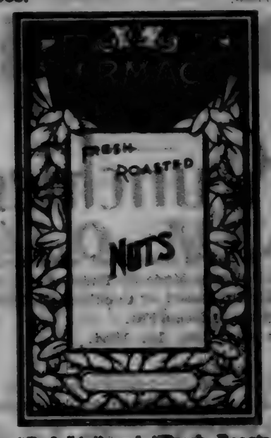
Foods and Ingredients of Foods

Ser. No. 322,951. AMERICAN CORN & PRODUCTS COMPANY, Philadelphia, Pa. Filed Jan. 13, 1933.

GOLDEN TWIST

The word "Twist" is disclaimed apart from the mark.
For Pretzels.
Claims use since November, 1930.

Ser. No. 365,936. JOHN M. GERMACK, Detroit, Mich. Filed June 8, 1935.



The words "Red Lip" and "Fresh Roasted Nuts", and the representation of the goods are disclaimed apart from the mark. The drawing is lined for red.
For Fresh Roasted Nuts.
Claims use since September, 1933.

Ser. No. 367,371. FREDERICK C. EHRBECHER, New Rochelle, N. Y., assignor to Agar Products Inc., New Rochelle, N. Y., a corporation. Filed July 16, 1935.

AGAROONS

For Cookies Generally.
Claims use since June 1, 1935.

Ser. No. 368,380. NORTHERN RICE ASSOCIATES, Sacramento, Calif. Filed Aug. 16, 1935.



For Dried Lima Beans and Dried Fruits and Vegetables.
Claims use since July 18, 1935.

Ser. No. 369,318. ALBERS BROS. MILLING CO., Portland, Oreg, San Francisco, Oakland, Los Angeles, Riverside, and Fresno, Calif., Etc. Filed Sept. 16, 1935.

CARROTONE

For Stock and Poultry Feed.
Claims use since Aug. 22, 1935.

Ser. No. 370,063. P. PASTENE & CO. INC., doing business as Pastene Products Co., New York, N. Y. Filed Oct. 5, 1935.



The drawing is lined for red and blue.
For Canned Fruits and Vegetables, Tomato Paste, Canned Fish—Namely, Canned Salmon and Canned Tuna; Ripe Olives in Bottles, and Olive Oil.
Claims use since Sept. 1, 1934.

Ser. No. 370,155. THOMPKINS & ECKART, San Francisco, Calif. Filed Oct. 8, 1935.

TIME FOR

For Canned Fish, Canned Vegetables, Fruit Juices for Food Purposes, Olives, Jellies, Coffee, Canned Evaporated Milk, Dried Fruits, Baking Powder, Allspice, Mushroom Sauce, Soups, Worcestershire Style Sauce, Peanut Butter, Gelatine Dessert, Raviola, Pickles.
Claims use since Sept. 20, 1935.

Ser. No. 370,306. GUM, INC., Philadelphia, Pa. Filed Oct. 12, 1935.

FILM FUNNIES

The drawing is lined for red.
For Chewing Gum.
Claims use since Sept. 24, 1935.

Ser. No. 870,650. CAFETEROS DE PUERTO RICO, Ponce, Puerto Rico. Filed Oct. 22, 1935.



All wording except applicant's name is disclaimed apart from the mark.
For Ground and Bean Roasted Coffee.
Claims use since May 1, 1935.

Ser. No. 871,000. DAVID G. PLATTER COFFEE COMPANY, INC., Denison, Tex. Filed Oct. 30, 1935.



The word "Coffee" is disclaimed apart from the mark.
For Coffee.
Claims use since Oct. 1, 1931.

Ser. No. 871,788. ST. FRANCIS PRODUCTS CO., San Francisco, Calif. Filed Nov. 20, 1935.

ICE FLOE

For Ice Cream Powder and Milk Food Powder Made of Non-Fat Solids of Milk and Vegetable Fats, for Use Like Fresh Milk After the Addition of Water.
Claims use since Nov. 2, 1935.

Ser. No. 872,006. RICER-JACKSON, Anaheim, Calif. Filed Nov. 26, 1935.

Korn Krunchies

The word "Korn" is disclaimed apart from the mark.
For Edible Delicacy Made of Parched and Puffed Field Corn Especially Processed by Cooking in a Pressure Cooker and Then Frying in Deep Fat.
Claims use since Dec. 18, 1934.

Ser. No. 872,227. WILBUR-SUCHARD CHOCOLATE COMPANY, Lititz, Pa. Filed Dec. 2, 1935.



For Chocolate, Sweet Chocolate, Semi-Sweet Chocolate, Milk Chocolate, Sweet Milk Chocolate, Baking Chocolate, Chocolate Fruit and Nut Bars, and Chocolate Flavored Syrup Used as a Topping for Ice Cream Sundaes, Puddings, Cakes, and Other Food Products.
Claims use since Nov. 27, 1894, on sweet chocolate and milk chocolate; since Apr. 12, 1895, on chocolate flavored syrup; since Apr. 26, 1900, on chocolate, sweet milk chocolate, semi-sweet chocolate and chocolate fruit and nut bars; and since May 26, 1925, on baking chocolate.

Ser. No. 872,419. TRIBUNE AMERICAN IMPORTING CO., St. Louis, Mo. Filed Dec. 9, 1935.

Conte Rosso

For Olive Oil.
Claims use since Sept. 1, 1923.

Ser. No. 872,596. AL J. HANTEN, doing business as Duluth Malted Co., St. Paul, Minn. Filed Dec. 13, 1935.

"SIESTA"

For Preparations for Making Food Drinks.
Claims use since Nov. 14, 1933.

Ser. No. 872,699. THE WELLS FARGO COMPANY OF ARIZONA, Nogales, Ariz. Filed Dec. 16, 1935.

LIMEXO

For Fresh Limes.
Claims use since July, 1934.

Ser. No. 872,936. TIOGA MILLS, INC., Waverly, N. Y. Filed Dec. 21, 1935.

BALO - MEAL

The word "Meal" is disclaimed apart from the mark.
For Dog Food.
Claims use since Dec. 3, 1935.

Ser. No. 872,937. TIOGA MILLS, INC., Waverly, N. Y. Filed Dec. 21, 1935.

BALO - BITES

For Dog Food.
Claims use since Dec. 3, 1935.

Ser. No. 872,938. TIOGA MILLS, INC., Waverly, N. Y. Filed Dec. 21, 1935.

BALO - FOOD

The word "Food" is disclaimed apart from the mark.
For Dog Food.
Claims use since Dec. 3, 1935.

Ser. No. 873,032. J. C. HUTCHISON, doing business as J. C. Hutchison & Company, Sanford, Fla., and Newark, N. Y. Filed Dec. 24, 1935.

TURQUOISE

For Fresh Vegetables.
Claims use since Aug. 1, 1934.

Ser. No. 873,033. J. C. HUTCHISON, doing business as J. C. Hutchison & Company, Sanford, Fla., and Newark, N. Y. Filed Dec. 24, 1935.

TOP KICK

For Fresh Vegetables.
Claims use since Aug. 1, 1934.

Ser. No. 873,077. FARM BUREAU COOPERATIVE ASSOCIATION, Columbus, Ohio. Filed Dec. 26, 1935.



For Potatoes.
Claims use since Sept. 21, 1934.

Ser. No. 873,170. M. A. GOTTFRIED, doing business as M. A. Gottfried Co., Santa Paula, Calif. Filed Dec. 30, 1935.

MAGCO

For Fresh Vegetables.
Claims use since Dec. 18, 1935.

Ser. No. 873,198. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio. Filed Dec. 31, 1935.

Hadoma

For Cheese.
Claims use since Nov. 18, 1935.

Ser. No. 873,264. LAKELAND GROVES COMPANY, Lakeland, Fla. Filed Jan. 3, 1936.

PADDY

For Fresh Citrus Fruit.
Claims use since Oct. 22, 1935.

CLASS 47

Wines

Ser. No. 866,677. SOCIÉTÉ A RESPONSABILITÉ LIMITÉE E & V BESSERAT, Ay, France. Filed June 26, 1935.



The words "Champagne" and "Ay-Champagne" are disclaimed apart from the mark.
For Sparkling Wines.
Claims use since Dec. 17, 1931.

CLASS 48

Malt Beverages and Liquors

Ser. No. 860,947. MARATHON CITY BREWING COMPANY, Marathon City, Wis. Filed Jan. 22, 1935.

Tannenbaum

For Lager Beer.
Claims use since Mar. 1, 1903.

Ser. No. 873,253. FLOCK BREWING CO., Williamsport, Pa. Filed Jan. 2, 1936.

WOODMELLO

For Ale.
Claims use since Dec. 27, 1935.

Ser. No. 373,070. C. SCHMIDT & SONS, INC., Philadelphia, Pa. Filed Jan. 22, 1936.

PURITAN

For Malt Beverages With Not More Than the Legal Alcoholic Content—Namely, Beer, Porter, Ale.
Claims use since June 1, 1892.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 373,226. VICTOR M. RAMIREZ, doing business as V. M. Ramirez y Cia., Mayaguez, Puerto Rico, and New York, N. Y. Filed Dec. 31, 1935.

MAGIC LIQUER

No claim is made to the word "Liquer" apart from the mark. The signature is that of applicant.
For Distilled Alcoholic Orange Liqueurs.
Claims use since Jan. 1, 1935.

Ser. No. 373,235. STE. PIERRE SMIRNOFF FLS. INCORPORATED, New York, N. Y. Filed Dec. 31, 1935.

CLUBMAN

For Vodka.
Claims use since Dec. 21, 1935.

Ser. No. 373,236. STE. PIERRE SMIRNOFF FLS. INCORPORATED, New York, N. Y. Filed Dec. 31, 1935.

DEEPDALE

For Vodka.
Claims use since Dec. 21, 1935.

Ser. No. 373,238. STE. PIERRE SMIRNOFF FLS. INCORPORATED, New York, N. Y. Filed Dec. 31, 1935.

OLD TOKEN

For Vodka.
Claims use since Dec. 21, 1935.

Ser. No. 373,239. STE. PIERRE SMIRNOFF FLS. INCORPORATED, New York, N. Y. Filed Dec. 31, 1935.

RYBROOK

For Vodka.
Claims use since Dec. 21, 1935.

Ser. No. 373,384. MARQUIS & COMPANY, Philadelphia, Pa. Filed Jan. 6, 1936.

PRIDE OF PANAMA

For Whiskey.
Claims use since June 1, 1915.

Ser. No. 373,408. ADAMS, MITCHELL & CO., INC., Boston, Mass. Filed Jan. 7, 1936.

MADELON

For Gin.
Claims use since May 1, 1934.

Ser. No. 373,438. THE AMERICAN DISTILLING COMPANY, Pekin, Ill. Filed Jan. 8, 1936.

SOUTHERN PRIDE

For Straight Whiskey.
Claims use since May 22, 1934.

Ser. No. 373,572. MISSION DRY CORPORATION, Los Angeles, Calif. Filed Jan. 11, 1936.



The drawing is lined for black and gold.
For Sloe Gin, Gin, Gin Highball, Gin Rickey, Tom Collins, Whiskey, and Brandy.
Claims use since Dec. 5, 1933.

Ser. No. 373,587. BERROWS & COMPANY, INC., New York, N. Y. Filed Jan. 13, 1936.

BEST O' BEEED

For Scotch Whisky.
Claims use since Dec. 26, 1935.

Ser. No. 373,612. PADRE VINEYARD CO., Los Angeles, Calif. Filed Jan. 13, 1936.

OLD PADRE

For Brandy.
Claims use since Jan. 8, 1936.

Ser. No. 373,661. THE AMERICAN DISTILLING COMPANY, Pekin, Ill., and New York, N. Y. Filed Jan. 15, 1936.

STILLBROOK

For Gin, and Whiskey, Including Straight Rye Whiskey, Straight Bourbon Whiskey, Blended Whiskey, and Straight Corn Whiskey.
Claims use since Apr. 6, 1934.

Ser. No. 373,726. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky. Filed Jan. 16, 1936.

MARYLAND DEW

For Whiskey.
Claims use since Dec. 5, 1935.

Ser. No. 373,727. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky. Filed Jan. 16, 1936.

MIDSHIPMAN

For Whiskey.
Claims use since Dec. 5, 1935.

Ser. No. 373,736. KROGMAN DISTILLING CO., INC., Tell City, Ind. Filed Jan. 16, 1936.

BRUSHY FORK

For Whiskey.
Claims use since Sept. 27, 1935.

Ser. No. 373,737. KROGMAN DISTILLING CO., INC., Tell City, Ind. Filed Jan. 16, 1936.

Lincoln Trail

For Whiskey.
Claims use since Sept. 27, 1935.

Ser. No. 373,740. B. MANSFIELD, doing business as B. Mansfield & Co., Effingham, Ill. Filed Jan. 16, 1936.

AMERICAN HEART

For Gin, Whiskey, and Brandy.
Claims use since July 1, 1934.

Ser. No. 373,741. B. MANSFIELD, doing business as B. Mansfield & Co., Effingham, Ill. Filed Jan. 16, 1936.

KENTUCKY HEART

For Gin, Whiskey, and Brandy.
Claims use since July 1, 1934.

Ser. No. 373,749. ROCHESTER DISTILLING COMPANY, INC., Rochester, N. Y. Filed Jan. 16, 1936.

GENESEE CHIEF

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Nov. 12, 1935.

Ser. No. 373,750. ROCHESTER DISTILLING COMPANY, INC., Rochester, N. Y. Filed Jan. 16, 1936.

ORANGE VALLEY

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Nov. 12, 1935.

Ser. No. 373,817. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Jan. 18, 1936.

KINGS MOUNTAIN

For Whiskey.
Claims use since Nov. 11, 1935.

Ser. No. 373,834. MID-WESTERN DISTILLERY PRODUCTS, INC., Louisville, Ky. Filed Jan. 18, 1936.

Old Gray Mare

For Whiskey.
Claims use since Nov. 9, 1935.

Ser. No. 373,835. NUSSBAUM LIQUOR STORE, INC., New York, N. Y. Filed Jan. 16, 1936.

FIVE LORDS

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Dec. 14, 1935.

Ser. No. 373,855. HENRY J. WEST, Terre Haute, Ind. Filed Jan. 18, 1936.



For Whiskey.
Claims use since June 17, 1933.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 366,862. THE LEATHERCRAFT CORPORATION, New York, N. Y. Filed July 1, 1935.

Craft-ter

The word "Craft" is disclaimed apart from the mark.
For Artificial Leather.
Claims use since January, 1935.

Ser. No. 371,245. WOOLMAN AND ROSLIN, New York, N. Y. Filed Nov. 5, 1935.

WHITE-PAK

For Containers of Different Colors Having a Brush and a Material of Different Colors for Application to Shoes for Cleaning, Coloring, and/or Polishing the Same.
Claims use since Oct. 10, 1935.

Ser. No. 372,189. N. S. MEYER, INC., New York, N. Y. Filed Nov. 30, 1935.

MEYER PLATE

For Insignia, Buttons, and Ornaments Made of a Special Metal and Designed Especially for Use on Army, Marine, and Other Uniforms and Equipment, and More Particularly on Collars, Shoulder Straps, Caps, and Other Uniform Trimmings.
Claims use since December, 1934.

Ser. No. 372,140. N. S. MEYER, INC., New York, N. Y. Filed Nov. 30, 1935.

MYRGOLD

For Insignia, Buttons, and Ornaments Made of a Special Metal and Designed Especially for Use on Army, Marine, and Other Uniforms and Equipment, and More Particularly on Collars, Shoulder Straps, Caps, and Other Uniform Trimmings.
Claims use since December, 1934.

Ser. No. 372,551. KING INNOVATIONS, INC., New York, N. Y. Filed Dec. 5, 1935.

ALPHABETTA

For Leather Substitutes.
Claims use since Nov. 6, 1935.

Ser. No. 372,358. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Dec. 7, 1935.

TEXTOLITE

For Non-Metallic Sheet Material Formed From Textile Material and a Binder.
Claims use since 1927.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

FEBRUARY 25, 1936

332,688. WINES. ACAMPO WINERY, INCORPORATED, Acampo, Calif.
Filed October 26, 1935. Serial No. 370,961. PUBLISHED DECEMBER 17, 1935. Class 47.

332,689. NAPHTHENATE WHICH IS ADDED TO DRYING OILS IN ORDER TO INCREASE THEIR VISCOSITY. ADVANCE SOLVENTS & CHEMICAL CORPORATION, New York, N. Y.
Filed September 30, 1935. Serial No. 369,520. PUBLISHED DECEMBER 17, 1935. Class 6.

332,690. PHARMACEUTICAL PREPARATION FOR THE TREATMENT OF RINGWORM OF THE FEET. JOSEPH F. ALLISON, doing business as Footfree Company, Falls Church, Va.
Filed September 12, 1935. Serial No. 369,420. PUBLISHED DECEMBER 17, 1935. Class 6.

332,691. PLAIN AND UPHOLSTERED DAVENPORTS. AMBASSADOR UPHOLSTERY SHOPS, INC., Jersey City, N. J.
Filed October 23, 1935. Serial No. 370,924. PUBLISHED DECEMBER 10, 1935. Class 32.

332,692. ELECTROLYTES. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa.
Filed November 5, 1934. Serial No. 357,887. PUBLISHED DECEMBER 17, 1935. Class 6.

332,693. ZINC OXIDE HAVING GENERAL USE IN THE INDUSTRIAL ARTS BUT EXCLUSIVE OF PHARMACEUTICAL PREPARATIONS MADE WITH OR FROM ZINC OXIDE. AMERICAN ZINC SALES COMPANY, St. Louis, Mo.
Filed October 18, 1935. Serial No. 370,492. PUBLISHED DECEMBER 17, 1935. Class 6.

332,694. ZINC OXIDE HAVING GENERAL USE IN THE INDUSTRIAL ARTS BUT EXCLUSIVE OF PHARMACEUTICAL PREPARATIONS MADE WITH OR FROM ZINC OXIDE. AMERICAN ZINC SALES COMPANY, St. Louis, Mo.
Filed October 18, 1935. Serial No. 370,493. PUBLISHED DECEMBER 17, 1935. Class 6.

332,695. MATTRESSES, PILLOWS. THE ANTISEPTIC MATTRESS COMPANY, Lynn, Mass.
Filed September 24, 1935. Serial No. 369,650. PUBLISHED DECEMBER 10, 1935. Class 32.

332,696. LIQUID RUBBER COMPOUND FOR USE AS A COATING COMPOSITION FOR SHIPPING CONTAINERS IN THE NATURE OF A PAINT. THE ARABOL MANUFACTURING COMPANY, New York, N. Y.
Filed October 24, 1935. Serial No. 370,751. PUBLISHED DECEMBER 17, 1935. Class 16.

332,697. LIQUEFIED PETROLEUM GAS FOR HEATING AND ILLUMINATING PURPOSES. J. J. ARMOUR, Sonora, Tex.
Filed August 26, 1935. Serial No. 368,677. PUBLISHED DECEMBER 10, 1935. Class 6.

332,698. RAZOR BLADES. ATLANTIC & PACIFIC MERCHANDISE CO., New York, N. Y.
Filed September 13, 1933. Serial No. 341,588. PUBLISHED OCTOBER 24, 1933. Class 28.

332,699. CEMENT PAINT. ATLANTIC CALSOMINE CO., INC., Brooklyn, N. Y.
Filed November 4, 1935. Serial No. 371,133. PUBLISHED DECEMBER 17, 1935. Class 16.

332,700. HOT WATER WALL FINISH. ATLANTIC CALSOMINE CO., INC., Brooklyn, N. Y.
Filed November 4, 1935. Serial No. 371,132. PUBLISHED DECEMBER 17, 1935. Class 16.

332,701. FROZEN GREEN PEAS. M. AUGENBLICK & BRO., INC., Newark, N. J.
Filed November 7, 1935. Serial No. 371,294. PUBLISHED DECEMBER 17, 1935. Class 46.

332,702. CONTINUOUS WRITING STRIPS INTERLEAVED WITH CARBON STRIPS FOR USE IN MANIFOLDING REGISTERS, IN TYPEWRITERS, AND IN OTHER MACHINES. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J.
Filed October 31, 1935. Serial No. 371,015. PUBLISHED DECEMBER 17, 1935. Class 37.

332,703. CANDY-LIKE PRODUCT FOR TREATMENT OF MINOR THROAT IRRITATIONS AND COUGHS DUE TO COLDS. B. & C. SCIENTIFIC PRODUCTS, INC., Seattle, Wash.
Filed September 5, 1935. Serial No. 369,002. PUBLISHED DECEMBER 10, 1935. Class 6.

332,704. POCKETBOOKS AND HANDBAGS. BAGFAIR, INC., New York, N. Y.
Filed February 20, 1935. Serial No. 361,928. PUBLISHED DECEMBER 17, 1935. Class 3.

332,705. HAIR TINTING PREPARATIONS. BEAUTY PRODUCTS, INC., Denver, Colo.
Filed March 14, 1935. Serial No. 362,507. PUBLISHED DECEMBER 10, 1935. Class 6.

332,706. LAXATIVE TABLETS. D. B. BELLI INC., doing business as Medicated Chocolates Company, San Francisco, Calif.
Filed October 21, 1935. Serial No. 370,596. PUBLISHED DECEMBER 10, 1935. Class 6.

332,707. CANNED FRUIT. BISCUIT RICHARDS PACKING COMPANY, Sacramento, Calif.
Filed September 11, 1935. Serial No. 369,178. PUBLISHED DECEMBER 17, 1935. Class 46.

332,708. RAZOR BLADES. BERG & NATHAN CO., doing business as B & N Sales Co., Chicago, Ill.
Filed October 4, 1935. Serial No. 369,989. PUBLISHED DECEMBER 10, 1935. Class 28.

332,709. LIQUID PREPARATION TAKEN INTERNALLY FOR THE TREATMENT OF COUGHS, COLDS, WHOOPING COUGH, AND RESPIRATORY DISEASES. ERNST BISCHOFF COMPANY, INCORPORATED, New York, N. Y.
Filed October 30, 1935. Serial No. 370,985. PUBLISHED DECEMBER 17, 1935. Class 6.

332,710. MEDICINES FOR THE RELIEF OF INDIGESTION AILMENTS, SOUR STOMACH, GAS ON THE STOMACH AND IN THE BOWELS, AND SIMILAR COMPLAINTS. DEAN E. BOST, doing business as E. P. Laboratory, Louisville, Ohio.
Filed October 14, 1935. Serial No. 370,333. PUBLISHED DECEMBER 10, 1935. Class 6.

332,711. HAIR LOTION. ROBERT BRIGGS, New York, N. Y.
Filed October 2, 1935. Serial No. 369,908. PUBLISHED DECEMBER 10, 1935. Class 6.

332,712. SKINS OF LEATHER. BRIGHTMAN LEATHER CO. INC., Brooklyn, N. Y.
Filed June 22, 1935. Serial No. 366,806. PUBLISHED DECEMBER 17, 1935. Class 1.

332,713. WINES. LUIS CABALLERO, Chipiona, Spain.
Filed August 11, 1934. Serial No. 354,589. PUBLISHED DECEMBER 17, 1935. Class 47.

332,714. SCOTCH WHISKY. S. CAMPBELL & SON LTD., Glasgow, Scotland.
Filed November 8, 1935. Serial No. 371,335. PUBLISHED DECEMBER 24, 1935. Class 49.

332,715. FUMIGATING COMPOSITIONS. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed October 17, 1935. Serial No. 370,457. PUBLISHED DECEMBER 17, 1935. Class 6.

332,716. CLEARING MATERIALS FOR USE IN THE BEVERAGE INDUSTRY AND FERMENTATION BUSINESS—NAMELY, WOODEN CHIPS OR WOOD AND PITCH IN FINELY DIVIDED CONDITION, ETC. CHEMISCHE WERKE MARIENFELDE A. G., Berlin-Marienfelde, Germany.
Filed September 29, 1934. Serial No. 356,576. PUBLISHED DECEMBER 17, 1935. Class 50.

332,717. CLEARING MATERIALS FOR USE IN THE BEVERAGE INDUSTRY AND FERMENTATION BUSINESS—NAMELY, WOODEN CHIPS OR WOOD AND PITCH IN FINELY DIVIDED CONDITION, ETC. CHEMISCHE WERKE MARIENFELDE A. G., Berlin-Marienfelde, Germany.
Filed November 6, 1934. Serial No. 357,942. PUBLISHED DECEMBER 17, 1935. Class 50.

332,718. HAIR TONIC. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y.
Filed October 8, 1935. Serial No. 370,187. PUBLISHED DECEMBER 10, 1935. Class 6.

332,719. HAIR TONIC. IGNAZIO CIRCHIRILLO, Little Ferry, N. J.
Filed October 17, 1935. Serial No. 370,458. PUBLISHED DECEMBER 17, 1935. Class 6.

332,720. CANDY. VIRGIL CLARYS, doing business as J. C. Clarys, South Bend, Ind.
Filed October 11, 1935. Serial No. 370,249. PUBLISHED DECEMBER 17, 1935. Class 46.

332,721. WHISKEY, GIN, BRANDY, ALCOHOLIC CORDIALS AND LIQUEURS. JAMES CLARK DISTILLING CORPORATION, Jersey City, N. J.
Filed November 8, 1935. Serial No. 371,338. PUBLISHED DECEMBER 24, 1935. Class 49.

332,722. WHISKEY, BRANDY, GIN, ALCOHOLIC CORDIALS, AND RUM. COMPAÑIA RON BACARDI, S. A., Santiago, Cuba.
Filed June 19, 1934. Serial No. 352,849. PUBLISHED MAY 21, 1935. Class 49.

332,723. NONALCOHOLIC MALTLESS POWDER FOR MAKING SOFT DRINKS. COOL MAID CANDY COMPANY, Salt Lake City, Utah.
Filed March 18, 1935. Serial No. 362,673. PUBLISHED MAY 7, 1935. Class 45.

332,724. WHISKEY. DEHERRIN'S WHOLESALE LIQUOR CO., Kansas City, Mo.
Filed November 15, 1935. Serial No. 371,589. PUBLISHED DECEMBER 24, 1935. Class 49.

332,725. OINTMENT OR UNGUENT USED FOR THE TREATMENT AND RELIEF OF SKIN CONDITIONS SUCH AS PSORIASIS, ECZEMA, ALOPECIA, AND OTHER SKIN IRRITATIONS. DERMAL CHEMICAL COMPANY INC., Jersey City, N. J.
Filed August 21, 1935. Serial No. 368,520. PUBLISHED DECEMBER 10, 1935. Class 6.

332,726. PREPARATIONS AND COMPOUNDS IN FORM OF DROPS, BONBONS OR TABLETS, CONTAINING ETHER OILS OR SALTS; DROPS, BONBONS OR TABLETS CONTAINING MENTHOL, PEPPERMINT OR FRUIT ESSENCES WHICH HAVE A STIMULATING EFFECT AND ARE SUITABLE TO BE USED FOR DISEASES OF THE THROAT OR MOUTH. DR. HILLERS AKTIENGESELLSCHAFT NAHR- UND HEILMITTELWERK, Grafrath, Kreis Solingen, Germany.
Filed November 9, 1934. Serial No. 358,052. PUBLISHED DECEMBER 17, 1935. Class 6.

332,727. ELECTRIC SIGNAL LAMPS. DORAY LAMP CO., INC., Chicago, Ill.
Filed September 18, 1935. Serial No. 369,442. PUBLISHED DECEMBER 10, 1935. Class 21.

332,728. TRACTORS. DUPLEX PRINTING PRESS CO., Battle Creek, Mich.
Filed October 7, 1935. Serial No. 370,094. PUBLISHED DECEMBER 10, 1935. Class 22.

332,729. SALAD DRESSING. DURKEE FAMOUS FOODS, INC., Berkeley, Calif.
Filed August 14, 1935. Serial No. 368,292. PUBLISHED DECEMBER 17, 1935. Class 46.

332,730. BEER, STOUT, ALE, AND PORTER. REISS BREWING COMPANY, INC., Brooklyn, N. Y.
Filed October 28, 1935. Serial No. 370,878. PUBLISHED DECEMBER 17, 1935. Class 49.

332,731. GIN. FAIRFIELD DISTILLING CO., Louisville, Ky.
Filed November 11, 1935. Serial No. 371,425. PUBLISHED DECEMBER 17, 1935. Class 49.

332,732. WHISKEY. FAIRFIELD DISTILLING CO., Louisville, Ky.
Filed November 11, 1935. Serial No. 371,426. PUBLISHED DECEMBER 17, 1935. Class 49.

332,733. APPARATUS FOR PROJECTING RECORDED IMAGES FOR DELINEATION, EDUCATIONAL, AND OTHER PURPOSES. FEDERAL STAMPING & ENGINEERING CORP., Brooklyn, N. Y.
Filed October 18, 1935. Serial No. 370,503. PUBLISHED DECEMBER 10, 1935. Class 26.

332,734. PRODUCTS INTENDED FOR THE TREATMENT OF FLOORS—NAMELY, WAXES. FULD BROS., INC., Baltimore, Md.
Filed August 23, 1935. Serial No. 368,022. PUBLISHED DECEMBER 3, 1935. Class 16.

332,735. COUGH DROPS. GENERAL FOOD PRODUCTS CO., Los Angeles, Calif.
Filed August 26, 1935. Serial No. 368,691. PUBLISHED DECEMBER 10, 1935. Class 6.

332,736. PILE OINTMENT. DIMITRIOS P. GROSSI, doing business as George & Co., Washington, D. C.
Filed October 7, 1935. Serial No. 370,096. PUBLISHED DECEMBER 10, 1935. Class 6.

332,737. WINES. GIUSEPPE GUERRISI, doing business as Santa Fe Vintage Company, Los Angeles, Calif.
Filed October 21, 1935. Serial No. 370,610. PUBLISHED DECEMBER 17, 1935. Class 47.

332,738. CANNED VEGETABLES, CANNED MUSHROOMS, CANNED ORANGE, CANNED, PINEAPPLE, CANNED PEAS, CANNED BEANS, CANNED FISH, CANNED SHELLFISH, CANNED CRAB, AND CANNED SHRIMPS. GOMEI KAISHA DOMOTO SHOKAI, Minamiku Osaka, Japan.
Filed August 10, 1935. Serial No. 368,177. PUBLISHED DECEMBER 17, 1935. Class 46.

332,739. WHISKEY. GOODERHAM & WORTS LIMITED, Detroit, Mich.
Filed December 6, 1934. Serial No. 358,963. PUBLISHED FEBRUARY 12, 1935. Class 49.

332,740. GENERAL TONIC, NOSE DROPS, A LAXATIVE, AN EXPECTORANT, A LIQUID VEHICLE CONSTITUTING A BASE FOR OTHER MEDICINAL INGREDIENTS, A DOUCHE POWDER, AND A NERVE QUIETING MEDICINE. GREEN CROSS PHARMACEUTICAL PRODUCTS, INC., New York, N. Y.
Filed August 17, 1935. Serial No. 368,414. PUBLISHED DECEMBER 17, 1935. Class 6.

332,741. WHEAT FLOUR. HALL MILLING COMPANY, St. Louis, Mo.
Filed November 8, 1935. Serial No. 371,213. PUBLISHED DECEMBER 17, 1935. Class 46.

332,742. TOOTHPICKS. HARDWOOD PRODUCTS CO., Mayville, Mich.
Filed October 2, 1935. Serial No. 369,919. PUBLISHED DECEMBER 17, 1935. Class 44.

332,743. TOOTHPICKS. HARDWOOD PRODUCTS CO. Mayville, Mich.
Filed October 2, 1935. Serial No. 369,920. PUBLISHED DECEMBER 17, 1935. Class 44.

332,744. TOOTHPICKS. HARDWOOD PRODUCTS CO., Mayville, Mich.
Filed October 2, 1935. Serial No. 369,922. PUBLISHED DECEMBER 17, 1935. Class 44.

332,745. SACHET. BENJAMIN HARRIS, doing business as Lucky Flowers Co., New York, N. Y.
Filed September 18, 1935. Serial No. 369,259. PUBLISHED DECEMBER 17, 1935. Class 6.

332,746. PHARMACEUTICAL PREPARATIONS—NAMELY, TABLETS CONTAINING BISMUTH SUBNITRATE, CHARCOAL GINGER, SODIUM BICARBONATE, AND AROMATICS USED IN NERVOUS DYSPEPSIA, FLATULENCE, HYPERCHLORHYDRIA, AND GASTRIC IRRITABILITY. THE G. F. HARVEY COMPANY, Saratoga Springs, N. Y.
Filed August 31, 1935. Serial No. 368,886. PUBLISHED DECEMBER 17, 1935. Class 6.

332,747. PHARMACEUTICAL PREPARATION RICH IN VITAMINS AND CALCIUM AND INTENDED FOR USE AS A NUTRITIVE TONIC. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed September 21, 1935. Serial No. 369,573. PUBLISHED DECEMBER 3, 1935. Class 6.

332,748. SCREWS, INCLUDING SOCKETED CAP AND SET SCREWS, STRIPPER BOLTS, AND PIPE PLUGS. THE HOLO-KROME SCREW CORPORATION, Bristol, Conn.
Filed July 10, 1935. Serial No. 367,120. PUBLISHED DECEMBER 17, 1935. Class 13.

332,749. PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH SALTS, BRILLIANTINE, BANDOLINE, ROUGE, LIPSTICKS, DUSTING POWDER, SACHET, COLD CREAMS, LOTION FOR THE SKIN AND HAIR, POWDER AND ROUGE COMPACTS, AND EAU VEGETAL. HOUBIGANT, INC., New York, N. Y.
Filed October 26, 1935. Serial No. 370,831. PUBLISHED DECEMBER 17, 1935. Class 6.

332,750. BATH BRUSHES. INDIANA OX FIBRE BRUSH COMPANY, Seymour, Ind.
Filed November 2, 1935. Serial No. 371,060. PUBLISHED DECEMBER 17, 1935. Class 29.

332,751. BLEND OF FATTY ACIDS DERIVED FROM THE FATS AND RESINS OCCURRING NATURALLY IN PINE OR OTHER WOODS HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. INDUSTRIAL CHEMICAL SALES COMPANY, INC., New York, N. Y.
Filed October 4, 1934. Serial No. 356,769. PUBLISHED DECEMBER 10, 1935. Class 6.

332,752. FRESH CITRUS FRUITS — NAMELY, ORANGES, GRAPEFRUIT, TANGERINES, AND LIMES. INTERNATIONAL FRUIT CORPORATION, Tampa, Fla.
Filed November 5, 1935. Serial No. 371,215. PUBLISHED DECEMBER 17, 1935. Class 46.

332,753. PREPARATION FOR THE RELIEF OF RHEUMATISM, ARTHRITIS, SCIATICA, NEURITIS, LUMBAGO, AND SIMILAR ILLS CAUSED OR AGGRAVATED BY EXCESS URIC ACID. ALFRED H. JOHNS, Wheeling, W. Va.
Filed October 15, 1935. Serial No. 370,382. PUBLISHED DECEMBER 17, 1935. Class 6.

332,754. TOILET BRUSHES. KESSER PRODUCTS INC., New York, N. Y.
Filed October 26, 1935. Serial No. 370,833. PUBLISHED DECEMBER 17, 1935. Class 29.

332,755. LAXATIVE PREPARATION IN TABLET FORM. GERHARD KNEWITZ, East St. Louis, Ill., and St. Louis, Mo.
Filed October 8, 1935. Serial No. 370,145. PUBLISHED DECEMBER 10, 1935. Class 6.

332,756. COAL BURNING STOVES AND RANGES. KOL-AX INC., Stroudsburg, Pa.
Filed October 29, 1935. Serial No. 370,951. PUBLISHED DECEMBER 17, 1935. Class 34.

332,757. PICKLED HERRING, SALTED HERRING, AND SMOKED HERRING. OTTO L. KUEHN CO., Milwaukee, Wis.
Filed October 19, 1935. Serial No. 370,559. PUBLISHED DECEMBER 17, 1935. Class 46.

332,758. FILE CLEANERS. EDWARD C. KNUDSON, Chicago, Ill.
Filed October 23, 1935. Serial No. 370,712. PUBLISHED DECEMBER 10, 1935. Class 23.

332,759. DEODORANT POWDER. KRANE PRODUCTS, Newark, N. J.
Filed October 1, 1935. Serial No. 369,890. PUBLISHED DECEMBER 10, 1935. Class 6.

332,760. HAIR WAVE SETTING SOLUTION. LA FAIN SALES CO., Buffalo, N. Y.
Filed October 17, 1935. Serial No. 370,469. PUBLISHED DECEMBER 17, 1935. Class 6.

332,761. SOLID CARBON DIOXIDE. THE LIQUID CARBONIC CORPORATION, Chicago, Ill.
Filed July 1, 1935. Serial No. 366,865. PUBLISHED DECEMBER 17, 1935. Class 6.

332,762. STUFFED TOY ANIMALS. LOEB, HARTMAN AND BEACH, Brooklyn, N. Y.
Filed September 23, 1935. Serial No. 369,819. PUBLISHED DECEMBER 10, 1935. Class 22.

332,763. IRONING TABLES. FREDERICK LOESER & CO., INC., Brooklyn, N. Y.
Filed October 29, 1935. Serial No. 370,956. PUBLISHED DECEMBER 17, 1935. Class 24.

332,764. BREAD. THE W. E. LONG CO., doing business as The Holsum Bakery, Chicago, Ill.
Filed September 23, 1935. Serial No. 369,620. PUBLISHED DECEMBER 17, 1935. Class 46.

332,765. WINES. LYONS-MAGNUS, INC., doing business as The E. G. Lyons & Bass Co., San Francisco, Calif.
Filed October 29, 1935. Serial No. 370,957. PUBLISHED DECEMBER 17, 1935. Class 47.

332,766. MEDICINAL PREPARATION FOR USE AS A GARGLE IN TONSILITIS, PHARYNGITIS, SORE MOUTH, HOARSENESS, AND LARYNGITIS. MCBEE LABORATORIES, Jamaica, N. Y.
Filed August 12, 1935. Serial No. 368,235. PUBLISHED DECEMBER 10, 1935. Class 6.

332,767. MOPS FOR THE USE ON FLOORS OR OTHERWISE OF THE WET AND DRY VARIETY, AND MOP HEADS MADE FROM YARN. MCCALLUM & ROBINSON, INC., Memphis, Tenn.
Filed October 8, 1935. Serial No. 370,146. PUBLISHED DECEMBER 17, 1935. Class 29.

332,768. SMOKING PIPES. JAMES F. MCCONNOCHIE, South Norwalk, Conn.
Filed August 17, 1935. Serial No. 368,419. PUBLISHED DECEMBER 17, 1935. Class 8.

332,769. SMOKING PIPES. JAMES F. MCCONNOCHIE, South Norwalk, Conn.
Filed August 17, 1935. Serial No. 368,420. PUBLISHED DECEMBER 17, 1935. Class 8.

332,770. DOLLS. MRS. FRANKIE L. MCCULLOCH, Branson, Mo.
Filed October 29, 1935. Serial No. 370,958. PUBLISHED DECEMBER 17, 1935. Class 22.

332,771. RECORDS FOR ELECTRICAL TRANSCRIPTION. MCGREGOR, WERRING & HOWELL CO., New York, N. Y.
Filed October 24, 1935. Serial No. 370,771. PUBLISHED DECEMBER 10, 1935. Class 36.

332,772. BRANDY. HENRY A. MARKUS, Chicago, Ill.
Filed June 29, 1935. Serial No. 366,826. PUBLISHED SEPTEMBER 24, 1935. Class 49.

332,773. PREPARATION FOR AN IRON TONIC IN FLUID FORM. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed October 1, 1935. Serial No. 369,893. PUBLISHED DECEMBER 10, 1935. Class 6.

332,774. BUTTER. MID-WEST PRODUCERS' CREAMERIES INC., Indianapolis, Ind.
Filed January 16, 1935. Serial No. 360,221. PUBLISHED DECEMBER 17, 1935. Class 46.

332,775. CONDIMENTS, VIZ., MAYONNAISE, MUSTARD, CHILISAUCE, CATSUP, SALAD DRESSING, HORSE RADISH, PICKLES AND PICKLE RELISH, COFFEE, TEA, CEREAL BREAKFAST FOODS, SPICES, DOG FOOD, CAT FOOD, CANNED FRUITS, AND VEGETABLES. HOWARD W. MILLER, Pittsburgh, Pa.
Filed January 10, 1935. Serial No. 360,122. PUBLISHED DECEMBER 17, 1935. Class 46.

332,776. TONGUE DEPRESSORS AND ASEPTIC WOOD APPLICATORS. MINTO TOOTHPICK COMPANY, doing business as Minto Toothpick & Specialty Co., Mayville, Mich., and Guilford, Maine.
Filed October 2, 1935. Serial No. 369,926. PUBLISHED DECEMBER 17, 1935. Class 44.

332,777. INSECTICIDES AND RODENT EXTERMINATORS. MORTON G. NEUMANN, doing business as Valmor Products Co., Chicago, Ill.
Filed September 11, 1935. Serial No. 369,201. PUBLISHED DECEMBER 10, 1935. Class 6.

332,778. RAZORS. NORMA TECHNICAL PRODUCTS LTD., London, England.
Filed October 12, 1935. Serial No. 370,315. PUBLISHED DECEMBER 10, 1935. Class 28.

332,779. TABLET ADAPTED TO OVERCOME BAD OR UNDESIRABLE BREATH. NU-BREATH CORPORATION, New York, N. Y.
Filed September 12, 1935. Serial No. 369,236. PUBLISHED DECEMBER 10, 1935. Class 6.

332,780. COAL. OLD BEN COAL CORPORATION, Chicago, Ill.
Filed October 16, 1935. Serial No. 370,420. PUBLISHED DECEMBER 17, 1935. Class 1.

332,781. ANTISEPTIC FOR A MOUTH WASH, DENTAL HYGIENE, SMOKER'S THROAT, NASAL SPRAY AND DOUCHE, THROAT GARGLE, AND MINOR CUTS AND BURNS. ERNEST O. OSBORN, doing business as The Clov-O-Leen Co., Knoxville, Iowa.
Filed September 24, 1935. Serial No. 369,659. PUBLISHED DECEMBER 17, 1935. Class 6.

332,782. HOPS. PACIFIC HOP GROWERS, INC., Salem, Oreg.
Filed October 9, 1935. Serial No. 370,197. PUBLISHED DECEMBER 17, 1935. Class 1.

332,783. CHEMICAL WOOD PRESERVATIVES. IRA PARKER & SONS COMPANY, Oshkosh, Wis.
Filed August 30, 1935. Serial No. 368,860. PUBLISHED DECEMBER 17, 1935. Class 6.

332,784. REFLECTOR AUTO REAR SIGNALS. MILTON M. PATTERSON, Los Angeles, Calif.
Filed September 24, 1935. Serial No. 369,660. PUBLISHED DECEMBER 17, 1935. Class 19.

332,785. HAMMERS, AXES, AND HATCHETS. PECK, STOW & WILCOX COMPANY, Southington, Conn.
Filed May 4, 1935. Serial No. 364,554. PUBLISHED DECEMBER 10, 1935. Class 28.

332,786. MERCHANDISE, PARTICULARLY, AWLS; AXES; BITS; BIT BRACES; BUSH HOOKS; BENDING BRAKES; BENCH PLATES AND STAKE HOLDERS; BENCH STAKES; CHISELS; CLAMPS FOR CARPENTERS AND CABINET MAKERS; CRIMPING TOOLS AND MACHINES; ETC. THE PECK, STOW & WILCOX COMPANY, Southington, Conn.
Filed July 5, 1935. Serial No. 366,999. PUBLISHED DECEMBER 10, 1935. Class 28.

332,787. RULES, DIVIDERS, SCALEBEAMS, STEELYARDS, STRAIGHT EDGES, GAUGES, AND SQUARES. THE PECK, STOW & WILCOX COMPANY, Southington, Conn.
Filed October 16, 1935. Serial No. 370,425. PUBLISHED DECEMBER 10, 1935. Class 26.

332,788. BRANDY AND ALCOHOLIC CORDIALS AND LIQUEURS. ED. PHILLIPS & SONS CO., Minneapolis, Minn.
Filed August 24, 1935. Serial No. 368,004. PUBLISHED DECEMBER 17, 1935. Class 49.

332,789. FRESH CITRUS FRUITS. POLK PACKING ASSOCIATION, Winter Haven, Fla.
Filed October 18, 1935. Serial No. 370,535. PUBLISHED DECEMBER 17, 1935. Class 46.

332,790. NON-ALCOHOLIC, MALTLESS SYRUPS USED IN THE PREPARATION OF FROZEN CONFECTIONS, AND FROZEN CONFECTIONS. THE POSICLE CORPORATION OF THE UNITED STATES, New York, N. Y.
Filed June 25, 1935. Serial No. 366,630. PUBLISHED DECEMBER 17, 1935. Class 46.

332,791. FRESH CITRUS FRUITS. GEORGE C. POWER, doing business as Geo. C. Power Lemon Ranch, San Buenaventura, Calif.
Filed November 5, 1935. Serial No. 371,226. PUBLISHED DECEMBER 17, 1935. Class 46.

332,792. FRESH CITRUS FRUITS. GEORGE C. POWER, doing business as Geo. C. Power Lemon Ranch, San Buenaventura, Calif.
Filed November 5, 1935. Serial No. 371,229. PUBLISHED DECEMBER 17, 1935. Class 46.

332,793. PREPARATION TO SWEETEN THE BREATH AND TO CAUSE ONION, GARLIC, AND LIQUOR ODORS ON THE BREATH TO VANISH. PURITAN MFG. CO., Chicago, Ill.
Filed September 18, 1935. Serial No. 369,459. PUBLISHED DECEMBER 17, 1935. Class 6.

332,794. DENTAL SILVER ALLOYS, C. P. MERCURY FOR USE IN THE DENTAL PROFESSION, DENTAL CASTING GOLDS AND PLATES, DENTAL GOLD AND SILVER SOLDERS, DENTAL X-RAY FILMS, DENTAL WAXES, AND DENTAL INSTRUMENTS. PRECIOUS METALS REFINING WORKS, Pontiac, Mich.
Filed June 13, 1935. Serial No. 366,115. PUBLISHED DECEMBER 17, 1935. Class 44.

332,795. GENERAL CLEANSER AND A BOWL CLEANSER. PUREX CORPORATION LTD., Los Angeles, Calif.
Filed May 7, 1935. Serial No. 364,689. PUBLISHED DECEMBER 10, 1935. Class 4.

332,796. CHEMICAL COMPOUND COMPRISING PARTLY MINERAL AND CHEMICAL SUBSTANCES ADAPTED TO PRODUCE AFTERGLOW AND TO EMIT VISIBLE LIGHT RAYS. ELDRIDGE W. QUINLAN, Chicago, Ill.
Filed October 1, 1934. Serial No. 356,637. PUBLISHED DECEMBER 10, 1935. Class 6.

332,797. RADIO RECEIVING SETS, TELEVISION RECEIVING SETS, KITS FOR RADIO RECEIVING SETS, KITS FOR TELEVISION RECEIVING SETS, ELECTRIC PICKUPS FOR PHONOGRAPHS, ETC. RCA MANUFACTURING COMPANY, INC., Camden, N. J.
Filed October 12, 1935. Serial No. 370,316. PUBLISHED DECEMBER 10, 1935. Class 21.

332,798. RADIO RECEIVING SETS, TELEVISION RECEIVING SETS, KITS FOR RADIO RECEIVING SETS, KITS FOR TELEVISION RECEIVING SETS, ELECTRIC PICKUPS FOR PHONOGRAPHS, ETC. RCA MANUFACTURING COMPANY, INC., Camden, N. J.
Filed October 12, 1935. Serial No. 370,317. PUBLISHED DECEMBER 10, 1935. Class 21.

332,799. DRAIN PIPE CLEANERS AND WATER SOFTENER CRYSTALS. RED HEAD PRODUCTS, INCORPORATED, Cedar Rapids, Iowa.
Filed September 21, 1935. Serial No. 369,587. PUBLISHED DECEMBER 10, 1935. Class 6.

332,800. PREPARATION FOR HAY FEVER, ASTHMA, ANEMIA, AND NERVOUSNESS. DAVID RENNET, Gloversville, N. Y.
Filed October 22, 1935. Serial No. 370,674. PUBLISHED DECEMBER 10, 1935. Class 6.

332,801. CASEIN FOR USE IN MANUFACTURES. THE RIVER PLATE DAIRY COMPANY, LIMITED, Buenos Aires, Argentina.
Filed August 6, 1935. Serial No. 368,052. PUBLISHED SEPTEMBER 24, 1935. Class 1.

332,802. CHILDREN'S DRESSES. A. ROSENBLATT SONS & Co. INC., Philadelphia, Pa.
Filed September 12, 1935. Serial No. 369,243. PUBLISHED NOVEMBER 5, 1935. Class 39.

332,803. AUTOMOBILE TIRES. BARNEY RUSSELL, Rochester, N. Y.
Filed October 2, 1935. Serial No. 369,928. PUBLISHED DECEMBER 10, 1935. Class 35.

332,804. LIQUID REFINERS PARTICULARLY ADAPTED FOR USE IN REFINING LUBRICATING OIL. JOHN K. RUSSELL, Los Angeles, Calif.
Filed August 19, 1935. Serial No. 368,456. PUBLISHED DECEMBER 10, 1935. Class 23.

332,805. PREPARATION FOR THE TREATMENT OF PILES. SYLVESTER B. RUSSINI, doing business as Russini Chemical Co., Pittsburgh, Pa.
Filed September 26, 1935. Serial No. 369,752. PUBLISHED DECEMBER 17, 1935. Class 6.

332,806. KEG AND BOTTLE BEER. SABINAS BREWING COMPANY, San Antonio, Tex.
Filed September 16, 1935. Serial No. 369,376. PUBLISHED DECEMBER 17, 1935. Class 46.

332,807. GIN AND WHISKY. GEO. G. SANDEMAN, SONS & Co. LIMITED, London, England.
Filed October 29, 1935. Serial No. 370,967. PUBLISHED DECEMBER 17, 1935. Class 49.

332,808. SCOTCH WHISKY. WM. SANDERSON & SON, Leith, Scotland.
Filed August 19, 1935. Serial No. 368,457. PUBLISHED DECEMBER 24, 1935. Class 49.

332,809. READY-MIXED HOUSE PAINTS, VARNISHES, AND PAINT ENAMELS. LOUIS SAPPANOS CO., Chicago, Ill.
Filed October 18, 1934. Serial No. 357,256. PUBLISHED DECEMBER 17, 1935. Class 16.

332,810. BLOOD TAKING TUBES, BLOOD CHEMISTRY TUBES, BLOOD CULTURE TUBES, BLOOD EXTRACTING DEVICES, EMPTY AMPOULES, AND TEST TUBES. THE SCIENTIFIC GLASS INSTRUMENT CO., Northfield, N. J.
Filed August 6, 1935. Serial No. 368,054. PUBLISHED DECEMBER 17, 1935. Class 44.

332,811. WHISKEY. JOSEPH E. SEAGRAM & SONS, INC., Lawrenceburg, Ind.
Filed August 10, 1934. Serial No. 354,574. PUBLISHED DECEMBER 24, 1935. Class 49.

332,812. CHEMICAL PRODUCT WHICH ACTS AS A DEODORANT. HERMAN SEIDEL, Jersey City, N. J.
Filed October 9, 1935. Serial No. 370,202. PUBLISHED DECEMBER 10, 1935. Class 6.

332,813. SOYBEAN GRITS, A FOOD INGREDIENT USED IN THE MANUFACTURE OF BREAKFAST FOODS, SAUSAGE, CANNED DOG FOOD, ETC., AND INCIDENTALLY USED IN THE MANUFACTURE OF BEER. SHELLABARGER GRAIN PRODUCTS COMPANY, Decatur, Ill.
Filed July 12, 1935. Serial No. 367,213. PUBLISHED DECEMBER 17, 1935. Class 46.

332,814. EXTERNAL PREPARATION FOR THE RESTORATION AND REGULATION OF SEXUAL ORGANS AND DRIBBLING URINE CAUSED FROM DERANGED FUNCTIONS OF THE PROSTATE GLAND. FRED SIFFORD, doing business as New World Foundation, Las Vegas, Nev.
Filed December 4, 1934. Serial No. 358,597. PUBLISHED DECEMBER 10, 1935. Class 6.

332,815. LACTIC ACID JELLY PREPARATION. MAX SILVER, doing business as Gynae Research Laboratories, New York, N. Y.
Filed October 2, 1935. Serial No. 369,933. PUBLISHED DECEMBER 17, 1935. Class 6.

332,816. FOOD CHOPPERS AND CARPET SWEEPERS. SIMMONS HARDWARE COMPANY, St. Louis, Mo.
Filed October 24, 1935. Serial No. 370,778. PUBLISHED DECEMBER 10, 1935. Class 22.

332,817. GALVANIZED STEEL MEASURES AND FAMILY SCALES. SIMMONS HARDWARE COMPANY, St. Louis, Mo.
Filed October 24, 1935. Serial No. 370,781. PUBLISHED DECEMBER 10, 1935. Class 26.

332,818. CANDIES. FRANCES SINAIMAN ET CIE. INC., doing business as Bagatelle, New York, New York, N. Y.
Filed October 12, 1935. Serial No. 370,319. PUBLISHED DECEMBER 17, 1935. Class 46.

332,819. PLATES FOR PHONOGRAMS OR PHONOGRAPHIC DISCS, AND PHONOGRAPHIC RECORDS. SOCIETE DES VERNIS PYROLAC (S. A. R. L.), Creteil, France.
Filed September 3, 1935. Serial No. 368,960. PUBLISHED DECEMBER 10, 1935. Class 36.

332,820. COSMETICS AND TOILET PREPARATIONS—NAMELY, LIQUID POWDER, SKIN TONIC, CUCUMBER LOTION, HORMONE CREAM, AND DEODORANT. SONTAG CHAIN STORES CO., LTD., Los Angeles, Calif.
Filed September 3, 1935. Serial No. 368,961. PUBLISHED DECEMBER 10, 1935. Class 6.

332,821. WRAPPING PAPER AND KRAFT PAPER. SOUTHERN KRAFT CORPORATION, New York, N. Y.
Filed October 28, 1935. Serial No. 370,903. PUBLISHED DECEMBER 17, 1935. Class 37.

332,822. WRAPPING PAPER AND KRAFT PAPER. SOUTHERN KRAFT CORPORATION, New York, N. Y.
Filed October 28, 1935. Serial No. 370,904. PUBLISHED DECEMBER 17, 1935. Class 37.

332,823. CASTOR OIL. SPENCER KELLOGG & SONS, INC., Buffalo, N. Y.
Filed October 15, 1935. Serial No. 370,388. PUBLISHED DECEMBER 10, 1935. Class 6.

332,824. PREPARATION FOR PARENTERAL USE AS A BACTERIAL ANTIGEN IN ENDOTOXIC INFECTIONS OF VETERINARY PRACTICE. SPICER AND COMPANY, Glendale, Calif.
Filed October 21, 1935. Serial No. 370,635. PUBLISHED DECEMBER 10, 1935. Class 6.

332,825. PREPARATION FOR THE TREATMENT OF COUGHS, COLDS, AND MINOR IRRITATIONS OF THE NOSE, THROAT, AND BRONCHIAL TUBES, ETC. SPOHN MEDICAL COMPANY, Goshen, Ind.
Filed August 7, 1935. Serial No. 368,064. PUBLISHED DECEMBER 17, 1935. Class 6.

332,826. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS, AND LIQUEURS. STANDARD DISTILLERS PRODUCTS, INC., Baltimore, Md.
Filed November 7, 1935. Serial No. 371,824. PUBLISHED DECEMBER 17, 1935. Class 49.

332,827. WHISKEY. STANDARD FOOD PRODUCTS CORP., Brooklyn, N. Y.
Filed November 11, 1935. Serial No. 371,452. PUBLISHED DECEMBER 17, 1935. Class 49.

332,828. COMPOUNDING AGENT FOR USE IN RUBBER, PLASTICS, COATING COMPOSITIONS, PAINTS, WAXES, ASPHALT, RESINS, CHEWING GUM, EMULSIONS, AND AN IMPREGNATING AGENT FOR WATERPROOFING OR OTHERWISE PROTECTING CLOTH. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J.
Filed September 7, 1935. Serial No. 369,112. PUBLISHED DECEMBER 10, 1935. Class 6.

332,829. BOX STRAPPING. THE STANLEY WORKS, New Britain, Conn.
Filed October 26, 1935. Serial No. 370,843. PUBLISHED DECEMBER 17, 1935. Class 13.

332,830. PLATING CARDS. MORRIS STARKSTEIN, doing business as General Tobacco and Grocery Co., Detroit, Mich.
Filed November 11, 1935. Serial No. 371,454. PUBLISHED DECEMBER 17, 1935. Class 22.

332,831. STARCH PRODUCTS—NAMELY, SIZING ADHESIVE. STEIN, HALL MFG. CO., Chicago, Ill., and New York, N. Y.
Filed November 4, 1935. Serial No. 371,183. PUBLISHED DECEMBER 17, 1935. Class 5.

332,832. CHEWING GUM. STERLING MINT CO., INC., New York, N. Y.
Filed September 21, 1935. Serial No. 369,891. PUBLISHED DECEMBER 17, 1935. Class 46.

332,833. PREPARATION RECOMMENDED AS A SOUR FOR WET CLEANING. STERLING PRODUCTS COMPANY, Easton, Pa.
Filed October 7, 1935. Serial No. 370,127. PUBLISHED DECEMBER 10, 1935. Class 6.

332,834. SOLUTION AND AN OINTMENT FOR THE PREVENTION AND TREATMENT OF INFECTED WOUNDS. TABLE ROCK LABORATORIES, INC., Greenville, S. C.
Filed January 28, 1935. Serial No. 360,811. PUBLISHED DECEMBER 10, 1935. Class 6.

332,835. METAL STRAPPING FOR BOXES, BALES, AND PACKAGES, NOT INCLUDING SHIPPING CANS OR CONTAINERS PER SE. C. TENNANT, SONS & CO. OF NEW YORK, New York, N. Y.
Filed January 12, 1935. Serial No. 360,186. PUBLISHED SEPTEMBER 3, 1935. Class 13.

332,836. PREPARATION FOR REDUCING WEIGHT. MORRIS THOMAS, New York, N. Y.
Filed July 2, 1935. Serial No. 366,928. PUBLISHED DECEMBER 10, 1935. Class 6.

332,837. MESH NET CONTAINERS FOR USE IN LAUNDRIES. TINGUE, BROWN & CO., New York, N. Y.
Filed July 30, 1935. Serial No. 367,840. PUBLISHED DECEMBER 17, 1935. Class 24.

332,838. PARASITICIDES FOR POULTRY, VETERINARY, AND INSECTICIDE PURPOSES. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Louisville, Ky.
Filed May 28, 1935. Serial No. 365,534. PUBLISHED DECEMBER 10, 1935. Class 6.

332,839. BREAD. TRADERS OIL MILL COMPANY, Fort Worth, Tex.
Filed October 29, 1935. Serial No. 370,971. PUBLISHED DECEMBER 17, 1935. Class 46.

332,840. CITRUS FRUITS, INCLUDING ORANGES, GRAPEFRUIT, AND TANGERINES. TREE-GOLD CO-OPERATIVE GROWERS OF FLORIDA, Orlando, Fla.
Filed November 2, 1935. Serial No. 371,110. PUBLISHED DECEMBER 17, 1935. Class 46.

332,841. WAVE SET AND HAIR TONIC. LAURA WALTERS, doing business as Valee Co., New York, N. Y.
Filed October 19, 1935. Serial No. 370,589. PUBLISHED DECEMBER 10, 1935. Class 6.

332,842. TOE PLATES FOR SHOES. LEON WEINSTEIN, doing business as Security Shoe Supply Co., St. Louis, Mo.
Filed October 25, 1935. Serial No. 370,816. PUBLISHED DECEMBER 17, 1935. Class 18.

332,843. ADHESIVES FOR DENTURES. WERNER LABORATORIES, INC., New York, N. Y.
Filed September 6, 1935. Serial No. 369,072. PUBLISHED DECEMBER 10, 1935. Class 6.

332,844. NATURAL GAS FOR HOUSEHOLD USAGE SOLD IN TRANSPORTABLE DRUMS AND EQUIVALENT CONTAINERS AND DIRECT FROM TANK TRUCKS AND WAGONS. WESTERN LIGHT & SUPPLY CORPORATION, Amarillo, Tex.
Filed September 16, 1935. Serial No. 369,388. PUBLISHED DECEMBER 10, 1935. Class 6.

332,845. BRANDY. WEILER WINE & LIQUOR COMPANY, Chicago, Ill.
Filed November 16, 1935. Serial No. 371,655. PUBLISHED DECEMBER 24, 1935. Class 49.

332,846. ANESTHETIC. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed September 30, 1935. Serial No. 369,869. PUBLISHED DECEMBER 10, 1935. Class 6.

332,847. BUTT-WELDED PIPE, LAP-WELDED PIPE, SEAMLESS PIPE, ELECTRICALLY WELDED PIPE, DIPPED PIPE, WELL CASING, TUBING, DRIVE PIPE, ETC. THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio.
Filed September 12, 1935. Serial No. 369,258. PUBLISHED DECEMBER 17, 1935. Class 12.

332,848. PREPARATION FOR COUGHS, COLDS IN THE HEAD, THROAT AND CHEST; TO RELIEVE CONGESTION OF THE THROAT AND THROAT IRRITATION. JOSEPH V. ZITO, Rochester, N. Y.
Filed May 16, 1935. Serial No. 365,013. PUBLISHED JULY 23, 1935. Class 6.

332,849. ROOT BEER EXTRACT. BAKER EXTRACT COMPANY, Springfield, Mass.
Filed August 5, 1935. Serial No. 367,966. PUBLISHED OCTOBER 8, 1935. Class 45.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

332,850. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERBERT C. HARTING, Watertown, Mass. Filed Dec. 17, 1935. Serial No. 372,753.

No-RoosT

For Canned Bird Deterrent—Namely, a Viscous Material Which is Applied to Buildings to Eliminate Bird Nuisances.
Claims use since Aug. 1, 1934.

332,851. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM H. SMIRA, doing business as Rhode Island Sales Co., Providence, R. I. Filed Dec. 14, 1935. Serial No. 372,641.

STANLEY'S

For Pickles, Jams, Molasses, and Vinegar.
Claims use since Jan. 19, 1925.

332,852. (CLASS 12. CONSTRUCTION MATERIALS.) A. P. GREEN FIRE BRICK COMPANY, Mexico, Mo. Filed Nov. 27, 1935. Serial No. 372,054.

GREENCOTE

For High Temperature Mortar for Patching and Surfacing.
Claims use since Sept. 4, 1934.

332,853. (CLASS 37. PAPER AND STATIONERY.) UNITED AUTOGRAPHIC REGISTER CO., Chicago, Ill. Filed Nov. 25, 1935. Serial No. 371,985.

E-Z-OUT Carbon Set Forms

For Writing Pads Interleaved With Transfer Slips.
Claims use since Aug. 16, 1934.

332,854. (CLASS 37. PAPER AND STATIONERY.) UNITED AUTOGRAPHIC REGISTER CO., Chicago, Ill. Filed Nov. 25, 1935. Serial No. 371,984.

CARBONSET

For Continuous Stationery Strips Interleaved With Continuous Transfer Strips.
Claims use since July, 1934.

332,855. (CLASS 39. CLOTHING.) MARLBORO SHIRT COMPANY, Baltimore, Md. Filed Oct. 31, 1935. Serial No. 371,034.

Westbury SHIRTMAKERS

For Men's and Boys' Dress, Negligee and Work Shirts.
Claims use since January, 1932.

332,856. (CLASS 39. CLOTHING.) I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Oct. 1, 1935. Serial No. 369,897.

Bilt Ups

For Ladies' Chemises, Princess Slips, Bloomers, Step-Ins, and Nightgowns of a Textile Fabric.
Claims use since Jan. 3, 1935.

332,857. (CLASS 42. THREAD AND YARN.) AMERICAN SILK SPINNING CO., Providence, R. I. Filed July 16, 1935. Serial No. 367,332.

BUNNY FUR NUB
AMERICAN SILK SPINNING CO.

For Yarns Made of Silk, and Yarns Made of the Combinations of Silk and Wool, Silk and Rayon, Silk and Rabbit's Hair, and Silk and Cotton, and Yarns Made of the Combination of Silk, Cotton, Wool, Rayon, and Rabbit's Hair.
Claims use since October, 1934.

332,858. (CLASS 15. OILS AND GREASES.) THE UNIVERSAL MOTOR OILS COMPANY, Wichita, Kans. Filed May 21, 1935. Serial No. 365,221.

"EXTRA FILM TENSION" means "SAFE LUBRICATION"

For Motor Lubricating Oil.
Claims use since Dec. 1, 1934.

332,859. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CROOKES LABORATORIES, INCORPORATED, New York, N. Y. Filed Mar. 25, 1935. Serial No. 362,953.

Crookes

For Medicinal Preparations and Pharmaceuticals—Namely, the following: Halibut Liver Oil, Colloid Suspension of Metallic Silver for Medicinal Use, Colloid Suspension of Aluminum Hydroxide for Medicinal Use, Solution of Sodium Salt of Morrhuic Acid for Obliteration of Varicose Veins by Injection, and Sterile Solution of Sulphur 1% in Pure Olive Oil.

Claims use since Dec. 27, 1934.

332,860. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y., and Naugatuck, Conn. Filed Feb. 28, 1935. Serial No. 362,001.

CROS-O-VER

For Electrical Insulating Paint.

Claims use since Oct. 12, 1933.

332,861. (CLASS 39. CLOTHING.) SHEILA-LYNN, INC., New York, N. Y. Filed Feb. 16, 1935. Serial No. 361,482.

Manhattan Modes

For Women's and Misses' Dresses.

Claims use since Jan. 2, 1935.

332,862. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WILLIAM L. SEXTON, doing business as Troy Radio Mfg. Co., Los Angeles, Calif. Filed Jan. 28, 1935. Serial No. 360,796.

TROY

For Radio Receiving Sets and Radio Parts.

Claims use since February, 1930.

332,863. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE WHITNEY BLAKE COMPANY, Hamden, Conn. Filed Jan. 16, 1935. Serial No. 360,330.

Tru-rip

For Rubber Insulated Electrical Conductors.

Claims use since Dec. 31, 1934.

332,864. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES.) THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Jan. 3, 1935. Serial No. 359,827.

KLOZURE

For Packings, and Particularly Oil Sealing Devices Used to Seal Joints Between Relatively Movable Machine Elements.

Claims use since Dec. 14, 1934.

332,865. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HOWARD R. LOTZ, doing business as "Goldcraft", Lambertville, N. J. Filed Apr. 27, 1934. Serial No. 350,586.

GOLDCRAFT

For Tea Spoons, Coffee Spoons, Orange Spoons, Dessert Spoons, Dessert Forks, Soup Spoons, Soda Spoons, Sundae Spoons, Sugar Shells, Salad Forks, Butter Knives, Dinner Knives, Butter Spreaders, Iced Tea Spoons, Oyster Forks, Bouillon Spoons, Table Spoons, Medium Forks, Knives (Stainless Steel Blade and Alloy Handle), All Alloy Knives, Berry Spoons, Cold Meat Forks, All of Base Metal.

Claims use since March, 1933.

332,866. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Dec. 28, 1935. Serial No. 373,147.

KITTERY

For Cotton Sheeting in the Piece, Sheets and Pillowcases.

Claims use since 1926.

TRADE-MARK REGISTRATIONS RENEWED

104,888. CERTAIN PHARMACEUTICAL PREPARATIONS FOR TOILET USE. Registered May 25, 1915. HEYWOOD TOILET SPECIALTIES CO. Renewed May 25, 1935, to Helen Isen, New York, N. Y., successor.

107,625. KNITTED COTTON WASHCLOTHS. Registered December 28, 1915. ELECTRIC KNITTING CO., INC., Cohoes, N. Y., a corporation of New York. Renewed December 28, 1935.

108,023. FLOOR-CLOTHS. Registered January 11, 1916. THOMAS POTTER, SONS & COMPANY, INC., Philadelphia, Pa. Renewed January 11, 1936, to Sloane-Blabon Corporation, Trenton, N. J., a corporation of Delaware, assignee by mesne assignments.

108,049. MEN'S AND BOYS' COATS, VESTS, AND TROUSERS. Registered January 11, 1916. L. GREIF & BRO. Renewed January 11, 1936, to L. Greif & Bro., Incorporated, Baltimore, Md., a corporation of Maryland, assignee.

108,136. A SPECIALLY-PREPARED STOCK AND POULTRY FOOD. Registered January 18, 1916. E. RAUH & SONS FERTILIZER COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed January 18, 1936.

108,180. SHEETS AND PILLOW-CASES. Registered January 18, 1916. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed January 18, 1936.

108,212. COTTON GOODS IN THE PIECE AND COTTON SHEETS. Registered January 18, 1916. KELSEY TEXTILE CORPORATION. Renewed January 18, 1936, to American Bleached Goods Company, Inc., New York, N. Y., a corporation of Delaware, successor.

108,263. A REMEDY, PUT UP IN GELATIN CAPSULES, FOR TREATING CERTAIN NAMED DISEASES. Registered January 25, 1916. HERMANUS BOLTJE PLANTEN, New York, N. Y. Renewed January 25, 1936, to H. Planten & Son Inc., Brooklyn, N. Y., a corporation of New York, assignee.

108,267. CERTAIN NAMED CHEMICALS AND PHARMACEUTICAL PREPARATIONS. Registered January 25, 1916. J. D. RIEDEL, ACTIENGESELLSCHAFT, Berlin-Britz, Germany. Renewed January 25, 1936, to Riedel & Co., Inc., Brooklyn, N. Y., a corporation of New York, assignee by mesne assignments.

108,458. A MEDICINE FOR THE TREATMENT OF TUBERCULOSIS. Registered February 8, 1916. THE ADDILINE MEDICINE COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed February 8, 1936.

108,486. COFFEE. Registered February 8, 1916. MCCORD-STEWART COMPANY, INC., Atlanta, Ga., a corporation of Georgia. Renewed February 8, 1936.

108,603. GRINDING AND CRUSHING MACHINERY ADAPTED FOR GRINDING OR REDUCING ROCK OR THE LIKE. Registered February 15, 1916. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed February 15, 1936.

108,842. LUBRICATING-OIL. Registered February 29, 1916. STANDARD OIL COMPANY OF NEW YORK. Renewed February 29, 1936, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, by changes of name.

108,852. MOTOR-VEHICLES. Registered February 29, 1916. BUICK MOTOR COMPANY, Flint, Mich. Renewed February 29, 1936, to General Motors Corporation, Detroit, Mich., a corporation of Delaware, assignee.

109,097. RENEWABLE BLOW-OFF STEAM-VALVES AND REGRINDING BLOW-OFF STEAM-VALVES. Registered March 21, 1916. HOMESTEAD VALVE MANUFACTURING COMPANY, Homestead, Pa. Renewed March 21, 1936, to Homestead Valve Manufacturing Company, Coraopolis, Pa., a corporation of Pennsylvania.

109,183. COMPRESSED GASES—TO WIT, OXYGEN, HYDROGEN, NITROGEN, ARGON, COAL-GAS, AND AIR. Registered March 28, 1916. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y., a corporation of Ohio. Renewed March 28, 1936.

109,247. PRETZELS. Registered March 28, 1916. YORK PRETZEL BAKERY, York, Pa. Renewed March 28, 1936, to National Biscuit Company, New York, N. Y., a corporation of New Jersey, assignee.

109,260. DRY AND READY-MIXED PAINTS, WALL-PAINTS, LACS, STAINS, ENAMELS, VARNISHES, AND FILLERS. Registered March 28, 1916. THE PATTERSON-SARGENT COMPANY, as assignee of Davies & Meacham. Renewed March 28, 1936, to The Patterson-Sargent Company, Cleveland, Ohio, a corporation of Ohio, assignee.

109,306. STEEL. Registered March 28, 1916. AMERICAN MANGANESE STEEL COMPANY, Chicago, Ill. Renewed March 28, 1936, to American Manganese Steel Company, Chicago Heights, Ill., a corporation of Maine.

109,376. PAPER FOR NEGOTIABLE INSTRUMENTS. Registered April 4, 1916. G. W. TODD & COMPANY. Renewed April 4, 1936, to The Todd Company, Inc., Rochester, N. Y., a corporation of New York, assignee.

109,647. DRY AND READY-MIXED PAINTS, WALL-PAINTS, LACS, STAINS, ENAMELS, VARNISHES, AND FILLERS. Registered April 11, 1916. THE PATTERSON-SARGENT COMPANY, as assignee of Davies & Meacham. Renewed April 11, 1936, to The Patterson-Sargent Company, Cleveland, Ohio, a corporation of Ohio, assignee.

110,245. DRIED FISH, AND PARTICULARLY COD-FISH. Registered May 9, 1916. UNION FISH COMPANY, San Francisco, Calif., a corporation of California. Renewed May 9, 1936.

110,297. OYSTERS, CLAMS, AND SCALLOPS. Registered May 16, 1916. THE ANDREW RADEL OYSTER COMPANY, South Norwalk and Bridgeport, Conn. Renewed May 16, 1936, to The Andrew Radel Oyster Company, South Norwalk, Conn., a corporation of Connecticut.

110,326. TOILET-PAPER. Registered May 16, 1916. THE PEERLESS MFG. CO., Norristown, Pa. Renewed May 16, 1936, to The Peerless Paper Mills, Inc., Oaks, Pa., a corporation of Pennsylvania, successor.

110,518. WHEAT-FLOUR. Registered May 30, 1916. TACOMA GRAIN COMPANY, Tacoma, Wash., a corporation of Washington. Renewed May 30, 1936.

110,545. BISCUIT AND BREAD. Registered May 30, 1916. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed May 30, 1936, to National Biscuit Company, New York, N. Y., a corporation of New Jersey.

110,681. AN EXTERNAL REMEDY FOR CERTAIN NAMED AILMENTS AND DISEASES. Registered June 6, 1916. PRIMA-CURA COMPANY. Renewed June 6, 1936, to Prima Cura Company, Parkersburg, W. Va., a firm, successor.

110,689. RAWHIDE, LEATHER, LACE-LEATHER, PACKING-LEATHER, HYDRAULIC CUP-LEATHER, AND CURRIED MILL-BUTTS. Registered June 6, 1916. CHAS. A. SCHIEREN COMPANY, New York, N. Y., a corporation of New York. Renewed June 6, 1936.

110,911. WHEAT-FLOUR. Registered June 20, 1916. BAY STATE MILLING CO., Winona, Minn., a corporation of Minnesota. Renewed June 20, 1936.

111,082. PENNANTS AND BANNERS. Registered June 20, 1916. WRIGHT & DITSON, Jersey City, N. J., and Boston, Mass. Renewed June 20, 1936, to Spalding Sales Corporation, Jersey City, N. J., and New York, N. Y., a corporation of New Jersey, assignee.

111,169. VULCANIZED FIBER. Registered July 4, 1916. AMERICAN VULCANIZED FIBRE CO. Renewed July 4, 1936, to National Vulcanized Fibre Co., Wilmington, Del., a corporation of Delaware, assignee.

111,160. WASTE-BASKETS. Registered July 4, 1916. AMERICAN VULCANIZED FIBRE CO. Renewed July 4, 1936, to National Vulcanized Fibre Co., Wilmington, Del., a corporation of Delaware, assignee.

111,178. CERTAIN NAMED WATERPROOFED TEXTILES. Registered July 4, 1916. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed July 4, 1936.

111,254. LIQUID MALT PREPARATIONS HAVING DIASTASIC PROPERTIES. Registered July 4, 1916. MALT-DIASTASE CO., New York, N. Y. Renewed July 4, 1936, to Malt-Diastase Co., Brooklyn, N. Y., a corporation of New York.

111,257. A PASTE PAINT GROUND IN JAPAN, ESPECIALLY ADAPTED FOR COACH AND AUTOMOBILE PAINTING. Registered July 4, 1916. JOHN W. MASURY & SON, New York, N. Y. Renewed July 4, 1936, to John W. Masury & Son, Brooklyn, N. Y., a corporation of New York.

111,258. A PASTE PAINT GROUND IN JAPAN, ESPECIALLY ADAPTED FOR COACH AND AUTOMOBILE PAINTING. Registered July 4, 1916. JOHN W. MASURY & SON, New York, N. Y. Renewed July 4, 1936, to John W. Masury & Son, Brooklyn, N. Y., a corporation of New York.

111,291. WHEAT-FLOUR. Registered July 4, 1916. THE ST. ANTHONY MILLING & ELEVATOR COMPANY, St. Anthony, Idaho, and Denver, Colo. Renewed July 4, 1936, to The Colorado Milling & Elevator Company, Denver, Colo., a corporation of Colorado, assignee.

LABELS RENEWED

14,125. OVERLAND FOR CIGARS. Registered April 7, 1908. C. B. HENSCHEL MFG. CO., Milwaukee, Wis. Renewed April 7, 1936, to S. S. Pierce Co., Boston, Mass., a corporation of Massachusetts, assignee.

LABELS

REGISTERED FEBRUARY 25, 1936

47,069.—*Title:* WOOLEE MULEES. For House Slippers for Men, Women, and Children. B AND B SHOE COMPANY, Chicago, Ill. Published August 15, 1933.

47,070.—*Title:* MODERN MELBAS. For Crisp Toasted Bread. BROOKS LTD., San Francisco, Calif. Published June 24, 1935.

47,071.—*Title:* DELICIOUS. For Brownies. CHIMES BROWNIES, INC., New York, N. Y. Published December 2, 1935.

47,072.—*Title:* OLD HARBOR. For Blended Whisky. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Published December 23, 1935.

47,073.—*Title:* DONALDSON'S SCHOOL LUNCH BREAD. For Bread. THE DONALDSON BAKING COMPANY, Columbus, Ohio. Published May 1, 1935.

47,074.—*Title:* BALDINE. For a Hair Grower. BEN FAIN, Tyler, Tex. Published November 1, 1935.

47,075.—*Title:* HADEES FIRE KINDLER. For Fire Kindling. FISHERS GRAIN COMPANY, INC., Fishers, Ind. Published October 22, 1935.

47,076.—*Title:* ROYAL CHARTER. For Scotch Whisky. THE GOVERNOR AND COMPANY OF ADVENTURERS OF ENGLAND TRADING INTO HUDSON'S BAY, commonly called "Hudson's Bay Company", Winnipeg, Manitoba, Canada. Published November 13, 1935.

47,077.—*Title:* JOHNSON'S FLAT VARNISH. For Flat Varnish. S. C. JOHNSON & SON, INC., Racine, Wis. Published December 26, 1935.

47,078.—*Title:* JOHNSON'S KLEEN FLOOR. For a Cleaner for Waxed Floors. S. C. JOHNSON & SON, INC., Racine, Wis. Published December 28, 1935.

47,079.—*Title:* JOHNSON'S QUICK-DRYING VARNISH. For Quick-Drying Varnish. S. C. JOHNSON & SON, INC., Racine, Wis. Published December 28, 1935.

47,080.—*Title:* JOHNSON'S TOUCH-UP ENAMEL. For Enamel for Automobiles. S. C. JOHNSON & SON, INC., Racine, Wis. Published December 16, 1935.

47,081.—*Title:* JOHNSON'S AUTOMOBILE WAX. For Automobile Wax. S. C. JOHNSON & SON, INC., Racine, Wis. Published December 16, 1935.

47,082.—*Title:* KEMP'S CHOCOLATE ALMONDS. For Chocolate Almonds. E. F. KEMP, INC., Somerville, Mass. Published December 23, 1935.

47,083.—*Title:* MACY'S PERSONAL PALETTE. For Cosmetics. R. H. MACY & CO., INC., New York, N. Y. Published October 7, 1935.

47,084.—*Title:* AMO-LITE. For a Cleanser and Water Softener. VINCENT MAGGIO, doing business as The Amo-Lite Company, Canton, Ohio. Published November 14, 1935.

47,085.—*Title:* DOENTS. For a Sedative and Hypnotic. MELVIN CO., South Pasadena, Calif. Published December 7, 1935.

47,086.—*Title:* POSE'S HAIR CULTURE. For a Hair Tonic. EDWARD R. POSE, Roscoe, Calif. Published November 14, 1935.

47,087.—*Title:* FLARE-FIT. For Shoes. THE SELBY SHOE CO., Portsmouth, Ohio. Published November 1, 1935.

47,088.—*Title:* SNOW KING. For Baking Powder. THE SNOW KING BAKING POWDER CO., Cincinnati, Ohio. Published December 3, 1935.

47,089.—*Title:* MERRY CHRISTMAS. For Paper Bows. CHAS. A. STEVENS & COMPANY, Chicago, Ill. Published November 12, 1935.

47,090.—*Title:* GUNTHER'S LAGER BEER. For Lager Beer. WILLIAM E. THOMSEN, Baltimore, Md. Published January 3, 1936.

47,091.—*Title:* "BLACK LEAF" WORM PELLETS FOR POULTRY. For Worm Pellets for Poultry. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION, (INCORPORATED), Louisville, Ky. Published November 15, 1935.

47,092.—*Title:* "BLACK LEAF 40" NICOTINE SULPHATE. For Nicotine Sulphate. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION, (INCORPORATED), Louisville, Ky. Published September 18, 1935.

47,093.—*Title:* "BLACK LEAF" WORM POWDER. For Worm Powder for Poultry. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION, (INCORPORATED), Louisville, Ky. Published November 15, 1935.

47,094.—*Title:* "BLACK LEAF 40" NICOTINE SULPHATE. For Nicotine Sulphate. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION, (INCORPORATED), Louisville, Ky. Published January 2, 1936.

47,095.—*Title:* "BLACK LEAF 40" NICOTINE SULPHATE. For Nicotine Sulphate. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION, (INCORPORATED), Louisville, Ky. Published January 2, 1936.

47,096.—*Title:* TEA GARDEN. For Grape Juice. TEA GARDEN PRODUCTS CO., San Francisco, Calif. Published December 16, 1935.

47,097.—*Title:* GRAHAM. For Shoes. TOLMAN-DAVIDSON ADVERTISING PRESS, INC., Brockton, Mass. Published June 1, 1935.

47,098.—*Title:* BERCO. For Shoes. TOLMAN-DAVIDSON ADVERTISING PRESS, INC., Brockton, Mass. Published December 26, 1935.

47,099.—*Title:* LA SALLE. For Headwear Boxes. TRADE LITHOGRAPH & PRINTING CO., INC., New York, N. Y. Published January 1, 1935.

47,100.—*Title:* MELO-REX. For Cough Syrup. UNITED DRUG COMPANY, Boston, Mass. Published December 12, 1935.

47,101.—*Title:* REX-RUB. For An Athlete's Rub. UNITED DRUG COMPANY, Boston, Mass. Published December 12, 1935.

47,102.—*Title:* ASAHI EXTRA FANCY ARKANSAS BLUE ROSE RICE. For Rice. WEST COAST IMPORTING COMPANY, Los Angeles, Calif. Published December 3, 1935.

PRINTS

REGISTERED FEBRUARY 25, 1936

15,593.—*Title:* PICKS YOU UP. For Beer. THE BUCKEYE BREWING COMPANY, Toledo, Ohio. Published November 17, 1935.

15,594.—*Title:* BROADWAY. For Chocolates. DAGGETT CHOCOLATE COMPANY, Cambridge, Mass. Published October 4, 1934.

15,595.—*Title:* KIRK'S OLD FASHIONED BOURBON. For Bourbon Whisky. KIRK, ROSS & WALLACE, LTD., Chicago, Ill. Published December 3, 1935.

15,596.—*Title:* REDECUT COPPER SPRINKLER COMPANY. For Lawn Sprinkler Systems. REDECUT COPPER SPRINKLER COMPANY, Los Angeles, Calif. Published June 29, 1935.

15,597.—*Title:* THE ROSE TREE. For Quilting Cotton. THE STEARNS & FOSTER CO., Lockland, Ohio. Published February 21, 1934.

15,598.—*Title:* SNOWBOUND. For Quilting Cotton. THE STEARNS & FOSTER CO., Lockland, Ohio. Published September 18, 1934.

15,599.—*Title:* WATER LILIES. For Quilting Cotton. THE STEARNS & FOSTER CO., Lockland, Ohio. Published October 8, 1934.

15,600.—*Title:* JACK-O'-LANTERN. For Quilting Cotton. THE STEARNS & FOSTER CO., Lockland, Ohio. Published October 22, 1934.

15,601.—*Title:* THE LONE STAR. For Quilting Cotton. THE STEARNS & FOSTER CO., Lockland, Ohio. Published February 8, 1935.

15,602.—*Title:* HOLLYHOCKS. For Quilting Cotton. THE STEARNS & FOSTER CO., Lockland, Ohio. Published November 22, 1934.

15,603.—*Title:* CROSS-STITCH GARDEN. For Quilting Cotton. THE STEARNS & FOSTER CO., Lockland, Ohio. Published November 29, 1933.

15,604.—*Title:* THE SHADOW TRAIL. For Quilting Cotton. THE STEARNS & FOSTER CO., Lockland, Ohio. Published January 7, 1935.

15,605.—*Title:* THE WILD DUCK. For Quilting Cotton. THE STEARNS & FOSTER CO., Lockland, Ohio. Published May 18, 1934.

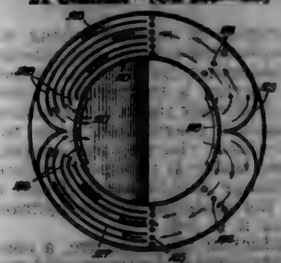
15,606.—*Title:* HOLLYWOOD. For Quilting Cotton. THE STEARNS & FOSTER CO., Lockland, Ohio. Published April 5, 1934.

19,862
TELEVISION DEVICE
Frank W. Adsit, St. Paul, Minn., assignor of one-tenth to James B. Sherwood, Minneapolis, Minn.
Original No. 1,796,420, dated March 17, 1931, Serial No. 262,232, March 19, 1928. Application for reissue March 15, 1932, Serial No. 599,871
7 Claims. (Cl. 178—6)



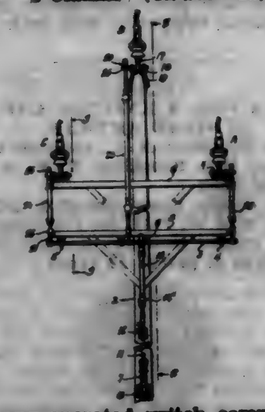
1. In a television device, the combination of a rotatable wheel, a multiplicity of pins of equal length protruding from said wheel, small mirrors for receiving light from successive portions of objects as said wheel is rotated formed on said pins, said mirrors being arranged around the periphery of said wheel in the form of a helix and having an inclined position relatively to a tangent drawn at the circumference of the wheel, whereby light reflected by said mirrors is moved in both a horizontal and vertical position, a photo-electric cell, and means for utilizing the currents therefrom to modulate a radio broadcast wave.

19,863
FLUE GAS CLEANING APPARATUS
Herman Riehtren, Darmstadt, Germany, and John B. Eberlein, Chicago, Ill., assignors to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Original No. 1,933,698, dated November 7, 1933, Serial No. 581,250, December 18, 1931. Application for reissue April 22, 1935, Serial No. 17,592
21 Claims. (Cl. 183—21)



1. In a gas washer, in combination, a substantially circular housing having inner and outer top, bottom and inner and outer connecting side walls, an inlet and outlet provided in the inner of said walls at diametrically opposed points, a dividing wall extending from the top of the inner wall above the inlet to the base below the outlet and separating the inlet from the outlet, said inlet and outlet being connected by passages provided by the housing, partitions located in the passages, and spray nozzles in the passages between the inlet and the partitions.

19,864
GANG OPERATED SWITCH
John J. Desmond, Hubbard Woods, Ill., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Original No. 1,963,695, dated March 28, 1933, Serial No. 441,797, April 5, 1930. Application for reissue November 15, 1934, Serial No. 753,241
5 Claims. (Cl. 200—48)



5. A gang operated switch comprising a plurality of switch units, an insulating supporting structure supporting said switch units in spaced relation, each switch unit having a blade carried by and insulated from a rock shaft distinct and separate from the rock shaft of each of the remaining switch units, each switch unit having a rock arm carried by its rock shaft, a second supporting structure spaced from said first mentioned supporting structure, a metallic rock shaft spaced from each switch unit and carried by said second supporting structure and provided with a plurality of rock arms, insulating links joining said last mentioned rock arms with the rock arms of said switch units, each of said insulating links being adjustable to permit accurate alignment of said switch units, and means spaced from said last mentioned rock shaft for operating said rock shaft.

19,865
HOSE COUPLING
Joseph Peter Eastman, Manitowoc, Wis.
Original No. 1,969,542, dated August 7, 1934, Serial No. 484,046, September 24, 1930. Application for reissue May 23, 1935, Serial No. 21,113
17 Claims. (Cl. 285—94)

8. A hose coupling comprising an end wall and a sleeve projecting therefrom, said sleeve being adapted to receive the end of a hose and to be

contracted to permanently grip the same, said sleeve having an upper portion, nearer said wall, and a lower portion, said sleeve, before contraction, being internally bored with two bores, the larger bore being in said lower portion, and being,



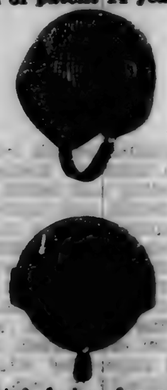
before contraction, of two different diameters externally, the larger diameter being upon said lower portion, and, after contraction, said sleeve being cylindrical externally over both said portions.

19,866

DESIGN FOR A KNITTED CAP OR SIMILAR ARTICLE

Alex Epstein, Brooklyn, N. Y., assignor to Epstein & Hammer, Inc., Brooklyn, N. Y., a corporation of New York

Original No. 86,360, dated March 1, 1932, Serial No. 39,866, May 16, 1931, for 3½ years. Application for reissue October 14, 1933, Serial No. 49,480. Term of patent 14 years



The ornamental design for a knitted cap or similar article, substantially as shown.

19,867

FOLDING OF ENVELOPE BLANKS AND THE LIKE

Max Goder, Neuss, Germany, assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine

Original No. 1,985,859, dated December 25, 1934, Serial No. 686,273, August 22, 1933. Application for reissue May 10, 1935, Serial No. 20,835

8 Claims. (Cl. 93—67)

1. A machine for folding flat paper articles, comprising a pair of spaced sheet-supporting members for supporting a pile of sheets at a pair of opposed corners, and sheet-folding means for operation on certain flaps or extensions of said sheets, in combination with a plate having suction means for suctionally engaging a lowermost sheet of the pile, said plate being arranged for movement from a point below the pile of sheets to a position for delivering the lowermost sheet to said sheet-folding means, sheet-folding members pivoted to a pair of opposed edges of the plate and movable from a position in which they form a continuation of the plate at said edges into a position in which they bear against the plate



and vice versa, said sheet-folding members having suction means for suctionally engaging the said sheet, means operatively connected to the sheet-folding members for turning said members towards the plate during the movement of the plate away from the pile so as to fold the sheet along lines registering with said opposed edges of the plate, means for moving the plate towards and away from the pile of sheets, and controlling means for breaking the suction action on the plate reaching the delivery position.

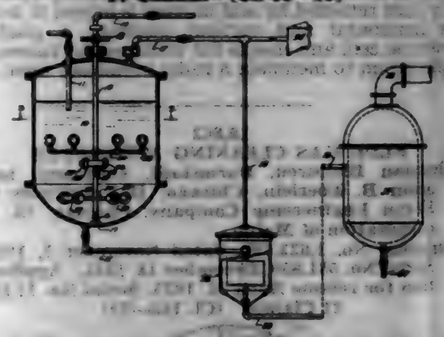
19,868

FOOD PRODUCT AND PROCESS OF MANUFACTURING THE SAME

George Grindrod, Oconomowoc, Wis., assignor to Grindrod Process Corporation, Waukesha, Wis., a corporation of Wisconsin

Original No. 1,790,126, dated March 24, 1931, Serial No. 287,184, June 21, 1928. Application for reissue March 22, 1933, Serial No. 662,367

17 Claims. (Cl. 99—45)



1. The process of manufacturing stable food products, containing protein-like substances, consisting in subjecting the material to the action of steam jets having a temperature, velocity and position to uniformly reach and stabilize the food particles against coagulation prior to material thermal chemical change, immediately cooling the stabilized material to a point where thermo-chemical change will be avoided and then concentrating the material into a hydrated colloid and allowing it to jell.

17. A product of manufacture, a concentrated ice-cream mix containing those solid constituents normally present in ice-cream but concentrated approximately to one-half the volume of a natural liquid ice-cream mix, and in which the protein constituents are stabilized against coagulation whereby coagulation and deterioration of the product are offset.

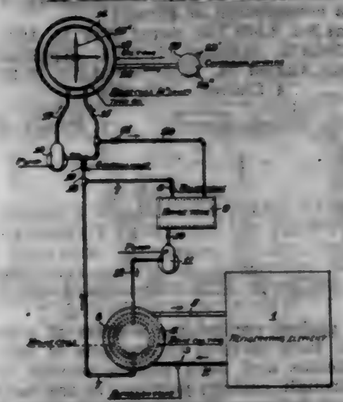
19,869

METHOD AND APPARATUS FOR AVOIDING SHOCK CHILL IN PRECIPITATING SUBSTANCES FROM LIQUIDS

Leo D. Jones, Philadelphia, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a corporation of Delaware

Original No. 1,558,619, dated October 27, 1925, Serial No. 442,691, February 5, 1921. Application for reissue May 5, 1934, Serial No. 724,178

10 Claims. (Cl. 62—172)



1. The method of treating liquid containing a substance precipitable by cooling which comprises forming a discontinuous precipitate of said substance in the liquid by reducing the temperature thereof at a substantially constant rate by heat absorption in refrigerant cooled at a rate bearing a substantially constant relation to changes in the temperature of the liquid.

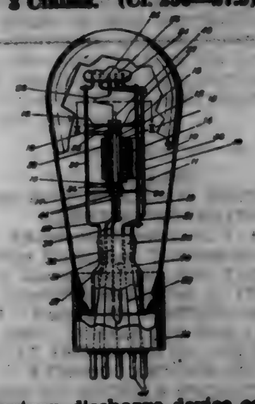
19,870

ELECTRON DISCHARGE DEVICE WITH INDIRECTLY HEATED CATHODE

Ernest A. Lederer, Glen Ridge, and John W. Marden, East Orange, N. J., assignors to Westinghouse Lamp Company, a corporation of Pennsylvania

Original No. 1,948,746, dated February 6, 1934, Serial No. 233,537, November 16, 1927. Application for reissue April 27, 1934, Serial No. 722,788

3 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an evacuated envelope, a hollow thermionically active uni-potential cathode and an anode, an electron emitting filament within said cathode having its opposite ends non-inductively arranged, said electron emitting filament extending beyond one limit of said cathode and means externally of said cathode for shielding said anode from the electrons emanating from said electron emitting filament.

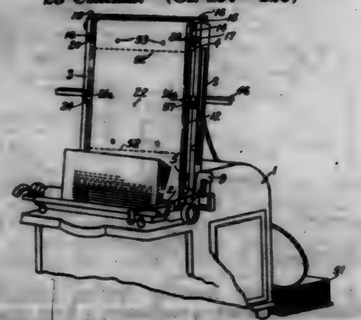
19,871

APPARATUS FOR HANDLING MULTIPLE PAPER STRIPS

William C. Pfeiffer, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio

Original No. 2,011,836, dated August 20, 1935, Serial No. 667,631, August 31, 1933. Application for reissue January 9, 1936, Serial No. 58,419

23 Claims. (Cl. 197—126)



22. An article of manufacture for supporting, on a movable conveyor adapted to convey the article supplementary to any conveying action of the paper, a plurality of copy-producing sheets interleaved between paper webs, said article consisting of a plate having on one side a guide portion for receiving and guiding said conveyor, a latching member cooperating therewith to releasably secure said plate to said conveyor, and a holder on said plate for holding said copy-producing sheets whereby to adjust the position of the copy-producing sheets with respect to the paper webs in order to vary the location at which copying commences on said paper.

19,872

VEHICLE BRAKE

Roy S. Sanford, New York, N. Y., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill., a corporation of Illinois

Original No. 1,663,233, dated May 1, 1928, Serial No. 581,945, August 15, 1922. Reissue No. 17,147, dated November 27, 1928, Serial No. 315,089, October 25, 1928. This application for reissue April 26, 1935, Serial No. 18,480

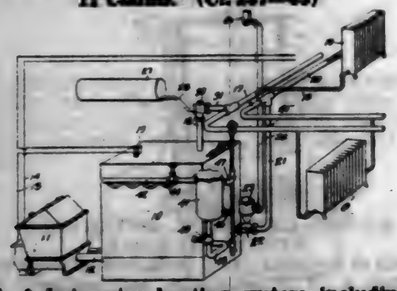
21 Claims. (Cl. 188—78)



1. The combination with two rotary members, of retarding means for each member, and a common means for applying power to said retarding means, said power applying means including

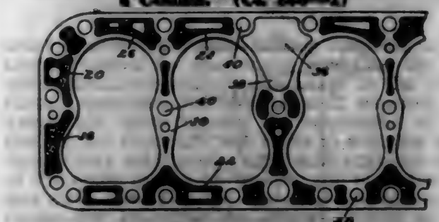
mechanism operating to distribute the applied power between said retarding means proportional to the amounts of frictional resistance between the rotary members and the retarding means to secure substantially equal retardation of said rotary members, together with a device for adjusting the retarding means to compensate for wear without affecting the operation of said mechanism.

19,873
HOT WATER HEATING SYSTEM
Homer A. Thrush, Peru, Ind., assignor to H. A. Thrush & Co., Peru, Ind., a corporation of Indiana
Original No. 1,931,419, dated October 17, 1933, Serial No. 653,723, January 26, 1933. Application for reissue October 12, 1935, Serial No. 45,209
11 Claims. (Cl. 237—63)



11. A hot water heating system including in combination a boiler, a radiator, a first pipe from the upper portion of the boiler extending upwardly to the radiator, a second pipe extending from the radiator downwardly to the boiler, a shut off valve in the first pipe located to prevent thermal circulation of the water but permitting forced circulation thereof, a pump for intermittently producing forced circulation in said system, and means for preventing the gases liberated in the boiler and passing upwardly into the first pipe from entering the first pipe on the remote side of the valve from the boiler and passing to the radiator when said pump is inactive.

19,874
SKELETON METAL-BACKED GASKET
John H. Victor, Wilmette, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Original No. 2,001,225, dated May 14, 1935, Serial No. 706,932, January 17, 1934. Application for reissue August 26, 1935, Serial No. 37,335
4 Claims. (Cl. 277—1)



3. A gasket, comprising a sheet of asbestos, a metallic back secured to one side of said sheet, the asbestos and back having service openings therethrough, certain portions of the back being cut away between the service openings to provide a skeleton back having a metallic reinforcement around the openings, and exposing asbestos throughout the major portion of its area.

PLANT PATENTS

GRANTED FEBRUARY 25, 1936

167
ROSE
William Spandikow, Jr., Maywood, Ill., assignor to William Spandikow & Sons, Maywood, Ill., a copartnership composed of William Spandikow, Sr., William Spandikow, Jr., and Elmer A. Spandikow
Application October 22, 1935, Serial No. 46,366
1 Claim. (Cl. 47—61)

A variety of rose as disclosed, characterized by the new and novel markings of its blooms of "Rose Madder" (Alizarin) and splotched and striped radially from the base of each petal with "Madder Lake" and "Pink Madder", long, stiff and practically thornless stems, superior shipping qualities, its vigor and resistance to disease.



PATENTS

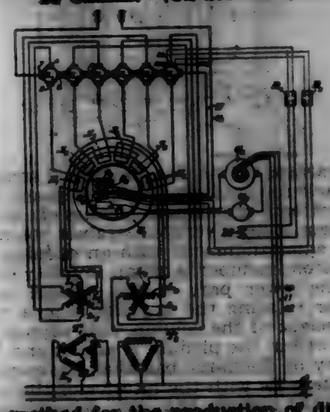
GRANTED FEBRUARY 25, 1936

2,031,581
SEXUAL HORMONE DERIVATIVES
Lorenz Ach, Mannheim-Waldhof, and Wilhelm Dirscherl, Heidelberg, Germany, assignors to Rare Chemicals, Inc., Nepera Park, N. Y., a corporation of New York
No Drawing. Application November 21, 1933, Serial No. 698,422. Renewed December 14, 1934. In Germany November 26, 1932
7 Claims. (Cl. 260—106)

5. As a new product, an ester of the female sexual hormone (follicle hormone) $C_{18}H_{32}O_2$, melting at about 100° C. this ester being believed to be the chloroformic ester having the formula

$$Cl—CO—O—(C_{18}H_{31}O).$$

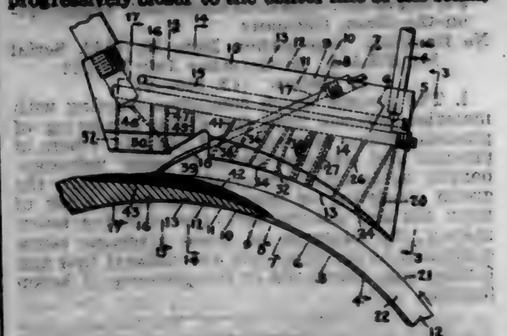
2,031,582
CONVERSION OF ALTERNATING CURRENTS INTO DIRECT CURRENT OR VICE VERSA
Johan Emil Alm, Stockholm, Sweden, assignor to Baltzar Carl von Platen, Stockholm, Sweden
Application February 10, 1934, Serial No. 710,704
In Sweden July 12, 1933
22 Claims. (Cl. 175—364)



1. A method for the production of direct current from polyphase substantially sinusoidal alternating current which comprises superimposing on each phase of said alternating current an auxiliary alternating voltage having a wave form such that the wave form of the resulting phase voltage is substantially zero during a finite interval, and commutating each phase voltage during said zero interval.

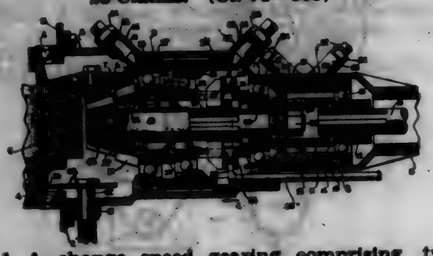
2,031,583
TORCH FOR WELDING SEAMS ALONG CURVING SURFACES
James L. Anderson, Chester, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Original application August 2, 1931, Serial No. 554,458. Patent No. 1,973,980, dated September 4, 1934. Divided and this application November 17, 1933, Serial No. 698,049
5 Claims. (Cl. 158—27.4)

1. A torch for welding a seam by relative movement of the torch and seam, the torch having a face and a plurality of jet orifices in the face for directing flames against the work, successive jet orifices lengthwise of the torch face being disposed to direct the flames to strike the metal at different points, the successive jets being first progressively closer to the center line of the seam,



then further from said center line and from each other, and then progressively closer again whereby the heat is applied to the metal with the same effect as by moving a single jet transversely of the seam as the seam moves longitudinally with respect to the single jet.

2,031,584
AXLE DRIVING CONSTRUCTION
Walter S. Austin, Grand Rapids, Mich.
Application September 11, 1933, Serial No. 688,886
23 Claims. (Cl. 74—366)



1. A change speed gearing comprising, two bevel ring gears of different diameters rotatable upon a common axis, a suitable housing, two bevel pinions meshing respectively with said ring gears, means for mounting both pinions for rotation supported by said housing and means accessible from the exterior of said housing for longitudinally adjusting said bevel pinions independently of each other and relative to their respective ring gears.

2,031,585
METHOD OF PRODUCING LIGHT WEIGHT PLASTERS
John C. Best and Frank Lee Marsh, Medicine Lodge, Kans., assignors to The Best Brothers Keene's Cement Company, Medicine Lodge, Kans., a corporation of Kansas
No Drawing. Application September 18, 1933, Serial No. 689,967
8 Claims. (Cl. 106—94)

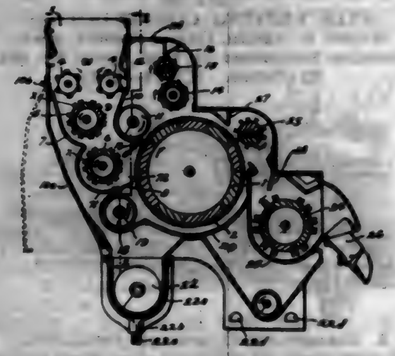
4. The method of producing light weight plaster including calcining crushed or ground gypsum

rock, mixing the calcined material with water, adding an accelerating agent to the mixture, agitating the wet mixture until it has recrystallized in a finer particle size, and recalcining the material.

2,031,536
PROCESS FOR THE MANUFACTURE OF CONDENSATION PRODUCTS
Josef Blumfeld and Johannes Kuchenbuch, Krefeld-Uerdingen, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 20, 1933, Serial No. 676,544. In Germany July 7, 1932
12 Claims. (Cl. 260—6)

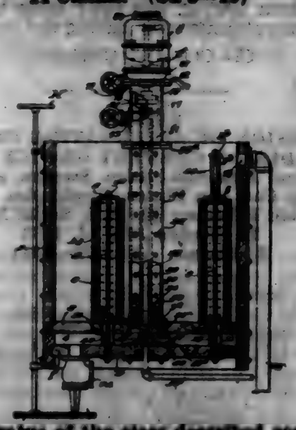
1. The process which comprises reacting with material selected from the group consisting of phenols, chloro phenols, alkyl phenols, ethers of phenols and esters of phenols with monocarboxylic acids upon material selected from the group consisting of unsaturated fatty acids of fatty oils and natural fats, the glycerine esters thereof, the mixtures of these glycerine esters contained in the fatty oils and natural fats and furthermore stand oils in the presence of boron fluoride.

2,031,537
MACHINE FOR CLEANING SEED COTTON AND FOR EXTRACTING THE SEED COTTON FROM BURRS AND HULLS
John Bicwett, Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a corporation of Texas
Application August 10, 1931, Serial No. 556,129
1 Claim. (Cl. 19—37)



A cotton seed cleaning and extracting machine including, a lint engaging drum, a knocker for removing separable material from said drum, a transverse trough extending longitudinally of said drum entirely thereacross and located in position to remove matter knocked off the drum by said knocker, said trough being open to the drum along one side, a conveyor in said trough, said trough being closed at one end and open at its opposite end, said conveyor being arranged to convey matter to the open end of said trough, a second trough below the first trough having a connection with the first trough beyond the end of the drum for receiving material discharged from said first trough, the second trough being open to the drum along one side and having a discharge at its end opposite its receiving end, and a second conveyor in the second trough extending longitudinally of the drum and beyond the ends thereof for moving material longitudinally of said second trough continuing across the face of said drum from the receiving end to the discharge end of the said second trough, the second conveyor having the flights adjacent the receiving end of the second trough smooth for distributing the conveyed matter along the trough without choking and the subsequent flights provided with means for independently casting the conveyed matter into contact with the drum and for breaking up lengths of material.

2,031,562
APPARATUS FOR FLUID TREATING FIBROUS MATERIALS
Edward J. Abbott, Wilton, N. H., assignor to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire
Application June 15, 1929, Serial No. 371,243
11 Claims. (Cl. 8—19)



1. Apparatus of the class described comprising a receptacle for dye liquor, said receptacle having spaced bottoms providing a plenum chamber between them, a fixed vertical strainer column disposed in axial alignment with an opening in the upper bottom member, a pump impeller disposed within the lower part of the strainer column, means for rotating the impeller, and a support for the weight of the column, said support being disposed within the plenum chamber and having a plurality of discharge passages communicating at opposite ends with the interior of the column and with the plenum chamber, respectively, the support also having a chamber for the reception of heating means and channels leading from said chamber to the several delivery passages.

9. Apparatus for the fluid treatment of material wound on spools, including a vat, a vertical column extending centrally of the vat from the bottom to above the top of the vat, a motor mounted on said column, and means operated by the motor for delivering a downwardly divergent air current over the top of the vat to dissipate rising vapor.

2,031,580
FILTER
Robert Nash Burchhalter and James Marshall Osburn, Michigan City, Ind., assignors to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana
Application July 11, 1933, Serial No. 680,995
10 Claims. (Cl. 210—165)

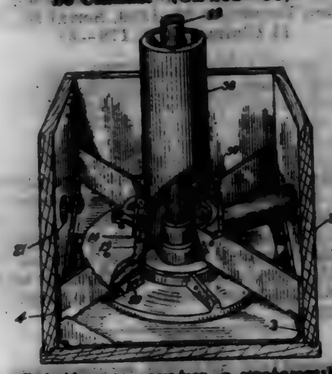
1. In a filter of the type comprising a casing having an inlet and an outlet and a perforated tube within the casing in communication with the outlet, the combination of a barrel grating

surrounding the tube, a barrel screen surrounding the grating and sustained by the grating against inlet pressure, heads sealed to the tube



and the end of the barrel screen and means for yieldingly resisting the shortening of the screen barrel.

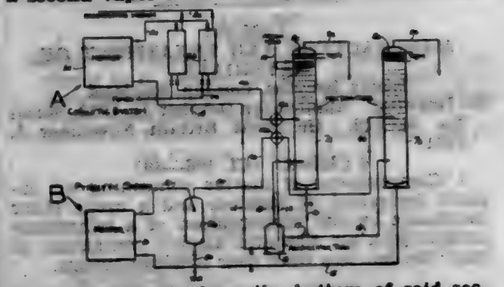
2,031,590
FLOTATION APPARATUS
Arthur C. Daman, Denver, Colo.
Application October 5, 1931, Serial No. 566,987
20 Claims. (Cl. 261—93)



1. In flotation apparatus, a rectangular cell, a plurality of baffles extending into the corners of the cell, to prevent their lateral movement, a sectional hood, the sections of which are respectively fastened to the baffles, one of the baffles being separately removable, a section of the hood being fastened to the latter baffle and removable therewith, a shaft in the cell, and a rotary impeller disposed on the shaft adjacent the hood.

2,031,591
CONVERSION OF HYDROCARBONS
James P. Daugherty, Jr., Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application February 10, 1933, Serial No. 656,664
6 Claims. (Cl. 196—52)

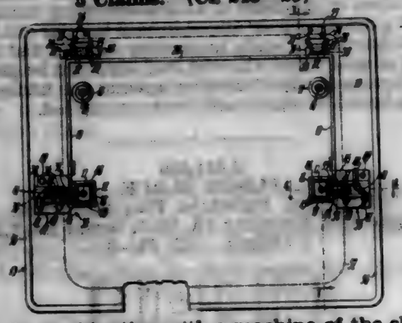
6. Process of converting higher boiling hydrocarbons into lower boiling hydrocarbons which comprises passing the starting material through a vaporizing zone and then at low pressure into a converting zone containing catalytic material having selective adsorptive properties maintained in the temperature range of 750° to 1000° F., discharging the vapors into a vapor fractionating zone where partial condensation occurs, withdrawing the heavy condensate from the bottom of the fractionating zone, mixing a part of the heavy condensate with preheated fresh feed to form the starting material for said vaporizing zone and then passing the mixture to said vaporizing zone, introducing the remainder of the heavy condensate into the lower portion of a second vapor fractionating zone, withdrawing



heavy condensate from the bottom of said second fractionating zone, sending said last named condensate through a cracking zone and then at relatively high pressure into a pyrolytic reaction zone maintained in the temperature range of 850° to 1100° F., discharging the vapors from said last named reaction zone into said second fractionating zone, and withdrawing the overhead vapors from both said fractionating zones to provide the desired lower boiling hydrocarbons.

2,031,592
WITHDRAWN

2,031,593
TYPEWRITING MACHINE
William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application July 29, 1933, Serial No. 682,783
5 Claims. (Cl. 248—25)



1. In combination with a machine of the character described, and a baseboard on which said machine rests, said machine having an inner frame supporting the operating mechanism, and also having an outer decorative mask with sides serving to conceal said frame, a machine hold-down device including a barrel mounted on said baseboard, a bolt movably mounted by said barrel, the latter extending outwardly in the direction of the bolt-axis from one of the sides of the mask, said mask-side being arched at the barrel, so that the inner end of said barrel faces a portion of said inner frame, whereby said bolt, projectable beyond the inner end of the barrel, may engage said inner frame-portion, and a han-

die, extending transversely from said bolt through an opening in the wall of the barrel outside of the mask, so as to be accessible for engaging said bolt with said inner frame-portion or retracting it therefrom, said inner frame-portion having a covering of sound-deadening material, whereby transmission of machine noises to the baseboard by way of said bolt is minimized.

2,031,504
MANUFACTURE AND TREATMENT OF MATERIALS
Henry Dreyfus, London, England
No Drawing. Application October 31, 1932, Serial No. 640,529. In Great Britain November 5, 1931
6 Claims. (Cl. 106—40)

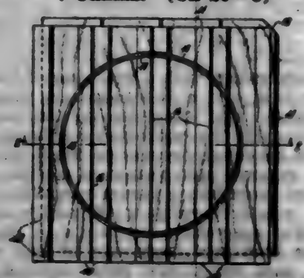
1. Compositions of matter containing an organic derivative of cellulose and a cyclic ether obtainable by the condensation of a trihydroxy alcohol with an aliphatic alcohol containing at least two but less than four hydroxy groups.

2,031,595
IRONING BOARD COVER
Hulda E. Finck, St. Charles, Mo.
Application November 21, 1934, Serial No. 754,855
5 Claims. (Cl. 68—10)



1. An ironing board cover comprising a body portion having its edges at its front end and sides hemmed to form a marginal tubular channel, portions of the sides of said cover being incurved and a draw cord arranged in said tubular channel and having its ends projecting beyond the rear end of said cover whereby said cord can be drawn to force said edges together against the underside of a board to which said cover is applied.

2,031,596
FLOOR BLOCK
Clarence C. Fulbright, Pine Bluff, Ark.
Application February 19, 1935, Serial No. 7,259
7 Claims. (Cl. 20—6)



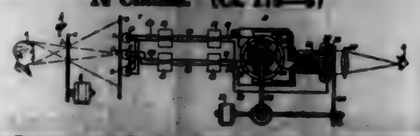
1. A block of the class described comprising, in combination: a plurality greater than two of assembled slats; said assembly having a groove in one of its surfaces extending in the outer slats at an angle other than ninety degrees to the points between said slats; and a resilient spline lying in said groove under tension tending to draw said slats together.

2,031,597
GUMMED STRIP MOISTENER
Thomas J. Gray, Milwaukee, Wis.
Application February 7, 1935, Serial No. 5,430
16 Claims. (Cl. 91—62.5)



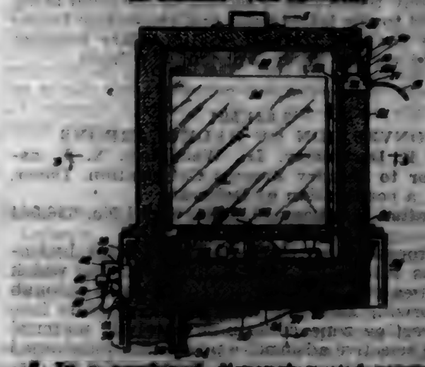
14. A strip moistener comprising a hollow body having a substantially cylindrical chamber therein, and also having a closed space directly communicating with the bottom of said chamber, means controlled by liquid in said space for maintaining a predetermined supply of liquid therein, and a roller in said chamber moistened by liquid from said space, said body also having an opening through which said roller is exposed for contact with a strip to be moistened.

2,031,626
ELECTROOPTICAL SYSTEM
Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 27, 1930, Serial No. 505,049
14 Claims. (Cl. 178—6)



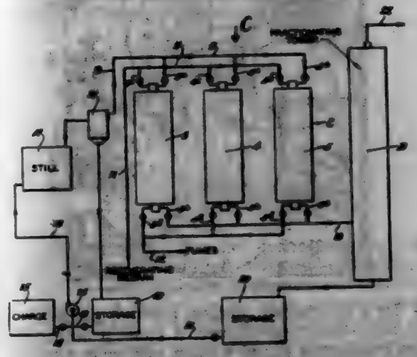
1. Image producing apparatus comprising a plurality of stationary strip light sources, terminal means for a plurality of image current channels, and means for distributing image currents simultaneously from said terminal means to respective groups of said light sources and from each of said terminal means to all of said sources in succession.

2,031,589
DRINKING WATER DISPENSER
Austin Gudmundsen, Wauwatosa, Wis., assignor of one-half to Rudolph L. Hascha, Milwaukee, Wis.
Application September 2, 1932, Serial No. 631,600
12 Claims. (Cl. 62—142)



6. In a combined dispensing and mixing apparatus, a source of a first substance, a source of a second substance, separate valves for controlling the supply of said substances, a single operating member operating said valves, and means whereby movement of said member in one direction controls the relative amount of opening of said valves and movement of said member in another direction dispenses said substances.

2,031,600
CONTROL OF CATALYTIC REACTIONS
James W. Harrison and Thomas R. Prickett, Woodbury, N. J., assignors to Hendry Process Corporation, Dover, Del., a corporation of Delaware
Application May 18, 1932, Serial No. 612,686
15 Claims. (Cl. 196—52)



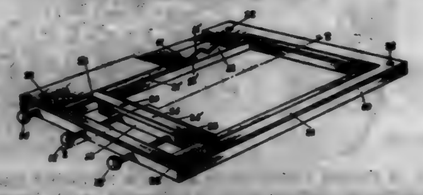
1. In endothermic chemical transformations involving the use of a contact mass having catalytic activity and capable of transforming the starting material such as mineral oil in repeated passes during which the repassed material becomes more and more refractory, the process which comprises bringing the material to be transformed repeatedly into contact with said mass in separate and distinct passes at different temperatures and varying the volume of the mass inversely with the changes in temperature while the rate and volume of feed of material to the mass is held substantially constant.

2,031,601
SEXTANT
Albert F. Hegenberger and Andrew W. Knisley, Dayton, Ohio
Application June 7, 1934, Serial No. 729,467
4 Claims. (Cl. 33—2.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a sextant having a housing and a bi-portioned means for simultaneously producing images of an observed object and the reading of its elevation above the horizon in a common focal plane, the indicating portion of said means comprising, a pendulum having a gear sector and including a protractor of arced ribbon form, manually releasable means for normally securing said pendulum against movement relative to said housing, lighting means disposed within said housing for illuminating a portion of said protractor, an impeller, and a train of gears connecting said gear sector with said impeller such that angular displacement of the former causes rotation of the latter.

2,031,602
CHASE
Gilbert H. Higgins, Mountain Lakes, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York; Irving Trust Company, permanent trustee
Application February 20, 1933, Serial No. 657,177
14 Claims. (Cl. 101—17)



1. In a device of the kind described, the combination of a frame adapted to receive type forms, means adjustably secured to said frame and operatively engageable with type forms arranged therein, and other means simultaneously coacting with the frame and first mentioned means when applied to the upper surfaces thereof for adapting the device to serve for preparing matrices.

2,031,603
PROPIONIC ACID ESTERS AND THEIR PRODUCTION
Harold S. Holt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 3, 1932, Serial No. 608,941
7 Claims. (Cl. 260—106)

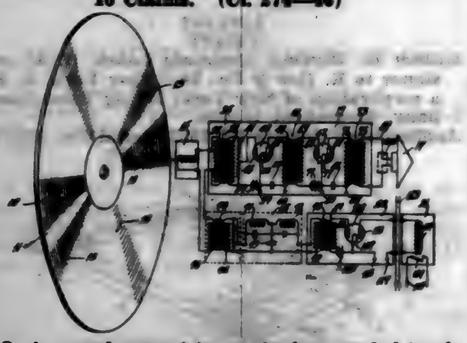
4. As a new compound, a propionic ester of a polyhydric ether alcohol wherein all the hydroxyl groups of the alcohol are esterified by propionic acid and in the alcohol portion of which no carbon atom is directly linked to more than one oxygen atom.

2,031,604
SHEET METAL CUTTER AND EDGER
James J. Ingels, Chicago, Ill., assignor of one-half to Enoch Purnell and one-half to Henry G. Goelitz, both of Chicago, Ill.
Application May 12, 1930, Serial No. 451,565
17 Claims. (Cl. 153—29)



1. In a machine for cutting and edging sheet metal, two overlapping rotary cutters between which the sheet metal passes, and a shoulder adjacent the cutting point of said cutters over which said metal is bent while being cut to form a turned-up integral edge substantially at right angles to the adjacent portion of the sheet.

2,031,605
RECORD AND METHOD OF MAKING AND USING SAME
John Elliott Jenkins and Samuel E. Adair, Chicago, Ill., assignors, by mesne assignments, to Visomatic Systems, Inc., New York, N. Y., a corporation of New York
Application March 27, 1933, Serial No. 662,869
16 Claims. (Cl. 274—46)

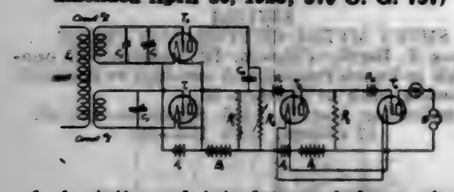


2. A record comprising a single recorded track continuous throughout its length and having therein a simultaneous recording of audible sound frequencies and one or more device-operating frequencies.

2,031,606
LACQUER
Edward F. Johnston, Wilmington, Del.
No Drawing. Application November 11, 1930, Serial No. 494,997
6 Claims. (Cl. 92—46)

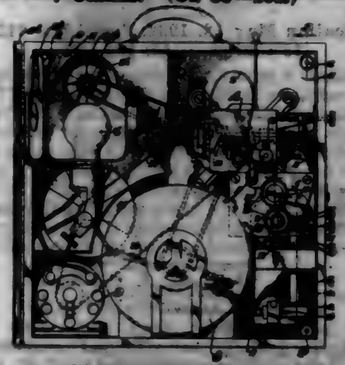
3. The process of preparing a sheeted product comprising preparing a wet mass of cellulose derivative material, forming a paper-like web therefrom, treating the web with a plasticizer, and allowing the web to harden.

2,031,607
STATIC AND INTERFERENCE BALANCE SYSTEM
James M. Kane, United States Navy, Washington, D. C.
Application November 5, 1932, Serial No. 641,581
8 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



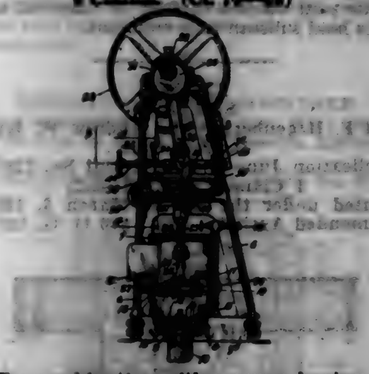
1. A static and interference balance circuit, comprising in combination with a radio frequency system including a transformer having an input primary winding connected to the output of the intermediate frequency amplifier of a superheterodyne radio receiving system and a pair of output secondary windings, an electron tube circuit connected with one of said secondary windings tuned to pass the desired and undesired signal energy, a second electron tube circuit connected with the other of said secondary windings tuned to pass only the undesired signal energy, said electron tube circuits having unity power factor, a signal amplifier, an electron tube detector connected in the output circuit of said amplifier, and means coupling the output circuits of said aforementioned electron tube circuits in opposition to the input circuit of said amplifier.

2,031,608
TALKING MOTION PICTURE APPARATUS
John Ripley Kiel, Chicago, Ill., assignor to Audio-tone Company, Chicago, Ill., a corporation of Illinois
Application May 3, 1930, Serial No. 449,834
Renewed May 28, 1935
7 Claims. (Cl. 88—16.2)



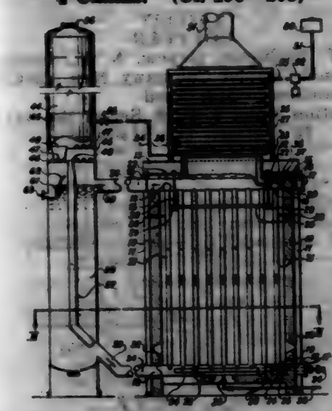
2. In a combined motion picture projector and sound-on-film reproducer, a case, a sound deadening mounting panel within said case and spaced therefrom, sound deadening means between said panel and case, projecting mechanism mounted on said panel, and sound reproducing mechanism mounted on said panel.

2,031,609
PUMP
Leland H. Legue, Denver, Colo., assignor to Denver Faucet Company, Denver, Colo.
Application June 18, 1934, Serial No. 730,921
6 Claims. (Cl. 74—42)



1. The combination with a pump having a reciprocating element, of operating mechanism comprising a pivoted rocker arm, a guide on the rocker arm, a crosshead on the guide, an eccentric operatively connected with the rocker arm through the intermediary of the crosshead, a piston rod pivoted to the rocker arm and connecting with the element for its reciprocation by the oscillating movement of the rocker arm, and means to move the crosshead relative to the pivot of the rocker arm to thereby vary the oscillating movement.

2,031,610
APPARATUS FOR FRACTIONAL DISTILLATION
Frank L. Maher, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application April 25, 1932, Serial No. 607,183
4 Claims. (Cl. 196—103)

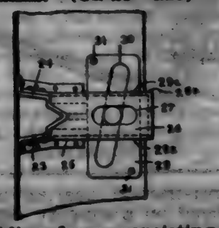


2. A distillation apparatus comprising a fractionating column provided with a plurality of bubble plates, a fluid inlet intermediate adjacent bubble plates, a reservoir in said column below said bubble plates, a substantially horizontal upper header connected to the upper portion of said reservoir, a lower header connected to the lower portion of said reservoir, a plurality of parallel tubes connecting said headers, and a source of heat adjacent said tubes, the lowest of said bubble plates being provided with a duct leading downwardly into said reservoir and terminating adjacent the connection to said lower header.

2,031,611
PROCESS OF MAKING CELLULOSE ESTERS
Carl J. Malm and Charles L. Fletcher, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application April 13, 1931, Serial No. 529,864
4 Claims. (Cl. 260—101)

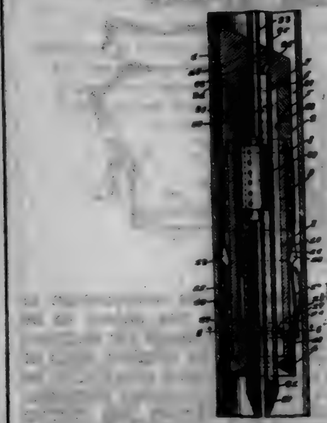
1. The process of acetylating cellulose, which comprises treating one part of cellulose with a mixture of not more than three parts each of acetic anhydride and acetic acid in the presence of approximately .01 part of sulphuric acid until the reaction mass becomes homogeneous.

2,031,612
FORM FOR MAKING CONCRETE ROADS
Barnet Maser, Bronx, N. Y.
Application December 28, 1933, Serial No. 704,275
3 Claims. (Cl. 25—118)



2. A road building form, consisting of a base member having an upstanding vertical flange provided with a rail at its upper end, a brace member fixed against the inner side of the vertical flange and fixed to the base, a yoke fixed to the sides of the brace member and provided with a horizontal connecting flange extending laterally of the brace member, said horizontal connecting flange having a stake receiving slot therein, the yoke having sides extending below the horizontal connecting member, said sides having opposing slots, a plate having parallel sides slidable in the slots and having a diagonal slot movable under the stake receiving slot, whereby a ground stake may be driven through said yoke and plate and the plate shifted through said yoke to clamp the stake on said yoke, to permit of shifting of the base relative to the driven stake.

2,031,613
OIL WELL PACKER
Elmer David McFadden, Harrisville, Pa., assignor of one-eighth to Horrise L. McFadden, Harrisville, Pa., and one-eighth to Perry R. McFadden, Grove City, Pa.
Application January 15, 1934, Serial No. 706,783
1 Claim. (Cl. 166—12)

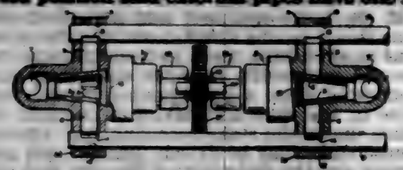


A well packer comprising a housing, an expandible packing element mounted on the housing, means for expanding the packing element against a well casing, a tubular coupling element connected to the housing, a shoulder in the coupling element provided with downwardly opening notches having spaced from the notches grooves extending throughout its entire length, a second coupling element adapted to engage the first coupling element, a sleeve located in the housing and secured to the second coupling element, ribs on the exterior of said sleeve and adapted to engage in the notches in the shoulder for locking the coupling elements in seated engagement with each other and adapted to pass through the grooves for separating the coupling elements.

2,031,614
VALVE MECHANISM AND ACTUATING MEANS THEREFOR
Grosvenor S. McKee, Athens, Ohio, and Henry L. Galson, Philadelphia, Pa., assignors to Baldwin-Southwark Corporation, a corporation of Delaware
Application May 21, 1933, Serial No. 673,743
7 Claims. (Cl. 277—4)

1. A valve mechanism comprising, in combination, a pair of axially aligned rotatable valves, a high pressure pipe connected to one of said valves,

a low pressure pipe connected to the other of said valves, pipes leading to and from an external point and connected with each of said valves, means whereby when said valves are in one adjusted position said external pipes have one relation with respect to said high and low pressure pipes and when the valves are in another adjusted position said relation is reversed, and gear mechanism operatively connected to and arranged coaxially of said valves for actuating the same to effect said reverse operation.

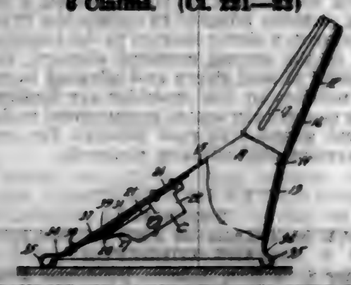


2,031,615
CLIMBING ASSEMBLY
Edward G. McKinney, Enid, Okla.
Application June 10, 1932, Serial No. 616,545
22 Claims. (Cl. 227—8)



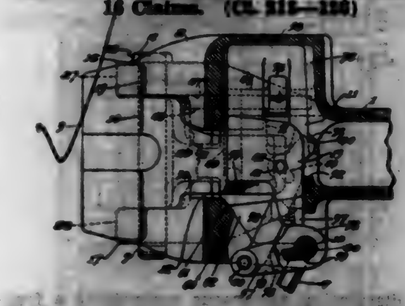
3. In a climbing assembly, the combination of a series of fixed elements on the object to be climbed, stirrup members and means for securing said members to the feet of the climber, each of said members carrying an element adapted to be detachably secured to the first-named elements, and a flexible connection between the stirrup members and the elements carried thereby.

2,031,616
LIQUID DISPENSER
Elmer L. Nail, Wheaton, Ill.
Application December 27, 1933, Serial No. 704,181
6 Claims. (Cl. 221—83)



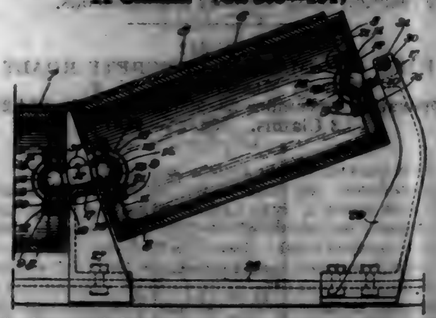
1. A liquid dispensing funnel, comprising in combination, a body member cut away along one side to provide an open mouth and adapted to receive a sealed receptacle containing a liquid to be dispensed, a cutter secured in said funnel body and adapted to enter and cut into said receptacle to open it, said body member having a channel arranged around its open mouth for collecting the residual liquid adhering to said funnel and said cutter after use when the funnel is in inverted or non-pouring position, and a yieldable spring member secured to said funnel body and normally engaging said cutter for directing residual liquid from the cutter into said channel.

2,031,617
COUPLER
Willard F. Richards, Depew, N. Y., assignor to The Gould Coupler Company, New York, N. Y., a corporation of Maryland
Application April 8, 1930, Serial No. 442,633
15 Claims. (Cl. 213—128)



1. In combination, a coupler head, a swinging knuckle, a locking block for said knuckle, and operating means for said block comprising a rocker shaft mounted with its axis extending transversely of the head, a lever mounted on said shaft, and a link connecting said lever and block, said block having depending legs adapted to engage a lock-set ledge on the head, said link having a widened portion with a diagonal slot adjacent its upper end, said slotted portion being received between the legs of the block, and connecting means passing through said block and said slot for allowing a predetermined amount of lost motion therebetween, the end of said link above said slot extending upwardly and rearwardly from said widened portion and normally underlying a portion of the head to prevent undesired raising of the block until the link has been raised to take up the lost motion.

2,031,618
BEARING AND CARRIER
Samuel Davis Robins, Manhasset, N. Y., assignor to Robins Conveying Belt Company, Passaic, N. J., a corporation of New Jersey
Application May 2, 1934, Serial No. 723,451
11 Claims. (Cl. 308—194)

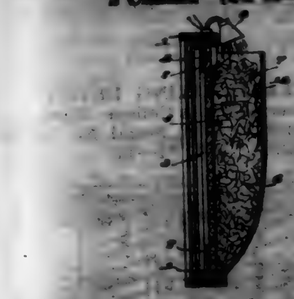


1. An anti-friction bearing mountable on a spherical head on a support, comprising a self-contained assembly embodying inner and outer race members providing an annular race-way therebetween, the inner member comprising a body having a rearwardly extending portion, there being a concaved socket in said extension forming a seat for the spherical end of the support, said socket being adapted for free admission and removal of the spherical end of the support, anti-friction members in said race-way, a cap having its peripheral edge fixedly seated in the outer race member at the rear of the race-way and spacially enclosing the rear of the inner race member, and a seal for the open front of the race-way.

2,031,619
CELLULOSE DERIVATIVE SOLVENTS
George W. Seymour, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Original application November 13, 1931, Serial No. 574,928. Divided and this application November 15, 1932, Serial No. 642,761
3 Claims. (Cl. 260—54)

2. Process for the manufacture of formal diethylene glycol, which comprises reacting formaldehyde with diethylene glycol in the presence of an amount of a concentrated solution of hydrochloric acid equal to 5% calculated on the weight of the glycol.

2,031,620
DISPLAY SIGN
Fred Stonebraker, Sr., San Diego, Calif.
Application August 18, 1934, Serial No. 740,169
2 Claims. (Cl. 40—126)



1. A sign comprising a frame, an opaque plate carried by the frame and having a cut-out portion simulating a container, a transparent plate in the rear of said opaque plate and having lines depicting portions of the container, a reflector secured to the frame in the rear thereof and being spaced from the frame at the top to provide for the entrance of light between the reflector and the frame, and transparent crumpled Cellophane disposed between the reflector and said transparent plate for causing the illusion of depth to the container.

2,031,621
CONCRETE AND HYDRAULIC CEMENT
George R. Tucker, deceased, late of North Andover, Mass., by Charles W. Tucker, administrator, North Andover, Mass., and Henry L. Kennedy, Arlington, and Maynard S. Bonner, Cambridge, Mass., assignors to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application December 5, 1934, Serial No. 756,022
17 Claims. (Cl. 106—87)

16. That process for the preparation of concrete which comprises mixing hydraulic cement, aggregates and water in the presence of a hydroxy-alkyl amine.

2,031,622
KNEE PAD
John S. Walker, Pittsburgh, Pa.
Application April 10, 1933, Serial No. 15,639
1 Claim. (Cl. 2—24)



1. A device of the kind described, comprising a rigid body section having an opening therein, a calk fitted within the body section and extending through the opening, a saddle hung within the body section and holding the calk in the opening and means for detachably securing the body section to a leg to have the same rest within the saddle next to the knee cap of said leg.

2,031,623
POURING SPOUT CONTAINER
William J. Wardell, Mount Vernon, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application April 24, 1935, Serial No. 18,032
4 Claims. (Cl. 221—19)



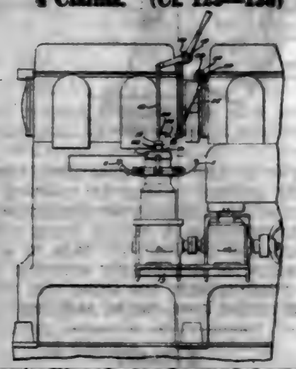
1. A liquid container, comprising an imperforate end member having a sunken panel surrounded by a rim, a depressed seat formed in said sunken panel and surrounded by an annular bead, and a rotatable pouring spout unit located in said seat and confined within said annular bead, the latter being flattened at spaced intervals to provide overhanging ledges for retaining the pouring spout unit in its rotatable position, the pouring spout of said unit being within the rim of said can end when the unit is in non-pouring position and being extended over said rim when in pouring position.

2,031,624
THERMOMETER
Albert E. Whittier, Bristol, Conn.
Application March 12, 1935, Serial No. 10,618
2 Claims. (Cl. 73—118)



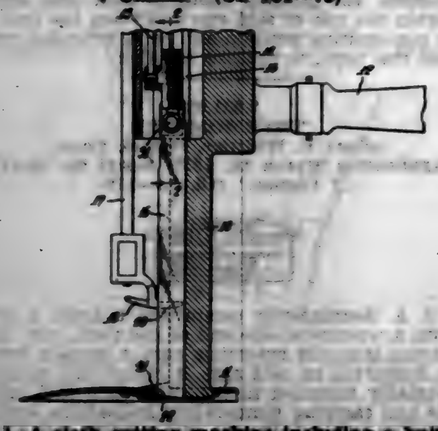
2. A thermometer comprising a shell, a disk with a window at one end of the shell, said disk having inwardly extending ears, a spindle loosely supported by said ears, a cylindrical member rotatably mounted in the shell upon said spindle and carrying temperature indications adapted to be exposed through said window, and a coil of thermo-responsive metal with one end fixed with relation to the shell and the other end attached to said cylindrical member.

2,031,625
REGULATING DEVICE FOR INTERNAL COMBUSTION ENGINES
Julius E. Wild, Springfield, and Wolfgang E. Schwarzmann, Longmeadow, Mass., assignors to United American Bosch Corporation, Springfield, Mass., a corporation of New York
Application November 28, 1933, Serial No. 700,662
4 Claims. (Cl. 123—138)



1. A controlling device for an internal combustion engine having a fuel distributor and means providing a passage for the supply of combustion supporting air to the engine, a valve in said passage, a lever and a rod connected to actuate said valve, a spindle having an arm thereon also connected to said rod, a fuel control rod entering said distributor, another arm on said spindle, elements providing a lost motion connection between the last named arm and the rod entering the distributor, a governor responsive to the speed of the engine, and connecting means between the valve and the governor so that as the speed of the engine increases the governor first actuates the valve toward closed position and subsequently adjusts the distributor through said lost motion connection to decrease the quantity of fuel supplied to the engine.

2,031,626
CLOTH CUTTING MACHINE
Martin Zawislowski, Huntington, N. Y.
Application February 14, 1935, Serial No. 6,429
7 Claims. (Cl. 164—75)



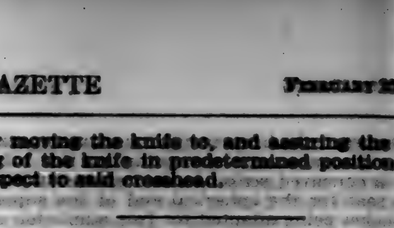
1. A cloth cutting machine including a knife, a crosshead adapted to be reciprocated, and means including a rack and a pinion between said crosshead and the upper end of said knife for moving the knife to, and assuring the locking of the knife in predetermined position with respect to said crosshead.

2,031,627
FRAMED MIRROR
Jack B. Abrams, Chicago, Ill.
Application February 3, 1934, Serial No. 709,530
6 Claims. (Cl. 88—96)



6. A mirror comprising, in combination, a mirror panel, a one-piece supporting structure for said panel having a frame enclosing a portion of the perimeter of said panel and a backing member located against the rear of said panel, the remaining portion of said panel being unconfined, and means including interlocking surfaces on said supporting structure and said panel for securing the latter against removal from said frame.

2,031,628
ROAD SURFACE MIXING DEVICE
Francis E. Aberne, Tufts College, Mass.
Application January 2, 1934, Serial No. 704,889
15 Claims. (Cl. 94—44)

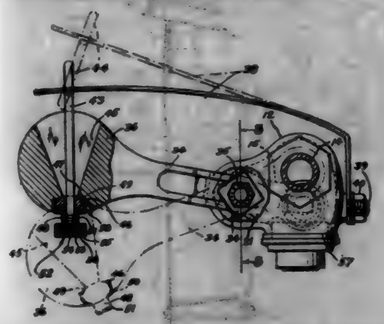


1. As an article of manufacture, a road machine having mixing bars consisting of helically twisted flat metal strips set at an acute angle to the direction of the motion of the machine.

2,031,629
COATED TEXTILE MATERIAL
Stuart A. Athins, Westfield, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Co., Wilmington, Del., a corporation of Delaware
No Drawing. Application July 20, 1933, Serial No. 681,174
8 Claims. (Cl. 91—68)

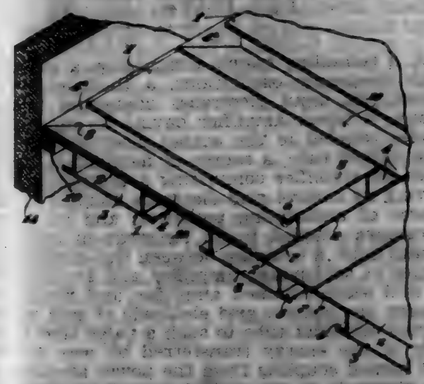
1. An article of wearing apparel manufactured from a textile base coated with a water repellent plastic composition comprising a basic plastic and a plasticizer therefor consisting of a plurality of mutually soluble compounds selected from the group consisting of triphenyl phosphate, tricresyl phosphate, dimethyl phthalate, diethyl phthalate and dibutyl phthalate, in a quantity approximately equal to the amount of basic plastic.

2,031,630
HEAT RESPONSIVE VALVE
William L. Bellman, Stratford, Conn.
Application February 19, 1934, Serial No. 711,975
4 Claims. (Cl. 137—153)



3. In combination, a valve casing, a valve therein, a valve operating spindle mounted to turn in the casing, an operating lever secured to said spindle and including an enlargement forming a weight tending to close the valve, said enlargement having an upright tapered opening therein largest at the top and including a counterbore at its lower end, a bushing mounted for rocking movement in the counterbore and having an opening therethrough, a link passing through said tapered opening for supporting the lever in elevated position including a rod portion extending through said opening in the bushing and carrying an easily fusible element engaging the lower end of the bushing, and means for supporting the link.

2,031,631
BUILDING CONSTRUCTION
Albert F. Bemis, Newton, Mass., assignor to Bemis Industries, Incorporated, Boston, Mass., a corporation of Delaware
Application March 23, 1933, Serial No. 662,275
8 Claims. (Cl. 189—34)



4. A wall comprising a series of units each having opposite rectangular face sheets with parts holding the sheets in spaced relation to define a box-like central portion and outstanding marginal flanges, wider marginal flanges upon one face of the unit extending beyond narrower marginal flanges upon the other face, the wider flanges of adjoining units having their edges juxtaposed, whereby passages or recesses are provided extending along marginal portions of the units.

2,031,632
PROCESS FOR RECOVERING ACIDIC GASES FROM GASEOUS MIXTURES
Robert Roger Bottoms, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
No Drawing. Application June 21, 1934, Serial No. 731,520
8 Claims. (Cl. 23—2)

1. In the process of separating acidic gases from gaseous mixtures containing the same by contacting such gases with an aqueous solution of a basic organic amino compound, the step of inhibiting decomposition of the amino compound and preventing corrosion of the apparatus by including in the aqueous solution a relatively small proportion of a compound selected from a group consisting of vanadium and arsenic compounds.

2,031,633
GOLF BALL SCRUBBER
George A. Brilhart, Indianapolis, Ind.
Application July 26, 1935, Serial No. 33,312
2 Claims. (Cl. 15—97)



1. In a device for cleaning golf balls, the combination of a receptacle for containing a washing fluid, a cover for the receptacle, a web below the cover fixed within the receptacle, a plate above the web, spring clamps releasably securing the plate to the web, a sponge disk fixed to the plate, a crank shaft journalled in the cover and in the web, a plate fixed to the shaft within the receptacle, a sponge disk fixed to the last plate on the side next to the first sponge disk, said sponge disks receiving the golf ball between them.

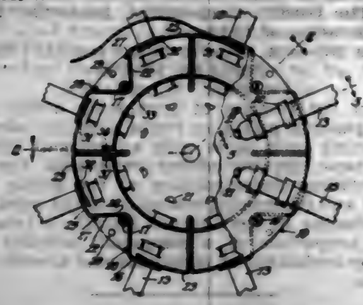
2,031,634
WATER SOLUBLE DIAZOIMINO COMPOUNDS
Miles Augustinus Dahlen, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 2, 1934, Serial No. 748,648
12 Claims. (Cl. 260—24.5)

5. A composition of matter being the product of coupling a diazotized primary arylamine, having no water-solubilizing substituents, through the azo group to nitrogen of an ac-tetrahydroquinoline-sulfonic acid having less than three sulfonic groups.

2,031,635
FILM REEL
Herman A. de Vry, Chicago, Ill.
Application October 8, 1934, Serial No. 747,393
8 Claims. (Cl. 242—70)

1. A film reel comprising a hub and a pair of rims spaced apart axially of the reel to receive

the film therebetween, and spokes mounting the rims on the hub, said spokes being movable endwise with respect to their mounting at one end thereof.



4. A film reel having a pair of separable hub plates and having film holding members held between said plates, said film holding members comprising a stationary member held in fixed position between said plates and a radially movable member of different curvature than the stationary member mounted between said plates and separable from said stationary member to receive a film therebetween.

2,031,636
MANUFACTURE OF ARTIFICIAL RIBBONS, STRAW, AND THE LIKE
Henry Dreyfus, London, England
No Drawing. Application August 7, 1930, Serial No. 473,779. In Great Britain October 3, 1929
2 Claims. (Cl. 18—54)

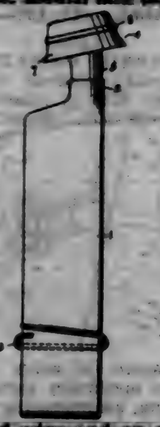
1. Process for the production of artificial materials of flattened cross-section, said process comprising subjecting a plurality of substantially parallel, separate filaments of a thermoplastic derivative of cellulose to the action of heat and pressure so as to produce a melting effect upon the filaments, and to cause them to unite to form a product of flattened cross-section and applying to the flattened product a wax-like substance to produce a lustrous effect.

2,031,637
AZEOTROPIC DEHYDRATION OF AQUEOUS MIXTURES OF LOWER ALIPHATIC ACIDS AND ANHYDRIDES
Henry Dreyfus, London, England
No Drawing. Application May 25, 1933, Serial No. 672,803. In Great Britain June 6, 1932
18 Claims. (Cl. 202—42)

1. Process for the separation of water from admixture with organic liquids selected from the group consisting of lower aliphatic acids and lower aliphatic anhydrides which comprises removing water therefrom in the form of an azeotropic mixture with ethylidene chloride.

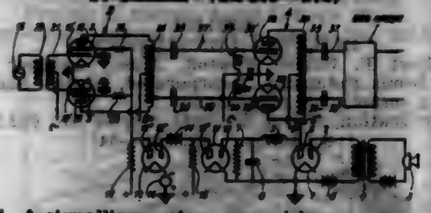
2,031,638
SANITARY APPLIANCE
Charles F. Emery, Jr., Houston, Tex.
Application November 5, 1932, Serial No. 641,406
Renewed January 7, 1936
1 Claim. (Cl. 128—285)

An appliance of the character described comprising a sack like receptacle formed of flexible material, said receptacle being open at one end and reduced at the other end, a releasable clamp normally closing said open end, a mouth piece having an extended tubular neck fitted into said reduced end, said mouth piece being formed of yieldable material, said mouth piece having a permanently retracted rim, said rim being thickened adjacent the mouth and tapering to a thin



outwardly curved edge and an annular oval rib formed integrally with the outer side of and surrounding said rim and spaced from the edge thereof said rib forming anchoring means and also being effective to maintain the rim retracted.

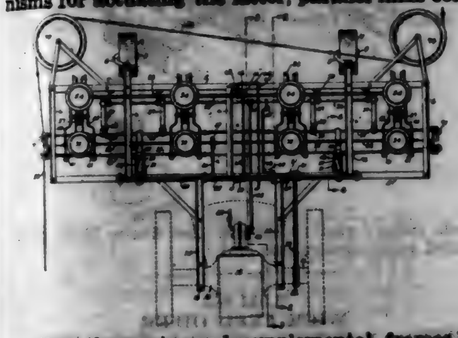
2,031,639
METHOD OF AND MEANS FOR MODULATION
James Leslie Finch, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 27, 1933, Serial No. 658,735
17 Claims. (Cl. 179—171)



1. A signalling system comprising, a source of high frequency oscillations, a thermionic tube having its input electrodes connected to said source, a power amplifier having its input electrodes coupled to the output electrodes of said first named tube, a source of modulating potentials, an amplifier comprising a thermionic tube having its control grid electrode coupled to said source of modulating potentials and its output electrodes coupled to an electrode in said first named tube, a coupling between the output electrodes of said power amplifier and an electrode in said second named amplifier and means for biasing the control grid electrode of said second named amplifier tube to such a value that peaks only of the energy transferred by way of said last named coupling from the power amplifier to the electrode in the second named amplifier affect the operation thereof.

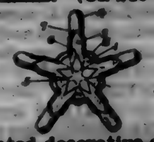
2,031,640
TRACTOR PLANTER
Gerald Geraldson, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Application September 6, 1934, Serial No. 743,134
12 Claims. (Cl. 111—80)

9. In an implement of the class described, a main frame having wheels at its rear end, draft members connecting the front end of the frame to a tractor, a supplemental frame, seed dropping mechanisms on the latter frame, means connecting a tractor to the seed dropping mechanisms for actuating the latter, parallel links con-



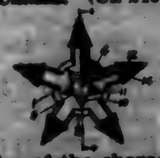
necting the main and supplemental frames, a rock-shaft on the main frame and connected to the supplemental frame, and means associated with the rock-shaft and a power-lift on a tractor for raising and lowering the supplemental frame.

2,031,641
ILLUMINATED DECORATIVE DEVICE
Elmer J. Graf, Roselle Park, N. J., assignor to G. B. G. Corporation, Newark, N. J., a corporation of New Jersey
Application April 24, 1933, Serial No. 667,567
14 Claims. (Cl. 240—10)



1. An illuminated decorative device including a plural part stamped casing having portions fitting and fastened together to form a holder, said portions of the holder having central body portions and complementary extensions arcuately formed to provide sockets for baseless lamp bulbs, baseless lamp bulbs anchored in said sockets against turning and withdrawal, and positioned therein so as to throw light within the body portion as well as outside said extensions, a current supply connector attached to one of said holder portions, said bulbs being connected in series with the electrical parts of said connector, said central body portion being provided with means for emanating light therefrom.

2,031,642
ILLUMINATED DECORATIVE DEVICE
Elmer J. Graf, Roselle Park, N. J., assignor to G. B. G. Corporation, Newark, N. J., a corporation of New Jersey
Application February 2, 1934, Serial No. 709,459
14 Claims. (Cl. 240—10)



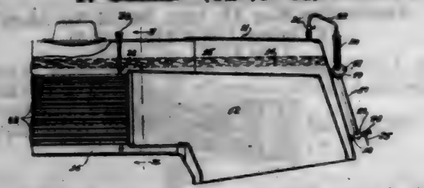
10. In a device of the character described including, a casing having an opening through which the bulb portion of a lamp may be passed, and light-dispersing means carried by the casing, a single lamp for the source of light and means for holding the lamp within the casing with the stem of the lamp projecting outwardly away from the casing, said means comprising insulating means securely and permanently anchored to the lamp and also fastened to the casing, whereby a complete unitary structure is formed for direct attachment to a socket.

2,031,643
COMBINATION CHAIR AND LAMP
Albert A. Granovsky, New York, N. Y.
Application March 24, 1934, Serial No. 717,157
1 Claim. (Cl. 240—4)



An upholstered arm chair having a seat, back, and thick forward extensions at the sides of the back; one or both of said forward extensions being provided with a window in the upper front portion; each said extension provided with said window having a chimney-like flue in its interior, having a bottom intake and an upper exit; a metal lining extending rearwardly from said window and forming a heat distributing means; an electric lamp adjustably mounted back of said window and in said flue and free from any local heat confining means.

2,031,644
WATER LEVEL INDICATOR FOR STEAM BOILERS
Lewis O. Gunderson, Chicago, Ill., assignor to Electro-Chemical Engineering Corporation, Chicago, Ill., a corporation of Delaware
Application March 26, 1934, Serial No. 717,337
17 Claims. (Cl. 73—54)

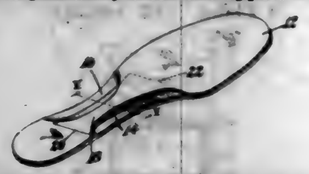


1. Apparatus for indicating the static water level in steam boilers in operation which comprises a pipe in spaced relation from said boiler, an upper leg connecting the top of said pipe with the boiler at a point near the top of the boiler immediately below the normal water level therein, a lower leg of smaller flow capacity than said upper leg connecting the lower end of said pipe with the boiler at a point below the level of active steam formation therein, a tube extending through said pipe and terminating above the lower leg connection thereon and visible means connected to said tube for indicating the height of water in the boiler.

2,031,645
METHOD OF MAKING SHOES
John B. Hadaway, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application April 8, 1933, Serial No. 664,146
In Great Britain April 6, 1932
23 Claims. (Cl. 12—142)

1. That improvement in methods of making shoes having close fitting sole margins which con-

sists in separating a sole into an inner layer and an outer layer in a plane substantially parallel to the outer surface of the sole, thereby reducing the resistance of the sole to widthwise stretching without reducing the thickness of the sole, attaching the sole to a lasted shoe having a transversely convex bottom, and pressing the sole margins into close relation to the shoe upper, thereby stretching said outer layer widthwise to offset any tendency of the sole margins subsequently to pull away from the upper.



22. That improvement in methods of making outsoles for use in the manufacture of shoes which consists in separating an inner layer of an outsole from an outer layer from about the heel breast line to the ball line of the outsole, thereby reducing the resistance of the outsole to widthwise stretching, said inner layer being separated in a plane substantially parallel to the outer face of the outsole and being thicker than said outer layer.

27. A sole for use in the manufacture of shoes having a single tongue cut from about the heel breast line to the ball line to facilitate stretching the sole widthwise of its shank portion, the thickness of the material at the forepart and heel portion of the sole remaining unchanged.

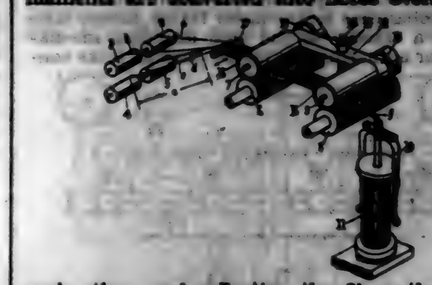
2,031,646
MOUNTING FOR LIGHT SENSITIVE DEVICES
Paul Haas, Maspeth, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application May 11, 1935, Serial No. 20,957
14 Claims. (Cl. 179—100.2)



1. A mounting for a light sensitive device comprising a bracket of insulating material having an enlarged portion at one end with an opening therein, tensioning members positioned in said opening, conductors attached to said tensioning members and passing through a longitudinal opening in said bracket, and an optical element positioned in front of said bracket.

2,031,647
MANUFACTURE OF SPUN YARNS
Frank Corbyn Hale, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application June 8, 1933, Serial No. 674,829
In Great Britain July 4, 1932
5 Claims. (Cl. 19—1)

1. Process for the production of yarn of fibrous character, which comprises continuously subjecting to a breaking load a plurality of continuous filaments having thin portions at intervals along their length, said thin portions occurring at spaced intervals and being staggered as between filament and filament so that by the breakage of the filaments occurring at the thin portions the filaments are converted into fibres overlapping



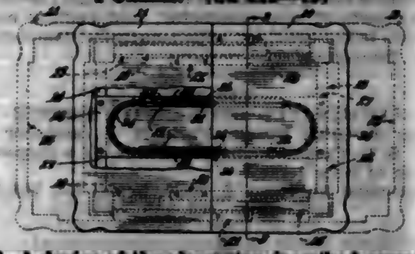
each other, and collecting the fibres thus produced as a continuous end.

2,031,648
WICK FEED OILER
William N. Hollanger, St. Clair Shores, Mich.
Application January 18, 1932, Serial No. 587,432
7 Claims. (Cl. 184—64)



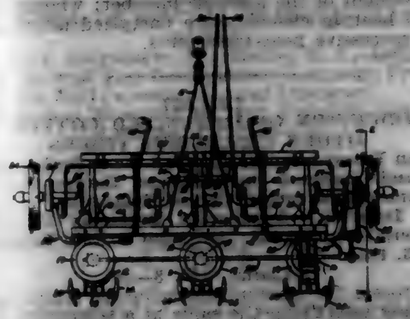
1. In a wick feed oiler, a casing provided interiorly thereof with an outwardly opening substantially cup-shaped portion for the reception of air and a lubricant from within the casing, a wick for conducting the lubricant from the casing into said portion, and means converging from spaced points within the casing for conducting air to said portion, said means being so constructed and arranged that at least one vent for air will be provided when the casing is installed in any desired position from a vertically upright to a horizontal position.

2,031,649
EXTENSIBLE TABLE
William Benjamin Harrington, Milan, Ind.
Application March 14, 1934, Serial No. 715,415
4 Claims. (Cl. 211—75)



3. A device of the character described comprising a table supporting structure, a pair of coplanar table members adapted to form a continuous table when their edges are pressed together, and means for automatically controlling the movement of said table members relative to each other and the table supporting structure, said means including a loop-like flexible equalizing member secured at one point to one of said table members and at another point to another of said table members in a substantially closed fixed guide channel therefor.

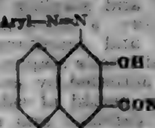
2,031,650
LISTER-PLANTER
Simeon B. Hendricks and John H. Stavisel, Rockford, Ill., assignors to J. I. Case Company, Racine, Wis., a corporation
Application April 30, 1934, Serial No. 723,511
8 Claims. (Cl. 111—84)



1. In an implement of the class described having a frame, the combination, with the frame, of a crank-axle pivotally connected to the frame, a clutch on the axle including a sprocket, a shaft in the clutch, a drive wheel on the outer end of and rotatable with the clutch, an arm on the inner end of the shaft, a slotted link connected to the arm, a bell-crank mounted on the frame and connected to the link in sliding relation to the latter, and a lever connected to the bell-crank for actuating the latter and the link whereby the drive wheel may sink into depressions and rotate therethrough.

2,031,651
AZO DYES AND METHODS FOR THEIR PREPARATION
Emmet F. Hitch and Miles A. Dahlen, Wilmington, Del., and Martin E. Friedrich, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 27, 1933, Serial No. 682,444
16 Claims. (Cl. 260—95)

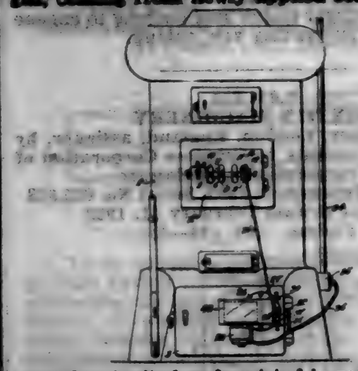
14. An azo dye described by the structural formula



in which X represents the residue of a trifluoromethyl-arylamide.

2,031,652
THERMOSTATICALLY CONTROLLED DAMPER DEVICE
Alvin G. Hoppins, Verona, N. J.
Application March 12, 1935, Serial No. 10,598
10 Claims. (Cl. 110—73)

1. A forced draft mechanism for a coal heating furnace, including a thermostat device mounted on the interior part of the furnace and preferably on the firing door, an electrically operated fan blower mechanism attached to the exterior part of the ash pit door and having a part extending therethrough with a damper valve therein and means inter-connecting said damper valve and the thermostat device which acts to start the opening of the damper valve only after gas, coming from newly applied coal to the furnace, has ignited and assisted in raising the temperature within the furnace.

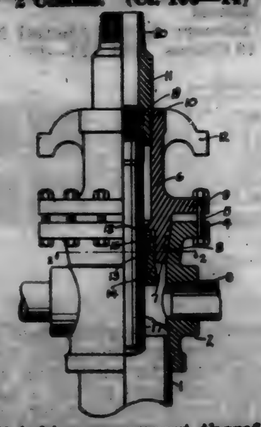


2,031,653
COOLER FOR REFRIGERATORS
Robert Herwin, New York, N. Y.
Application August 4, 1933, Serial No. 683,529
6 Claims. (Cl. 62—141)



1. A cooling container for refrigerators, comprising a hollow body having one substantially flat side adapted to rest on a support in said refrigerator; the opposite top side of said container being outwardly convex, and pan like extensions in cooperation with said hollow body into which said convex top may shed the liquid dripping thereon.

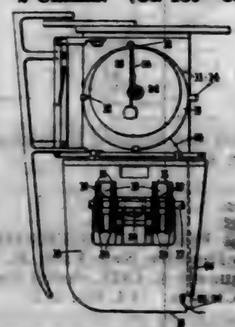
2,031,654
TUBING SUPPORT
James H. Howard, Houston, Tex., assignor to J. H. McEvoy & Company, Sherman, Tex., a corporation
Application June 5, 1933, Serial No. 674,876
2 Claims. (Cl. 166—14)



1. A well tubing, a support therefor including a well casing, a casing head thereon having a downwardly tapered seat, a bushing shaped to fit and form a seal in said seat, a sleeve removably secured in the lower end of said bushing, a downwardly tapered slip seat in said sleeve, slips

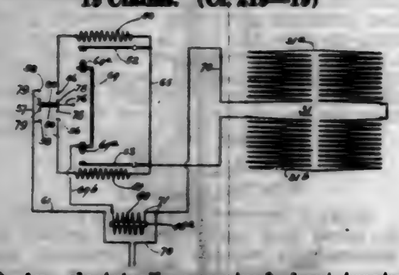
in said slip seat adapted to engage said tubing, said sleeve being adjustable in said bushing, and means at the upper end of said bushing to engage and assist in supporting said tubing.

2,031,655
TEXTILE MACHINERY
Joanny Jaboulay, London, England, assignor, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
Application February 7, 1933, Serial No. 655,558
In Great Britain February 11, 1932
2 Claims. (Cl. 139—13)



1. A shuttle for a circular loom of the type described, said shuttle comprising a flat flanged weft spool having a central bore, a spindle rotatably mounted within said bore, a balanced guide arm secured to one extremity of said spindle and lying close to one flat side of the spool, said balanced guide arm being adapted to rotate about said spool and to unwind weft therefrom, and means disposed within said bore and adapted to co-operate with said bore and said spindle to control the rotation of said guide arm and thereby to impart substantially constant tension to the weft as it is unwound from the spool by the guide arm.

2,031,656
ELECTRIC TOASTER
Ivar Jeppesen, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application January 6, 1933, Serial No. 650,425
19 Claims. (Cl. 219—19)

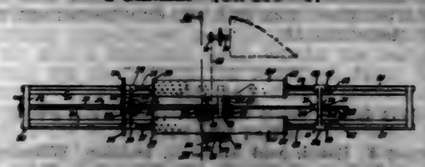


19. An electrically-energized heat-treatment apparatus comprising two members movable relatively to each other for instituting and terminating the heat-treatment period, a heating element carried by one of said members; an electric circuit in which it is energized, said circuit including a temperature-responsive switch element connected for controlling a circuit-in-parallel with the heat treatment circuit which is arranged when energized to operate means for terminating the heat-treatment period, said circuit-in-parallel with the heat-treatment circuit having two branches each including a heating element and a switch with a member movable for opening and closing the circuit; means for operating said switch member to open either branch when the other is closed, said means including connections operated by the heat-treatment-terminating movement of the movable member; whereby the two heating elements are energized alternately in successive heat-treatments.

2,031,657
PRODUCTION OF IMMUNIZED COTTON OR OTHER CELLULOSIC FIBERS
John Edward Jones, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application December 31, 1931, Serial No. 584,286. In Great Britain February 23, 1931
1 Claim. (Cl. 8—28)

Process for immunizing cellulosic fibers comprising esterifying the same at a temperature of about 50° C. to a point not substantially exceeding the di-ester stage in the presence of a sulfonic acid.

2,031,658
BRUSH MAKING MACHINE
Lloyd E. Jones, Pasadena, Calif., assignor to Fuller Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application September 26, 1933, Serial No. 690,866
4 Claims. (Cl. 300—3)

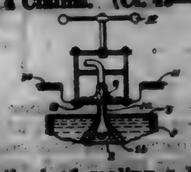


1. A brush making machine including a frame, a carriage slidably mounted thereon, a pair of brush core supporting means, each rotatably mounted upon the carriage, a drilling mechanism mounted upon the frame and operable for drilling the bristle receiving holes in one of the two brush cores, a bristle inserting and stapling mechanism mounted upon the frame and operable for inserting and stapling the bristles in the other brush core, a drive means operable for intermittently and simultaneously actuating the drilling and bristle stapling mechanisms, and a feed means actuated by said drive means during the inactive period of said mechanisms for advancing the carriage and simultaneously rotating the pair of brush core supporting means a predetermined amount for each actuation thereof.

2,031,659
PROCESS FOR MAKING SMOKELESS POWDER
Milton F. Lindsley, Jr., Kings Mills, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, a corporation of Delaware
No Drawing. Application November 24, 1931, Serial No. 576,613
3 Claims. (Cl. 52—12)

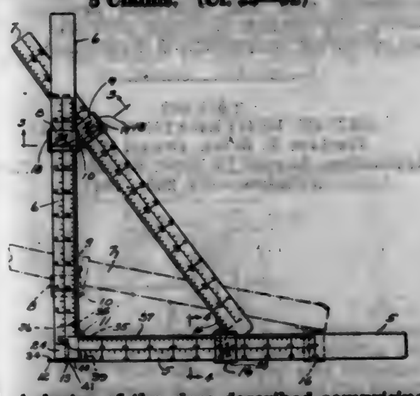
1. A process of forming grains of nitrocellulose suitable for bulk powder from finely divided nitrocellulose, said process comprising the step of suspending the finely divided nitrocellulose in water and agitating said suspension in the presence of a mixed solvent comprising one component which is a solvent for a nitrocellulose and which is miscible with water, and another component which is a solvent for the nitrocellulose but is not miscible with water, and then driving off said solvents.

2,031,660
METHOD OF SEALING CHARGED GLASS BULBS
Albert J. Loepsinger, Providence, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a corporation of Delaware
Application November 28, 1932, Serial No. 644,454
4 Claims. (Cl. 49—77)



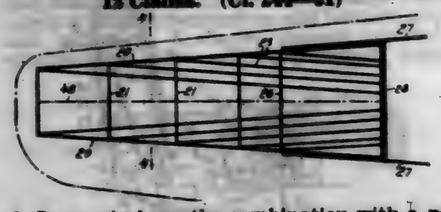
2. The method of sealing a bulb of frangible material having a body, nearly filled with a fluid charge capable when the bulb is sealed of bursting it at a predetermined temperature, and having an open tubulated portion with the end to be sealed in close proximity to said charge; which method comprises maintaining the body and its charge below said predetermined temperature while continuously applying heat to the tubulated portion to bring it to the fusion temperature and thereby effect its sealing; followed by the said continuous application of heat at gradually reduced temperatures until the temperature of the material is below the strain temperature thereof thereby to effect annealing of the tubulated portion.

2,031,661
POCKET VECTOR
Lewis F. Mendenhall, Dover, N. J.
Application May 16, 1934, Serial No. 725,917
5 Claims. (Cl. 33—92)



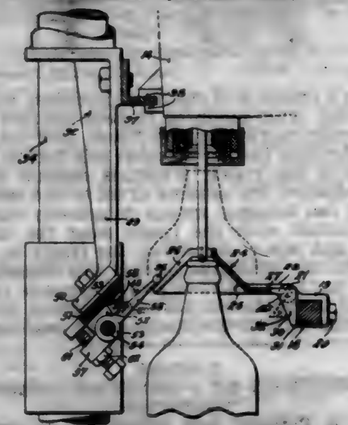
1. A device of the class described comprising a base arm, a vertical arm pivotally connected to said base arm at a point spaced slightly from the end of each arm, a latch comprising spring members carried by the two arms, respectively, for engagement for yieldingly holding such arms in open angular position at the pivot, an hypothenuse bar having means for slidably connecting one end thereof to one of said arms, and tubular means having a transparent face for connecting the other end of said bar slidably upon the other arm, the inner surface of the said tube means having pressure exerting means for engaging the arm upon which the tube means is carried.

2,031,662
WING STRUCTURE
Pierre Ernest Mercier, Paris, France
Application April 17, 1935, Serial No. 16,743
13 Claims. (Cl. 244—31)



1. In an airplane, the combination with a pair of spars having spaced free ends and a bulkhead connecting the spars inward from the free ends thereof, of a wing containing a box structure which includes longitudinal webs, said structure terminating at one end in a portion wedge-shaped in longitudinal section and received between the free ends of the spars, a connection between each side of the box structure and the adjacent spar near the free end thereof, and a connection between the thin end of the wedge and the bulkhead, said connection extending throughout a substantial portion of the length of the bulkhead.

2,031,663
BOTTLE CENTERING MEANS
George A. N. Meyer, Milwaukee, Wis.
Application July 16, 1934, Serial No. 735,382
11 Claims. (Cl. 226—129)

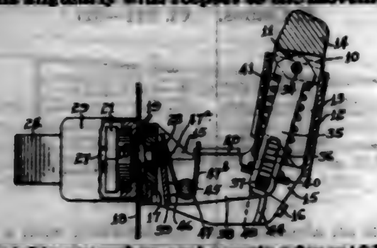


1. A bottle centering device for bottle filling machines comprising, a movable bottle centering element, positive means for imparting a downward movement to said element, and means for yieldably resisting the upward movement of said element.

2,031,664
DOOR LATCH MECHANISM
Derr Miller, Detroit, Mich., assignor to Dura Company, Toledo, Ohio, a corporation of Ohio
Application February 5, 1934, Serial No. 709,745
7 Claims. (Cl. 292—167)

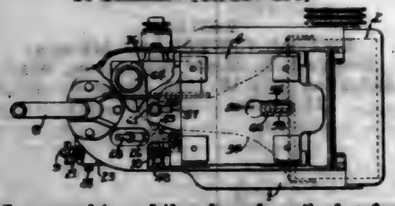
8. A door latch comprising movable abutment means, a latching member movable longitudinally to and from latching position independently of motion of said abutment means, means for normally holding said abutment means against movement during such independent movement, retracting means for said latching member movable

in a direction at an angle to the longitudinal movement of said latching member, said retracting means being operable to shift said abutment means angularly with respect to the movement of



the latching member, and a spring for said latching member and engageable with said abutment means, said spring being compressed only upon said independent retracting movement of the latching member.

2,031,565
FLOOR SANDING MACHINE
Harry L. Myers, Toledo, Ohio, assignor to American Floor Surfacing Machine Company, Toledo, Ohio, a corporation of Ohio
Application March 12, 1935, Serial No. 10,662
10 Claims. (Cl. 51—176)



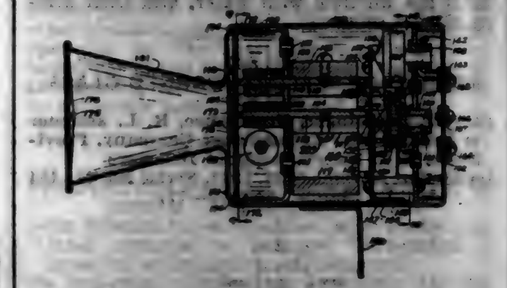
9. In a machine of the class described, a frame, a sanding drum mounted therein, suction creating means carried by the frame and including a fan housing having an open side facing transversely of the frame, a suction conduit leading from adjacent the sanding drum to the open side of said fan housing, means detachably engaging said conduit with the frame near the sanding drum, and means carried by the frame in opposition to the open side of said fan housing and acting on the conduit at points opposite the fan housing to releasably hold said conduit in abutting relation with the open side of said housing.

2,031,666
PRODUCTION OF 5-HALOGEN-2-AMINOTOLUENES
Robert L. Perkins, East Aurora, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application October 25, 1932, Serial No. 639,167
14 Claims. (Cl. 260—130.5)

1. A method of producing a purified 5-halogen-2-aminotoluene from a crude 5-halogen-2-aminotoluene which comprises separating the 5-halogen-2-aminotoluene in the form of a sulfate from a sulfuric acid solution of impurities.

2,031,667
AUDIBLE SIGNAL DEVICE
Maurice E. Pipkin, New York, and Eli Judson Blake, Rochester, N. Y.; said Blake assignor to said Pipkin
Application January 28, 1933, Serial No. 653,538
5 Claims. (Cl. 177—7)

4. An audible signal device comprising a sound projector and a microphone mechanically resonant to the same frequency, an oscillating circuit also resonant to said frequency electromagnetically coupled to said projector and said microphone and including said microphone and a source

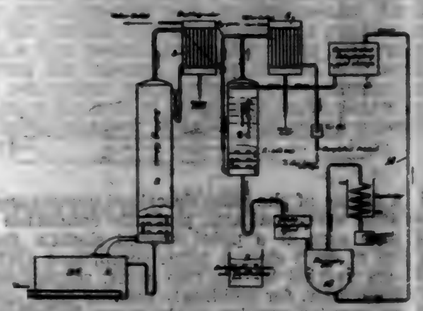


of direct current, said microphone maintaining electric oscillations in said circuit while the sound projector and its electromagnetic coupling translate said oscillations into sound waves.

2,031,668
ART OF PURIFYING YEAST
Gustave T. Reich, Drexel Hill, Pa.
No Drawing. Application April 4, 1929, Serial No. 353,536
5 Claims. (Cl. 195—96)

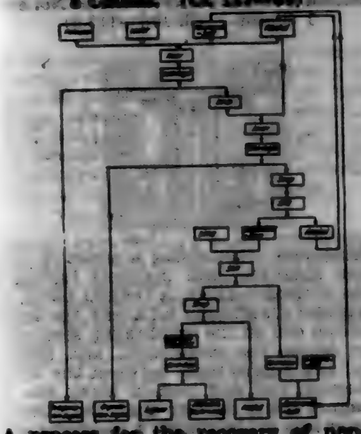
1. In the art of purifying yeast wherein is contained light colored and dark colored living yeast cells, the steps of forming a suspension of the yeast in water in which the proportion of water is between one part yeast and four parts water and one part of yeast and ten parts of water, then heating the suspension to substantially above 25° C., until there forms at the top of the suspension a layer of dark colored yeast, removing this layer and then decolorizing the yeast in the remaining suspension by adding a member of the group composed of acetic acid, phosphoric acid and hydrogen peroxide, and causing the solution to stand until the yeast in said remaining suspension is decolorized.

2,031,669
ART OF DEHYDRATING ESTERS
Gustave T. Reich, Drexel Hill, Pa.
Application August 23, 1930, Serial No. 477,456
9 Claims. (Cl. 260—106)



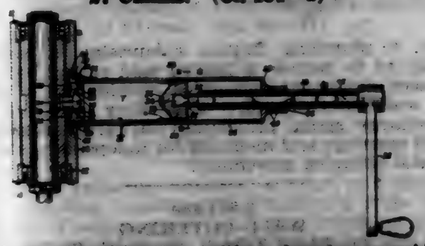
2. The process of dehydrating wet esters of organic acids which comprises intimately commingling said wet esters in liquid state with a saturated solution of a dehydrating salt, whereby the salt solution withdraws the water from the said wet ester and becomes diluted, and separating the dry ester from the salt solution.

2,031,670
ART OF RECOVERING NON-SUGARS FROM SACCHARINE MATERIALS
Gustave T. Reich, Philadelphia, Pa.
Application May 12, 1932, Serial No. 611,027
8 Claims. (Cl. 127—59)



1. A process for the recovery of non-sugars from an aqueous solution of saccharine materials such as molasses, cane and beet juice and sucrose containing materials, and also certain soluble potash salts comprising adding to the solution, ammonium salt and ethyl alcohol, the alcohol and ammonium salts being proportioned relatively to each other and to the non-sugars so that the inorganic non-sugars will be precipitated by the ammonium salts, leaving the organic non-sugars mainly in solution until thereby a precipitation of potash salts occurs.

2,031,671
LUBRICATING SYSTEM
Harry A. Rising, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application August 19, 1932, Serial No. 629,531
27 Claims. (Cl. 184—1)



1. The combination with a bearing provided with an opening, of a lubricant-applying device co-operating with the opening and arranged to receive a collapsible tube containing the lubricant to be applied, the bearing having means for engagement with both the applying device and the tube.

2,031,672
OIL CAN
Frank M. Schaefer, Chicago, Ill.
Application February 12, 1935, Serial No. 6,343
1 Claim. (Cl. 221—42)

A device of the class described including a substantially flat container having an outlet at one side thereof and a lateral groove in its upper face, said groove being tapered in plan and extending angularly with respect to the horizontal plane of said container, a closure for said container having a longitudinal passage adapted to communicate with said container, a head formed on said closure having a transverse passage therein, a stem rotatably mounted in said transverse passage having an S shaped passage adapted to communicate with said longitudinal passage

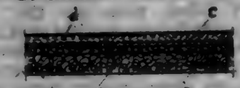


when in operative position, a curved spout, and a head formed on said spout having a transverse opening, one end of said stem being fixedly arranged in said last named transverse opening whereby to form communication to said spout from said S shaped passage, said spout being adapted to be mounted in said groove when in inoperative position.

2,031,673
PROCESS FOR PROTECTING LEATHERS, SKINS, FABRICS, AND THE LIKE DURING THEIR MANIPULATION OR MAKING UP INTO MANUFACTURED GOODS
Robert Schneider, Paris, and Armand Poelman, Charenton, France, assignors to Materials Protector Corporation, Newark, N. J., a corporation of New Jersey
No Drawing. Application December 4, 1929, Serial No. 411,868. In France December 8, 1928
2 Claims. (Cl. 91—68)

2. The method of temporarily protecting the surface of leather, fabric or similar articles during their manufacturing and handling, which comprises applying to the surface to be protected a thin layer of benzyl-cellulose mixed with a plastifying agent so that it is moderately adhesive to said surface, and easy to be torn off when protection of said surface is no longer required.

2,031,674
PROTECTING SHOES DURING THEIR MANUFACTURE
Robert Schneider, Paris, and Armand Poelman, Charenton, France, assignors to Materials Protector Corporation, Newark, N. Y., a corporation of New Jersey
Application November 27, 1931, Serial No. 577,068
In France December 3, 1930
10 Claims. (Cl. 12—142)

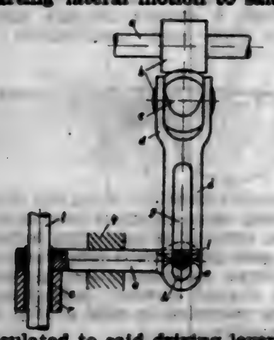


1. A method for protecting shoes and similar articles during their manufacture which comprises spreading a latex coagulant on the surface of said shoe and subsequently applying rubber latex on said shoe over said coagulant.

2,031,675
SEWING MACHINE
Curt Wilhelm Schweiger, Munich, Germany
Application April 4, 1934, Serial No. 718,987
In Germany May 4, 1933
2 Claims. (Cl. 112—158)

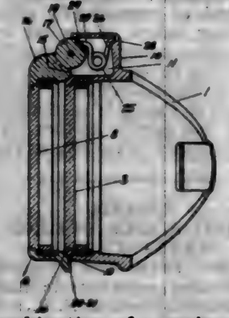
1. A drive for the regulatable transverse motion of the needle bar in zigzag sewing machines,

comprising a bearing for the needle bar, a driving lever having a displaceable fulcrum constructed as a bolt for varying the range of motion of the needle bar, a link non-detachably disposed between said bearing and driving lever for imparting lateral motion to said needle bar



and articulated to said driving lever, and means for automatically disengaging the bolt from said driving lever to render the latter ineffective and for locking the link and needle bar against lateral motion when said bolt is displaced into zero position.

2,031,676
EYE PROTECTOR
Harry F. Shindel, Reading, Pa., assignor to Wilson Products, Inc., Reading, Pa., a corporation of Pennsylvania
Application January 3, 1935, Serial No. 196
7 Claims. (Cl. 2—14)



1. The combination of a main windowed eye-protector frame and a relatively movable windowed cover frame therefor, characterized by a hinged connection of said frames consisting of complementary pivot ears on the respective frames, a pin pivotally connecting said ears, and a reversely acting spring having a tensioning end engaging one frame and an opposite-end torsion-exerting extension eccentrically engaging a pivot ear of the other frame to pivotally swing the latter.

2,031,677
BLASTING CAP CHARGE
Charles P. Spaeth, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 8, 1933, Serial No. 697,112
7 Claims. (Cl. 52—4)

1. A blasting cap composition comprising nitrocellulose impregnated with a liquid explosive nitric ester in an amount less than that of the nitrocellulose.

2,031,678
DYNAMIC MICROPHONE
Harry Kern Turlington, Los Angeles, Calif., assignor of one-half to Silvey M. Murlin, Los Angeles, Calif.
Application October 25, 1933, Serial No. 695,111
1 Claim. (Cl. 179—115.5)



A microphone, comprising a series of grouped horseshoe magnets, said magnets having their like poles arranged about a central point, and a non-magnetic diaphragm adjacent the magnets, an induction coil on the diaphragm, semi-circular busbars below the diaphragm and above the magnets, and connections between the busbars, the induction coil and lead-in wires, one leg of each magnet being shorter than the other, with the shorter legs in the center, a magnetic annular element mounted on the shorter poles and centrally of the diaphragm.

2,031,679
PLUMBING FIXTURE
John Tjaarda, Birmingham, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application April 9, 1934, Serial No. 719,857
13 Claims. (Cl. 137—111)



1. A plumbing fixture comprising a casing adapted to enclose a faucet, said casing having spaced elongated horizontal openings in a wall or walls thereof, valve controlling arms and a discharge spout projecting outwardly through said openings and mounted for independent horizontal swinging movement.

2,031,680
WALL COVERING
Jay Lloyd Tuthill, Dermont, Pa.
Application June 11, 1932, Serial No. 616,539
10 Claims. (Cl. 72—19)



1. A resilient sheet of wall covering having a plurality of uniformly spaced rectangular troughs therein, each trough being of substantially U shaped cross section laterally and having both ends of the trough sloping upwardly and outwardly.

2,031,681
MANUFACTURE OF CALCIUM CHLORITE
George Paul Vincent, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application May 8, 1935, Serial No. 20,537
6 Claims. (Cl. 23—88)

1. In the manufacture of calcium chlorite, the improvement which comprises absorbing chlorine dioxide in an aqueous slurry of calcium hydroxide containing calcium chlorate in proportion less than sufficient to saturate the slurry until calcium chlorite precipitates and separating the precipitated calcium chlorite from the slurry before precipitation of calcium chlorate begins.

2,031,682
METHOD AND MEANS FOR ELECTROSURGICAL SEVERANCE OF ADHESIONS
Reinhold H. Wappler, Yonkers, and Frederick Charles Wappler, New York, N. Y.; said Frederick C. Wappler executor of said Reinhold H. Wappler, deceased
Application November 18, 1932, Serial No. 643,150
11 Claims. (Cl. 174—39)



1. In an instrument for electro-surgical severance of an adhesion, a clamping member constructed and arranged to engage the adhesion at spaced transverse areas, a cutting electrode adjacent to and insulated from the clamping member and mounted for movement in a transverse plane lying between said spaced areas, means for conducting a cutting current to said cutting electrode, and means for moving said electrode to effect a severance of the adhesion between the clamped areas, whereby the resultant stumps remain engaged by the instrument.

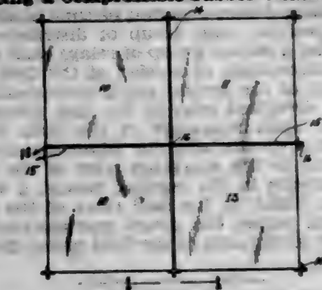
2,031,683
ROTARY REDUCING MACHINE
Walter J. Armstrong, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application January 9, 1932, Serial No. 585,789
11 Claims. (Cl. 83—11)



1. In a reducing machine, a rotor, and means for removing unpulverable fragments from the sphere of action of the rotor and receiving such fragments, said means comprising an upright deflection plate extending longitudinally of the rotor and having a hinging axis at its lower portion parallel to the rotor axis to one side of the vertical plane of the latter, said plate being swingable about said axis away from the rotor to expose the latter, and a substantially horizontal displaceable shelf on the side of the plate remote from the rotor axis and having a supporting engagement with said plate.

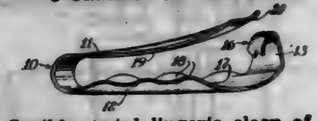
2,031,684
TILE SPACER
Fred H. Berger, Los Angeles, Calif.
Application December 13, 1933, Serial No. 702,940
4 Claims. (Cl. 72—18)

2. A self-contained tile spacer adapted to be inserted into the corner joint spaces between tiles, comprising a compressible rubber element which



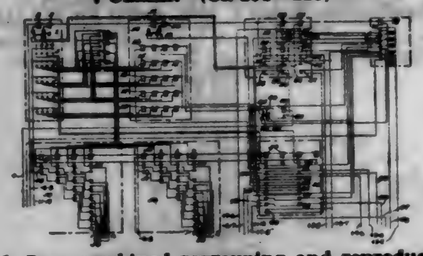
includes a plurality of webs extending radially from a common juncture.

2,031,685
LINGERIE CLASP
William J. Bember, Green Bay, Wis.
Application December 1, 1934, Serial No. 755,606
2 Claims. (Cl. 24—259)



1. A flexible metal lingerie clasp of the class described comprising a U-shaped unit including an upper member and a base member, one part thereof comprising an upper free member bent longitudinally to present inwardly a concave surface and its end terminating to present a concave surface upwardly, the base member having a plurality of upwardly and outwardly extending integral abutments along the longitudinal edges thereof; the end of said base member forming a hook which extends at substantially right angles to the longitudinal center of said base member and then turning upwardly and then being inclined downwardly, the extreme end of said hook terminating in a right-angled downwardly extending portion.

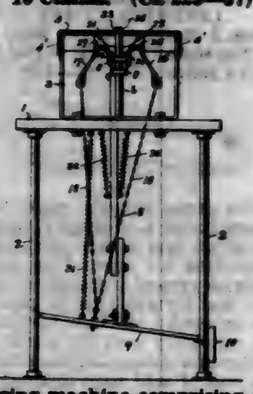
2,031,686
INSTALLATION FOR COMPILING AND COLLABORATING STATISTICAL DATA
Charles Berol, Geneva, Switzerland
Application December 11, 1928, Serial No. 325,341
In Switzerland December 14, 1927
7 Claims. (Cl. 164—115)



1. In a combined regrouping and reproducing mechanism, where data in a strip comprised of fields is passed under a reading means and is selected according to particular classification digits arranged one on each field and then reproduced, a distributor for determining the order of reproduction, the said distributor comprising a plurality of relays adapted to be energized according to the value of the said classification

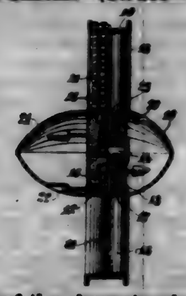
digits of the several fields, the energized relays being retained over a period of time in their energized position, said group of distributors also comprising a second group of relays each relay of which corresponds to a relay of the first group, that relay of the second group corresponding to the first energized relay of the first group being energized upon repassage of the strip through the reading means, whereby when the digit corresponding to the energized relay of the second group appears in the reading means, a working circuit is closed by the said relay of the second group and causes the direct reproduction of at least part of the data of the field under the reading means.

2,031,687
PRESSING MACHINE
Martin J. Boriski, Houston, Tex.
Application June 13, 1935, Serial No. 26,525
10 Claims. (Cl. 223—37)



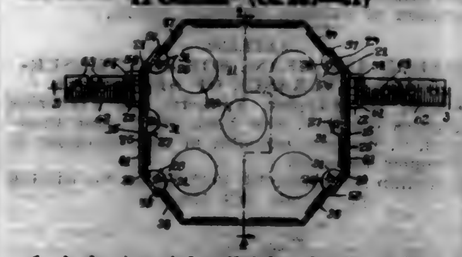
1. A pressing machine comprising a work supporting platform having a slot, pressure plates arranged underneath the platform and having lips arranged to work through the slot and normally in approximately parallel relation to project through a slit in fabric positioned on the platform, means for actuating the plates to move the lips into approximately parallel relation with the platform to clamp the fabric forming the margins of the slit against the platform.

2,031,688
FAN AND MOTOR CONSTRUCTION
William Spencer Bowen, Westfield, N. J.
Application March 9, 1934, Serial No. 714,745
3 Claims. (Cl. 230—238)



1. A device of the character described comprising a rotatable impelling means formed with a plurality of radially extending blades, electrical means connected operatively with the impelling means and disposed at the axis of the blades, stationary supporting means for the electrical means comprising blades curved in a direction opposite to that of the first blades, the electrical means lying wholly within the planes of the blades, electrical conductors in certain of the stationary blades connected with the electrical means, and cylindrical supporting means on the extremities of the stationary blades.

2,031,689
OUTLET BOX
Christopher C. Burchill, Chicago, Ill., assignor of one-half to Edward E. Burchill, Chicago, Ill.
Application June 8, 1934, Serial No. 25,595
11 Claims. (Cl. 247—31)



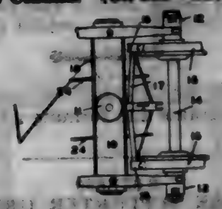
1. A sheet-metal outlet-box having a base and side-walls, a portion of said side-walls being formed of a member integral with said base for a part only of its length, the remainder of said side-walls being formed of another member integral for a portion only of its length with said base, tongues integral with and at substantially right-angles to said base and in substantial register with the complementary ends of said side-wall members, terminal strips integral with the upper ends of said tongues, locking tabs integral with and at approximately right-angles to said strips and having necks fitting in recesses in the top edges of the adjacent end portions of said side-wall members, one of said side-wall members at each of their meeting ends being shaped to form a bracket-socket extending only a part of the height of the box side-walls.

2,031,690
BRAKE SHIELD
Clarence E. Budd, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application November 21, 1934, Serial No. 754,874
2 Claims. (Cl. 188—2)



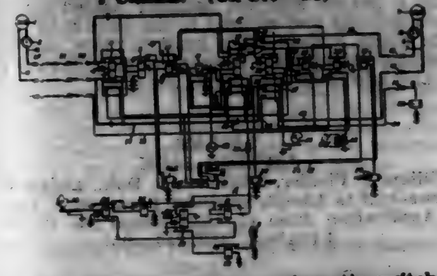
1. A brake backing plate adapted to be arranged at and to close the open side of a brake drum, and having secured at its periphery a sheet metal member doubled on itself and having one edge in close proximity to the internal surface of the drum and having a portion adjacent its other edge projecting over the exterior of the drum.

2,031,691
BRAKE BEAM SAFETY SUPPORT
Sterling H. Campbell and Frank H. Pietsch, St. Louis, Mo., assignors to Railway Devices Company, St. Louis, Mo., a corporation of Missouri
Application March 16, 1935, Serial No. 11,411
3 Claims. (Cl. 188—216)



1. In a device of the class described, a car truck including side frames, a connecting bolster, and brake beams; said truck being provided with a horizontal member, a pair of rotatable retainers passing vertically through said member, a two-part safety support, each part of said support passing horizontally through one of said retainers, and means for securing the parts of said support together to operatively position them under the brake beam.

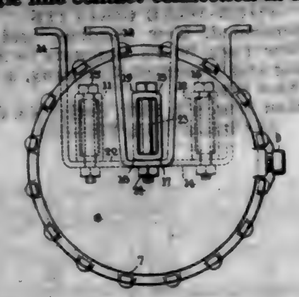
2,031,692
TELEPHONE SYSTEM
Arthur Carson, Richmond, Va., assignor to American Telephone & Telegraph Company, a corporation of New York
Application March 23, 1935, Serial No. 13,570
7 Claims. (Cl. 179—18)



1. In a telephone system, automatic switches, means for setting up a connection involving a plurality of said switches in series, timing mechanism, release means for a particular one of said switches, means controlled by the called party for rendering said mechanism effective to prepare a circuit for the partial operation of said release means, means responsive to such partial operation for releasing certain of said switches, and means for fully operating said release means to cause the release of said particular switch.

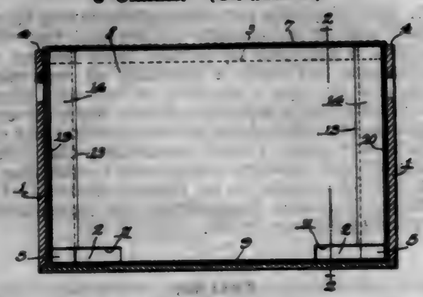
2,031,693
RESERVOIR MOUNTING
James D. Curtin, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application October 12, 1934, Serial No. 748,127
7 Claims. (Cl. 303—1)

1. A reservoir assembly for air brake systems comprising a pair of spaced supporting members, a reservoir; at least two spaced lugs on one end of said reservoir and rigidly connected to one of said members; and a single lug on the other end of the reservoir and secured to the other member by a substantially single line contact connection, said lug being constructed and arranged to obtain said single line contact connection in any one of



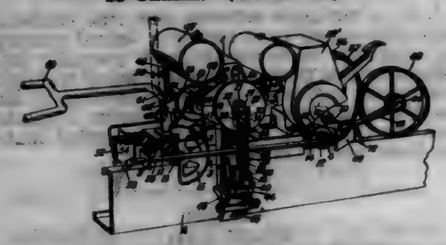
a plurality of positions of said lug and its supporting member.

2,031,694
LINING FOR FRUIT BOXES AND THE LIKE
Richard D. Croce, New York, N. Y.
Application February 26, 1935, Serial No. 8,262
3 Claims. (Cl. 217—3)



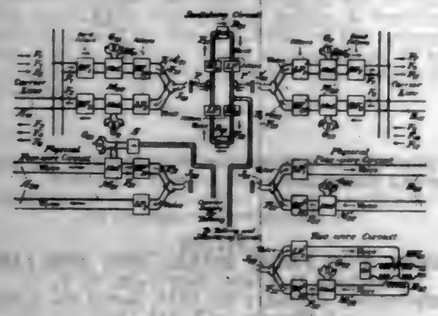
1. A lining for fruit boxes or the like comprising a member of corrugated paper board scored transversely and bendable along its scores to fit the inner faces of three walls of the box and the corner portions defined thereby, a second scored member of corrugated paper board bendable along the scores to provide a portion for fitting snugly on the bottom of the box, a portion for fitting against one wall and the adjacent corner portions of the box, and a portion constituting a cover.

2,031,695
MACHINE FOR TAMPING EARTH
Joseph Eggert, Columbus, Ohio; Emma L. Keny administratrix of said Joseph Eggert, deceased
Application July 5, 1932, Serial No. 620,206
18 Claims. (Cl. 94—46)



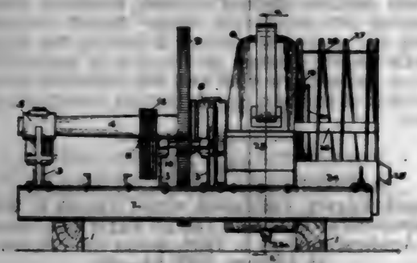
1. A machine for tamping earth along and under a concrete side form comprising a carriage designed to ride upon said side form, a tamping unit, and means for oiling said side form embodying a means for vaporizing the oil.

2,031,690
SWITCHING ARRANGEMENT FOR FOUR-WIRE CIRCUITS
Lloyd Espenschied, Kew Gardens, and Newton Monk, New York, N. Y., assignors to American Telephone and Telegraph Company, a corporation of New York
Application March 2, 1933, Serial No. 659,410
18 Claims. (Cl. 179—15)



1. In a telephone switching office having terminated therein a plurality of physical four-wire circuits, a plurality of carrier lines having superimposed on each a plurality of equivalent four-wire circuits, a plurality of two-wire physical circuits and a switching circuit for inter-connections, the method for interconnecting any circuit to any other circuit comprising the translating of the opposite directional frequencies of any pair of circuits to be interconnected to two different common frequencies for transmission over the switching circuit.

2,031,697
GRINDING MILL
Arthur W. Fahrenwald, Moscow, Idaho
Application April 27, 1934, Serial No. 722,718
5 Claims. (Cl. 83—8)



1. In a wet pulp grinding mill, the combination with a feed tank having a lateral classifying chamber, of a rotary drum partially submerged in said tank, said drum having a peripheral intake, and an axial outlet opening to said classifying chamber, and a conveyer rotatable with the drum for returning unclassified material from said chamber to the tank.

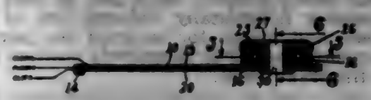
2,031,696
BOOK END
John Fassel, West Hartford, Conn.
Application May 17, 1934, Serial No. 726,135
2 Claims. (Cl. 211—43)

1. A book end of the character described comprising an L-shaped frame constructed of wire, a sheet forming a lining on said frame and a



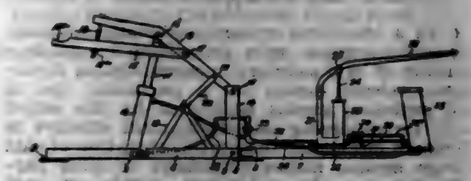
sewed to said frame and forming a covering over said lining.

2,031,699
HOSE SUPPORTER GRIP
Wallace F. Fassett, Derby, Conn., assignor to The Ansonia O & C Company, Ansonia, Conn., a corporation of Connecticut
Application July 27, 1934, Serial No. 737,148
3 Claims. (Cl. 24—245)



3. A hose supporter grip having a clasp member comprising a base strip and a rubber shank member extending upwardly therefrom, a button head secured upon the upper surface of the shank member, and said head comprising a metallic disk having a covering of rubber on its upper and lower surfaces and having a central opening therein and a headed securing member passed through said opening and secured to the base strip below the shank to secure the head in place, and said member gripping the rubber covering between the shank and lower surface of the disk.

2,031,700
LIFTING JACK
William J. Fiedler, Milltown, S. Dak., assignor of one-half to Adolph Gobelsha, Parkston, S. Dak.
Application June 17, 1935, Serial No. 27,070
6 Claims. (Cl. 254—93)



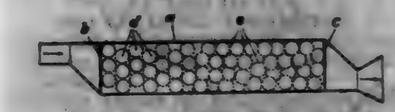
1. In a jack, a base comprising a pair of pivotally connected members, a hydraulic lifting device on one of said members and including a lifting cylinder having a piston operating therein and provided with a rod, a standard pivoted at one end to said one base member, an angular lifting lever pivoted at one end to said standard and also pivoted intermediate its ends to the rod of said piston, a load engaging member carried by said lever, a reservoir mounted on the other of said base members, a pump mounted on the last named base member, conduit means connecting said reservoir with the pump, other conduit means connecting the pump with the lifting cylinder, and including a valve equipped bypass connected with said reservoir, and a leak conduit connecting the upper portion of the lifting cylinder with the reservoir.

2,031,701
CABINET CONSTRUCTION
Gregg F. Furstenthal, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 2, 1934, Serial No. 723,433
3 Claims. (Cl. 220—9)



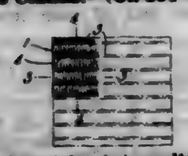
1. An open topped cabinet for articles to be cooled comprising a plurality of vertically extending and connected sheet metal front, back, and end walls, said end walls extending below the front and back walls and forming a supporting structure for the cabinet, an open topped container disposed within the confines of said wall members with its top substantially coinciding with the open top of said cabinet, said container extending downwardly approximately to the bottom of said front and back wall members, inturned flanges on said front and back wall members, means extending between and supported by said flanges for supporting said container, rigid connecting members extending between said end wall members adjacent the bottoms thereof and in substantial vertical alinement with said front and back wall members, inturned flanges on said rigid connecting members, and a platform carried below said container by the inturned flanges of said rigid connecting members.

2,031,702
SILENCER FOR INTERNAL COMBUSTION ENGINES
Kurt Frey, Oranienburg, near Berlin, Germany, assignor to Degea Aktiengesellschaft (Aktiengesellschaft) Berlin, Germany, a corporation of Germany
Application January 8, 1935, Serial No. 970
In Germany March 26, 1934
2 Claims. (Cl. 137—169)



1. A silencer for internal combustion engines comprising a tube of predetermined cross-section having an inlet and an outlet, two perforated plates arranged within said tube in spaced relation to each other, a plurality of filling bodies of inorganic fibrous sound-absorbing material located within said tube between said plates, said filling bodies being of predetermined shape to provide interstices between adjacent bodies, and individual foraminated fire-proof containers each independently enclosing one of said filling bodies to substantially preserve the predetermined shape thereof.

2,031,703
CRINKLED ELASTIC MATERIAL
James J. Galligan and William James Robinson, Providence, R. I., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application September 1, 1932, Serial No. 631,313
13 Claims. (Cl. 154—55)



1. As a new article, integrally united plies of elastic material having air pockets therebetween, the ply on each outer side of the composite article being outwardly puckered, the rubber of one ply of the article having a greater resistance to stretch than the remainder.

2,031,704
AUTOMATIC SLACK ADJUSTER
Hans Gallusser, Geneva, Switzerland
Application January 16, 1934, Serial No. 705,992
In Switzerland January 16, 1933
1 Claim. (Cl. 188—200)

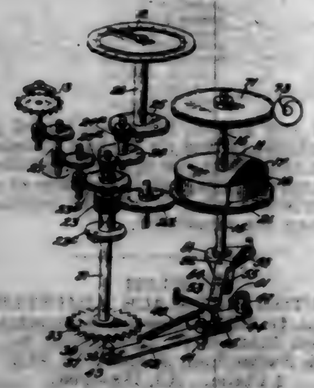


In an automatic play take-up device for brake rigging, the combination of an outer casing, an inner casing telescopically combined with said outer casing, a conical stop on each of said casings, a flat stop on each of said casings in opposed spaced relation to the conical stop thereof, a threaded bar projecting into said casings and constituting part of the brake rigging, clamps located within said casings in operative relation to said threaded bar, said clamps each consisting of a plurality of sections held together by an elastic member and being movable between the stops of the respective casings and co-operating therewith to respectively grip and release said thread bar, a pair of double levers constituting part of the brake rigging, one of said casings being connected with one of said levers, two spaced abutments carried by the other of said levers, and a setting member carried by the other casing and movable between said spaced abutments, said setting member in co-operation with said pair of abutments being arranged to shift said casings relatively to each other to adjust said clamps relatively to said threaded bar to automatically take up play in said brake rigging.

2,031,705
TIMEPIECE AND THE LIKE
Robert Constantine Graseby, New Malden, England
Application May 12, 1934, Serial No. 725,378
In Great Britain August 3, 1933
3 Claims. (Cl. 58—28)

2. Time-piece to be operated from a synchronous motor, comprising an indicating device, a driving spring operatively connected with said device, a shaft to be driven by the syn-

chronous motor, a rotary tooth-gapped synchronizing member operatively connected with said device, a toothed co-acting synchronizing member, a lever carrying said member at an end, a support operatively connected with said shaft for rotation thereby, a hammer device pivoted on said support and rotatable therewith, a loading spring acting between said support and hammer device, the other end of said lever extending



into the path of said hammer device, and a stop located in the said path just in front of said lever-end, and adapted for arresting said hammer device until the continued rotation of said support permits said hammer device to slip past said stop under the influence of its loading spring and to strike said lever-end with a momentary hammer-blow producing a stab-like engagement of the toothed member in the tooth-gapped member.

1,831,706
STRINGED MUSICAL INSTRUMENT
George D. Hambrecht and James Weldon Paine, Canajoharie, N. Y.
Application February 1, 1931, Serial No. 454,714
19 Claims. (Cl. 84—294)



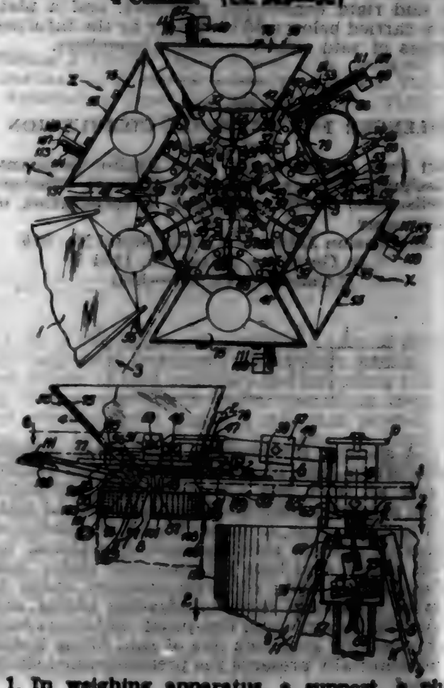
1. A stringed musical instrument including a sounding board, strings extending substantially parallel with the sounding board, means whereby an upward pull is exerted upon the sounding board when the strings are subjected to tension, and slidable means for varying the upward pull.

1,831,707
DEVICE FOR SIMULTANEOUSLY TWISTING AND WINDING KNITTED THREADS
Ferdinand Hanft, Berlin-Charlottenburg, Germany, assignor to Maschinenfabrik A. G. St. Gallen (Switzerland), Glarus, Switzerland, a Swiss corporation
Application July 28, 1932, Serial No. 622,567
In Germany July 29, 1932
4 Claims. (Cl. 117—1)



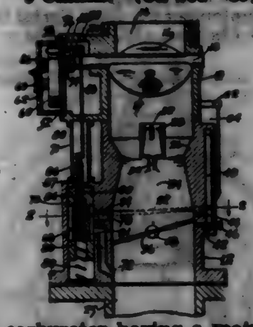
4. In a knitting machine for the manufacture of knitted threads, a knitting head for producing the knitted thread, a take-up device to draw the thread from said knitting head, and a twisting device disposed beyond the take-up device for twisting the knitted thread about its axis.

1,831,708
APPARATUS FOR FILLING BAGS
Burton A. Hammerald and Edward Ingstad, Indianapolis, Ind., assignors to Bemis Bro. Bag Co., St. Louis, Mo., a corporation of Missouri
Application January 3, 1931, Serial No. 507,321
6 Claims. (Cl. 249—52)



1. In weighing apparatus, a support, a plurality of weighing means mounted on said support, elements movable by said weighing means upon the determination of a predetermined weight and returnable after the weight is removed, an intermittently returnable switch engageable by said elements when the weight is subnormal, a motor drive for the support including a circuit, said switch controlling said circuit to stop the motor when the weight is subnormal and to automatically again start the motor when said weight reaches the predetermined amount, and frictional braking means determining the point of stopping of the support.

1,831,709
CARBURETOR
Scott F. Hunt, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application November 7, 1924, Serial No. 751,238
9 Claims. (Cl. 261—39)



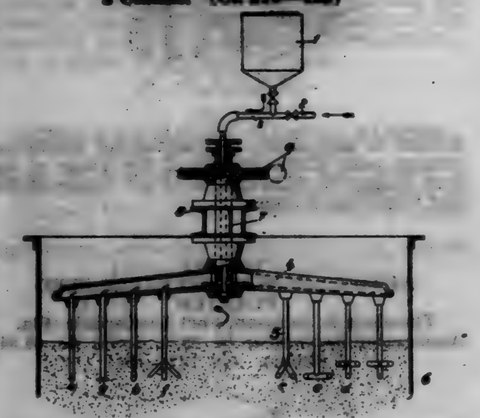
1. In a carburetor having a main carbureting passage, a throttle valve, an unbalanced choke valve, temperature responsive means operably connected to the choke valve, a fluid pressure differential actuated motor including a cylinder connected to the main carbureting passage on either side of the throttle, a piston in said cylinder, a fuel passage adapted to discharge fuel into the cylinder and to be closed by the piston under certain operating conditions, and connecting means between the piston and the choke valve whereby said motor may influence the position of the choke valve and the choke valve may influence the position of the piston, said motor acting also to interconnect the main carbureting passage on either side of the throttle valve when said choke valve is actuated by said temperature responsive means.

1,831,710
PULVERIZING APPARATUS
Johannes Ihlefeldt, Dessau, Germany, assignor to the firm G. Polysius, Aktiengesellschaft, Dessau, Germany
Application August 30, 1931, Serial No. 559,719
In Germany August 29, 1931
6 Claims. (Cl. 83—6)



1. In apparatus of the class described, the combination with a pulverizing mill of elongated form having an inlet for the material to be pulverized adjacent one end and a discharge outlet adjacent the other end, and provided with an apertured partition at an intermediate point to afford separate pulverizing zones, whereby the material may flow generally in one direction through the mill, of means for effecting circulation of gas within the mill in opposite directions in different portions of the length thereof, said means including a port for the gas communicating with the interior of the mill adjacent said partition.

1,831,711
PURIFYING OF WATER
Max Jaenicke and Gustav Reiffeul, Frankfort-on-the-Main, Germany, assignors to Carbo-Norit-Union Verwaltungs-Gesellschaft m. b. H., Frankfort-on-the-Main, Germany, a corporation of Germany
Application January 18, 1932, Serial No. 652,396
In Germany January 25, 1931
8 Claims. (Cl. 210—125)

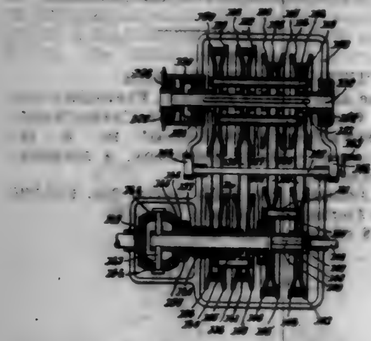


8. Apparatus for filtering water and other aqueous liquids comprising a filter bed of granular filtering material and means for introducing pulverulent to fine grained adsorptive material into the mass of filtering material comprising an arm in the form of a conduit adapted to rotate in a horizontal plane over the surface of the filter bed, teeth in the form of conduits communicating with said arm and adapted to project into the filter bed, a receptacle for the adsorptive material, a conduit connecting said receptacle with said arm, and a conduit for liquid communicating with said last named conduit.

1,831,712
MULTIPLE GROOVE EXPANDING PULLEY
Marcel Jannin, Meudon, France
Application November 16, 1923, Serial No. 674,336
In France December 12, 1922
18 Claims. (Cl. 74—230.17)

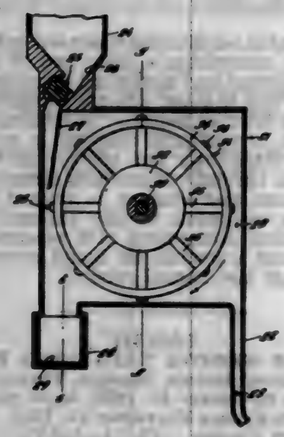
1. An expanding pulley adapted to be mounted on a shaft, which comprises in combination, a series of flanges mounted in juxtaposition on said shaft so as to form a plurality of pairs each adapted to accommodate a belt between its flanges the respective faces of the two flanges of a pair that are in contact with the belt being inclined so as to cause the belt to move radially with respect to the shaft when two flanges are given a relative axial displacement, a plurality of rods extending throughout said flanges, means on said rods for removably fixing in a rigid manner the even numbered flanges of said series relatively to one another in the axial direction while allowing said even numbered flanges to move with respect to the odd numbered flanges, means wholly independent, for relative displacements in

the axial direction, of the last mentioned means for removably connecting together in a rigid manner all the odd numbered flanges of said series, means for angularly connecting said



flanges to said shaft, and means for producing relative axial displacements of the whole of the even numbered flanges and of the whole of the odd numbered flanges.

2,031,713
AUTOMATICALLY OPERABLE SEED PLANTER
Theodore E. Johnson, Fort Lauderdale, Fla.
Application September 16, 1935, Serial No. 40,849
3 Claims. (Cl. 221—124)



3. In a structure of the class described, an air distributing head provided in one face with a segmental suction groove, a suction line connected with said groove, said head being further provided adjacent one end of the groove with an air inlet orifice, a pressure feed line connected with the head and in communication with said orifice, a relatively rotatable wheel including a hub in matched relationship with said head, said hub being provided with circumferentially spaced passages successively registrable with the groove and air inlet orifice, said wheel also including tubular spokes communicating at their inner ends with said passages and being open at their outer ends in the manner and for the purposes described.

2,031,714
PROCESS FOR THE PRODUCTION OF DISULPHIDES FROM MERCAPTOTHIAZOLS
Gerhard Kallner, Ida- und Marienhütte, near Saarau, Germany, assignor to Silesia, Verein Chemischer Fabriken, Ida- und Marienhütte, near Saarau, Germany
No Drawing. Application March 29, 1935, Serial No. 13,754. In Germany August 2, 1934
5 Claims. (Cl. 260—24)

1. A process for the production of thiazole disulphides from mercaptothiazols characterized by the feature that an essentially dry, powdered mercaptothiazole is treated with oxygen in presence of nitrogen oxides.

2,031,715
NONREFILLABLE BOTTLE STOPPER
William H. Kern, Jersey City, N. J., assignor to Associated Inventions, Inc., Jersey City, N. J., a corporation of New Jersey
Application September 29, 1934, Serial No. 746,164
9 Claims. (Cl. 215—39)



1. A non-refillable bottle stopper comprising a cylindrical sleeve adapted to be attached to the neck of a bottle, a guard in said sleeve adapted to permit the flow of liquid therethrough but to prevent the insertion of a tool therebelow, a valve seat at the lower end of said sleeve, and a valve mounted for limited reciprocating movement between said guard and seat, said valve comprising a downwardly disposed head adapted to rest upon said seat and a plurality of upwardly extending, spaced guiding portions having surfaces slidably engaging said sleeve and joining said head at their lower ends and adapted to limit upward movement of said valve by contact with said guard, the spaces between said guiding portions constituting passages for the outflow of liquid and the inflow of air during the normal pouring operation.

2,031,716
CLUTCH CONTROL MECHANISM
Victor W. Kliesrath, South Bend, Ind., assignor to Bragg-Kliesrath Corporation, South Bend, Ind., a corporation of New York
Application July 29, 1931, Serial No. 553,739
4 Claims. (Cl. 192—.01)

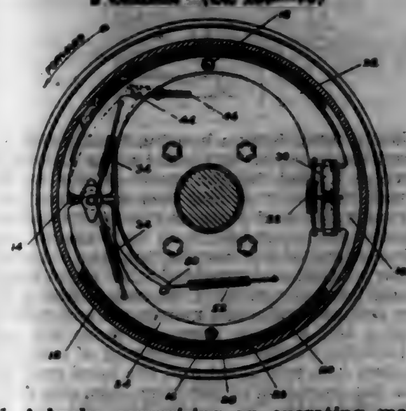
1. In an automotive vehicle provided with a clutch, a throttle controlled engine and an accelerator, a double-ended pressure differential operated motor for operating said clutch, an accelerator operated valve means for initiating the clutch disengaging and engaging operations of said motor, and a foot operated valve independent of said throttle and aforementioned valve means, said foot operated valve being so designed as to be normally inoperative, and when so inoperative, to facilitate the clutch disengaging

operation of the motor and further designed to be selectively operable to control the rate of efflux of fluid from the pressure end of said motor to



completely control the clutch engaging operation of the motor in synchronization with the operation of the throttle to control the speed of the engine.

2,031,717
BRAKE
Robert F. Kohr, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 7, 1933, Serial No. 660,351
9 Claims. (Cl. 188—73)



1. A brake comprising an operating member including a lever having a longitudinal slot, lateral cams on the lever, and an arm extending beyond the fulcrum of the lever.

2,031,718
DISPLAY DEVICE FOR MERCHANDISE
Claude W. Kress, New York, N. Y.
Application March 17, 1931, Serial No. 523,504
14 Claims. (Cl. 211—87)

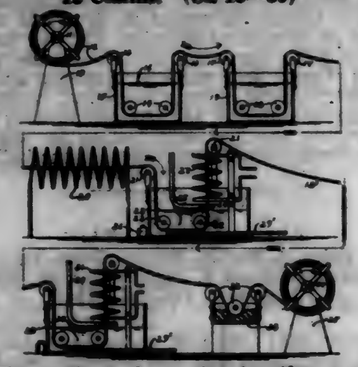


13. In a merchandise display device, in combination, a plurality of fixedly supported vertically spaced tubular horizontal bars, a series of horizontally spaced tubular main vertical bars mounted solely upon said horizontal bars at the front thereof, means carried within each of said tubular main vertical bars adapted for separately disconnectibly mounting said tubular main vertical bars upon said tubular horizontal bars, a plurality of channel strips forming supplemental vertical bars respectively extending along the front of and each having its flanges in engagement with a said main vertical bar and with its web spaced from the front face of said main vertical bar, and means adapted to secure said channel strip fixedly in place on said main vertical bar.

2,031,719
MANUFACTURE OF CONDENSATION PRODUCTS FROM ALCOHOLS AND PHENOLS
Herbert Langwell and Charles Bernard Maddocks, Epsom, England
No Drawing. Application March 15, 1934, Serial No. 715,777. In Great Britain March 17, 1933
8 Claims. (Cl. 260—150)

1. The process of production of condensation products from phenols comprising reacting the phenolic body with methyl isobutyl carbinol with the aid of aqueous zinc chloride of a concentration of about 80 per cent. strength.

2,031,720
METHOD OF MAKING BONDED RUBBER AND METAL ARTICLES
Roger K. Lee, Highland Park, and Willett J. McCartney, Royal Oak, Mich., assignors to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application September 28, 1932, Serial No. 635,158
15 Claims. (Cl. 18—59)



1. The method of securing together a piece of metal and a body including rubber which consists in fixing on a surface of said metal during a partial curing operation a film-like semi-cured non-tacky rubber coating having a capacity for further curing, thereafter placing a body including vulcanizable rubber in contact with the exposed surface of said semi-cured coating, and heating the resulting unit during a subsequent curing operation to cause the rubber of said body and coating to cure while in contact with each other and to cause said coating to become integrally bonded with said metal surface and with the rubber of said body.

2,031,721
METHOD OF MANUFACTURING HIGHLY EMISSIVE CATHODES
Siegmund Loewe, Berlin-Steglitz, Germany
No Drawing. Original application July 16, 1931, Serial No. 551,296. Divided and this application June 16, 1932, Serial No. 676,949. In Germany July 17, 1930
3 Claims. (Cl. 250—27.5)

1. A method of producing highly emissive cathodes comprising the steps of producing a mixture

of the oxide of an earth alkaline metal with magnesium powder, arranging said mixture in a vacuum and heating it for liberating said earth alkaline metal, heating said reaction mixture still further for eliminating the remaining free metallic magnesium, coating the resulting reaction mixture containing the free earth alkaline metal and magesium oxide with a protective layer, mounting said mixture with a cathode core, a grid and a plate in a bulb near said cathode core, heating said mixture for evaporating said protective layer, and heating said mixture further for evaporating said earth alkaline metal and for precipitating it on to said cathode core to form a highly emissive layer on said cathode core.

2,031,722
BRAUN TUBE
Siegmund Loewe and Peter Paul Fries, Berlin, Germany
Application July 15, 1933, Serial No. 680,594
In Germany July 30, 1932
3 Claims. (Cl. 250—27.5)



1. A Braun tube including an evacuated bulb having a bottom furnished at its inside with a coating of fluorescent material, the side walls of the bulb being furnished at their outside with a coating of good heat radiating material and with a further elastic, firmly adhering coating of transparent material, said further coating being arranged on the first said coating for the purpose of preventing an implosion of the bulb.

2,031,723
DRINKING FOUNTAIN
Perry S. Martin, Harrisonburg, Va.
Application August 9, 1930, Serial No. 474,199
16 Claims. (Cl. 251—134)

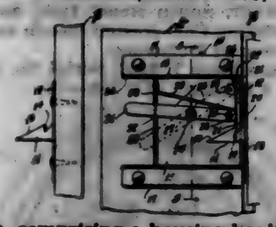


1. In an automatic water valve for water troughs, a depending outlet pipe having a restricted exit forming a valve seat, a sleeve extending below and slidable on said pipe, a pin extending transversely into said sleeve, a valve for the exit carried in the sleeve and resting freely on said pin whereby removal of the pin allows the valve to drop out of the sleeve, and spring means normally urging the sleeve in one direction, said sleeve acting as a discharge pipe for guiding the water from the valve.

2,031,724
FOOD PRODUCT AND ITS MANUFACTURE
William Ayer McKinney, Winnetka, and Heinz C. Lorensen, Chicago, Ill., assignors to Kitchen Art Foods, Inc., Chicago, Ill., a corporation of Delaware
No Drawing. Application February 13, 1932, Serial No. 654,582
6 Claims. (Cl. 99—11)

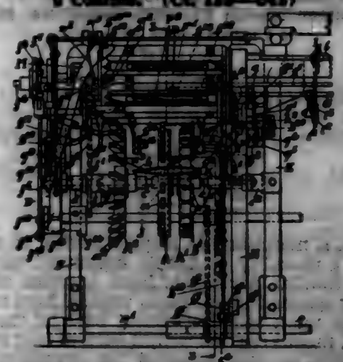
1. The method of making a palatable yeast food product without the use of heat which is characterized by mixing together dry ingredients including dry yeast, sugar and consolidating the same by a small quantity of glycerin which does not substantially affect the sugar so as to avoid excessive hardness in the material.

2,031,725
SCREEN DOOR FASTENER
Adrien R. Meller, Beaumont, Calif.
Application August 3, 1935, Serial No. 683,551
1 Claim. (Cl. 292—173)



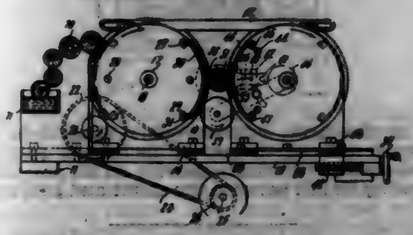
A latch, comprising a housing having side, top, and bottom walls, an end wall having an opening to receive a latch bolt, a plate slidable on said end wall relatively to said opening, a lever pivotally engaging said plate and pivotally mounted in said housing, another end wall spaced from the free edges of the bottom, top and side walls to form a hood, and provided with a slot receiving said lever for manual operation, and a leaf spring secured to the last mentioned end wall and engaging the lever to normally move the plate into latching position, the free end of said lever extending into said hood and the hood providing means for operation of the lever from one end of the housing only.

2,031,726
WEFT REPLENISHING MECHANISM OF LOOMS FOR WEAVING
John Ernest Moore, Manchester, England
Application February 19, 1934, Serial No. 712,038
In Great Britain February 27, 1933
9 Claims. (Cl. 139—343)



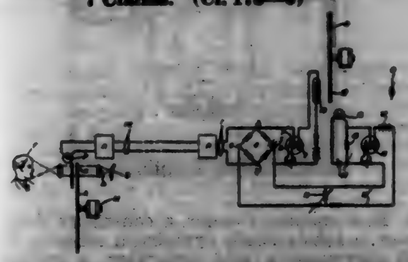
1. In a weft replenishing loom a plurality of connected and movable shuttle holders mounted at one end of the loom, a magazine for loaded shuttle skewers carried adjacent the same end of the loom and adapted to be oscillated with and by the sley of said loom, means for moving said shuttle holders to bring a filled shuttle to weaving position, said means simultaneously moving a shuttle with a used skewer to an ejecting position, said means acting at the same time to bring a shuttle holder with an empty shuttle into a position for being refilled, and means connecting said magazine with said shuttle holders to move said magazine in unison with said holders and without relative movement thereto as the weft is changed.

2,031,727
ROTARY PRINTING MACHINE
Otto Niemand, Long Island City, N. Y.
Application May 11, 1935, Serial No. 21,019
10 Claims. (Cl. 101—38)



1. Printing apparatus, comprising a plurality of spaced rotary cylinders, a base for supporting said cylinders, means on the base for synchronously rotating said cylinders on said base, removable supporting means intermediate the cylinders for holding a cylindrical printable body thereon, and slidable bracing means in connection with one of the cylinders for retaining one end of the cylindrical body on the supporting means in alignment thereon during the printing operation.

2,031,728
ELECTROOPTICAL SYSTEM
Harry Nyquist, Millburn, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 22, 1933, Serial No. 686,306
7 Claims. (Cl. 178—6)



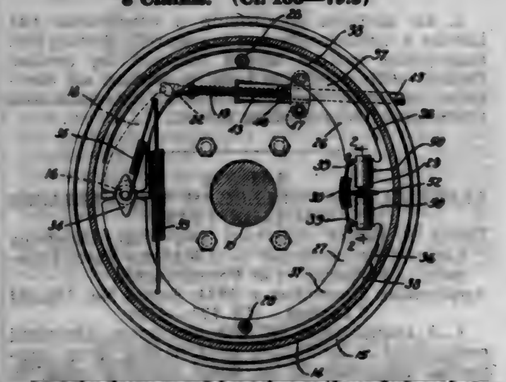
1. An electro-optical receiver comprising a conjugate network, means for supplying incoming image current to one set of conjugate terminals of said network, an amplifier supplied with image current variations produced in one arm of said network, a light source included in the output circuit of said amplifier, means for scanning light supplied by said source to control the production of an image of a field of view, and means for causing the response of said light source to be linearly related to said incoming image current, comprising a light sensitive means supplied with light from said source, means for supplying current variations produced by said light sensitive means to the other conjugate terminals of said network, said last-mentioned means including means for causing the varying current flowing through the image current arm of said network and supplied to said amplifier to be in phase opposition to the incoming image current supplied thereto.

2,031,729
BARREL HEAD FASTENER
George H. Osgood, Tacoma, Wash.
Application November 17, 1932, Serial No. 698,427
1 Claim. (Cl. 217—89)



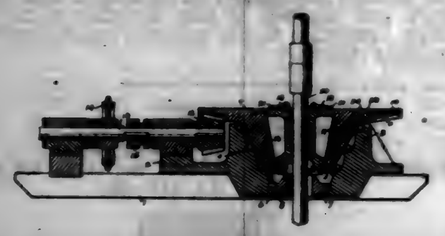
A barrel-closure band for a barrel having a bevelled head and a circumferential groove adjacent to but removed from its end, comprising, a strip of metal adapted to extend around the edge of the barrel, said strip being composed of three sections; the lower section being a narrow inward anchor-flange adapted to lie in the circumferential groove in the barrel; the upper section being a wide inward pressure-flange bent, before being applied to the barrel, at substantially right-angles to the intermediate section; and the intermediate section being, before being applied to the barrel, or larger diameter at its upper edge than at its lower edge; the width of said intermediate section being substantially equal to the distance from the circumferential groove to the lower bevelled edge of the head, whereby when said band is drawn taut around the barrel, said wide flange is bent upwards to lie flat on said bevel surface of the barrel head.

2,031,730
BRAKE
Humphrey F. Parker, Detroit, Mich., and Bryan E. House, South Bend, Ind., assignors to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Original application May 21, 1930, Serial No. 454,250. Divided and this application October 16, 1934, Serial No. 748,482
8 Claims. (Cl. 188—79.5)



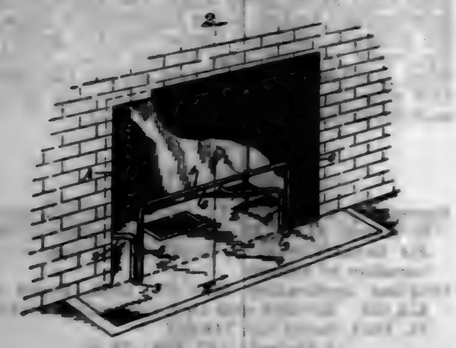
1. A brake comprising shoes, threaded sockets disconnectedly engaging the ends of the shoes, an adjusting member having its opposite ends threaded into said members, and a spring tensioned between the shoes adjacent the sockets and holding the shoes against the sockets.

2,031,731
ROTARY DRILLING MACHINE
Thomas C. Patten, Tyler, Tex.
Application October 23, 1934, Serial No. 749,595
6 Claims. (Cl. 255—23)



4. A rotary drilling machine comprising a base having an opening to receive a vertical pipe, a tubular slip retainer on the base through which the pipe may extend, said retainer being tapered upwardly, and a rotary table on the base having a slip seat above the retainer.

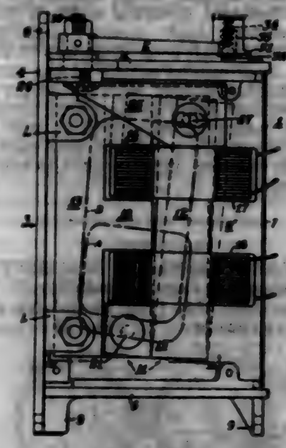
2,031,732
ANDIRON
Francis J. Flynn, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application December 10, 1934, Serial No. 756,789
3 Claims. (Cl. 126—236)



1. An andiron comprising a continuous bar having a downwardly and rearwardly sloping fuel supporting portion and a forward leg portion formed with a reverse bend providing an elongated upwardly opening recess for reception and retention of a protecting screen.

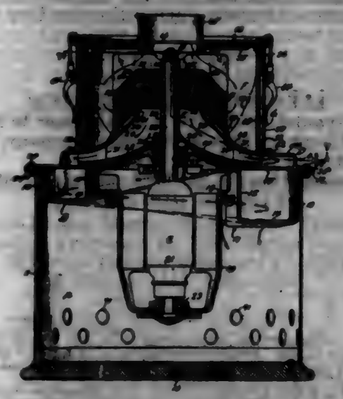
2,031,733
ELECTRIC CONTROLLER OF THE VARIABLE VOLTAGE TYPE
Harry F. Porter, Harrison Township, Allegheny County, Pa., assignor to Allegheny Steel Company, a corporation of Pennsylvania
Application December 4, 1924, Serial No. 755,894
5 Claims. (Cl. 171—119)

1. A transformer of the character described comprising a laminated core having arms connected magnetically at their opposite ends by intermeshing fingers to form a closed magnetic circuit, said arms being movable relative to each other, spaced primary and secondary windings on said core in flux linking relationship to said closed magnetic circuit, and a magnetic shunt disposed between said coil windings and engaging said arms when occupying one position relative to each other to divert sufficient magnetic flux from the secondary winding to effectually dec-



ergize the same, said secondary winding having voltage induced therein of increasing value as said arms are moved to provide an air gap of increasing length between the shunt and said arms.

2,031,734
VACUUM CLEANER
Frederick Bickel, Jr., Dewey M. Dow, and Lachlan W. Child, Toledo, Ohio, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application August 21, 1933, Serial No. 686,102
14 Claims. (Cl. 183—77)



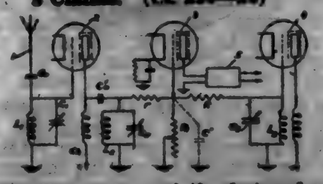
9. In a vacuum cleaner, a centrifuge dust separator, a substantially cylindrical collector casing wall surrounding said separator, a trough located between the lower end of said wall and the bottom of the separator, and lying below said bottom, and a removable shell including an upright wall to fit within said casing wall and an inwardly extending annular trough to fit said casing trough, the inner edge of said annular trough forming a mouth to receive said separator, and of sufficient diameter to clear the separator, said shell being of durable form retaining material, and a liner of cheap disposable material shaped to fit the interior of and received within said shell.

2,031,735
CONTADER CLOSURE APPLYING APPARATUS
Arthur I. Risser, Chicago, Ill., assignor to U. S. Bottlers Machinery Co., Chicago, Ill., a corporation of Illinois
Application December 31, 1934, Serial No. 759,939
20 Claims. (Cl. 226—83)



20. The combination with a screw capping machine having cap feeding means and cap applying means with contractable cap gripping means arranged normally to freely receive a cap therein; said gripping means and feeding means arranged for relative movement into and out of cooperative relation in feeding a cap to the gripping means, of means for engaging under the cap for holding same in the gripping means when same is in cooperative relation with the feeding means.

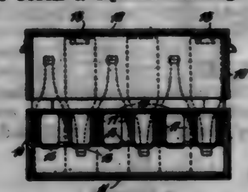
2,031,736
RADIO RECEIVING SYSTEM
Yves Rocard, Paris, France, assignor to La Radiotechnique, Paris, France, a corporation of France
Application January 15, 1932, Serial No. 586,768
In France January 23, 1931
5 Claims. (Cl. 250—20)



1. In a radio receiver of the heterodyne type, the combination of a circuit arranged to be traversed by the radio frequency currents received and having a terminal subjected to a predetermined radio frequency potential with respect to the earth, a generator of oscillations of inaudible frequency having an output circuit, a connection comprising a high ohmic resistance between the output circuit of the said generator and said terminal of the said first-named circuit, a tube having a plurality of electrodes, one of which is an input electrode and a conductive connection between the input electrode of the said tube and an intermediate point on the said resistance.

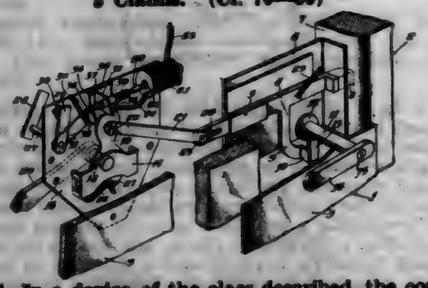
2,031,737
CRATE
Arturo Rosales, Panama, Panama
Application December 6, 1934, Serial No. 756,336
1 Claim. (Cl. 217—29)

In a crate having an enclosing box, a bottle separator comprising two parallel grids each having bottle neck enveloping rings held together by arms having web flanges, the rings of each grid being in registration with each other, with the rings of one grid having openings of smaller diameter than the diameter of the openings of the other grid, each larger ring having a diameter substantially equal to that of the bottle where the neck merges into the body of the bottle and each smaller ring having a diameter substantially equal to that of the neck near the tip of the bottle, webs within the web flanges of each grid and separating the two grids from each other, and disposed to form a square having a length and



breadth substantially equal to the diameter of the body portion of the bottle intended to be placed therein, whereby the crate when placed within the box is adapted to receive a first series of bottles resting on the bottom of the box in upright position and held within said squares by the outer periphery of the rings and out of contact with the webs, and to receive a second series of bottles in inverted position with the tips of the bottles extending through the smaller rings but out of contact with the bottom of the box, with the minimum of space between the first and second series of the bottles.

2,031,738
MAGNETICALLY RELEASABLE LATCH
Fred C. Schoch, Oak Park, Ill.
Application October 29, 1934, Serial No. 750,447
5 Claims. (Cl. 70—59)

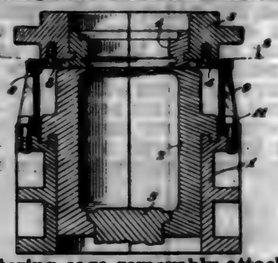


1. In a device of the class described, the combination of a slidable automobile door latch bolt with means for moving said latch bolt from latching position, comprising a handle operated arm operatively connected to said latch bolt, means for restraining movement of said arm comprising a spring operated swingable lug, means for manually disposing said lug adjacent said arm, and magnetic means for releasing said lug whereby said lug acting under the influence of said spring swings from its position adjacent said arm.

2,031,739
MOLD ALIGNING APPARATUS
Hosea Shaffer, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application November 26, 1934, Serial No. 754,966
2 Claims. (Cl. 49—69)

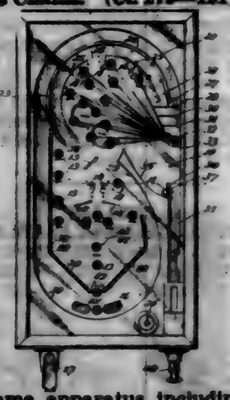
1. Mold aligning apparatus including a partible neck ring, a neck ring holder in which the neck

ring halves are mounted, a partible blow mold below the neck ring, a blow mold holder in which the blow mold halves are mounted, a centering ring removably attached to the neck ring holder,



and a centering cage removably attached to the blow mold holder and adapted to embrace the centering ring when the neck ring and blow mold are closed.

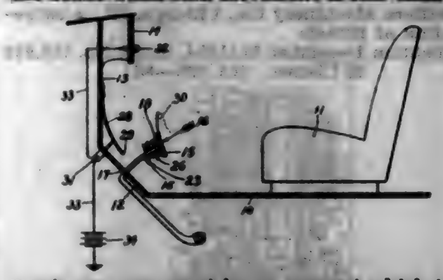
2,031,740
GAME
Kenneth C. Shyvers, Chicago, Ill.
Application September 26, 1935, Serial No. 42,319
6 Claims. (Cl. 273—121)



1. In a game apparatus including a playing board having a plurality of scoring pockets provided with numerical designations within which a projectile may be deposited, those pockets disposed adjacent the upper portion of the board bearing the higher numerical designations, means for projecting a projectile onto the playing board including a projecting chute, and means on said board including a guide and a plurality of barriers arranged to cause the projectile projected onto the playing board to travel a substantially S-shaped path, means provided adjacent the end of said path for causing the projectile to emerge therefrom to move to a position on the playing board which will place it in the path of travel of the next succeeding projectile as the latter emerges from the projecting chute, whereby the first projectile may be struck by the second projectile for deflecting it in the direction of scoring pockets bearing high numeral designations.

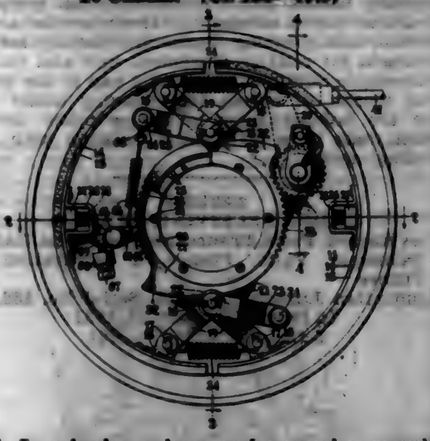
2,031,741
INDICATOR
George L. Smith, Washington, D. C., assignor to United States Ordnance Company, Washington, D. C., a corporation of Virginia
Application October 4, 1935, Serial No. 43,586
7 Claims. (Cl. 177—311)

1. In an operating mechanism for a vehicular internal brake, a brake pedal, a stop limiting the maximum brake applying movement of the pedal, and signal means positioned to be operated during the movement of said pedal in applying the brake when said movement is less than said



maximum movement by an amount which is insufficient to permit proper application of the brake when its drum has expanded due to heating.

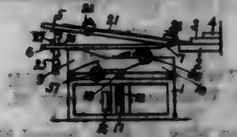
2,031,743
SELF-ADJUSTING BRAKE
Hugh Smith, Buffalo, Joseph Schiedel, Hamburg, and Arthur B. Asbury, Buffalo, N. Y.
Application December 28, 1931, Serial No. 583,444
20 Claims. (Cl. 188—79.5)



1. In a brake, a drum and a member movable toward or away from the drum into or out of braking engagement therewith, an element rotatable in one direction for moving the member into braking engagement, an actuating element movable to rotate the rotatable element in said one direction, teeth carried by said rotatable element, a pivoted pawl having a tooth engageable with said teeth, resilient means for urging movement of said pawl to rotate said rotatable element in a direction opposite to said one direction, and means for limiting said movement of the pawl, said last mentioned means being manually adjustable to vary the limits of movement of the pawl.

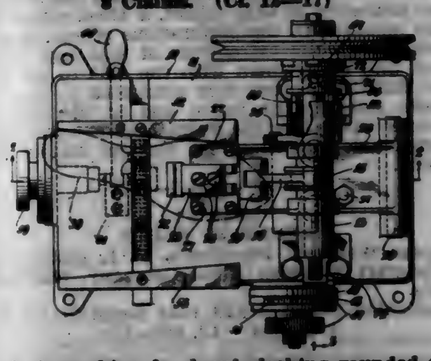
2,031,742
GLASS BEVELING MACHINE
Ray B. Smith, Tacoma, Wash.
Application March 27, 1934, Serial No. 717,582
5 Claims. (Cl. 51—122)

1. A glass beveling machine of the class described, comprising a reciprocating glass carrying table, carriage rails supporting said table on a rigid frame structure, power means for automatically imparting a reciprocating movement of said table on said carriage rails, a series of glass grinding wheels beside said reciprocating table, means for so adjusting said table laterally, that a plate of glass carried thereon will consecutively contact each of said grinding wheels operatively



mounted beside said table, and said grinding wheels pyramided one above the other for consecutively grinding and finishing a bevel on the edge of a plate of glass carried on said reciprocating glass carrying table.

2,031,744
CUTTING MACHINE
John Frederick Smith, Quincy, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application June 7, 1934, Serial No. 729,403
8 Claims. (Cl. 12—17)



1. A machine for bevel slashing rounded sole blanks comprising a base providing a support for the blanks, a knife slidably mounted over said base for reciprocation into the blank, and gage means for fixing the position of a given blank with respect to said knife, said means comprising selectively usable right and left side gages each adapted respectively to contact two points on the same side of a right or left blank, and a toe gage, said side gages being mounted on a common sliding bar, and means for adjusting said bar laterally selectively to accommodate right or left blanks of varied sizes.

2,031,745
COMBINATION AIR AND SPRING CUSHION SEAT AND THE LIKE
Maurice Stubnitz, Pittsburgh, Pa., assignor to Fort Pitt Bedding Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 11, 1933, Serial No. 675,610
9 Claims. (Cl. 155—180)



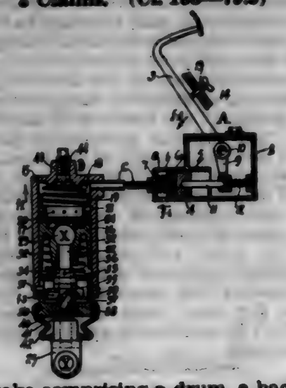
1. A spring cushion seat and the like comprising a lower border frame, cross bars bridging sides of said frame, a bottom plate resting on said cross bars, a spring assembly resting on said bottom plate, tongues struck out from the ends of said cross bars, said tongues being bent over the lower edges of the spring assembly and bottom plate to clamp the assembly and the plate to the cross bars, stuffing on top of the spring assembly and a cover over the stuffing, and extending down the sides of the seat to the lower border frame and secured thereto.

2,031,746
LAMP, TUBE AND SIMILAR DEVICE
Ralph B. Thomas, Salem, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application May 15, 1934, Serial No. 725,709
8 Claims. (Cl. 176—32)



1. An electric device of the character described comprising an envelope sealed to a stem, the area adjacent the seal having a circumferential shoulder and a cylindrical portion adapted to receive a base, the elements of the cylindrical portion being substantially parallel to the longitudinal axis of the lamp, said area also being provided with an annular channel and a plurality of circumferential locking ribs separated by V-shaped notches.

2,031,747
BRAKE
Robert Charles Louis Pierre Turgot, Saint Etienne de Cuines, Savoie, France, assignor, by mesne assignments, to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Original application June 23, 1931, Serial No. 546,242. Divided and this application March 9, 1934, Serial No. 714,802. In France June 22, 1930
2 Claims. (Cl. 188—79.5)



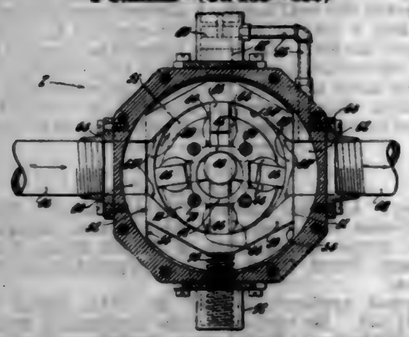
1. A brake comprising a drum, a backing plate, a friction member, a support on the backing plate, a threaded rod longitudinally slidable to apply the friction member to the drum, a threaded sleeve connected to the friction member into which sleeve the threaded end of the rod is adapted to be screwed, a toothed collar secured to the rod, a second toothed collar slidable on and rotatable on the rod, and links pivotally connected to the support and to the second collar.

2,031,748
PIANO KEYBOARD
Frederick A. Vietor, Great Neck, N. Y.
Application May 18, 1934, Serial No. 726,196
9 Claims. (Cl. 84—433)



1. A piano key having a balance rail pin opening at a point intermediate the ends thereof, at least one relatively heavy weight secured to the key at a point closely adjacent said opening and positioned at a point spaced outwardly of the opening, and at least one lighter fine adjustment weight disposed at a point spaced outwardly of the heavier weight to obtain a low moment of inertia at the commencement of the depression and rebound of the key.

2,031,749
POWER TRANSMISSION APPARATUS
Edwin E. Vincent, Springfield, Mass.
Application December 16, 1932, Serial No. 647,631
3 Claims. (Cl. 185—136)

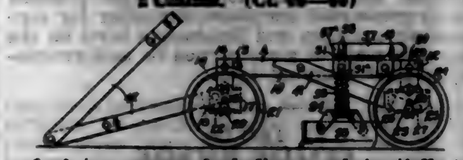


1. An apparatus of the class described comprising in combination, a housing, a cylinder slidable therein having a central cylindrical bore, a rotor journalled in said housing having a central axial opening and with radially disposed slots extending into said central opening, ring-like sections at opposite sides of the rotor adjacent the central opening closing the radial slots at opposite sides adjacent the inner ends thereof, a substantially rigid floating member in said central opening of the rotor, pairs of guide members oscillatable at opposite sides of said slots, blades between said members having inner concave ends engaging and slidable on said floating member and outer convex ends slidable in the bore of the cylinder, the lower end portions of said blades being relatively narrower than the upper portions thereof whereby the opposite sides thereof are slidable on the inner sides of said ring-like sections so that the said blades are held against sidewise movements.

2,031,750
METHOD FOR PURIFYING TITANIUM SUB-OXIDE MATERIALS
Foord von Bichowsky, Cleveland, Ohio, assignor to Krebs Pigment and Color Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 23, 1935, Serial No. 7,823
6 Claims. (Cl. 23—202)

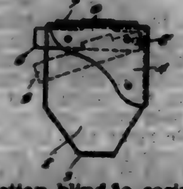
1. Method for purifying titanium sub-oxide containing materials by acting upon the therein contained siliceous impurities with substances capable of reacting with the impurities to form compounds containing fluorine, under such conditions as not to appreciably attack the titanium compounds, and removing the so formed fluorine compounds.

2,031,751
TOY ROAD SCRAPER
John V. Watt and Anthony M. Watt, Waterford, N. J.
Application May 1, 1935, Serial No. 19,872
2 Claims. (Cl. 46—46)



1. A toy scraper including a substantially triangular frame having parallel rear end portions, a U-shaped bracket having its legs upstanding and connected to said portions, a bolster supporting said bracket, down-turned perforated legs connected to said bolster, a wheel supported axle mounted in the perforations of said down-turned legs, the extremities of said legs being bent into engagement with the axle to prevent rotation thereof, members connected to the opposite sides of the frame and to the axle, a scraper carried by the frame, and a wheel supported axle pivoted to the forward end of the frame.

2,031,752
VENETIAN BLIND
George Woodruff, Providence, R. I., assignor to Aircraft Venetian Blind Company, Hazleton, Pa.
Application September 18, 1934, Serial No. 744,571
2 Claims. (Cl. 156—17)



1. In a Venetian blind, a casing for receiving the upper portion of the blind, a bracket adapted to be connected to the upper portion of a window frame, the bracket having a horizontal flange provided with a keeper recess, a member connected to the top part of the casing at an end thereof and having a portion spaced from the casing, the space receiving the horizontal flange of the bracket and a latch member pivoted to the end of the casing and having a part for engaging in the keeper recess of the bracket when the latch member is in operative position.

2,031,753
RUBBER HEEL
Frank P. Wright, Long Beach, Calif.
Application September 6, 1934, Serial No. 742,590
1 Claim. (Cl. 36—75)

In a rubber heel the combination of: a rubber heel body, having an upper attaching face and a lower wearing face, and nail holes formed in said wearing face spaced inwardly substantially equal distances from the outer edge of said body; washers embedded in said body about said nail holes; a block of metal embedded in said body to conform with a portion of the rear outer edge of said body to one side of the center of said body and having



its lowermost surface lying in the plane of said wearing face, said block at its ends overlapping an adjacent pair of said washers; and means for connecting said block to said washers.

2,031,754
EXTENSIBLE COUPLING
Joseph Milla Bacigalupi, Oakland, Calif., assignor to Ernest J. Sweetland, Piedmont, Calif.
Application November 4, 1932, Serial No. 641,211
10 Claims. (Cl. 239—66)



1. Lawn sprinkling means of the imbedded type comprising a sleeve member with a removable sprinkler nozzle carried thereby, an internally threaded nipple forming a sliding fit within said sleeve member, a hollow screw fitting carried by said nipple within said sleeve and accessible from the lawn surface when said nozzle is removed, an expansible ring surrounding said screw fitting and abutting against said nipple, said screw fitting having an upper portion of larger diameter than the threaded portion, said upper portion being constructed and arranged to expand said expansible ring against said sleeve member when the screw fitting is advanced into the thread of said nipple.

10. Coupling means for uniting tubular members comprising a pair of telescopically fitted tubular members, an internal thread formed on the smaller of said tubular members, a hollow plug having an external thread to engage said internal thread, said plug having an upper enlarged shoulder constructed and arranged to engage and expand an annular sealing element adjacent one end of said smaller tubular member against the inner wall of the larger tubular member to hold said telescopic elements in sealed engagement with each other.

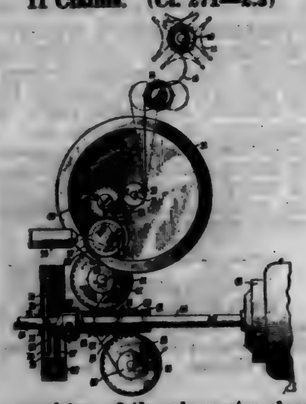
2,031,755
COMBINED SALT AND PEPPER SHAKER
Charles L. Baranowski, South Bend, Ind.
Application April 4, 1935, Serial No. 14,762
5 Claims. (Cl. 65—45)

1. A shaker of the class described having a dispensing opening, a valve for said opening comprising a U-shaped member pivotally mounted, one arm of said member normally closing said opening, means engaging the light of said



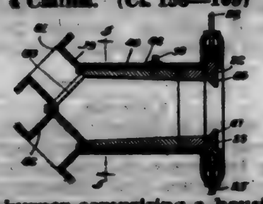
member and urging closing movement of said valve, and a weight on the other arm of said valve to assist opening of the valve incidental to shaking.

2,031,756
FILM FEEDING MECHANISM FOR FILMS HAVING SOUND TRACK
Ewald Boecking, Brooklyn, N. Y., assignor to International Projector Corporation, New York, N. Y., a corporation of Delaware
Application March 8, 1934, Serial No. 714,571
11 Claims. (Cl. 271—2.3)



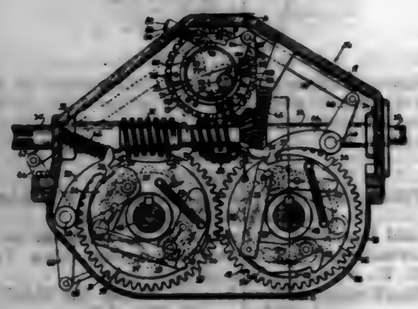
1. In a machine of the character described for feeding a film at constant speed past a fixed point, means for imposing a friction drag on said film, means for edge guiding the film immediately in advance of said point, an idler sprocket operatively interposed between the first-named means and the second-named means, and means to cause the film to travel into and out of engagement with each of said means.

2,031,757
APPARATUS FOR BURNING FUEL
Arthur J. Boynton, Winnetka, Ill., assignor to H. A. Brassert & Company, Chicago, Ill., a corporation of Illinois
Application December 29, 1933, Serial No. 704,390
4 Claims. (Cl. 158—100)



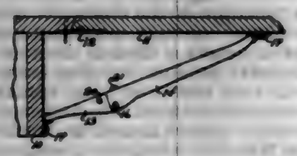
1. A gas burner comprising a housing, similar hollow sections of heat resisting material in said housing in reversed arrangement whereby air and gas may be introduced into the burner from different directions through adjacent sections of the heat resisting material.

2,031,758
TRACTOR
Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 5, 1930, Serial No. 449,859
Renewed January 5, 1934
31 Claims. (Cl. 97—51)



1. The combination with a tractor, of power take-off mechanism associated with the tractor comprising two power operated devices comprising driving and driven parts adapted to transmit energy to separate implement parts, means for causing actuation of the driven part of one of said power devices, and means for causing operation of the driven part of the other of said power devices in timed sequence thereto, said driving parts being associated together whereby one device derives its power from the other.

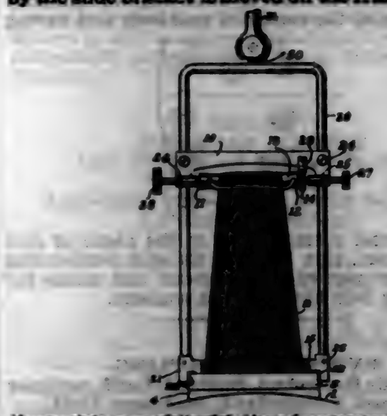
2,031,759
TABLE LEAF SUPPORT
Frank L. Casper, Howes Cave, N. Y.
Application October 10, 1933, Serial No. 693,030
9 Claims. (Cl. 211—64)



1. The combination with a hingedly mounted member and its support, of a brace comprising a pair of pivotally connected sections pivotally mounted on the hinged member and support, a resilient element connecting said sections to assist the latter to assume an end to end relation as said hingedly mounted member is raised, and pivoted means carried by the brace and actuated by said resilient element for effectively latching said sections in end to end relation.

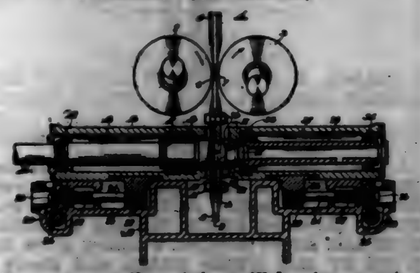
2,031,760
HAIR CURLING DEVICE
Thomas N. Coffelder, Pittsburgh, Pa.
Application December 13, 1934, Serial No. 757,325
2 Claims. (Cl. 132—33)

1. A hair curling device comprising a clamp, a bifurcated frame having its ends in engagement with said clamp, a slide bracket in frictional engagement with said frame, and a spool interchangeably mounted on said guide bracket and clamp, means on said spool for clamping strands of hair, and means for rotating said spool whereby the slide bracket is moved on the frame against



the resistance of its frictional engagement therewith and in the direction of the clamp.

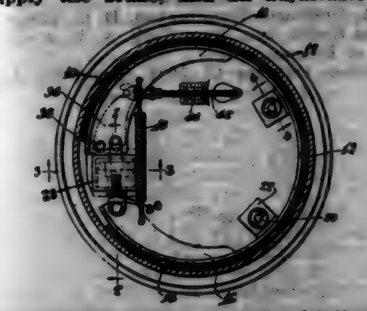
2,031,761
DEMOUNTABLE GUIDE DISK FOR CROSS ROLLS
August P. Diescher, Pittsburgh, Pa., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa., a corporation of Delaware
Application November 29, 1933, Serial No. 700,170
7 Claims. (Cl. 308—58)



1. In a cross-rolling tube mill having a pair of cross-rolls, a driving shaft extending transversely of the pass line of the mill at one side of the cross-rolls, axially movable bearing means for said shaft, a removable guide disk member detachably mounted on said shaft at the inner end thereof beyond said bearing means and extending between the cross-rolls for peripherally engaging tubes passing through the mill, supporting means for the inner end of said shaft beyond said disk member, and means for moving the shaft bearing means axially for adjusting the disk member axially relatively to the cross-rolls and for withdrawing the shaft from said supporting means and from the disk member to permit the disk member to be removed transversely of the shaft.

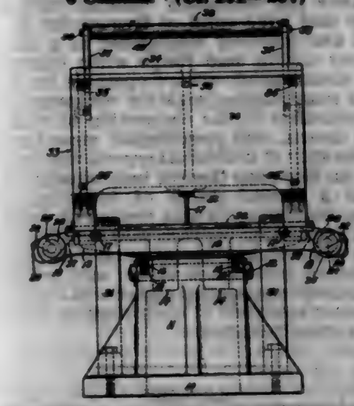
2,031,762
BRAKE
Adiel Y. Dodge, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application July 21, 1930, Serial No. 469,522
23 Claims. (Cl. 188—78)

1. A brake structure comprising, in combination, a drum, a fixed anchor member at one side of the drum, a floating expansible handlike friction device having one of its separable ends confined within the anchor member, applying means outside of the anchor for forcing said ends apart to apply the brake, and an adjustable thrust



member forming the end of the friction device extending through the anchor and engaging both the anchor member and said applying means.

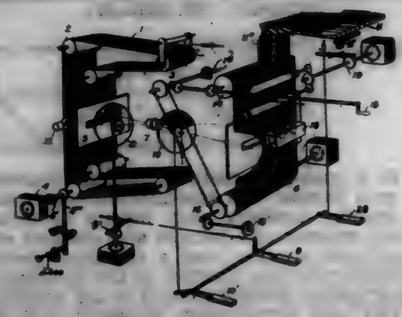
2,031,763
MARKING MACHINE
Charles F. Eaton, West Newbury, Mass., assignor, by mesne assignments, of one-half to North American Holding Corporation, Syracuse, N. Y., a corporation of New York, and one-half to Parshad Holding Corporation, Syracuse, N. Y., a corporation of New York
Application December 2, 1933, Serial No. 700,665
6 Claims. (Cl. 101—297)



1. A marking machine comprising a base, a substantially horizontal work-bed mounted on the base and adapted to support an embossing plate and the blank to be marked, and a platen pivotally supported by the base on a horizontal axis adapted to be swung downwardly into marking relation to the work-bed and upwardly away from the work-bed to afford free access to the work-bed, unobstructed by the platen, for arranging the work thereon and an adjustable stop screw mounted on the platen near the free end thereof and adapted to cooperate with the work-bed to limit the movement of the platen toward the work-bed and a spring-passed latch mounted on the platen and arranged to engage the stop screw to lock it against accidental displacement.

2,031,764
PHOTOELECTRIC MUSICAL SYSTEM
Ivan Eremeeff, Philadelphia, Pa.
Application March 15, 1934, Serial No. 715,656
27 Claims. (Cl. 84—1)

1. A photoelectric musical system, comprising a console for housing electrical tone generating units and an electrical tone reproducing unit, all having a common amplification and sound emitting system, each of said electrical tone generating units comprising an individual standard keyboard, a bank of shutters, each of said shutters in said bank being individually connected to its own co-operative key in said keyboard, a set of diminishing rollers for supporting and individually closing each of said shutters in said bank, automatic means for individually closing said shutters, a pedal operated speed control for varying the revolutions of all diminishing rollers in said set, means for connecting and disconnecting the diminishing means, a light source, a stationary single aperture light limiting mask in the front of said light source, a single optical system for the projection of light of said light source, in predetermined variable amounts, onto a photoelectric element, a photoelectric element, a stationary light limiting single aperture mask in front of said photoelectric element, a uniformly repeating light scanning pitch means operating in conjunction with said optical system, a synchronous motor for driving said scanning pitch means and maintaining international pitch, means for varying the speed of said scanning pitch means for flattening and sharping the international musical pitch, a stationary preadjustable quality belt mask for selectively and individually modulating the intensity of said predetermined pulsating light energies which are



produced by said scanning and projecting pitch means, said quality belt mask comprising a plurality of different specially and synthetically prepared sections, each of said sections having a predetermined number of vertical rows of translucent patterns and apertures of predetermined shapes and sizes, manual means for preadjusting any of said different sections in said quality mask in register with said scanning pitch means, swell pedal means, tremolo pedal means for controlling the increase and decrease in intensity in predetermined selective beats, per predetermined fraction of time, in said light energy, means for indicating and registering the amount of light energy impressed on said photoelectric element, said electrical tone reproducing unit comprising a keyboard, a bank of shutters, each of said shutters in said bank being individually connected to its own co-operative key in said keyboard, a set of diminishing rollers for supporting and individually closing each of said shutters in said bank, automatic means for individually closing said shutters, a pedal operated speed control for varying the revolutions of all said diminishing rollers in said set, means for connecting and disconnecting said diminishing means, a light source, a stationary single aperture light limiting mask in the front of said light source, a single optical system for the projection of the light of said light source in variable amounts onto a photoelectric element, a photo-

electric element, a stationary light limiting single aperture mask in front of said photoelectric element, a multi-track belt record, with a plurality of parallel tracks recorded and synthetically prepared, each of said tracks representing a record of predetermined musical tones of predetermined quality and pitch, each of said tracks predeterminedly co-operating with its own key in said keyboard in conjunction with said single optical system, which is common to all tracks, a synchronous motor for driving said multi-track record at a uniform speed for perfect tuning with said electrical tone producing units for maintaining international pitch of the musical tones, means for selectively changing the speed of drive of said multi-track record for playing said record in different musical keys, swell pedal means, tremolo pedal means for controlling the increase and decrease in intensity of predetermined selective beats per predetermined fraction of time in said predetermined light energy, and a common amplifying and sound emitting system for said electrical tone producing units and said electrical tone reproducing unit.

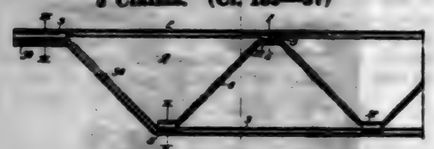
2,031,765

METALLIC STRUCTURAL FRAMEWORK

John Ashley Ferguson, Pittsburgh, Pa., assignor of one-third to Thomas B. Sturgus, Pittsburgh, Pa.

Application April 19, 1933, Serial No. 666,143

5 Claims. (Cl. 189—37)



4. In a built-up structural unit, the combination with flanged and side-grooved compression and tension members each having continuous rounded grooves, of a flanged and rounded side-grooved web member, and a clamping member for securing the web member to the compression member having flanges entered in the grooves of the web and compression members and said clamping member clamped thereto.

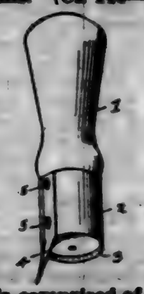
2,031,766

CORING KNIFE

George D. Gardner, San Jose, Calif., assignor to Herbert Edward Gray, San Jose, Calif.

Application August 15, 1932, Serial No. 629,277

2 Claims. (Cl. 146—83)



1. A coring knife comprised of a handle having a blade projected from a closed end thereof at an angle outwardly to the axis of said handle; and an annular shoulder on an end of the handle concentric with the axis thereof and adjacent the root end of the blade to penetrate into the article to be cored to center the knife as it is rotated.

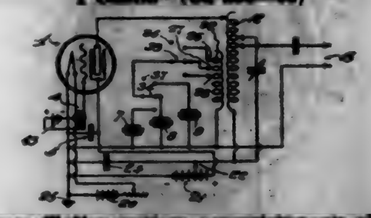
2,031,767

ELECTROMECHANICAL OSCILLATOR CIRCUIT

Louis A. Gebhard, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware

Application October 15, 1932, Serial No. 638,011

1 Claim. (Cl. 250—36)



An oscillation system comprising, an electron tube having anode, screen, control and cathode electrodes therein, circuit means connected with said electrodes for producing negative resistance oscillations, said circuit means including a resonant circuit comprising an inductance connected between said anode and said cathode, said resonant circuit being adjustable to different values for cooperating with said tube to produce and maintain negative resistance oscillations within a wide band of frequencies, a second inductance provided with a plurality of taps connected individually with a plurality of contacts, piezoelectric means selectively connectible with said tapped inductance for selectively causing said oscillations in said wide band of frequencies to be restricted and precisely maintained at a particular frequency within said range when desired, said circuit means being always operable for producing and maintaining negative resistance oscillations regardless of the connection of said piezoelectric means, said piezoelectric means comprising a plurality of individual crystal vibrators each having an electrode thereof individually connected with a second group of contacts, selector switches individual to said groups of contacts, a tandem connection between said switches for permitting any selected crystal to be connected with any selected inductance value, said inductances being inductively coupled and means for connecting another electrode of each vibrator to one end of said second inductance.

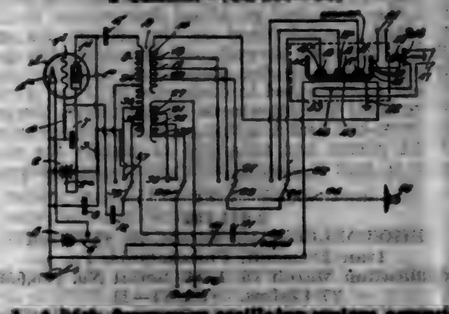
2,031,768

ELECTROMECHANICAL OSCILLATOR CIRCUIT

Louis A. Gebhard, Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware

Application October 15, 1932, Serial No. 638,012

2 Claims. (Cl. 250—36)



1. A high frequency oscillator system comprising an electron tube including a cathode, control grid, anode and shield grid electrodes, an oscillation circuit for said tube, an inductance coil having means connectable between said control grid and said anode, a multiplicity of piezoelectric crystal elements each having a grounded and an ungrounded electrode, a coupling coil coupled with said inductance coil, an effective connection between one side of said coil and said grounded electrodes, tapped connections extending from the inductance coil, separate tapped connections extending from said coupling coil, a plurality of switch contacts and connections extending therefrom to the ungrounded electrodes of said piezoelectric crystal elements and means including said tapped connections for selectively connecting a particular piezoelectric crystal element with a portion of said coupling coil and simultaneously including a portion of said inductance coil in said oscillation circuit for adjusting said oscillation circuit for maintaining oscillations at a particular frequency.

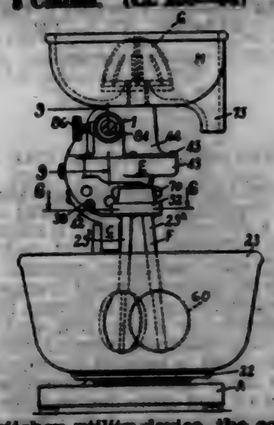
2,031,769

KITCHEN UTILITY DEVICE

Alfred C. Gilbert, North Haven, and Arthur A. Arnold, New Haven, Conn., assignors to The A. C. Gilbert Company, New Haven, Conn.

Application November 25, 1932, Serial No. 644,293

3 Claims. (Cl. 259—84)



1. In a kitchen utility device, the combination of a base, a pedestal rising therefrom, a bracket pivoted to the pedestal, a motor on the bracket and having a horizontally arranged shaft, a gear housing carried by the motor casing and extending across one end of the motor casing in a position to overhang the base, gears in said housing driven from the motor shaft, a vertical shaft in the gear housing driven by said gears and having a bearing depending from the gear housing, a second gear housing surrounding said bearing and secured thereto, intermeshing agitator shaft gears in said second gear housing, agitator shafts depending from said gears, and a gear member on the lower end of said vertical shaft and within said second gear housing meshing with one of the agitator shaft gears to drive the same.

2,031,770

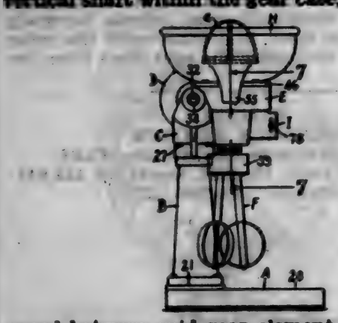
KITCHEN UTILITY DEVICE

Alfred C. Gilbert, North Haven, and Arthur A. Arnold, New Haven, Conn., assignors to The A. C. Gilbert Company, New Haven, Conn.

Application December 30, 1932, Serial No. 649,961

9 Claims. (Cl. 259—121)

1. In a device such as described, the combination of a base, a pedestal rising therefrom, a bracket on the pedestal, a motor on the bracket, a gear case adjacent one end of the motor, a vertical shaft in said gear case, an agitator driven from the lower end portion of said vertical shaft and adapted to stir the contents of a receptacle supported on the base, a gear element on said vertical shaft within the gear case, gearing interposed between said gear element and the motor shaft, and a power shaft arranged transversely with respect to the bracket and driven from said vertical shaft and having a socket associated therewith for the connection of various accessory appliances, said power shaft being located in a plane below the plane of the motor shaft.



2,031,771

TEMPLE FOR EYEGLASSES

Frank L. Grier, Milford, Del.

Application November 1, 1934, Serial No. 751,058

3 Claims. (Cl. 88—52)



1. A combined drag and bearing member for temples for eyeglasses comprising a live rubber ferrule positioned at the curve of the temples and having its outer surfaces decreasingly tapered from the rear to the front end, and having its lower surface conforming to the curvature of that portion of the ear which it engages.

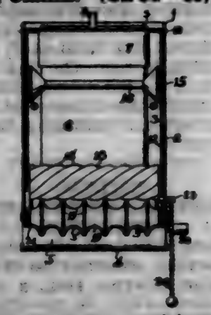
2,031,772

TOILET PAPER HOLDER AND DISPENSER

Frank J. Hall, San Francisco, Calif.

Application March 15, 1935, Serial No. 11,239

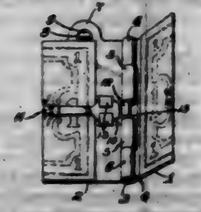
4 Claims. (Cl. 91—46)



1. A lavatory fixture comprising a casing having a liquid receptacle at the bottom thereof, means in the casing for supporting a roll of paper, roller means movably supported above the

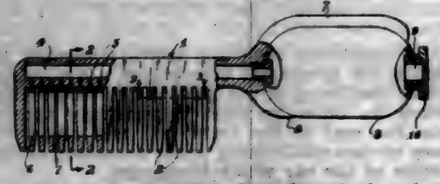
liquid in the receptacle having its underneath side in contact with a sheet supplied from the roll, spring means yieldably holding the roller means above the liquid in the receptacle, manually movable means extending externally of the casing for depressing the roller means, whereby the sheet may be brought into contact with the liquid in the receptacle, and means normally maintaining the sheet in contact with the roller means and for delivering the said sheet from the casing.

2,031,773
CURRENCY HOLDER
Robert L. Halperin, Los Angeles, Calif.
Application October 16, 1931, Serial No. 568,042
13 Claims. (Cl. 206—37)



1. A currency holder comprising hinged members, a spring arm connected to one of said members and having its free end opening toward the free end of the hinged member to which it is connected and adapted to engage and retain notes folded about said members.

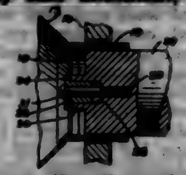
2,031,774
FOUNTAIN COMB
Lewis Helfrich, William Helfrich, and Oscar H. Corrington, Akron, Ohio
Application December 10, 1934, Serial No. 756,884
3 Claims. (Cl. 132—13)



1. In a device of the class described, a body portion having a conduit and provided with teeth, said body portion and said teeth being hollowed out, ports leading from said conduit to said teeth, each of said teeth having one outlet opening extending through the entire width of the teeth, the opening of every other tooth only being on line with each other and arranged substantially near the said conduit and the opening of the other teeth only being on line with each other and arranged substantially near the tips of said teeth so there will be a staggered relationship between the first and second mentioned set of teeth, and a flexible reservoir for holding a liquid attached to said body portion.

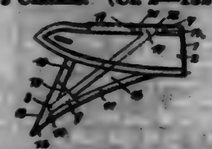
2,031,775
ELECTRODYNAMIC SOUND REPRODUCING APPARATUS
Donald Thomas Hinchen, Sydney, New South Wales, Australia, assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Arizona
Application April 28, 1934, Serial No. 722,932
5 Claims. (Cl. 179—115.5)

5. In a securing means for an inside type of centering spider for an electrodynamic cone diaphragm, the combination of a center pole piece having an abutment formed upon the projecting end thereof, a diaphragm having an annular actuating coil disposed about said pole piece, a flexible transversely extending coil centering member secured to said diaphragm and at one side engaging said abutment, securing means



adapted to engage the other side of said centering member at its center having a portion which extends through the centering member and engages said abutment with a splined connection, and a screw threaded means for securing said means against the centering member and clamping said member upon said abutment.

2,031,776
STIFFENING OF DOUBLE COLLARS
Robert Hönigsberg, Vienna, Austria
Application February 7, 1935, Serial No. 5,439
In Germany February 9, 1934
2 Claims. (Cl. 2—132)



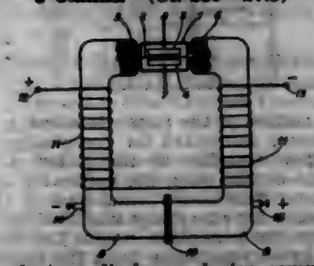
1. A folded collar including a neckband and an outer fold connected with said band and having front tips, a stiffening member, a support for one end of said stiffening member at each tip of the outer fold, each stiffening member extending obliquely to the tip of the collar, a cross piece carried by the terminal of the stiffening member disposed adjacent the collar fold and extending obliquely to the stiffening member with the acute angle at the front, a support for said cross piece locking the latter against accidental withdrawal, the portion of said stiffening member lying between said supports being freely disposed.

2,031,777
CAR TRUCK
George T. Johnson, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application April 26, 1931, Serial No. 533,543
7 Claims. (Cl. 105—221)



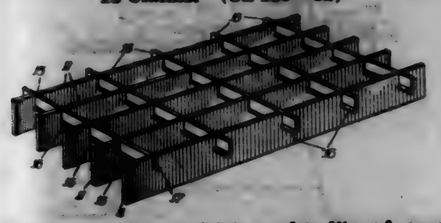
1. In combination, a pedestal type side frame for car trucks having depending jaws and a transverse web at the upper ends of the same, stop flanges connecting the jaws and web and cooperating with the same to form pockets, a journal box having upper lugs extending into said pockets, and a retaining plate secured to the lower end of one of said jaws and bearing against the bottom of the journal box, said retaining plate having stop flanges and substantially vertical walls forming pockets.

2,031,778
MAGNETRON
Wilhelm Eberhard Köhler, Dietrich Prins, and Felix Henrique, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 29, 1935, Serial No. 36,949
In Germany July 5, 1934
3 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an elongated evacuated envelope containing a straight thermionic cathode extending thru opposite ends of said envelope and an anode, magnetic poles positioned close to the ends of said envelope to provide a magnetic field parallel to said cathode, said poles being electrically insulated from each other and connected to opposite ends of the thermionic cathode to serve as current leads for said cathode.

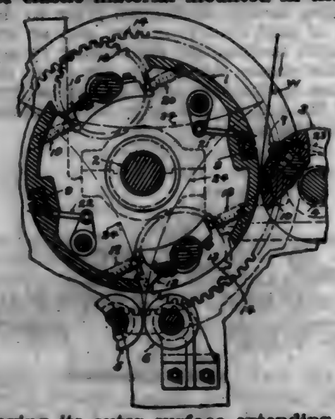
2,031,779
GRATING AND METHOD OF MAKING SAME
Walter F. Ladd, Gary, Ind.
Application June 29, 1933, Serial No. 678,144
12 Claims. (Cl. 189—32)



1. A grating comprising a plurality of spaced parallel main bars having slots therein communicating with their edges and cross bars disposed within said slots, each of said cross bars having portions turned from the plane of said cross bar and abutting adjacent side faces of adjacent main bars.

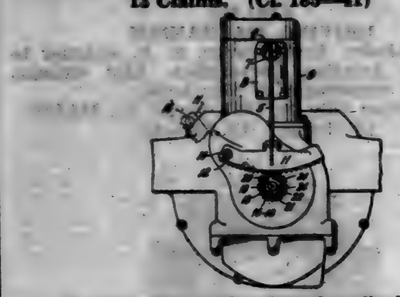
2,031,780
ROTARY CUTTING AND FOLDING MECHANISM FOR PRINTING MACHINES
Frederick Lamatsch, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York; Irving Trust Company, New York, N. Y., permanent trustee
Application February 19, 1932, Serial No. 593,963
1 Claim. (Cl. 270—77)

A cutting and folding mechanism including a folding cylinder and a cutting cylinder, web cutting means mounted in the peripheral portions of the cylinders and coacting to cut the web into separate sheets, pins operably carried by the folding cylinders to temporarily hold the leading edge of the web and sheets, folding rollers operably mounted adjacent the folding cylinder, a folding blade operably carried by the folding cylinder and adapted to cooperate with the folding rollers to fold the sheets from the folding cylinder, a socket formed in the cutting cylinder in advance of and immediately adjacent the cutting means, a soft yieldable nipper formed entirely of elastic material mounted in the socket



and having its outer surface extending radially beyond the periphery of the cutting cylinder to engage the web and sheets, this outer surface being parallel to the peripheral surface of the cutting cylinder and coextensive with the greatest transverse dimension of the nipper.

2,031,781
ENGINE STARTING APPARATUS
Raymond P. Lansing, Montclair, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application September 28, 1931, Serial No. 565,646
13 Claims. (Cl. 185—41)

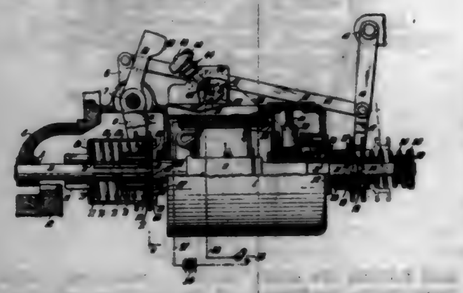


1. In apparatus of the class described, a driven member to be rotated, means for imparting stored energy to said driven member in successive impulses, said means comprising a resilient member mounted to oscillate as a pendulum, and means for drivably connecting the oscillating end of said resilient member to said driven member.

2,031,782
ENGINE STARTING MECHANISM
Raymond P. Lansing, Montclair, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application October 30, 1931, Serial No. 572,210
Renewed March 11, 1935
20 Claims. (Cl. 290—38)

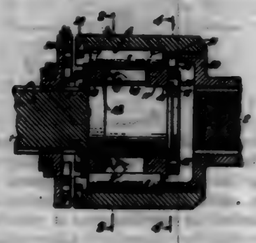
1. In apparatus of the class described, an engine driven member, an electric motor having a

driving shaft, a motor-driven member driven therefrom and normally out of engagement with said engine member, means for moving said motor-driven member into engagement with said engine member, means for disengaging said motor-driven member, means for rendering said disengaging means ineffective prior to de-energization of said electric motor, and an overrunning clutch mechanism facilitating re-acceleration of the engine member in the event that the latter loses momentum after the initial firing impulse of the engine, but prior to de-energization of the electric motor.



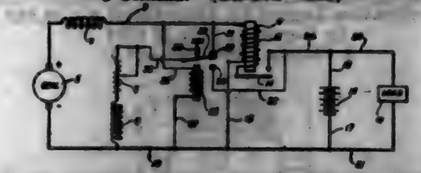
5. In an engine starting mechanism, a driving motor, a rotatable shaft projecting from said motor at both ends thereof, a driving member mounted on one end of said shaft for longitudinal movement thereof and rotary movement therewith and adapted to cooperate with and drive a member of the engine to be started, a control member mounted on said shaft at the opposite end of said motor for longitudinal movement thereof and rotary movement thereon, and a driving connection between said two members.

2,031,783
DRIVING MECHANISM
Francis Linder, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application July 30, 1931, Serial No. 554,963
18 Claims. (Cl. 192—45)



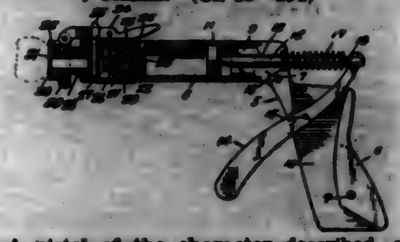
1. An overrunning clutch comprising a driving member, a driven member, rollers intermediate the members, wedging elements intermediate one of the members and the rollers, cams acting upon rotation of the driving member in one predetermined direction only to move the wedging elements substantially radially and engage them with the rollers and effect a locking action of the rollers between the wedging elements and one of said members, and means integral with the wedging elements for holding them in contact with the cams during overrunning of the driven member.

2,031,784
ELECTRICAL APPARATUS
Charles I. McNeill, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application January 31, 1934, Serial No. 709,210
2 Claims. (Cl. 171—314)



1. In a system of the class described, a battery and generator connected for energization of the former upon rotation of the latter, a reverse current cut-out between the generator and battery, a shunt field constituting part of the generator, means for energizing said field by current taken from the generator, means for energizing said field by current taken from the battery, and selective means for rendering said energizing means successively effective, said selective means comprising a switch connecting said shunt field with the generator during the initial excitation period and movable substantially simultaneously with the closing of said reversed current cut-out to a position insuring excitation of said shunt field directly from the battery.

2,031,785
FIREARM
George H. North and Roy J. Baker, La Crosse, Kans.
Application February 11, 1935, Serial No. 6,004
7 Claims. (Cl. 46—194)



1. A pistol of the character described, comprising a stock forming a handle, a piston cylinder carried by said stock, a piston working within the cylinder, a trigger pivoted to the handle and operating said piston, a reduced tip on said cylinder for discharging air therefrom, a return check valve within said tip, a discharge nozzle carried by the cylinder at the tip thereof, and means for the clamping of an explosive cap upon the nozzle for explosion under pressure of air from the tip.

2,031,786
APPARATUS FOR MAKING GOLF BALLS
John M. Oldham, Detroit, Mich., assignor to L. A. Young Company, Detroit, Mich.
Original application November 13, 1933, Serial No. 697,778. Divided and this application April 14, 1934, Serial No. 720,731
9 Claims. (Cl. 18—36)

1. A mold for applying a shell to golf balls, comprising complementary segmental hemispherical sections having flanges on the edges thereof, the flanges having sprue passages therein opening into the mold in 90-degree angular relation, the sections having central opposed sprue passages opening in the mold in 90-degree angular relation relative to the passages in said flanges,

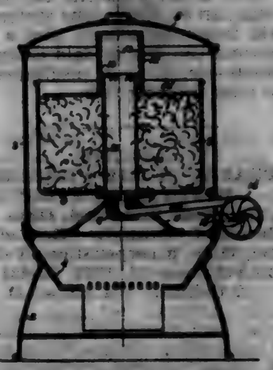


the molds also having vent openings disposed in 90-degree angular relation to each other and centrally relative to the adjacent sprue passages.

2,031,787
SULPHURIC ACID CONTACT PROCESS
John H. Perry and Karl E. Ridler, Shaker Heights, Ohio, assignors to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application November 30, 1934, Serial No. 755,354
4 Claims. (Cl. 23—175)

1. A catalyst for use in a contact sulphuric acid process comprising platinum deposited upon a magnesium sulphate—aluminum sulphate—iron sulphate carrier.

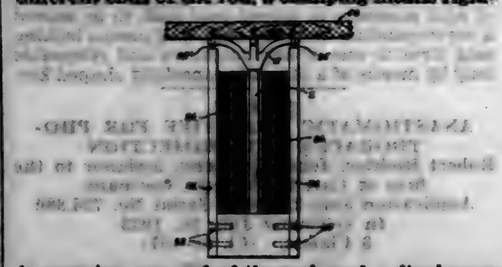
2,031,788
LINEN WASHING MACHINE
Jules Perroens and Alphonse Perroens, Thildonck, Belgium
Application February 27, 1934, Serial No. 713,894
In Belgium March 1, 1933
2 Claims. (Cl. 68—37)



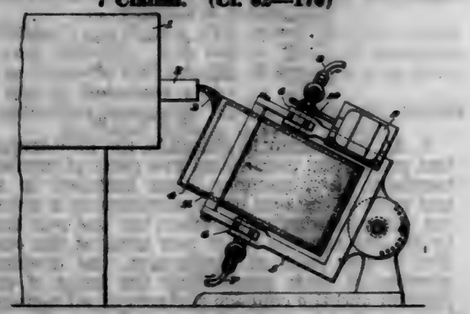
1. In a machine for the washing of linen, in combination, a first vat, a second vat inside the first vat and adapted to contain the linen to be washed the said second vat being provided with perforated side walls, a pump, a perforated central tube extending in the said second vat, the said tube being provided at its upper portion with projections, a plate at the upper portion of the second vat whereby a pressure is exerted upon the linen, a tubular portion bodily connected with the said plate and provided with racks engaging the projections of the tube arranged in the said second vat whereby the said plate is adapted to be fixed in adjustable positions to the said tube, means whereby a washing liquid is fed from the said pump into the said perforated tube, passes afterwards through the linen and flows back in passing through the outer vat to the pump.

2,031,789
ACOUSTIC ELECTRIC ENERGY CONVERTER
George Washington Pierce, Cambridge, Mass.
Application August 9, 1933, Serial No. 684,642
9 Claims. (Cl. 179—110)

1. In a sound reproducer, a metallic rod having strong magnetostrictive qualities, an electro-magnetic coil encircling said rod and spaced slightly therefrom, a strong permanent magnet arranged with opposite poles thereof opposite different ends of the rod, a clamping means rigidly securing one end of the rod, and a diaphragm connected to the opposite end of the rod, said coil when connected to alternating current being effective to vibrate the diaphragm in accordance with the current.

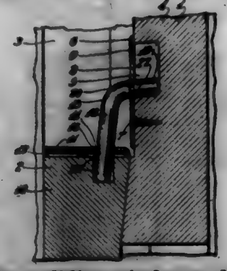


2,031,790
METHOD OF COOLING MOLTEN MATERIAL
Edward J. Franke, Great Barrington, Mass., assignor to E. I. du Pont de Nemours & Company, Inc., a corporation of Delaware
Application October 12, 1931, Serial No. 568,517
7 Claims. (Cl. 62—170)



1. The process of rapidly cooling molten cyanid which consists in tapping a stream of the molten cyanid from a furnace, causing it to impinge immediately and without substantial loss of temperature upon a cooled surface substantially inclined from the horizontal and spreading the molten cyanid thereon by moving the surface laterally relative to the said stream, whereby a thin layer of the cyanid remains in contact with the surface until substantially cooled.

2,031,791
WINDOW SASH LOCKING MEANS
Parker Riddle, Pittsburgh, Pa.
Application May 18, 1935, Serial No. 22,156
12 Claims. (Cl. 70—14)



1. A lock for a sliding window sash comprising a lock member carried by said sash, an interlocking

member carried by a window element which is separate from said sash, a strut locked to both of said members and being slidable in the direction of its length a limited distance relative to one of said members to permit said sash to be moved a corresponding distance only, and means locking said strut to one of said members and releasable only by means of a separate especially shaped key.

2,031,792
ANASTIGMATIC OBJECTIVE FOR PHOTOGRAPHY AND PROJECTION

Robert Richter, Jena, Germany, assignor to the firm of Carl Zeiss, Jena, Germany

Application July 25, 1934, Serial No. 736,880
In Germany July 26, 1933
9 Claims. (Cl. 88—57)

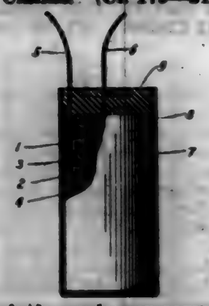


1. An anastigmatic objective for photography and projection, comprising two pairs of meniscal members, each member being bounded by air, and each of the said pairs consisting of a diverging and a converging member, the one pair lying at the one and the other pair lying at the other side of the locus of diaphragm, the diverging member of each pair facing the locus of diaphragm, the concave surfaces of all members being turned toward this locus, those surfaces of each pair which face each other having different radii of curvature and those surfaces of the diverging members which face the locus of diaphragm being spaced at a distance greater than four fifths of the arithmetical means of the radii of curvature of these two surfaces.

2,031,793
ELECTROLYTIC DEVICE

Preston Robinson, Williamstown, Mass., assignor to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts

Application August 3, 1934, Serial No. 738,346
11 Claims. (Cl. 175—315)

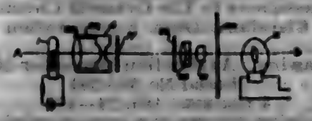


1. An electrolytic condenser comprising at least one film-forming electrode, and a viscous electrolyte comprising a fixed amount of water, and a dehydratable substance, said substance being in such a condition of equilibrium with regard to the electrolyte that upon any loss of water from the electrolyte a dehydration of said substance takes place.

2,031,794
MOVING PICTURE SOUND RECORDING AND REPRODUCING APPARATUS

Paul Safranski and King Rose, New York, N. Y.

Application June 25, 1932, Serial No. 618,165
1 Claim. (Cl. 179—100.3)

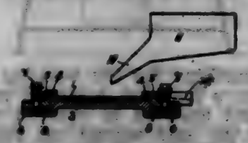


Apparatus for recording sound upon photographic film and reproducing it therefrom, comprising a source of light, a relatively small cylindrical casing having a lens member positioned on the optical axis of said light source having opposed concave cylindrical surfaces, a light gate through which a light beam from the concave surfaces of said lens member may pass, said lens member and light gate positioned adjacent the end of the casing positioned adjacent said light source, trimming means positioned to define said light beam adjacent the opposite end of said casing, an objective lens system positioned beyond said trimming means, and a photo-electric cell beyond the end of said casing, said casing and photo-electric cell positioned to permit the film to pass therebetween.

2,031,795
APPARATUS FOR PRODUCING BIMETALLIC STRIP

George S. Salzman, Cleveland, Ohio, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a corporation of Ohio

Application February 22, 1933, Serial No. 656,100
2 Claims. (Cl. 207—11)



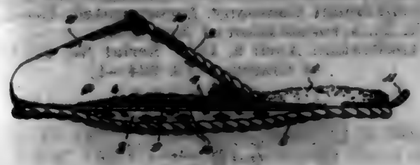
1. In apparatus of the character described, the combination of a supporting bed adapted to receive a strip of steel passing thereover, and overhanging flanges mounted on said supporting bed adapted to cover and frictionally contact the marginal portions of the surface of a strip passing over said bed, said flanges being provided with overflow openings at a predetermined level.

2,031,796
SLIPPER

Susan Stephens, Louisville, Ky.

Application October 1, 1934, Serial No. 746,433
1 Claim. (Cl. 36—9)

A slipper composed of washable material and comprising an insole and an outer sole secured together along the greater portions of their edges but separated along one side whereby to form a pocket open at one side between the insole and the outer sole, a reinforcing insole of stiff material insertible in and removable from said pocket through the open side of the same, and separable fasteners secured upon the opposing surfaces of

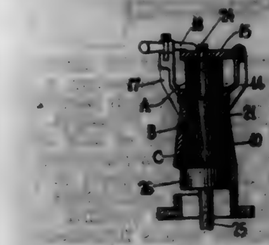


the inner and outer soles whereby to normally close the open side of the pocket.

2,031,797
FIXTURE FOR ASSEMBLING RUBBER ARTICULATED JOINTS

John P. Tarbox, Philadelphia, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 25, 1931, Serial No. 518,057
Renewed September 12, 1933
4 Claims. (Cl. 25—33.2)



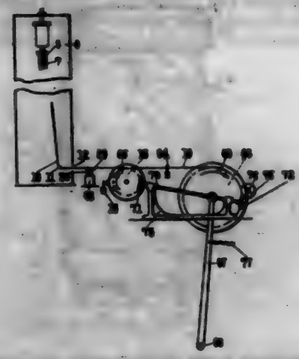
1. An apparatus for telescopically fitting together relatively rigid elements one of which circumscribes the other and an intervened annulus of rubber which spaces them apart under substantial radial stress which consists of a funnel through which a plurality of rubber annuli may be forced simultaneously, means cooperating with the funnel for forcing said annuli axially of the funnel, means for internally spreading the rubber annuli and for aligning said elements upon the axis of the funnel and carried by at least one of said elements within the funnel, an abutment movably connected with the funnel and located in its operative position in spaced axial relation to the small end of said funnel and movable from a position axially juxtaposed to the small end to an inoperative position out of axial alignment therewith and means coacting with the movable abutment for locking the relatively rigid elements in their axially aligned positions.

2,031,798
MANUFACTURE OF ARTIFICIAL MATERIALS

William Ivan Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

Application November 16, 1932, Serial No. 642,867
In Great Britain November 27, 1931
2 Claims. (Cl. 18—8)

1. Apparatus for the production of banks of artificial filaments, yarns, threads and like filamentary materials, said apparatus comprising in combination means for producing an artificial material, a feed-roller adapted to draw said material, a standard adapted to oscillate about a pivot, a rotatable reel mounted on said standard and adapted to take said material from said feed-roller and to wind it in bank form, means adapted to drive frictionally said reel from said feed-roller, and means adapted to move said standard about said pivot so as to control the drive to said

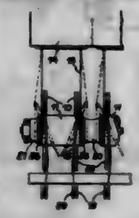


reel so that the rate of winding the material is maintained substantially equal to the rate of drawing irrespective of change of diameter of the package being wound.

2,031,799
APPARATUS FOR FEEDING AND WINDING TEXTILE THREADS

William Ivan Taylor and Alfred Herbert Woodruff, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application September 25, 1934, Serial No. 745,380
In Great Britain October 4, 1933
10 Claims. (Cl. 18—8)



1. Apparatus comprising a feed-roller for a thread, a waste-roller disposed adjacent to said feed-roller, thread guide means movably mounted so as to direct a thread either to the feed-roller or to the waste-roller, and thread-controlled means adapted to maintain the guide means in position to direct a thread to the feed-roller so long as the thread continues to be fed from the feed-roller and to cause the guide means to move into position to direct the thread to the waste-roller on cessation of the feeding of the thread from the feed-roller.

2,031,865
PRESERVING JAR

William A. Thiele, North Tonawanda, N. Y.

Application January 5, 1933, Serial No. 650,133
5 Claims. (Cl. 215—37)

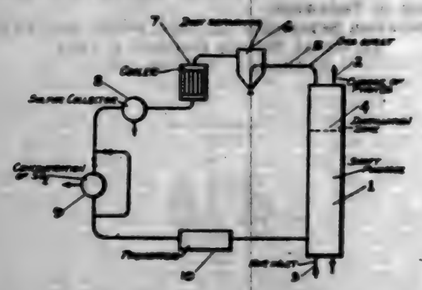
1. The combination with a receptacle having a bottom that is incapable of supporting the receptacle in upright position, of a cover-securing, lever-operated yoke mounted on the receptacle in upright position, and a combined support and closure member having means on one side for closing the receptacle when in use as a closure and for receiving and engaging the lower portion of the receptacle when in use as a support, and

having legs on the other sides to support the member and receptacle, the said legs projecting axi-



ially a distance from said closure at least as great as said yoke to permit the yoke to pass over them.

2,031,861
BURNING OF PYRITES
Daniel Tyrer, Norton-on-Tees, England, assignor to Imperial Chemical Industries, Limited, London, England, a British company
Application October 11, 1932, Serial No. 637,845
In Great Britain October 15, 1931
7 Claims. (Cl. 23—226)

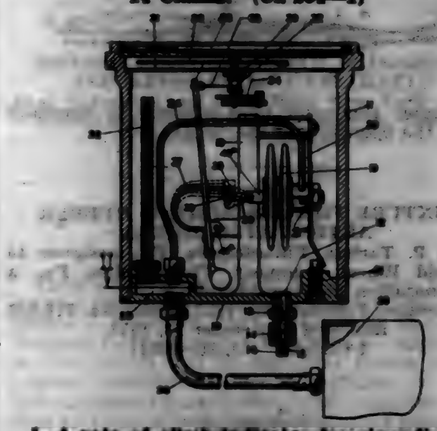


1. In a process of roasting pyrites the step of moving pyrites in a roasting furnace through a distillation zone and a combustion zone in counter current to a gas stream, said gas stream being formed by introducing into said combustion zone a restricted quantity of a gas containing free oxygen and an amount of a sulfur dioxide containing preheated gas, said amounts of gases being so adjusted that the gases around the top of the combustion zone are substantially free from oxygen and have a sulfur dioxide concentration of at least 20%.

2,031,862
RECOVERY OF SULPHUR DIOXIDE FROM GAS MIXTURES
Daniel Tyrer, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 6, 1933, Serial No. 669,769. In Great Britain May 6, 1932
1 Claim. (Cl. 23—178)

A process for the regenerative absorption of sulphur dioxide which includes the step of washing an SO_2-containing gas with an aqueous solution containing a soluble mono-basic phosphate and sodium citrate.

2,031,863
RATE OF CLIMB INSTRUMENTS
Adolf Urfer, Brooklyn, N. Y., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y., a corporation of New York
Application April 9, 1930, Serial No. 443,720
14 Claims. (Cl. 264—1)



1. A rate of climb indicator for aircraft comprising, in combination, a chamber, a second chamber, a yielding wall between said chambers and subject to differential pressures in said chambers, means placing one of said chambers in communication with the atmosphere, means placing the other of said chambers in restricted communication with the atmosphere, indicating means controlled by the yielding wall, and temperature responsive means intermediate said indicating means and yielding wall for correcting error in the instrument indication caused by changes in the viscosity of air from different temperatures.

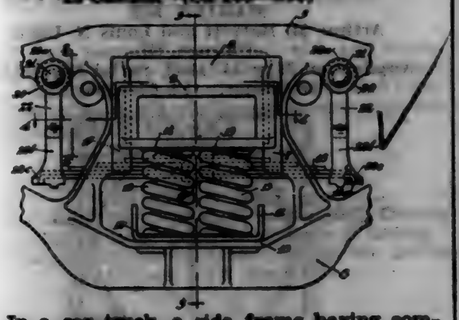
2,031,864
VENETIAN BLIND
August T. Vietori, Pawtucket, R. I., assignor to Artcraft Venetian Blind Company, Hazleton, Pa.
Application March 14, 1934, Serial No. 715,344
1 Claim. (Cl. 156—17)



In a Venetian blind including a top rail, a bracket connected to one end of the top rail and having a pinion attached thereto, a second bracket attached to a stationary member, a pair of spaced horizontal arms on the second bracket extending to a point above the first bracket and said second bracket having a hole therein located below the arms for receiving a part of the first bracket, a shaft journaled in the arms of the second bracket and having a worm thereon engaging the pinion, a pulley on the shaft, a cord

passing over the pulley and depending therefrom, said second bracket having a horizontally arranged part connected with its lower end, said part having a pair of spaced holes therein through which the two parts of the cord pass.

2,031,865
CAR TRUCK
Edwin W. Webb, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a corporation of New Jersey
Application July 2, 1934, Serial No. 733,746
18 Claims. (Cl. 105—206)



1. In a car truck, a side frame having compression and tension members and bolster columns extending between the said members and defining a lateral opening, a bolster working within said opening, a spring supported by said tension member and assisting to support said bolster and a spring supported beneath said bolster by said compression member and assisting to support said bolster.

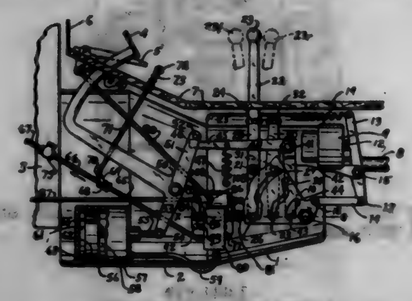
2,031,866
KNOCK-DOWN POLYGONAL WEBBED END-CLOSING CONTAINER
Arthur J. Weiss, St. Albans, N. Y., assignor to Robert Gair Company, Inc., New York, N. Y., a corporation of Delaware
Application April 24, 1934, Serial No. 722,114
23 Claims. (Cl. 229—37)



1. A container having major body forming panels opposed to each other forming relatively wide front and rear walls, minor body forming panels scored and angularly disposed from said major panels and each other and located opposite one another to form relatively narrow, bent side walls and a plurality of connected end closing flaps and webs on all said panels one of said flaps including an interlocking member to lock the ends of the container and being adapted to close the ends of said container when infolded and interlocked.

2,031,867
POWER TRANSMITTING DEVICE FOR AUTOMOTIVE VEHICLES
Oscar Werner, Cleveland, Ohio
Application January 25, 1932, Serial No. 587,638
27 Claims. (Cl. 192—.01)

1. In an automotive vehicle having an internal combustion engine, a clutch and a gear-changing transmission, automatic means for shifting the transmission gears when the proper vehicle speed has been reached and automatic means for disengaging the clutch whenever the engine throttle is closed and for re-engaging same when the engine throttle is opened sufficiently to synchronize



the speed of the engine with the speed of the driven shaft of the transmission, and interlocking means for preventing the shifting of the gears while the clutch is engaged and for preventing the reengagement of the clutch previous to the completion of the gear shift operation.

2,031,868
BASEBALL GLOVE OR MITT
William P. Whitley, Clayton, Mo., assignor to Rawlings Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application March 29, 1933, Serial No. 663,255
1 Claim. (Cl. 2—19)

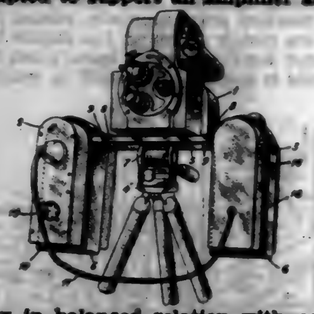


A baseball glove or mitt provided with a thumb, an index finger portion, and a skeleton-like bridging means between said thumb and index finger portion, comprising a rearwardly bowed, transversely-disposed top member that has sufficient inherent stiffness to remain in a curved shape or condition, said top member being round in cross section and capable of flexing slightly to provide for the relative movement of said thumb and index finger when the glove or mitt is in use.

2,031,869
CAMERA MOUNTING
Arthur G. Zimmerman, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1934, Serial No. 709,078
5 Claims. (Cl. 88—16.2)

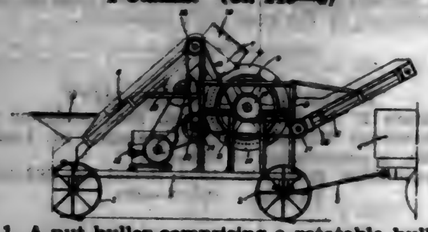
1. A support for talking motion picture apparatus comprising a cross-bar adapted to be supported upon a tripod, and clamped thereto by a motion picture camera resting upon the

cross-bar, and a yoke at each end of said cross-bar adapted to support an amplifier and a bat-



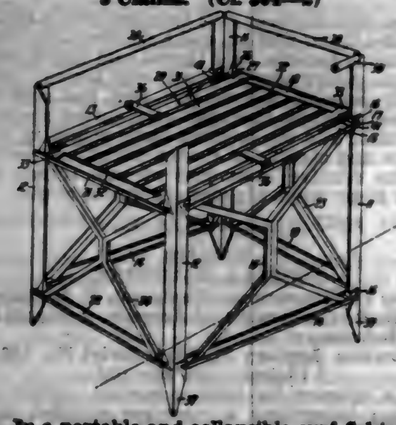
tery box in balanced relation with each other and with said camera.

2,031,810
WALNUT HULLER
W. Charles Anderson, Linden, Calif., assignor to Anderson Orchard Company, Linden, Calif., a corporation of California
Application December 12, 1933, Serial No. 701,988
4 Claims. (Cl. 146—8)



1. A nut huller comprising a rotatable hulling reel, a cooperating concave including spaced bars arranged in a row substantially concentric with the reel and parallel to its axis; certain ones only of such bars being freely turnable, and the turnable bars being of such cross sectional form as to have longitudinal edges further from the axis of rotation than the sides of the bars.

2,031,811
SURF FISHING DEVICE
Eugenio A. Azzara, San Francisco, Calif.
Application August 13, 1934, Serial No. 739,806
3 Claims. (Cl. 294—2)



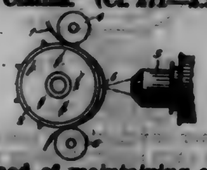
1. In a portable and collapsible surf fishing device of the character described, a plurality of structural members detachably retained together to form a raised platform, said members including four upright corner members having depending lower ends forming sand spikes, platform members releasably carried by the corner members, and lower lateral members interlocked with said corner members and presenting substantial bearing areas upon the sand, said interlock being releasable only upon upward movement of the corner members relative to the lateral members.

2,031,812
METHOD OF AND APPARATUS FOR MAKING ICE
Arthur M. Barrett and Louis N. Udell, Chicago, Ill.
Application May 15, 1933, Serial No. 671,022
18 Claims. (Cl. 62—104)



1. A method of making ice, which consists in moving a cold-conducting cell-like container through a body of water and in separable contact with a cold-conducting member containing a freezing medium for a sufficient time to form a block of ice within said container.

2,031,813
PHONOPHOTOGRAPHIC APPARATUS
Cecil N. Batsel, Collingwood, and Edward W. Kellogg, Maplewood, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application January 3, 1935, Serial No. 949,994
7 Claims. (Cl. 271—2.3)

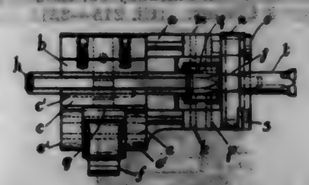


1. The method of maintaining a film in contact with a supporting drum at an operational point comprising the step of flexing the film so that it is urged by only its own flatwise elasticity against the drum at the said operational point.

2,031,814
DEVICE FOR REMOVING DRILLS OR OTHER ARTICLES FROM THEIR SHAFTS
Reginald Aslins Bedford, Stumperlowe, Sheffield, England
Application September 19, 1935, Serial No. 41,237
In Great Britain September 24, 1934
6 Claims. (Cl. 29—96.1)

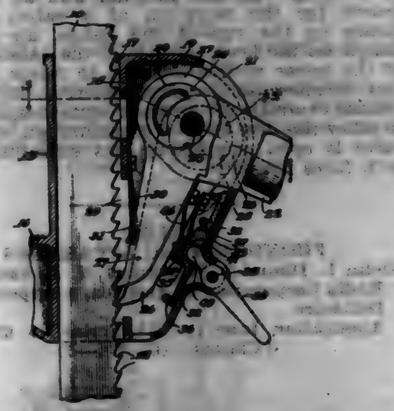
1. A device for separating joined components capable of being forced apart comprising a base block for accommodating the joined components, gripping means provided on said base block and

operable upon one of said components, a slidable impact member positionable and operable against the other of said members and an anvil member mounted about a pivot on the base block adjacent to the impact member and adapted, on being



struck by a hammer, to contact with and transmit impacts to the slidable impact member and cause the latter to impinge against the said other member so as to force it apart axially from the one member.

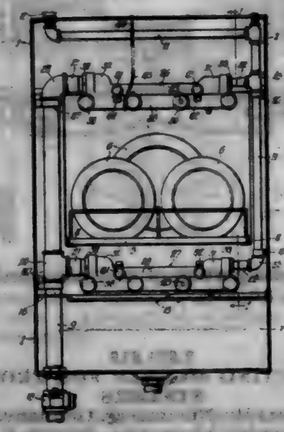
2,031,815
LIFTING JACK
Louis C. Berman, Chicago, Ill., assignor to Duplex Tool Co., Chicago, Ill., a corporation of Illinois
Application September 5, 1935, Serial No. 39,114
16 Claims. (Cl. 254—116)



1. A lifting jack embodying a standard provided with teeth, a load engaging member movable along the standard, a pair of alternately acting pawls carried by said load engaging member and co-operating with said teeth, opposed springs between which each of said pawls operate, a controlling and reversing slide adapted to act on said springs, means for actuating said slide, and means for yieldingly locking said slide in its adjusted position.

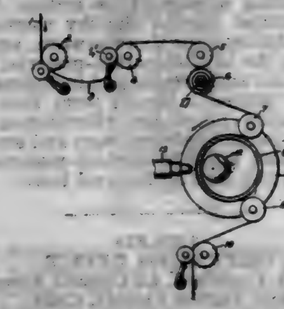
2,031,816
DISHWASHING MACHINE
Edward L. Blakeslee, Oak Park, Ill., assignor to G. S. Blakeslee & Co., Cicero, Ill., a corporation of Illinois
Application May 27, 1933, Serial No. 672,789
8 Claims. (Cl. 141—8)

1. In combination in a dish washing machine, a casing, a washing solution pipe at one side of the casing, a rinse water pipe at the other side of the casing, a spray head disposed between the pipes and comprising washing spray means and rinsing spray means, and means pivotally connecting the head at the sides thereof to the pipes for movement on an axis extending transversely of the casing, said connecting means establishing communication between the washing solution



pipe and the rinse water pipe and the washing spray means and the rinsing spray means, respectively.

2,031,817
FILM DRIVING APPARATUS
Arthur J. Bradford, Alpinus, N. Y., assignor to General Electric Company, a corporation of New York
Application May 14, 1929, Serial No. 363,053
9 Claims. (Cl. 274—5)

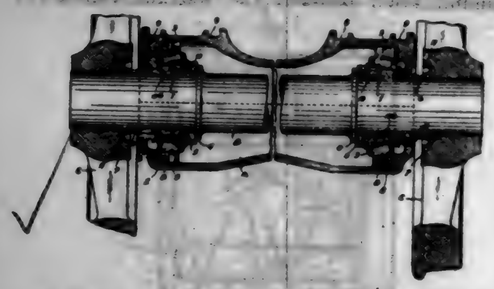


1. Apparatus of the character described for moving a film without vibration through a point of control comprising a film driven smooth faced drum over which the film is wrapped, an inertia mass directly connected with the drum, means for withdrawing the film from the drum, and braking means engaging the film passing to the drum operative to produce a predetermined tension of the film on the drum for causing it to adhere to the drum without slippage.

2,031,818
ROLLER BEARING AXLE
Tracy V. Buckwalter, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application October 6, 1934, Serial No. 747,182
3 Claims. (Cl. 287—52)

3. A car wheel having a hub portion provided with an axial axle receiving bore and an annular

groove in at least one end of said hub portion of such proportion as to reduce the tightness of



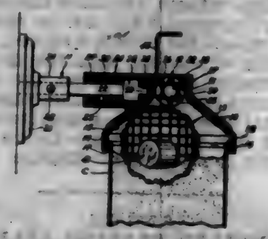
fit of the end portion of said hub portion when pressed on an axle.

2,031,819
COLLECTING MEMBER FOR TROLLEY SYSTEMS
Ottmar Conradty, Nuremberg, Germany, assignor to C. Conradty, Nuremberg, Germany, a firm
Application December 15, 1933, Serial No. 702,521
In Germany December 27, 1933
6 Claims. (Cl. 191—55)



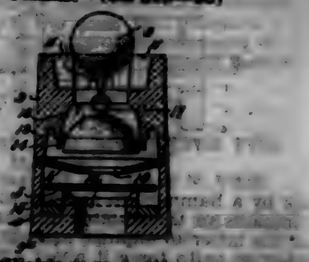
1. A substantially non-frangible trolley-collector, comprising a support, a brittle, frangible contact-material carried thereby thereon, with flexure-producing gaps therebetween, and means for relieving the brittle contact-material from all flexure-strains and stresses and including a binder-material poured in liquid form into all said gaps and upon hardening effectuating perfect mechanical contact between each and every point of the support and the contact-material so as to unite the two into an integral body.

2,031,820
DISPENSING DEVICE
Harvey B. Crawford, La Canada Township, Los Angeles County, Calif.
Application January 12, 1935, Serial No. 1,530
8 Claims. (Cl. 221—196)



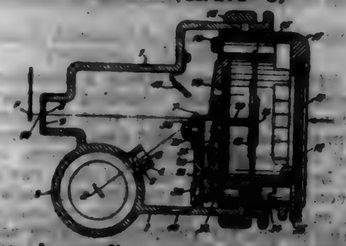
1. A device for dispensing material from a container including a body for carrying the container, a valve for discharging the material from the body, and an unsecured hollow perforate agitator resting on the valve to be moved about by actuation thereof to agitate said material for free flow through the valve.

2,031,821
AUTOMATIC BOTTLE STOPPER
Juan Bautista Della Libera y Silicani, Habana, Cuba
Application November 8, 1933, Serial No. 697,149
In Cuba January 12, 1933
3 Claims. (Cl. 215—35)



1. A non-refillable type bottle stopper adapted to be placed in the neck of a bottle, comprising an external sectional shell structure having upper and lower sections with ports in each end surface of the structure to permit the flow of liquid therethrough, each section forming a chamber adapted to house independent valve units, said upper section having a downwardly extending annular flange about the port therein, forming with the external wall an annular groove for the reception of a valve, spacing means on the rim of the flange, an annular flange, on the lower surface of the external wall of the upper section adapted to retain a valve seat member and a semi-spherical valve seat located centrally of the lower section, and means to allow the flow of fluid therethrough when the valve is open comprising lugs extending from both faces thereof.

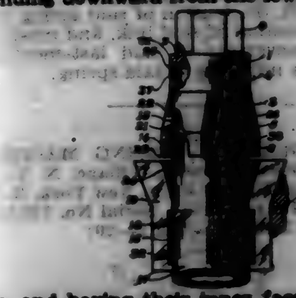
2,031,822
PHONOGRAPHIC APPARATUS
Glenn L. Dimmick, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 1, 1932, Serial No. 615,862
6 Claims. (Cl. 274—5)



1. Sound recording apparatus including a diaphragm, means arranged to form chambers on opposite sides of said diaphragm, an additional compartment adjacent one of said chambers, and acoustically damped passageways extending between said compartment and said chambers.

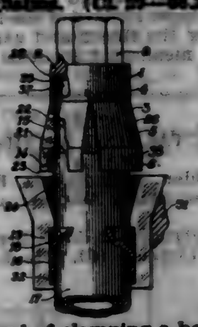
2,031,823
PRESSED-ON HOSE COUPLING
Joseph Peter Eastman, Manitowoc, Wis.
Application April 30, 1934, Serial No. 723,517
6 Claims. (Cl. 285—34)

2. A hose coupling comprising an end wall and a sleeve projecting therefrom, said sleeve being adapted to receive the end of a hose, and to be contracted to grip the same, said sleeve comprising an upper portion in the form of an unbroken tube attached to said end wall, and a plurality of tongues, each such tongue being substantially in the form of a wedge when viewed in axial section with respect to the coupling, said wedges having their thin ends upward, attached to and extending downward from the lower edge of said



tube, and having their inner faces substantially vertical before contraction, to admit the hose, said inner faces sloping inward after contraction, their lower ends thereby then gripping the hose, said inward sloping being due to said wedges having been bent inward at their thin ends aforesaid, during said contraction.

2,031,824
METHOD OF PRESSING A COUPLING ON TO A HOSE
Joseph Peter Eastman, Manitowoc, Wis.
Original application April 30, 1934, Serial No. 721,517. Divided and this application August 28, 1934, Serial No. 741,149
5 Claims. (Cl. 29—203.5)



1. The method of clamping a hose coupling on to the end of a hose which consists in positioning the segments of a split die around a band, the band then lying in a recess provided in the die, forcing the coupling endwise into the die and into the band, thereby contracting the coupling to grip the hose, and then removing the segments of the die, leaving the band encircling the coupling.

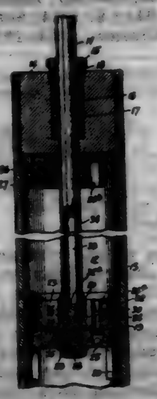
2,031,825
RENEWABLE HOSE COUPLING
Joseph Peter Eastman, Manitowoc, Wis.
Refiled for abandoned application Serial No. 752,483, November 18, 1934. This application September 3, 1935, Serial No. 39,883
6 Claims. (Cl. 285—34)

4. A hose coupling comprising two members adapted each to encircle a hose, means for drawing said members toward each other in axial direction, a gripping sleeve having tongues, and means, operated automatically by said drawing together, for causing said tongues to be pressed inward into the substance of the hose to grip the same, said tongues being, upon completion of said drawing together, each substantially in the form of an outwardly concaved arch, the distance



of the intrusion of said tongues into the substance of the hose being equal to the thickness of said tongues plus a substantial distance due to the rise of said arches.

2,031,826
PROTECTING MEANS FOR MECHANISMS
Edward C. Ekstromer, Los Gatos, Calif., assignor of one-half to Homer J. Lloyd, Los Gatos, Calif.
Application September 22, 1934, Serial No. 745,161
11 Claims. (Cl. 286—27)

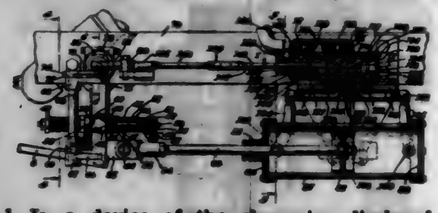


1. In combination, means defining a chamber having a mechanism therein to be protected against liquid from an exterior source; said mechanism including a vertically disposed member operating through a wall of the chamber; a receptacle carried by the member in which liquid leaking between the member and said wall into the chamber will be collected; and means co-acting with the receptacle to eject the collected liquid from the chamber and through the said member during one movement of the member.

2,031,827
PROCESS OF MAKING TETRAPHOSPHATES
Augustus H. Fiske, Warren, and Charles S. Bryan, Providence, R. I., assignors to Rumford Chemical Works, Rumford, R. I.
No Drawing. Application December 7, 1934, Serial No. 756,457
3 Claims. (Cl. 23—106)

1. A process which comprises producing a tetraphosphate by reacting phosphoric pentoxide with an alkali metal hydroxide in substantially their theoretical proportions, to make a tetraphosphate.

2,031,822
BOOSTER
Marion Ames Garrison, Alhambra, Calif.
Application December 16, 1932, Serial No. 646,677
9 Claims. (Cl. 121—41)



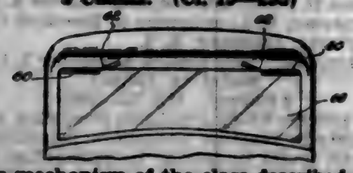
1. In a device of the character disclosed, a manually turnable shaft, two arms carried thereon, one of said arms being fixed to the shaft and the other of said arms floating thereon, said fixed arm provided with a yoke having two spaced apart legs and said floating arm being between said legs, resilient abutments between said legs of the yoke and the floating arm; each resilient abutment having a pin for push engagement with the floating arm, and a coil spring adapted to be tensioned when a pin is moved in one direction.

2,031,829
BRAKE LOCK
George W. Godsey, Elizabeth, N. J.
Application May 8, 1934, Serial No. 724,498
7 Claims. (Cl. 192—3)



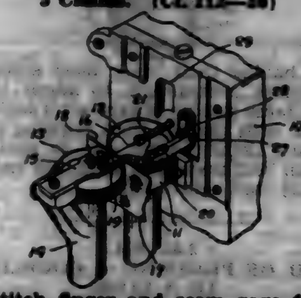
1. In a device of the character described for locking the brakes of gas engine vehicles, in combination with the engine throttle, cylinder means, a piston movable within said cylinder means and connected to the vehicle brakes, a valve operated entirely in response to the operation of the engine throttle, and fluid conducting means interconnecting said cylinder means and said valve, whereby the application of the vehicle brakes when the engine throttle is in one position causes said piston to move and effect the retention of the vehicle brakes in applied condition, whereas the movement of the engine throttle to another position initiates reverse movement of said piston, thereby effecting the release of the vehicle brakes.

2,031,830
WINDSHIELD CLEANER
Elwood Hansmann, Glencoe, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 7, 1934, Serial No. 714,407
3 Claims. (Cl. 15—255)



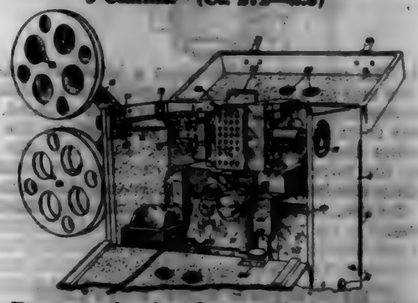
1. In mechanism of the class described, a pair of shafts, wiper blades attached thereto, power means for oscillating said shafts, a hand control for said power means, a link connected with and moved by said hand control, wedge means associated with said link, a clutch connected with one of said shafts and controlled by said wedge means, a spring having one end connected to said link and the other end connected to said last-mentioned shaft, the tension of said spring varying with the position of said link, and means for limiting the movement of said last-mentioned shaft under the influence of said spring.

2,031,831
STITCH FINGER FOR SEWING MACHINES
Charles J. Hausbeck, Queens Village, N. Y., assignor to Julius Kayser & Co., New York, N. Y.
Application June 30, 1934, Serial No. 733,956
5 Claims. (Cl. 112—38)



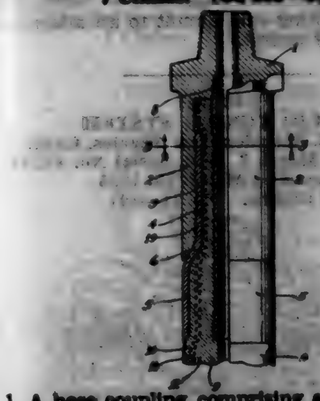
1. A stitch finger and seam gage for sewing machines of the character described, comprising a holder, means for securing the holder on the frame of the machine, means for movably attaching the finger and gage to said holder, a spring engaging the upper surface of the finger for yieldingly retaining the finger and gage in operative position, and means for securing the spring to said holder.

2,031,832
PORTABLE TALKING MOTION PICTURE APPARATUS
Harold C. Holden, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application February 12, 1932, Serial No. 592,453
9 Claims. (Cl. 271—2.3)



1. Drum mechanism for carrying a sound record film past a reproduction point, comprising a shaft, a drum rotatably mounted upon said shaft and adapted to be driven by the film passing thereover, an annular means having a smooth bearing face and fixed to one of the aforesaid parts, and a plurality of spring-pressed plungers co-operating with said smooth bearing face and rotationally affixed to the other of the aforesaid parts to provide a braking force upon said drum, whereby said drum operates at a uniform speed.

2,031,833
PRESSED-ON HOSE COUPLING
George Hutchinson, Manitowoc, Wis., assignor to Eastman Manufacturing Company, Manitowoc, Wis.
Application December 4, 1934, Serial No. 755,901
7 Claims. (Cl. 285—34)



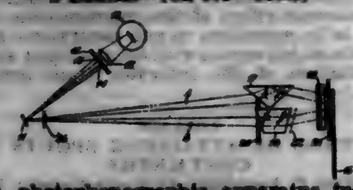
1. A hose coupling comprising an outer sleeve and an inner sleeve, both said sleeves being of continuous material adapted to encircle the hose, said inner sleeve comprising an upper portion and a lower or skirt portion, both of substantial length, said outer sleeve being adapted to be permanently contracted on to said upper portion of said inner sleeve, thereby causing said portion to be also permanently contracted, to grip the end of a hose placed therein, said skirt portion then extending downward, beyond said outer sleeve, around the hose.

2,031,834
ICE CREAM PAIL
Charles B. Kliefoth, Newark, N. Y., assignor to Bloomer Bros. Company, Newark, N. Y., a corporation of New York
Application May 12, 1933, Serial No. 670,759
10 Claims. (Cl. 229—14)



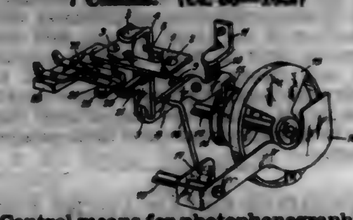
1. A container for holding semi-solid material, comprising a tapered pail having a bottom at its smaller end and open at its larger end, said bottom forming a permanent tight joint with the side walls of the pail at all sides thereof, a tapered slide insertable in and removable from said pail through said open end, said slide having a bottom and side walls held in substantially tight relationship to each other by said pail, adjacent side walls being unconnected to each other along at least one corner of said slide so that when said slide is removed from said pail said side walls may be readily separated and opened up to obtain easy access to contents of said slide, and closure flaps foldable into overlapping relation to each other to form a substantially tight closure for one end of said slide.

2,031,835
RECORDING AND REPRODUCTION OF ELECTRICAL IMPULSES
Edward W. Kellogg, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 4, 1933, Serial No. 664,238
5 Claims. (Cl. 179—100.3)



1. A photophonographic apparatus including means for modulating a pair of light beams in accordance with the sound to be recorded, a cylindrical lens interposed in the paths of said beams with its length dimension parallel to the movement of said beams, means interposed in one of said paths for reversing the movement of one of said beams, and means for producing a substantially equal sharp focus of each of said beams.

2,031,836
SOUND AND PICTURE CAMERA
Edward W. Kellogg, Moorestown, and Sidney Read, Jr., Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 3, 1933, Serial No. 674,130
7 Claims. (Cl. 88—16.3)



1. Control means for photophonographic apparatus comprising brake means, means for releasing the brake means, switch means normally actuated by said releasing means after the release of said brake means, means for actuating said switch means by said releasing means independently of said brake means, and shutter means actuated by a part of said brake means.

2,031,837
LAG COMPENSATING DEVICE
Paul Kollsman, Woodhaven, N. Y.
Application August 3, 1929, Serial No. 383,407
14 Claims. (Cl. 73—4)



2. A device having an indicator and springs of different form and characteristics including a main spring means, and a compensating spring means, said spring means being interconnected so that the force of the compensating spring means is adapted to act counter to that of the main spring means, with a deformation in the main spring means directly causing a deformation in the compensating spring means, said

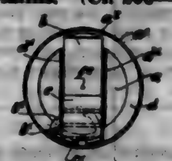
spring means being so different from each other that a change in pressure exerted on both spring means will cause a major resultant movement in one direction or in an opposite direction to actuate the indicator, and the material of the different spring means each having a specific hysteresis different than that of the other, and the spring means being so related to each other that the hysteresis effect of the compensating spring means is in opposition to and neutralizes that of the main spring means with the resultant effect of no actuation of the indicator from hysteresis effects.

2,031,838
METHOD OF ATTACHING SPOUTS TO CONTAINERS
William F. Leonhart, St. Louis County, Mo.
Application August 27, 1934, Serial No. 741,600
3 Claims. (Cl. 113—121)



1. The method of attaching spouts to metal containers which consists in supplying a spout with one end flared and curled back close to the flared portion thereof and a flat container part having an opening and a flange around said opening of substantially equal diameter with the flared portion of the spout, placing said spout in said opening with its flared portion against the edge of said flange, moving said spout axially relatively to said container part to curl said flange over the flared and curled end of said spout to form an interlocking seam and then compressing said seam.

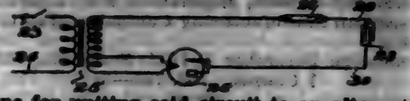
2,031,839
CONTAINER FOR LIP STICKS AND THE LIKE
Alex Limbach, Carmel, N. Y.
Application May 22, 1934, Serial No. 726,942
3 Claims. (Cl. 206—56)



1. A container for a lipstick or the like having an opening through which the material is movable, a carrier for the material movable rectilinearly within the container, an actuating disk rotatable about its central axis, means to rotate the disk, a slot in the disk extending generally radially thereof, a pin mounted on the carrier offset from the central axis of the carrier and engaging said slot whereby rotary movement of the disk imparts rectilinear movement to the carrier.

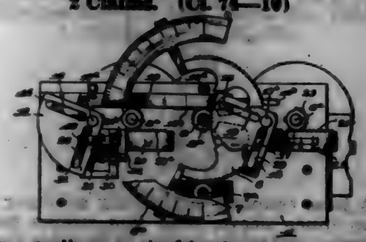
2,031,840
CONDENSER TESTER
Madison P. McCarty, Dallas, Tex., assignor of one-half to Clarence E. Bevan, Dallas, Tex.
Application February 3, 1933, Serial No. 655,876
1 Claim. (Cl. 175—183)

A condenser testing circuit comprising a neon tube, a rectifier, terminals for connecting a condenser in series with the rectifier and tube, and



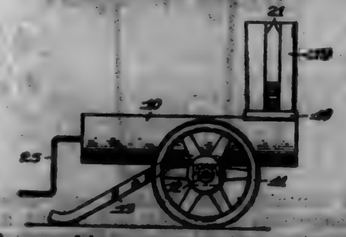
means for uniting said circuit to an alternating current supply circuit.

2,031,841
RADIO TUNING SYSTEM
George B. Marsden, Los Angeles, Calif.
Application March 2, 1930, Serial No. 432,810
Renewed March 24, 1935
2 Claims. (Cl. 74—10)



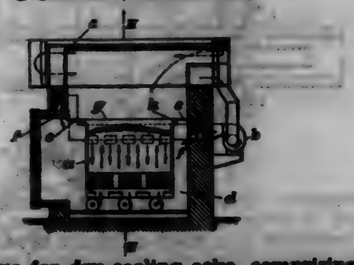
1. In a unitary control tuning system, a control member, a plurality of circuits each tuned by a variable condenser, relatively adjustable intermediate driving connections for each of said condensers comprising similar pivotally movable members rotatable by said control member at uniform rates, and a rectilinearly movable condenser operating member connectible with each of said pivotally movable members, and means adjusting at least one of said rectilinear movable members at points along a radial line of its respective pivotal member to vary the effective radii of said pivotally movable members at ratios determined by mutually tuning their respective circuits to the same wavelength.

2,031,842
TOY MACHINE GUN
Elmer C. Mitchell, Chicago, Ill.
Application January 9, 1935, Serial No. 967
4 Claims. (Cl. 124—13)



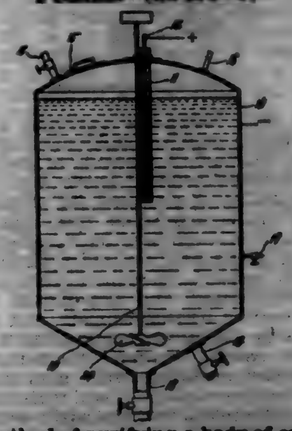
1. A toy machine gun comprising a hollow cylinder having an opening for the introduction of projectiles in the top at one end thereof and having an opening for the discharge of projectiles located eccentrically in one end thereof, a longitudinally grooved cylinder rotatably mounted within said hollow cylinder, impellers mounted in said grooves, said impellers comprising a stiffener rod, an impeller spring extending from one end of said rod and a retractor spring surrounding the other end of said rod and a cam disposed in the end of said hollow cylinder co-operating with said stiffener rod to force the same into and permit its withdrawal from the groove within which it is located.

2,031,843
APPARATUS FOR THE DRY COOLING OF COKE
Arnold Mecttcli, Winterthur, Switzerland, assignor to firm Sulzer Freres Societe Anonyme, Winterthur, Switzerland
Application November 17, 1933, Serial No. 698,413
In Switzerland November 21, 1932
1 Claim. (Cl. 202—228)



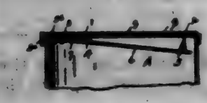
Apparatus for dry-cooling coke, comprising a closed chamber, a movable car adapted to contain a load of hot coke to be cooled in said chamber, said car having heat-conducting sides, an open top, and louvres in its bottom portion adapted for the entry of cooling fluid, a closed heat exchanger compartment, a heat exchanger in said compartment, said compartment having an inlet for fluid from said chamber and a fluid outlet, the opening in the top of the car being registrable and deregistrable with the inlet to said heat-exchanger compartment and forming a substantially gas-tight joint therewith, whereby fluid entering said compartment when the opening in the top of the car is in registration with said inlet must first pass through said car, and means for directing a fluid completely around and in contact with the sides of the car and through said louvres into and through a body of coke contained in said car, and then over the heat exchanger and back into contact with the side walls of the car, said means including a passage from the heat exchanger compartment to said chamber and means for causing a circulation of fluid through said passage.

2,031,844
MANUFACTURE OF CAUSTIC SODA
Hugh K. Moore, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
Application October 26, 1932, Serial No. 695,198
2 Claims. (Cl. 204—9)



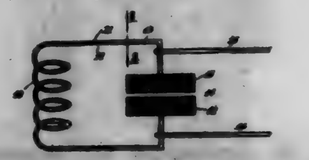
1. A method of purifying a body of caustic soda solution contaminated by dissolved complex impurities tending to blacken the solid caustic soda recovered by evaporating aqueous content of the solution which comprises exposing said body of solution to cathodic electrolyzing action while keeping only a small fraction of said body exposed to anodic electrolysing action and out of circulatory communication but in electrical communication with the rest of said body, thereby splitting up said impurities to insoluble ones colloidally suspended in the solution and imparting an inky appearance thereto, heating the solution to ebullition to coagulate the colloidally suspended impurities in distinctly coarsened condition, and removing the coarsened impurities from the solution.

2,031,845
CAN OPENER
Launcelot R. Morgan, Tucson, Ariz.
Application February 23, 1934, Serial No. 712,516
3 Claims. (Cl. 220—24)



1. In a can closure, the combination of a spring supported arm carried within the top of the can and adjacent thereto; spaced apart openings through the top of said can; spaced apart closure plugs carried on said arm to control the openings in the top of the can; and a sealing strip carried across the top of the can secured thereto around the openings to seal the can prior to use.

2,031,846
ELECTRIC OSCILLATION CIRCUIT
Herbert Muth, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin Germany, a corporation of Germany
Application April 19, 1930, Serial No. 445,599
In Germany May 24, 1929
13 Claims. (Cl. 250—40)

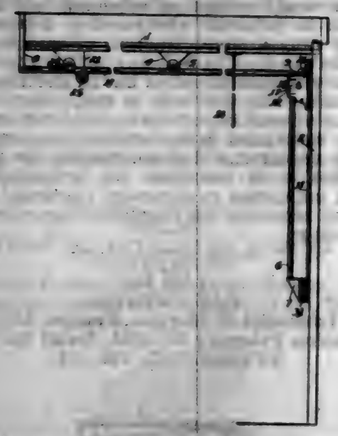


5. An oscillation circuit comprising an inductance having a single continuous core of solid non-conducting material, a continuous layer of conducting material superposed on and fixed to said core, and a layer of chemically inactive conducting material over said first mentioned layer of conducting material.

2,031,847
OVERHEAD SLIDING DOOR
Paul Nayler, Long Branch, Ontario, Canada
Application December 7, 1934, Serial No. 756,436
11 Claims. (Cl. 20—19)

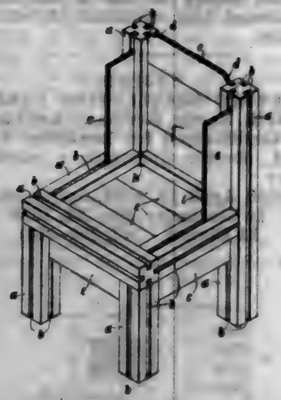
10. An overhead sliding door construction comprising a door frame provided with a vertical track at each side; a carriage slidable on each track; a one-piece door disengageably supported by and swingable on said carriages, the point

of support of the door being substantially midway between the top and bottom thereof; and



counterbalances connected with the carriages to partly support the weight of the door.

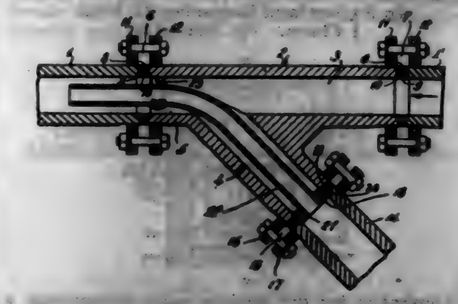
2,031,848
CONSTRUCTIONAL TOY
Ronald Ogden, Slough, England
Application October 24, 1934, Serial No. 749,792
In Great Britain October 28, 1933
2 Claims. (Cl. 46—31)



1. A toy construction set comprising flat ended struts having a symmetrical cross section provided for the whole length of their faces with similar grooves of cross section substantially rectangular and panels adapted to fit the grooves of the struts, the panels and struts being designed in pairs in each of which the panel length exceeds that of the strut by twice the depth of the grooves.

2,031,849
PIPE FITTING
John J. O'Leary, Petersburg, Va., assignor to Atmospheric Nitrogen Corporation, New York, N. Y., a corporation of New York
Application May 2, 1930, Serial No. 449,220
8 Claims. (Cl. 285—22)

1. In combination with branch conduits for conveying gases having widely different temperatures and a main conduit for conveying a mixture of said gases, a branched pipe fitting having branches connected to said branch conduits and a stem joined to said main conduit by means of a packed joint, and means for protecting said packed joint from sudden changes in temperature caused by varying the relative amounts of said gases introduced into the main conduit through



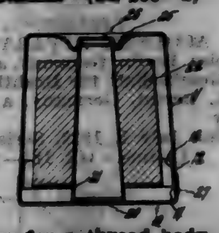
said fitting, said means comprising a tube mounted concentrically in one of said branches and extending therethrough, through the stem of the fitting and to within said main conduit beyond said packed joint, whereby the temperature condition of said joint is maintained substantially constant.

2,031,853
SHELL RELOADING MACHINE
Clarence E. Peterson, San Diego, Calif.
Application July 10, 1933, Serial No. 679,734
5 Claims. (Cl. 86—27)



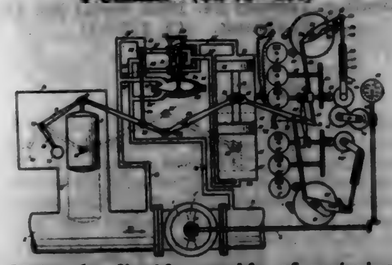
1. In a shell re-loading machine, a table, a shell registering plate revolubly mounted thereon and adapted to carry a plurality of shells, a reciprocable support mounted above said table and plate, a plurality of elements for preparing and re-loading shells depending from said support and arranged in a circle so as to register with a plurality of shells held by said registering plate and act in concert thereupon when said support is reciprocated, and stop means including a portion carried by said support, and a portion engageable by a shell when said plate is revolved beyond the position assumed for completion of the re-loading operation, said stop means arranged to require rotation of said registering plate to advance the relation of the shells with respect to said element after each reciprocation of said support.

2,031,851
CONTAINER FOR THREAD BODIES
Paul Pinabiet, Fort Chester, N. Y., assignor, by mesne assignments, to Menihed Pulp Corporation, Dover, Del., a corporation of Delaware
Application January 27, 1934, Serial No. 708,068
9 Claims. (Cl. 206—1)



1. A container for a thread body, comprising a shallow receptacle and a deep cover of paper pulp molded to ultimate shape and moisture resistant, said receptacle having a central boss projecting upward to engage and center the lower end of a conical thread cop, said receptacle having the central portion of its top molded to engage and to center the upper end portion of a cop seated on said boss.

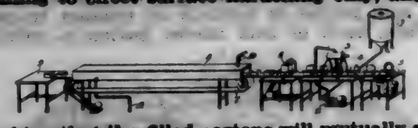
2,031,852
METER FOR LIQUIDS
Jean Pierre Edmond Paillet, Chemin de la Feuillense, Saint Cloud, France, assignor to Etablissements Pompes Guinard (Pompes Guinard & Etablissements Cohendet Reunis), Chemin de la Feuillense, Saint Cloud, France, a corporation of France
Application June 27, 1934, Serial No. 732,558
In France July 4, 1933
4 Claims. (Cl. 73—197)



1. Meter for liquids capable of metering the weights of liquids of varying densities, particularly of liquids with irregular expansion coefficients, such as oils, petrols, petroleums and alcohols, comprising flow responsive means having a movable member in said means, a correcting device consisting in a float sunk into the liquid to be metered, a counterweight and means for balancing said float by said counterweight, a register, a transmission with variable ratio inserted between the movable member of said flow responsive means and the register, a hydraulic servo-motor comprising a power member driven by the pressure of the metered liquid, means for controlling said servo-motor by said correcting device, and means whereby said servo-motor is made to vary the ratio of the transmission.

2,031,853
PACKAGING MOLTEN SOAP
Ralph H. Potts, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Application April 24, 1931, Serial No. 532,569
7 Claims. (Cl. 226—92)

1. The method of packaging soap which consists in flowing the soap while in a hot liquid condition into commercial cartons, superficially chilling to effect surface hardening only, and so

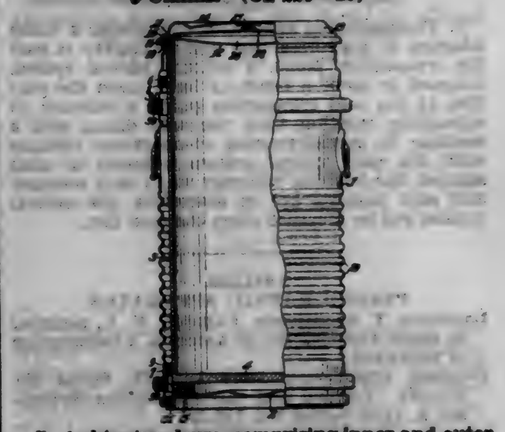


packing that the filled cartons will mutually support each other against deformation while hardening throughout.

2,031,854
SURFACE-FINISHED PAPER
George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application September 11, 1931, Serial No. 562,426
1 Claim. (Cl. 91—68)

A paper whose fibrous body portion is sized and made water-resistant by the dissemination therein of about 2½% to 5%, based on the weight of dry fiber, of a water-resistant sizing agent, and at least one face of which is surfaced with a pellicle of regenerated cellulose receptive of and penetrable by printing and writing inks, said pellicle being developed in situ from a smooth, thin film of solution deposited on said paper base and being so intimately bonded with the main body of the paper as to constitute therewith in effect a single ply of integral structure.

2,031,855
SANITARY SHIPPING CONTAINER
Charles H. Rollason, Wheeling, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application November 6, 1931, Serial No. 573,327
9 Claims. (Cl. 220—10)



7. A shipping drum, comprising inner and outer containers, an inner cover for the inner container, and an outer cover for both containers, said outer cover having bearing engagement with said inner cover at both the periphery and central portion thereof, said engagement at said central portion being resilient.

2,031,856
MACHINE FOR FILLETING FISH
Harold Stanley Rowton and John Leslie Rowton, Aberdeen, Scotland
Application October 25, 1933, Serial No. 695,092
In Great Britain October 29, 1932
31 Claims. (Cl. 17—3)

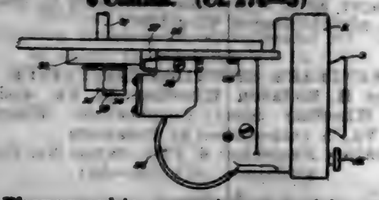
1. A filleting tool for a fish-dressing machine

comprising a pair of spaced elongated blades positioned adjacent the surface of the machine upon which the fish rests, means for supporting said blades in position in relation to said surface, each of said blades having a pointed



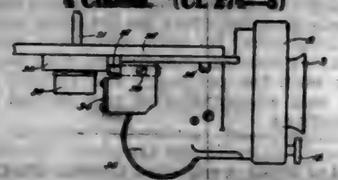
forward extremity and a cutting edge which gradually recedes further from said surface as the cutting edge approaches the rear of said blade, said cutting edges also diverging away from each other towards the rear of said blades.

2,031,857
PHONOGRAPHIC APPARATUS
Lawrence T. Sachtleben, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application June 1, 1933, Serial No. 673,863. Divided and this application April 27, 1934, Serial No. 723,748
6 Claims. (Cl. 274—5)



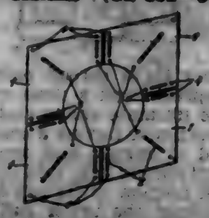
1. Phonographic apparatus comprising a drum adapted to support a film and to convey it past the translation point, a unitary optical system adapted to focus a beam of light upon the said film at the said translation point, a bushing in concentric relation with the said drum, and a member in predetermined co-operative relation with the said optical system adapted to abut against the bushing whereby when said member and said bushing are in abutment, the optical system will be focussed upon the said film.

2,031,858
PHONOGRAPHIC APPARATUS
Lawrence T. Sachtleben, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application June 1, 1933, Serial No. 673,863. Divided and this application November 9, 1934, Serial No. 752,235
4 Claims. (Cl. 274—5)



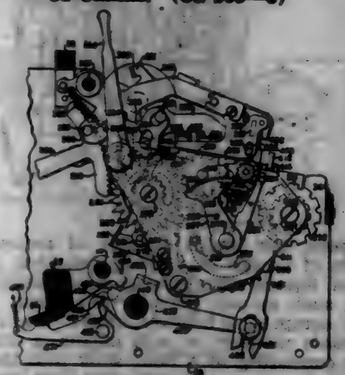
1. Phonographic apparatus comprising a drum adapted to support a film and to convey it past a recording or reproduction point, a unitary optical system adapted to focus a beam of light upon the said film at the said recording or reproduction point, a bushing in concentric relation with the said drum, and a member in predetermined co-operative relation with the said optical system adapted to abut against the bushing whereby when said member and said bushing are in abutment, the optical system will be focussed upon the said film.

2,031,859
ACOUSTIC APPARATUS
Carl Schapira, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 1, 1933, Serial No. 678,612
2 Claims. (Cl. 181—31)



1. A support for an encased loudspeaker, with this characteristic feature that the frame for supporting the diaphragm and its associated driving system, is secured on a sheet wall which is strengthened by elongated corrugations formed therein.

2,031,860
CASH REGISTER
Bernis M. Shipley, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application January 24, 1930, Serial No. 423,210
31 Claims. (Cl. 235—3)



1. In a machine of the class described; the combination with a group of type elements; and a printing hammer therefor; of a pivoted frame to pivotally support the hammer, the frame being adapted to be swung to expose other mechanism; a floating lever on the frame to operate the hammer; and a projection on the frame to restrain the hammer in its normal position relative to the frame when said frame is swung.

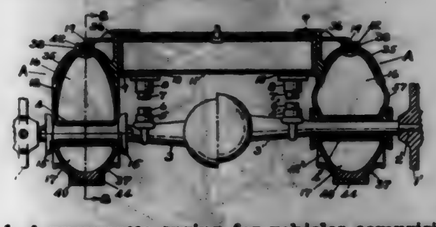
2,031,861
SWITCH BOX LATH CLAMP
Joseph E. Slunck, Omaha, Nebr.
Application January 23, 1935, Serial No. 2,816
2 Claims. (Cl. 247—31)

1. In a switch box lath clamp, a switch box, an outwardly extending flange on the switch box, said box having a slot adjacent to and parallel with said flange, an inwardly extending flange along one edge of said slot, and a clamping mem-



ber pivotally mounted on the inwardly extending flange and adapted to be moved pivotally outward through the slot in spaced relation with the outwardly extending flange.

2,031,862
PNEUMATIC AUTOMOBILE SPRING
Herschel D. Smith, Buffalo, N. Y., assignor of one-half to Harris P. Richardson, Buffalo, N. Y.
Application July 23, 1934, Serial No. 736,536
13 Claims. (Cl. 267—35)

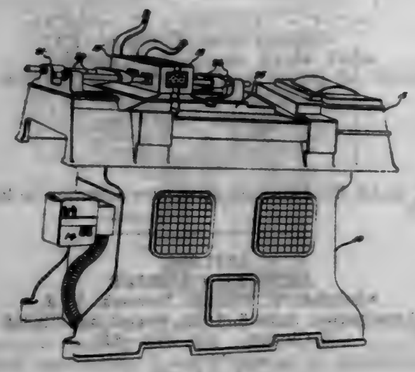


1. A pneumatic spring for vehicles comprising a substantially circular casing and cover, projections on said casing, means to attach said casing to a vehicle frame, a resilient air container in said casing and cover including a partition below the center of said container to divide said container into a large upper chamber and a smaller lower chamber, means to form an air passage between said upper and lower chambers, bosses on said container to cooperate with the projections on said casing, and means extending transversely through said partition to connect said spring to the axle of said vehicle.

2,031,863
WELDED ARTICLE AND PROCESS THEREFOR
Samuel A. Snell, Toledo, Ohio, assignor to The Bingham Stamping & Tool Company, Toledo, Ohio, a corporation of Ohio
Application April 25, 1931, Serial No. 532,926
12 Claims. (Cl. 219—16)

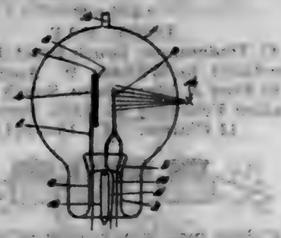
7. A core for a hollow member comprising a member of compressible material normally of larger dimension than the interior dimension of the hollow member, said member having recesses to accommodate distorted metal of the hollow member.

10. The method of effecting a flash weld between the edges of complementary blanks, which consists in employing a yielding resistance of fibrous insulating material interposed between the blanks to hold the surfaces to be welded in suitable relation for flashing, and applying a push-up pressure against the counter-resistance of said member to force the blanks together to complete the weld.



11. An article of manufacture fabricated of sheet metal elements, certain portions of said elements being welded together forming a hollow metallic structure; and a permanent core member formed of compressible electrical insulating material compressibly interposed within said hollow metallic structure.

2,031,864
PHOTOELECTRIC TUBE
Marten Cornelis Teves and Hendrik Johannes Moerkamp van Embden, Eindhoven, Netherlands, assignors to the N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application November 23, 1931, Serial No. 576,836
In Germany December 6, 1930
10 Claims. (Cl. 250—27.5)

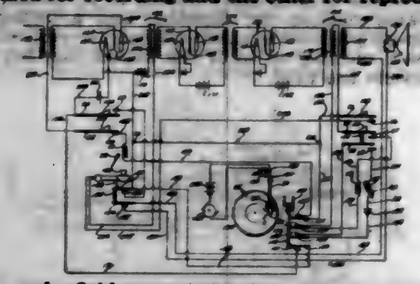


1. A photo-electric device comprising an electrically conducting electrode, a non-conducting solid material thereon, a photo-electric electron emitting layer on said solid material, an electron-emitting body mounted in spaced relation with respect to said photo-electric layer, and an auxiliary electrode interposed in the space path between the electron-emitting body and the said photo-electric layer.

2,031,865
SYSTEM AND APPARATUS FOR RECORDING AND REPRODUCING SOUND
Adolph A. Thomas, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 7, 1931, Serial No. 526,956
29 Claims. (Cl. 179—100.11)

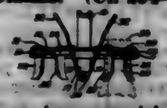
29. A combined recording and reproducing unit having two electro-magnetic coils, one of which

is used for recording and the other for reproduc-



ing, and a field magnet structure common to both coils.

2,031,366
ARTICLE CARRIER
Adolphus E. Thuma, Newark, N. J.
Application July 5, 1935, Serial No. 29,900
4 Claims. (Cl. 294—87)



1. An article carrier comprising a plate having an aperture therein for receiving a portion of the article, said plate having a guide slot adjacent said aperture, a jaw member secured to said plate adjacent said aperture, another jaw member on said plate in cooperative relation to said first jaw member and adapted to grasp said portion of said article therewith, said second jaw member having a flange slidably disposed in said guide slot, resilient means drawing said second jaw member toward said first jaw member, and a lever coupled to said second jaw member for slidably moving said second jaw member away from said first jaw member.

2,031,367
DOOR MAT
Clinton C. Tiedemann, South Bend, Ind., assignor of one-third to William W. Austin and one-third to Fred A. Murmann, South Bend, Ind.
Application February 25, 1935, Serial No. 8,173
11 Claims. (Cl. 15—161)



1. In a door mat, a plurality of cleaning elements, a carrier for each element including a base and vertical walls for confining said element, said walls terminating in horizontally extending outwardly off-set portions whose ends extend inwardly and terminate in outwardly spaced relation to said element, and means extending between adjacent carriers and including flanges fitting into the off-sets of adjacent carriers below the ends thereof.

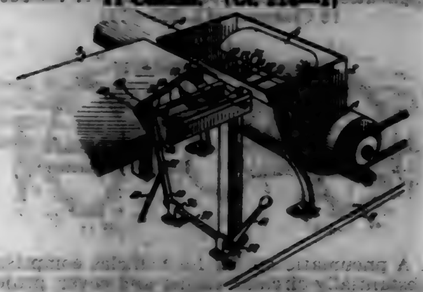
2,031,368
SHOE LASTING JACK
Joseph Toscano, Brooklyn, N. Y.
Application November 1, 1934, Serial No. 751,985
3 Claims. (Cl. 12—122)

1. A shoemaker's stand comprising a table, an adjustable column on which said table is rotatably mounted, stepped means associated with said column to positively support said table at predeterminable heights, a toothed disc fixed on said column below the table, a spring actuated detent slidably mounted below said table to en-



gage the teeth of said disc selectively, and means on said table for supporting a shoe last.

2,031,369
MECHANISM FOR EMPTYING CONTAINERS
John E. Trostle, Glasgow, Tex.
Application March 19, 1934, Serial No. 716,151
11 Claims. (Cl. 214—1)



1. In combination with a hopper, a container opening mechanism including supports extending in spaced parallel relation across the hopper for supporting the respective ends of a container, a knife, and means supporting the knife for movement between the supports to slit the intermediate portion of the container.

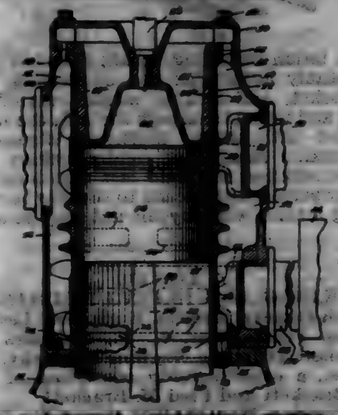
2,031,370
PNEUMATIC APPLIANCE
Louis Abbott Vertrees, Oak Park, Ill.
Application April 13, 1934, Serial No. 721,345
5 Claims. (Cl. 128—327)



2. In a pneumatic appliance of the class described, combined wall sections providing an inflation chamber, one of said wall sections being expansible and adapted to encircle and circumferentially impinge a user's limb, the other of said wall sections being substantially non-extensible

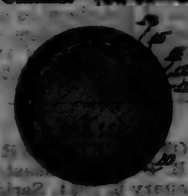
and circumferentially cooperating with said expansible section to form said inflation chamber, said non-extensible wall section extending from the marginal portion of the expansible wall section at the point where said marginal portion is adapted to engage the user's limb to the corresponding opposite marginal portion of said expansible wall section, said non-extensible wall section at said marginal portions being adapted when said chamber is inflated to be pressed against the user's limb whereby to counteract tendency for the appliance to experience axial shifting when inflated and to counteract axial bulging, and air conducting means communicating with said inflation chamber.

2,031,371
ENGINE
Edward T. Vincent, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application December 2, 1934, Serial No. 755,674
10 Claims. (Cl. 123—196)



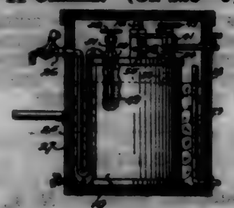
1. In an internal combustion engine of the sleeve valve type having a crankcase, a cylinder, sleeve valve means operable in said cylinder, a cylinder head structure for closing the outer open end of the cylinder, a piston operable in said cylinder and cooperating with the cylinder head to define a combustion chamber, and means introducing air under pressure greater than atmospheric intermediate the cylinder and sleeve valve means and intermediate the said combustion chamber and crankcase.

2,031,372
ROLLER
Andrew Morris Wightman, Chicago, Ill., assignor to Rapid Roller Company, Chicago, Ill., a corporation of Illinois
Application July 30, 1934, Serial No. 737,461
6 Claims. (Cl. 91—67.5)



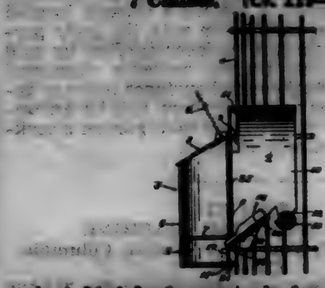
1. An impression roller comprising a metal core, a hard rubber base layer secured thereto, a body rubber layer over said hard rubber layer, an outer surface layer of hard rubber and a cushioning layer of soft rubber between said body layer and said surface layer, all of said layers being firmly bonded together.

2,031,373
LIQUID DISPENSER
Elmer R. Williams, Tulsa, Okla.
Application August 6, 1934, Serial No. 738,452
11 Claims. (Cl. 225—9)



1. A liquid beverage dispenser comprising, an upright cooling tank, an influent inlet within the tank and below its top located to discharge an admixture of liquid and gas in solution onto the wall of the tank above the liquid level therein, a liquid conductor for conveying liquid from the bottom of the tank, a liquid dispensing conductor connected with the conveying conductor, a gas conductor for conducting gas from the upper end of the tank and connected with the liquid conductors for mixing the gas with the liquid, the gas conductor having a reduced gas inlet port, a valve for controlling the supply of gas to the flowing liquid, and a pressure signal having an inlet in the tank below the normal liquid level therein.

2,031,374
BIRD FEED RECEPTACLE
Ludovica Butler and Joseph D. Butler, San Francisco, Calif.
Application March 26, 1934, Serial No. 717,449
7 Claims. (Cl. 119—18)

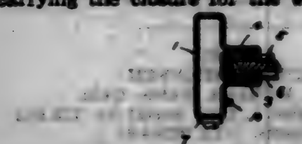


1. A bird feed receptacle for bird cages, comprising a closed compartment located outside the cage for holding the bird feed and having an opening in the side thereof adjacent the cage; a hooded vestibule attached to the side of the compartment having the opening therein and located within the cage, said compartment and vestibule being notched to receive a portion of the cage therein for removably supporting the receptacle on the cage.

2,031,375
COMBINATION STORM WINDOW AND SCREEN
Harry O. Dobie, Superior, Wis.
Application October 30, 1934, Serial No. 750,111
1 Claim. (Cl. 189—64)

A window sash comprising in combination a hollow sheet metal sash member having a U-

shaped projection centrally of the inner wall thereof, and a U-shaped sash for slidable engagement within said projection, said slidable sash carrying the closure for the window, and cushioning means surrounding the outer portion of said U-shaped sash with the opposed edges of said cushioning member turned inwardly intermediate of the window closure and the opposed side walls of the U-shaped sash.



2,031,876
AIRPLANE
Vincent J. Burnelli, Keyport, N. J., assignor to Burnelli Aircraft, Ltd., a corporation of Delaware
Application February 19, 1935, Serial No. 7,274
3 Claims. (Cl. 244—12)



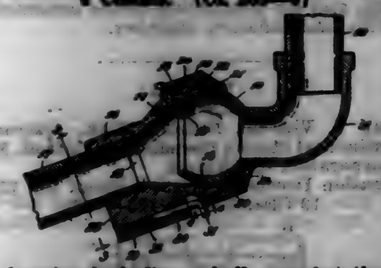
1. An airplane having a lift producing airfoil-shaped body portion with an enclosed space therein, a pair of empennage carrying booms extending rearwardly from said body portion, one at each side thereof, a gunner's cockpit located at the junction of each boom with the body portion, horizontal control surfaces carried by said booms, and vertical control surfaces supported upon said horizontal control surfaces midway between said booms whereby there will be an unobstructed range of fire from each gunner's cockpit in excess of ninety degrees.

2,031,877
SHAKE SPLITTING MACHINE
James C. Butler, Vancouver, British Columbia, Canada
Application November 6, 1934, Serial No. 751,766
8 Claims. (Cl. 144—142)



1. A power driven shake splitting machine comprising, a slide bed and a slidable reciprocating carriage frame and cross head mounted thereon, a pair of pivoted and tilting tables positioned intermediate of the sides of said slide bed, a stationary and double edged knife positioned intermediate of said tables and transversely of said slide bed, table tilting slides positioned below said slide bed, means engaging said slides and said reciprocating carriage whereby said slides are moved to cause said pivoted tables to alternately tilt as said carriage is reciprocated so that a block of wood positioned within said carriage frame and upon one of said tilting tables is forced against said stationary knife tilted in one direction and drawn against said knife tilted in an opposite direction whereby shakes are caused to be split from the bottom face of said block of wood.

2,031,878
ANGULAR BALL SWIVEL UNION
Alfred Joachim Cesta, Detroit, Mich.
Application October 22, 1935, Serial No. 45,151
6 Claims. (Cl. 285—9)



6. A union including a ball, a socket therefor, a rotatably adjustable nut connecting the ball and socket, and locking means carried by the socket and urged to engage the nut, the nut being provided with means positively engageable by said locking means for rigidly locking the nut against rotation and said last mentioned means being provided with means to slidably receive said locking means, whereby the nut may be adjusted.

2,031,879
FOLDING AND GLUING MECHANISM
Dietrich Daneke, Topeka, Kans., and Lee C. Williams, Pearl River, N. Y., assignors to The Brackett Stripping Machine Company, Topeka, Kans., a copartnership consisting of Edward M. Brackett and Fred M. Brackett
Application May 18, 1934, Serial No. 726,322
15 Claims. (Cl. 93—1)



1. In an apparatus of the character described, a support, conveyors for moving superimposed sheets along the support, means for mounting one of the conveyors on the support for movement to and from the other, means for applying glue in spaced relation to an edge of one of the sheets, means carried by the mounting means for pressing the sheets against the support, means bearing on the glued edge of the sheet to prevent curling of said edge, and a folding shoe carried by the support for folding the edge of the other sheet over said glued portion of the first sheet.

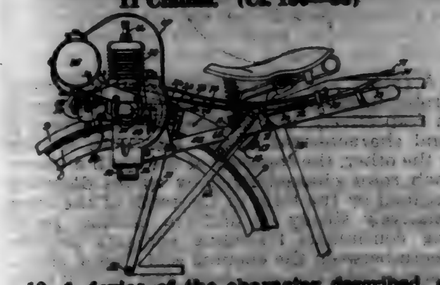
2,031,880
BOTTLE STOPPER
Arthur E. Dodge, Lancaster, Pa.
Application January 2, 1934, Serial No. 704,583
1 Claim. (Cl. 215—38)

A bottle stopper comprising a cylindrical cork body having an arcuate recess in its upper face intersecting the axis thereof and having its ends terminating some distance from the periphery of the cork, a cap of moldable material having a recessed bottom and a centrally located fin



formed integral with the recessed bottom of the cap and of an arcuate shape and size to correspond and snugly fit the recess in the upper face of the cork, and the cap and fin cemented to the cork.

2,031,881
MOTOR BICYCLE
Ole Evinrude, Milwaukee, Wis., assignor to Outboard Motors Corporation, Milwaukee, Wis., a corporation of Michigan
Application December 26, 1933, Serial No. 703,955
11 Claims. (Cl. 180—33)



10. A device of the character described, comprising the combination with clamping members applicable to the rear fork of a bicycle, of a bracket projecting rearwardly therefrom, a propelling device comprising a frame pivoted to the bracket, an engine cylinder on the frame, an engine driven driving roller engageable and disengageable with a bicycle wheel upon the pivotal movement of said frame, exhaust means connected with the cylinder, and a lever rigidly connected with the exhaust means and projecting forwardly beyond said bracket, said lever being of a length such that its end will be available for manipulation in front of the rider of a bicycle to which said bracket is applied for adjusting said frame and device about said pivotal connection with said bracket.

2,031,882
HEATING OF RADIATORS
Arthur C. Frommann, Norfolk, Va.
Application February 8, 1934, Serial No. 710,365
1 Claim. (Cl. 219—38)



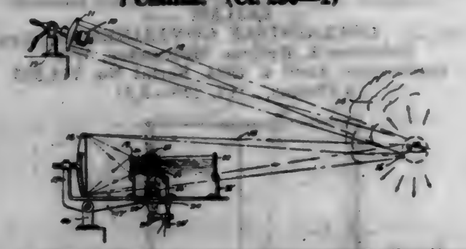
In a heater of the character described, a radiator having a plurality of tubular sections connected by ring-like nipples, an electric heater comprising a cylindrical cartridge inserted directly in one end of the lower end of the radiator and disposed to extend through and be laterally spaced from the nipples at least at one side of the cartridge, a heating unit within the cartridge substantially midway the ends thereof and substantially one third the length of the cartridge, the heating unit contacting the wall of the cartridge and a heat resistant packing at the inner end of the cartridge whereby water in the lower ends of the sections spaced from the cartridge will flow through the spaces between the nipples and inner end of the cartridge towards the central portion of the cartridge carrying the resistance means.

2,031,883
UPHOLSTERY FOR SEAT BACKS
William A. Geidis, Grand Rapids, Mich.
Application March 25, 1935, Serial No. 12,837
2 Claims. (Cl. 155—184)



1. In combination with a seat back, an upholstering structure comprising, a sheet metal plate, padding and a fabric cover thereover located at the front side of the plate, said fabric cover extending back of the plate and connected therewith, and penetrating means, each having a head at its front end, connected with the seat back at its front side and extending forwardly and through the metal plate for securing the upholstering structure over and at the front face of the seat back, said penetrating means being susceptible to the impact of a tool through the padding and its fabric cover.

2,031,884
SHORT WAVE SOUND SYSTEM FOR VISUALLY OBSERVING
Jesse L. Gray, Dallas, Tex.
Application September 8, 1930, Serial No. 480,373
7 Claims. (Cl. 250—1)



1. The method of transposing sound vibrations into light ray vibrations which consists, in projecting sound waves onto an object, whereby said waves are deflected and modified in varying intensities according to the structure of the object, collecting some of the modified sound waves and focusing them onto sensitive vibratory reflecting elements relative to their position of reflection from the object, directing light rays onto said elements, whereby said light rays are reflected in vibrating light beams of varying degrees of vibration according to the varying sound intensities, and producing a coarse half tone picture from said vibrating light beams.

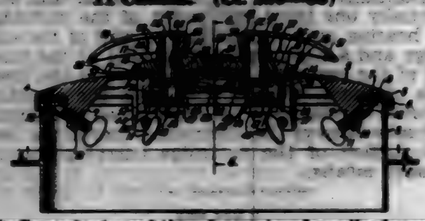
2,031,825

CLOSURE MEMBER FOR FILL OPENINGS

Otis N. Grodell, Kansas City, Mo., assignor to Standard Steel Works, North Kansas City, Mo., a corporation of Missouri

Application May 18, 1932, Serial No. 612,043

11 Claims. (Cl. 220—55)



1. In a device of the character described, a closure member, a shaft rotatably supported by the closure member, a clamping member supported on the shaft for rotation therewith and rockable thereon in a plane parallel to the axis of the shaft, a spring yieldingly retaining the clamping member in clamping position, and a handle member on the shaft for rotating the clamping member to and from clamping position.

2,031,826

DISPENSING CONTAINER

Solomon A. Heifetz, Milwaukee, Wis.

Application January 29, 1934, Serial No. 708,734

4 Claims. (Cl. 206—56)



1. A device of the class described comprising a tubular tearable container, and a stiff relatively stronger encircling collar slidable thereon whereby a portion of the container may be torn away against said collar.

2,031,827

COLLAPSIBLE CONTAINER

Solomon A. Heifetz, Milwaukee, Wis.

Application April 4, 1934, Serial No. 715,895

5 Claims. (Cl. 229—5.5)



1. In a device of the class described a cylindrical body portion formed of a single sheet of material having a seam with edges folded back, a resilient coating formed on the contact edges of said seam, a ring encircling the lower edge of said cylindrical portion, and a pad of resilient material interposed between said ring and said cylindrical portion at the lower end of said seam.

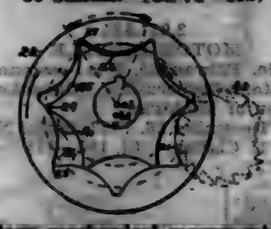
2,031,836

TOOTH CURVE FOR ROTORS AND GEARS

Myron F. Hill, Lansdowne, Pa., assignor to Hill Engineering Company, Inc., a corporation of New York

Original application August 24, 1931, Serial No. 559,290. Divided and this application January 27, 1933, Serial No. 653,254. Renewed October 5, 1933

36 Claims. (Cl. 74—462)



1. A rotary mechanical movement comprising two rotor members having internal and external teeth respectively, one member within, eccentric to, and characterized by one less tooth division than the other, the contours of the tooth divisions of each rotor characterized by curves described or outlined by the form of the teeth of the other at relatively steady or uniform angular speed, having continuous travelling contacts between the teeth between the opening and closing chambers across both the open mesh and the full mesh regions, said sliding contact curves on the inwardly convex teeth of the outer rotor including curves generated inwardly by approximately circular convex arcs, the teeth of the outer rotor being substantially wider than those of the inner rotor.

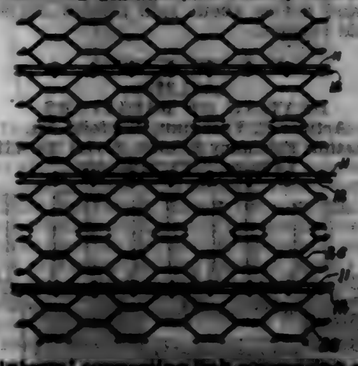
2,031,839

COUPLING LINK

Earl W. Hineberger, Seattle, Wash., assignor to Pacific Marine Supply Company, Seattle, Wash., a corporation of Washington

Application February 16, 1934, Serial No. 711,021

1 Claim. (Cl. 245—9)



An integral connecting link comprising straight portions forming a short lapped side-bar, a longer straight tension-bar terminating in inturned, curved bearing-bends having a comparatively short radius, and a pair of deflector bars disposed at oppositely inclined acute angles to the tension-bar and located between said bearing-bends and the short side-bar.

2,031,880

SPOOL HOLDER

Louise C. Hogan, Spokane, Wash.

Application April 16, 1934, Serial No. 720,796

Renewed November 15, 1935

1 Claim. (Cl. 242—124)



A spool holder consisting of a strand of resilient wire bent back upon itself intermediate its length to form a standard and an arm spaced transversely from the standard and having one end integrally united with the adjoining end of the standard by an arcuate portion, the other end of the standard being formed with a support engaging portion, said arm being bowed outwardly and having its other end portion bent to form an inwardly extending loop loosely engaged about the standard adjacent the support engaging portion thereof and constituting an abutment for engaging an end face of a spool and limiting movement of the arm and standard through the bore of a spool thrust upon the holder and held thereon by frictional grip of the arm and standard.

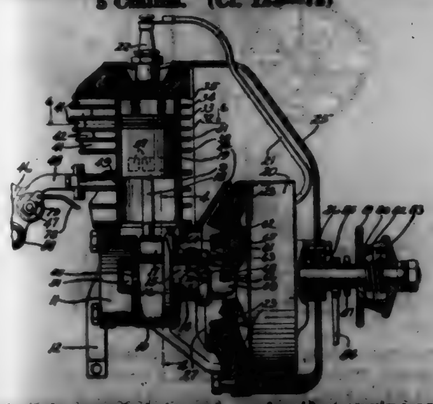
2,031,891

INTERNAL COMBUSTION ENGINE

Finn T. Irgens, Wauwatosa, Wis., assignor to Outboard Motors Corporation, Milwaukee, Wis., a corporation of Michigan

Application April 9, 1934, Serial No. 719,686

5 Claims. (Cl. 123—73)



1. A two cycle internal combustion engine comprising the combination with a cylinder having a transfer passage in its side opening into the cylinder, of a crank case connected to the cylinder and provided with crank shaft bearing means, a crank shaft journaled in said means, and a detachable closure for one end of said crank case provided centrally with an opening and including means providing a passage communicating with the passage of said cylinder.

2,031,892

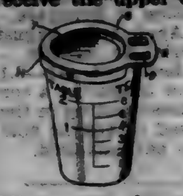
MEDICINE GLASS COVER

Edward Johnsen, Montclair, N. J., assignor to Meinecke & Company, New York, N. Y., a corporation of New Jersey

Application May 3, 1935, Serial No. 19,659.

4 Claims. (Cl. 46—15)

3. A medicine glass cover comprising a plate having a central depression adapted to seat within a glass and forming a receptacle for medicines, a depending flange extending around a portion of the periphery thereof and cooperating with the walls of said central depression to form a groove adapted to receive the upper edge of the glass



and card-holding means formed integrally with said cover between the ends of said depending flange, said means projecting above the top surface of said cover to engage the edge of the card so as to hold the card in place over the cover without concealing the insignia on said card.

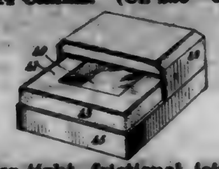
2,031,893

MERCHANDISE CONTAINER

Everett W. King, Norwalk, Conn., assignor to The Lamb-Felder-Schang Co., Inc., Rochester, N. Y., a corporation of New York

Application February 11, 1935, Serial No. 5,996

14 Claims. (Cl. 229—6)



1. A powder-tight, frictional joint for a container for finely comminuted material comprising two container parts having opposed surfaces in snug face-to-face contact, the opposed surface portion of one of said parts at the joint being of a velvety character having substantially the physical properties of the surface portion of the material known as velure.

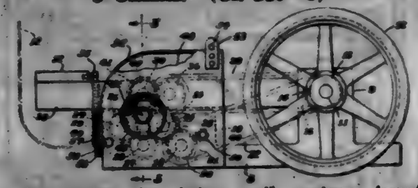
2,031,894

APPARATUS FOR TYING COIL SPRINGS TOGETHER

Samuel Krakauer and Samuel E. Marcus, New York, N. Y.

Application October 25, 1934, Serial No. 750,002

5 Claims. (Cl. 140—3)



1. Apparatus for tying coil springs together with a spirally formed wire comprising a table, a plurality of rollers mounted thereon, means to rotate the rollers, said rollers being formed with grooves relatively arranged to receive the spirally formed wire, whereby as the rollers rotate they will move the wire toward the springs to be tied thereby while simultaneously rotating the spirally formed wire, means to move the rollers out of cooperating relation to stop said forward and rotating movement of the wire as desired without stopping rotation of the rollers, and an actuating member for said last means mounted across the front of the table.

2,031,835
CLOSURE MEMBER FOR FILL OPENINGS
Otto N. Grodell, Kansas City, Mo., assignor to Standard Steel Works, North Kansas City, Mo., a corporation of Missouri
Application May 18, 1932, Serial No. 612,043
11 Claims. (Cl. 220—55)



1. In a device of the character described, a closure member, a shaft rotatably supported by the closure member, a clamping member supported on the shaft for rotation therewith and rockable thereon in a plane parallel to the axis of the shaft, a spring yieldingly retaining the clamping member in clamping position, and a handle member on the shaft for rotating the clamping member to and from clamping position.

2,031,836
DISPENSING CONTAINER
Solomon A. Heifetz, Milwaukee, Wis.
Application January 29, 1934, Serial No. 708,728
4 Claims. (Cl. 206—63)



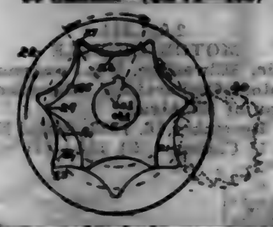
1. A device of the class described comprising a tubular tearable container, and a stiff relatively stronger encircling collar slidable thereon whereby a portion of the container may be torn away against said collar.

2,031,837
COLLAPSIBLE CONTAINER
Solomon A. Heifetz, Milwaukee, Wis.
Application April 4, 1934, Serial No. 718,885
5 Claims. (Cl. 229—5.5)



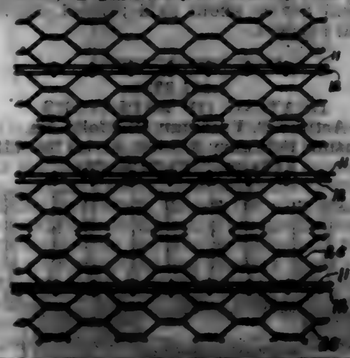
1. In a device of the class described a cylindrical body portion formed of a single sheet of material having a seam with edges folded back, a resilient coating formed on the contact edges of said seam, a ring encircling the lower edge of said cylindrical portion, and a pad of resilient material interposed between said ring and said cylindrical portion at the lower end of said seam.

2,031,838
TOOTH CURVE FOR ROTORS AND GEARS
Myron F. Hill, Lansdowne, Pa., assignor to Hill Engineering Company, Inc., a corporation of New York
Original application August 24, 1928, Serial No. 301,280. Divided and this application January 27, 1931, Serial No. 511,816. Renewed October 5, 1932
34 Claims. (Cl. 74—462)



1. A rotary mechanical movement comprising two rotor members having internal and external teeth respectively, one member within, eccentric to, and characterized by one less tooth division than the other, the contours of the tooth divisions of each rotor characterized by curves described or outlined by the form of the teeth of the other at relatively steady or uniform angular speed, having continuous travelling contacts between the teeth between the opening and closing chambers across both the open mesh and the full mesh regions, said sliding contact curves on the inwardly convex teeth of the outer rotor including curves generated inwardly by approximately circular convex arcs, the teeth of the outer rotor being substantially wider than those of the inner rotor.

2,031,839
COUPLING LINK
Karl W. Blasberger, Seattle, Wash., assignor to Pacific Marine Supply Company, Seattle, Wash., a corporation of Washington
Application February 16, 1934, Serial No. 711,021
1 Claim. (Cl. 245—9)



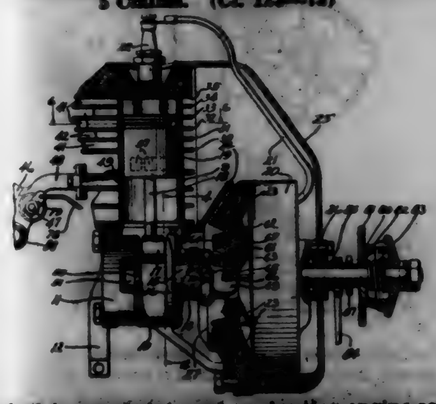
An integral connecting link comprising straight portions forming a short lapped side-bar, a longer straight tension-bar terminating in inturned, curved bearing-bends having a comparatively short radius, and a pair of deflector bars disposed at oppositely inclined acute angles to the tension-bar and located between said bearing-bends and the short side-bar.

2,031,840
SPOOL HOLDER
Louise C. Hogan, Spokane, Wash.
Application April 16, 1934, Serial No. 720,794
Renewed November 21, 1935
1 Claim. (Cl. 242—134)



A spool holder consisting of a strand of resilient wire bent back upon itself intermediate its length to form a standard and an arm spaced transversely from the standard and having one end integrally united with the adjoining end of the standard by an arcuate portion, the other end of the standard being formed with a support engaging portion, said arm being bowed outwardly and having its other end portion bent to form an inwardly extending loop loosely engaged about the standard adjacent the support engaging portion thereof and constituting an abutment for engaging an end face of a spool and limiting movement of the arm and standard through the bore of a spool thrust upon the holder and held thereon by frictional grip of the arm and standard.

2,031,891
INTERNAL COMBUSTION ENGINE
Finn T. Irgens, Wauwatosa, Wis., assignor to Outboard Motors Corporation, Milwaukee, Wis., a corporation of Michigan
Application April 9, 1934, Serial No. 719,626
5 Claims. (Cl. 123—73)



1. A two cycle internal combustion engine comprising the combination with a cylinder having a transfer passage in its side opening into the cylinder, of a crank case connected to the cylinder and provided with crank shaft bearing means, a crank shaft journaled in said means, and a detachable closure for one end of said crank case provided centrally with an opening and including means providing a passage communicating with the passage of said cylinder.

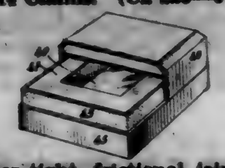
2,031,892
MEDICINE GLASS COVER
Edward Johnson, Montclair, N. J., assignor to Meinecke & Company, New York, N. Y., a corporation of New Jersey
Application May 3, 1933, Serial No. 669,822
4 Claims. (Cl. 65—18)

3. A medicine glass cover comprising a plate having a central depression adapted to seat within a glass and forming a receptacle for medicines, a depending flange extending around a portion of the periphery thereof and cooperating with the walls of said central depression to form a groove adapted to receive the upper edge of the glass



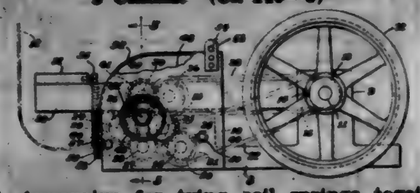
and card-holding means formed integrally with said cover between the ends of said depending flange, said means projecting above the top surface of said cover to engage the edge of the card so as to hold the card in place over the cover without concealing the insignia on said card.

2,031,893
MERCHANDISE CONTAINER
Everett W. King, Norwalk, Conn., assignor to The Lorscheider-Schang Co., Inc., Rochester, N. Y., a corporation of New York
Application February 11, 1935, Serial No. 5,996
14 Claims. (Cl. 229—4)



1. A powder-tight, frictional joint for a container for finely comminuted material comprising two container parts having opposed surfaces in snug face-to-face contact, the opposed surface portion of one of said parts at the joint being of a velvety character having substantially the physical properties of the surface portion of the material known as velure.

2,031,894
APPARATUS FOR TYING COIL SPRINGS TOGETHER
Samuel Krakauer and Samuel S. Marcus, New York, N. Y.
Application October 25, 1934, Serial No. 750,003
5 Claims. (Cl. 140—3)

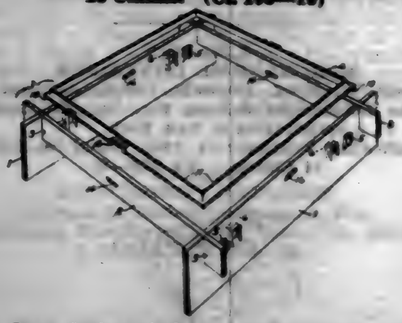


1. Apparatus for tying coil springs together with a spirally formed wire comprising a table, a plurality of rollers mounted thereon, means to rotate the rollers, said rollers being formed with grooves relatively arranged to receive the spirally formed wire, whereby as the rollers rotate they will move the wire toward the springs to be tied thereby while simultaneously rotating the spirally formed wire, means to move the rollers out of cooperating relation to stop said forward and rotating movement of the wire as desired without stopping rotation of the rollers, and an actuating member for said last means mounted across the front of the table.

2,031,895
CARBOXYLIC ACID DERIVATIVES OF SULPHURIZED CINCHONA BARK ALKALOIDS
Ralph E. Lawrence, Wickliffe, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application August 17, 1933, Serial No. 685,652
21 Claims. (Cl. 148—8.1)

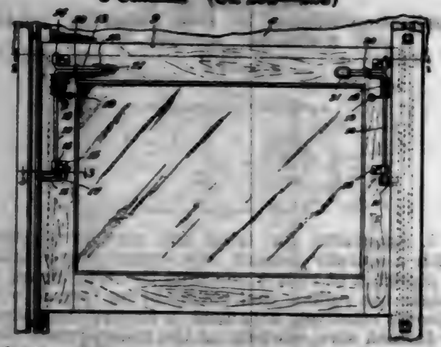
1. The process of producing a corrosion inhibitor which comprises reacting in the liquid phase with a concentrated carboxylic acid upon a sulphurized cinchona bark alkaloid.

2,031,896
MEANS FOR SUPPORTING SKYLIGHT GLASSES AND THE LIKE
George H. Lemke, Elmhurst, Ill.
Application May 15, 1935, Serial No. 21,621
12 Claims. (Cl. 108—16)



1. In a device of the character described the combination of structural members interfitted to provide a plurality of cells; a frame supported in each cell; a glass supported by said frame, the edges of said glass spaced from said members to provide a narrow channel therebetween; and means in said channel to secure said glass and frame to said members.

2,031,897
WINDOW SASH FASTENER
Albert L. Lace, Fort Valley, Ga.
Application November 19, 1934, Serial No. 753,761
3 Claims. (Cl. 292—228)

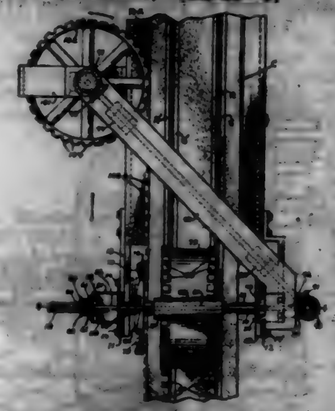


1. A sash fastener comprising upper and lower bearings adapted to be secured to a side rail of a sash in vertical spaced relation to each other, a rod to extend vertically of the side rail of a sash having its upper and lower portions journaled through said bearings and adjacent the upper bearing being folded upon itself to form an actuating handle of double strand formation projecting transversely from a side of the rod, the lower end of the rod being bent to form a window frame engaging leg projecting transversely from the rod at the opposite side thereof from said handle, and a spring coiled about said rod and having arms projecting transversely therefrom for engaging a side rail of a sash and a portion of the rod and yieldably resisting rotation of the rod in one direction.

2,031,898
METHOD OF DECOLORIZING GYPSUM
Frank Lee Marsh, Medicine Lodge, Kans., assignor to The Best Brothers Keene's Cement Company, Medicine Lodge, Kans., a corporation of Kansas
No Drawing. Application September 18, 1933, Serial No. 689,958
8 Claims. (Cl. 196—14)

1. The method of decolorizing natural gypsum material containing a carbonate including reducing the gypsum material to substantially fine size particles, admixing with the particles a quantity of sulphuric acid to neutralize the carbonate content, and calcining said material.

2,031,899
INDENTING AND STAMPING MACHINE FOR CLAY PRODUCTS, SUCH AS PAVING BRICK AND THE LIKE
Edward D. Matter, Decatur, Ill., assignor to Decatur Brick Manufacturing Company, Decatur, Ill.
Application September 17, 1934, Serial No. 744,308
3 Claims. (Cl. 25—1)



1. A lug-forming and name-stamping machine comprising in combination a frame, a horizontally disposed driving shaft journaled on said frame, a measuring drum mounted on said shaft, a conveyor belt mounted on said drum, a top lug-forming roller, a side lug-forming roller, and a cam wheel journaled on said frame and driven by said driving shaft at the same speed of rotation as said driving shaft, a series of cams carried by said cam wheel, a name-stamping plate mounted on said frame and controlled by said cams, and means for actuating said stamping plate.

2,031,900
ACOUSTICAL WALL SURFACING
Edward J. Miller, Minneapolis, Minn.
Application April 7, 1933, Serial No. 665,813
6 Claims. (Cl. 154—44)

1. As an article of manufacture, an acoustical wall surfacing unit comprising a frame of plastic material, sound absorbing material within said frame and having its edges bonded to the frame by the natural adhesion of the plastic material of which the frame is composed, and a thin flexible metal foil membrane stuck at its marginal edge portions to the frame by the inherent adhesion of the plastic material of which the frame is composed to cover the sound absorbing material and form a decorative facing therefor.

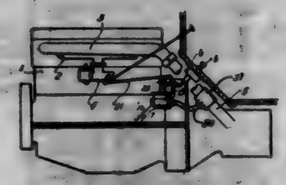
2,031,901
EXPANSION JOINT FILLER, SHEAR BAR, AND SLEEVE ALIGNMENT DEVICE
Robert E. Mitchell, Seattle, Wash.
Application April 2, 1934, Serial No. 718,696
4 Claims. (Cl. 94—51)



1. The combination with a main supporting angle bar having a depending, notched, flange, of a series of transversely arranged centering plates mounted on the bar, said plates having depending notched end-flanges alined with notches of the bar-flange to receive dowel-pins, detachable hooks pivoted on the bar for detachable engagement with the dowel-pin for holding the latter in engagement with a notch of the bar and notches of the complementary plate, and a releasing lever rigid with said hook.

2,031,902
CHOKE VALVE CONTROLS FOR MULTI-CYLINDERED INTERNAL COMBUSTION ENGINES
Cleon Edward Patton, Portland, Oreg., assignor of one-half to William Carlson, Portland, Oreg.
Application June 7, 1932, Serial No. 616,044
2 Claims. (Cl. 123—179)

1. In a device of the class described, the combination with a multi-cylinder combustion engine, a carburetor and a self-starter; of a choke controlling governor comprising a cylindrical container having one end open, a flexible diaphragm fixedly secured to the open end of the container, a hollow stem fixedly secured to the flexible diaphragm, said stem having one end connected with the self-starter button and the carburetor choke valve and having a port in the other end and other ports spaced from the end, a needle valve threadably secured within the stem and adapted to restrict the opening in the end port, and a fabric washer fixedly secured about the stem and between the end port and the ports spaced from the end, said washer being adapted to frictionally engage the inner wall of the cylindrical container.



2,031,903
POST SIZING AND PEELING MACHINE
William Neal Riddick, De Ridder, La.
Application May 31, 1934, Serial No. 728,439
3 Claims. (Cl. 143—32)



3. A log sizing machine comprising a horizontal cylinder rotatably supported, means for rotating the cylinder, a bell-shaped cutting head connected to the front end of the cylinder and having cutting members therein, a pair of vertically arranged feed rollers each of double frusto-conical shape located in front of the cutting head, spring means tending to move the rollers towards each other, supporting means for a log arranged in front of the rollers, feeding means for pushing the logs from the supporting means between the rollers, said feeding means including a substantially conical member for engaging the front end of the log, the supporting means having the log engaging parts located below the transverse centers of the rollers.

2,031,904
MACHINE PARTS AND APPARATUS INTENDED FOR HIGH TEMPERATURE OPERATION
Fritz Rittershausen and Heinz Korschan, Essen, Germany, assignors to Fried. Krupp Aktiengesellschaft, Essen-an-der-Ruhr, Germany
No Drawing. Application May 12, 1931, Serial No. 536,940. In Germany June 6, 1930
10 Claims. (Cl. 75—1)

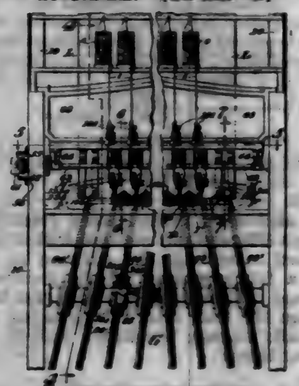
1. Articles which in their normal use are subjected to high temperatures or large temperature variations, said articles being composed of a steel alloy containing up to about 0.3% carbon, about 2.1 to 4.5% chromium, about 0.15 to 0.8% molybdenum, up to about 0.4% vanadium and up to 2% nickel.

2,031,965

SEWING MACHINE MECHANISM

Frederick N. Ross, Grosse Pointe Park, and Horace L. Johnson, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application December 3, 1931, Serial No. 578,639
28 Claims. (Cl. 112—2)



1. In a machine of the character described, in combination, a sewing needle, a tube positioned in a plane substantially perpendicular to said needle, a looper needle carried by said tube in parallel spaced relation to the axis of the tube, a tubular housing in which said tube is freely movable and having an opening to receive said sewing needle, means for reciprocating said sewing needle and tube axially, and means for rotatively reciprocating said tube during the reciprocation of the sewing needle.

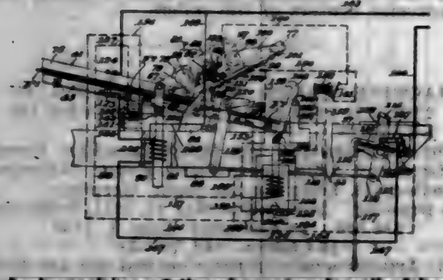
10. In an upholstery forming machine, rotatable gathering devices working in converging planes to in-gather a strip of material to form longitudinal ribs with fullness therebetween, means for bringing a strip of second material parallel with said first material along the lines of said ribs, and means to sew said ribs and second material to secure them in their final condition.

2,031,966

UPHOLSTERY SEWING MACHINE

Frederick N. Ross, Grosse Pointe Park, and Horace L. Johnson, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application August 14, 1933, Serial No. 685,842
18 Claims. (Cl. 112—2)



1. A machine of the character described having mechanism for assembling two sheets of fabric in superimposed relationship and forming a series of parallel folds in one of said sheets, and means for stitching the other of said sheets to said parallel fold, characterized by the fact that said mechanism includes means for feeding and gathering said one sheet comprising a series of gyratory feed bars disposed in converging relation.

18. In a machine of the character described, fabric piece-feeding mechanism having at the receiving end portions relatively movable into work-receiving and work-feeding positions, means including a solenoid for moving said portions into work-receiving position, means controlled by a piece being fed for controlling the circuit to said solenoid, a clamp for holding a second piece against feeding, means including a second solenoid for moving said portions into work-feeding position and for releasing said clamp, means jointly controlled by the fed position of an intermediate piece and by said second solenoid for controlling the circuit to the latter, and a retarded relay connected in parallel with said second solenoid for controlling the circuit thereto.

2,031,967

WINDOW CONSTRUCTION

John A. Ryan, Bronx, N. Y.

Application April 18, 1933, Serial No. 17,095
1 Claim. (Cl. 20—48)



In a window construction a pair of vertical side members, upper and lower sliding sashes, transversely extending ribs on the side members, each of said sashes being provided with a vertically swingable ventilating panel, the panel of the upper sash being provided with laterally disposed lugs for engaging over the upper rib on each of the side members, the lugs on the lower panel being adapted to engage the lower ribs at their under side, and stop strips extending vertically at the ends of the ribs away from the sashes to stop the lugs.

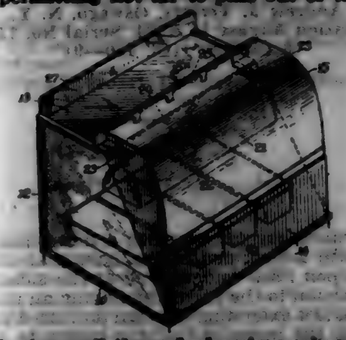
2,031,968

APPARATUS FOR TREATING TOASTED NUTS

Lester M. Sawin, Chicago, Ill.; Shallyn J. Sawin, administratrix of said Lester M. Sawin, deceased, assignor to The Sawin Nut Company, Chicago, Ill., a corporation of Illinois

Application August 14, 1933, Serial No. 685,050
3 Claims. (Cl. 219—38)

1. An apparatus for treating nuts comprising, in combination, a display case having a flat top wall, means within the case for supporting unpackaged nuts, a radiant heater within the case for directing heat downwardly onto the nuts, and a hood closing the rear side of the case and having a portion resting on the rear edge of the top wall, said portion having forwardly opening vents permitting hot air to pass out of the case



over the top wall thereof whereby packaged nuts resting on said top wall may be kept warm.

2,031,969

SOLDERING FLUX

William K. Schweitzer, East Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application October 11, 1933, Serial No. 693,113
9 Claims. (Cl. 148—26)

1. In a process of soft soldering the step of applying a flux comprising a major amount of a phosphate thermally decomposable at or below soft soldering temperatures.

2,031,970

CONDENSER

Royal F. Sickles, Springfield, Mass.

Application April 13, 1935, Serial No. 16,457
5 Claims. (Cl. 175—41.5)



1. A condenser of the class described comprising in combination, a base having spaced openings extending therethrough, alternate superposed condenser and separator plates on said base, the uppermost plate being curved and adapted to be depressed, terminals extending from said condenser plates through said openings and being offset to have portions in different planes engageable with opposite sides of said openings to hold said plates against shifting longitudinally and permitting up and down movements, the said plates being provided with openings therethrough, a washer on the uppermost plate and provided with an opening therethrough, and a screw extending through said openings threadedly engaging said base having its head bearing on said washer for depressing the uppermost plate.

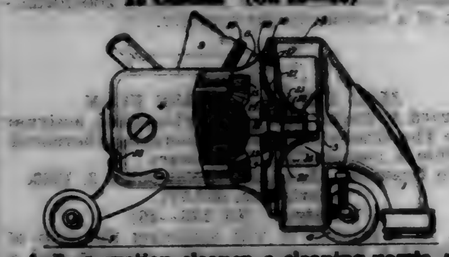
3. A condenser of the class described comprising in combination, a base having spaced lugs extending upwardly from a face thereof and provided with openings therethrough extending through the base at adjacent sides of the lugs, alternate superposed condenser and separator plates on said base between said lugs, the uppermost plate being curved and spring-like so as to be depressible, said plates provided with openings therethrough, a washer on the uppermost plate provided with an opening therethrough, a screw extending through said openings threadedly engaging said base with its head bearing on said washer, terminals extending through the openings of the base connected to the condenser plates, and ears provided on the separator plates at their ends disposed at opposite sides of the lugs.

2,031,971

SUCTION CLEANER

Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application June 14, 1933, Serial No. 675,705
12 Claims. (Cl. 15—16)



1. In a suction cleaner, a cleaning nozzle, suction-creating means connected to said nozzle, a driving-motor for said means interiorly connected to atmosphere, means exterior of the motor shaft connecting the interior of said motor to a point of low pressure in said suction-creating means which point is also effective in said nozzle, and means automatically to open and close said connecting means while said motor is running and at rest respectively.

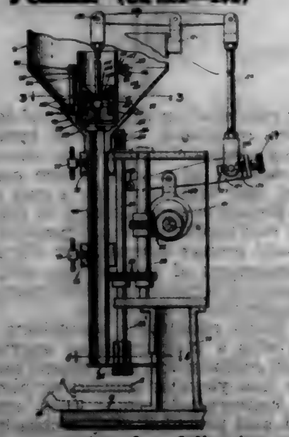
7. A suction-creating rotary fan comprising a back, blades carried on one side of said back, said back being formed with an opening connecting its bladed side, at a point closely adjacent the axis of rotation, to its opposite side, and valve means to open and close said opening.

2,031,972

MEASURING AND FILLING MECHANISM

Lambert Edwin Spear, Minneapolis, Minn., assignor to Blue Moon Cheese Products, Inc., Minneapolis, Minn., a corporation of Delaware

Original application December 8, 1930, Serial No. 500,822. Divided and this application October 10, 1934, Serial No. 747,786
9 Claims. (Cl. 221—103)



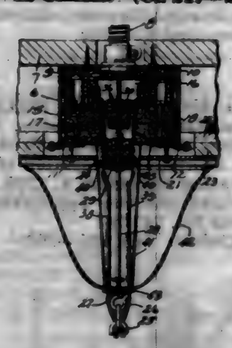
1. In an apparatus for delivering measured quantities of material into containers, a hopper

having a discharge opening, a cylinder mounted for limited vertical movement in said hopper and open to receive material at both ends, a seat in the bottom of the hopper normally engaged by said cylinder, a piston movably mounted in said cylinder and adapted, upon its up stroke, to first unseat the cylinder, after which the piston will relatively move therein and draw a portion of the material in the hopper into said cylinder below the piston, means whereby when the piston is moved downwardly, the cylinder is moved into engagement with said seat and the material in the lower portion thereof discharged therefrom through said discharge opening in a measured quantity, and means for preventing the formation of a vacuum in the cylinder.

2,031,912
ZINC CHLORIDE BASE FLUX
Edward A. Taylor, Shaker Heights, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application November 2, 1933, Serial No. 696,597
7 Claims. (Cl. 148—26)

4. In a process of soft soldering the step of applying a flux comprising zinc chloride and a small amount of an oxidizing agent, the composition being free from reducing agents whereby the oxidizing agent can exercise an effect on residues of the soft soldering process.

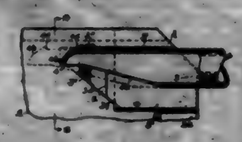
2,031,914
INTERCHANGRABLE ELECTRIC LIGHT FIXTURE HANGER AND SOCKET
Vernon V. Veysey and Harvey R. Andersen, Neenah, Wis.
Application March 27, 1933, Serial No. 662,880
12 Claims. (Cl. 247—29)



2. The combination with a pair of contacts and a recessed receptacle providing insulation and comprising a supporting part and affording access to said contact, of a plug device comprising a supported part and providing a pair of laterally movable prongs complementary to the respective contacts, and mechanical and positive means for moving said prongs laterally for the mechanical inter-engagement of said prongs with said contacts to provide a releasable mechanical and electrical connection therebetween.

9. An outlet receptacle comprising a support provided with a plug receiving aperture having an inlet, in combination with solidly mounted and relatively non-yielding supporting and electrical contacts converging toward each other toward said inlet and provided with mutually insulated mounting upon said support at opposite sides of said aperture.

2,031,915
ADAPTER FOR VALVE BAGS
Andrew J. Verwys, Oswego, N. Y.
Application August 14, 1934, Serial No. 739,723
6 Claims. (Cl. 150—9)



1. A valve bag for use with a filling pipe provided with a hook or the like, having an adapter folded upon itself and secured at the sides of its front portion to the valve and having an upwardly facing slot extending through its folded portion adjacent the inner end of the latter, to receive said hook whereby upon withdrawal of the pipe the adapter will move therewith and be crumpled and disposed in the mouth of the valve to close same, said adapter having transverse weakened portions to facilitate crumpling.

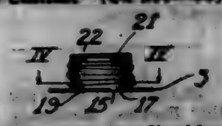
2,031,918
METHOD OF PRODUCING INSULATION FOR SUBMARINE CABLES
Robert R. Williams, Roselle, and Archie R. Kemp, Westwood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Original application December 4, 1923, Serial No. 678,569. Divided and this application April 23, 1932, Serial No. 608,330. In Canada February 12, 1923
5 Claims. (Cl. 106—13)

1. The method of making an insulating material from rubber including removing from the rubber before it is vulcanized substantially all of the water soluble matter which would later cause osmotic action when the insulating material is submerged, mixing the rubber with a finely divided filler to form an insulating material for a cable, and causing the insulating material to absorb substantially the total amount of water which it is capable of absorbing before the cable is put into use, said water soluble matter being removed by subjecting said rubber to prolonged soaking in pure water and to working for limited periods of time so that the mechanical characteristics of said rubber will remain substantially unimpaired.

2,031,917
METHOD OF INHIBITING GUM FORMATION IN NAPHTHAS AND PRODUCTS OBTAINED THEREBY
Carl Winning, Leonard E. Sargent, and James F. Dudley, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 24, 1931, Serial No. 533,706
11 Claims. (Cl. 44—9)

1. A motor fuel comprising cracked hydrocarbon spirits of the type normally tending to form gum containing a colorless gum inhibitor selected from aromatic amino and phenolic compounds in quantity sufficient to inhibit gum formation, and a dye selected from the group consisting of indophenols and oxazine-, indamine-, curbidine-, safranine-, and aposafranine- bases in quantity sufficient to impart color to the fuel and further stabilize the gasoline against gum formation.

2,031,918
SPRAY CONTAINER
Carl Winning, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 10, 1934, Serial No. 710,942
5 Claims. (Cl. 299—56)



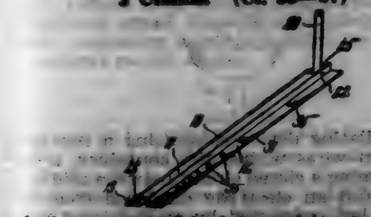
1. A device for spraying liquid, comprising a container imperforate except for an opening in one wall, a nozzle, coinciding with the opening and communicating with the container therethrough, protruding from a wall of the container, adapted to permit filling of the container and to permit flow of liquid from the container into the nozzle when the container is inverted, the outlet end of the nozzle having a spray hole of lesser size than the opening, and a baffle plate extending transversely across a portion of the nozzle to function as a dam to trap a portion of the liquid and prevent its backward flow from the nozzle into the container when the container is restored to a substantially horizontal position, the spray hole being below the level of the dam when the nozzle is restored to a substantially horizontal position whereby the trapped liquid in the nozzle can be ejected from the nozzle through the spray hole by pressure applied to the contents of the container.

2,031,919
AMPLIFYING SYSTEM
Arthur F. Bennett, Richmond Hill, N. Y., and Malcolm K. Gordon, Jr., Newark, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 25, 1931, Serial No. 532,754
3 Claims. (Cl. 177—311)



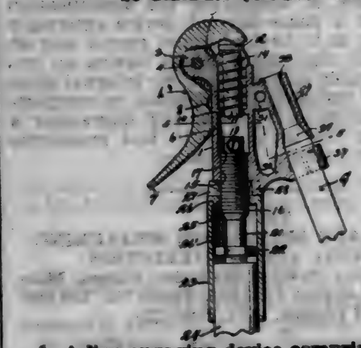
1. In a system for amplifying the sounds emitted by a vibrating body, a condenser type translating device in which one electrode of the device is the vibrating body and the other electrode serves as a support for the body, means for polarizing the device, a receiver and an amplifying system connected between the receiver and the translating device.

2,031,920
GEOMETRIC TOOL
Ernest Bemhimel, Arlington, Mass.
Application September 28, 1934, Serial No. 745,519
3 Claims. (Cl. 33—27)



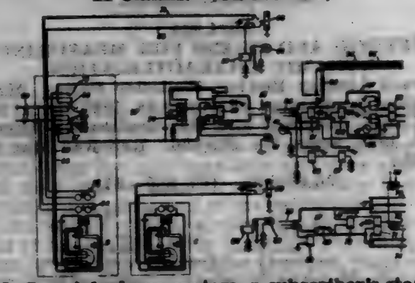
1. A geometrical tool comprising a rod having a pointed end, a channel member adapted to receive said rod, and means pivotally connecting said rod and member whereby said rod may be swung to positions at right angles to said member, said member having a series of perforations to receive the point of a lead pencil or the like for describing circles with said pointed end as a center.

2,031,921
GROUNDING SET
Henry W. Bedendieck, Taylorville, Ill., assignor to Tips Tool Company, Inc., Taylorville, Ill., a corporation of Illinois
Application July 18, 1931, Serial No. 551,812
26 Claims. (Cl. 173—273)



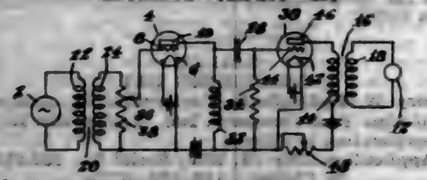
1. A line engaging device comprising a tubular member, a plunger working within said member, means for constantly urging said plunger in one direction, a clamping jaw coacting with the member, means for movably supporting said jaw upon the member, said plunger also normally maintaining said movable jaw in contact with the member, and manually operated means engaging the plunger for forcing the movable jaw toward the member and maintaining the jaw against separating movement.

2,031,922
TELEPHONE SYSTEM
Felix A. Benemal, St. Albans, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 29, 1932, Serial No. 625,561
11 Claims. (Cl. 179—27)



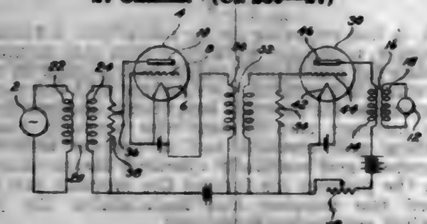
1. In a telephone system, a subscriber's station, a signaling device thereat, a link circuit individual to said subscriber's station and terminating at a central office, an intermediate office, a signaling device thereat, and means at said subscriber's station for disconnecting said station from said link circuit and causing the signaling device at said intermediate office to be actuated simultaneously with the signaling device at said station in response to a call incoming from said central office over said link circuit.

2,031,922
METHOD AND MEANS FOR MEASURING DYNAMIC CHARACTERISTICS
Edward L. Bowles, Watertown, Mass.
Application February 26, 1927, Serial No. 171,238
17 Claims. (Cl. 250—27)



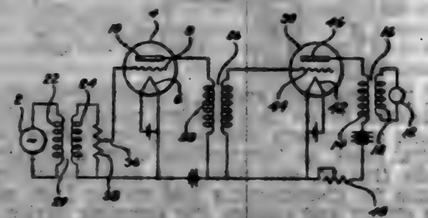
1. A method of measuring the amplification coefficient of a space-current device externally connected so as to have an input circuit and an output circuit, the output circuit having an impedance of value so high that the internal plate resistance of the device is negligible by comparison, the said method comprising impressing a voltage upon the input circuit, and measuring the voltage across the impedance.

2,031,924
METHOD AND MEANS FOR MEASURING DYNAMIC CHARACTERISTICS
Edward Lindley Bowles, Wellesley Farms, Mass.
Application August 15, 1928, Serial No. 299,695
27 Claims. (Cl. 250—27)



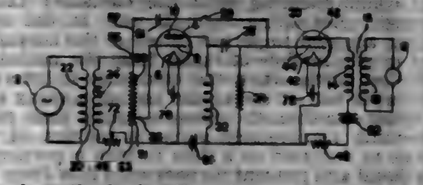
1. A method of measuring the dynamic internal plate resistance of each of a plurality of space-current devices that comprises successively connecting the space-current devices with a common input circuit and a common output circuit, impressing a constant alternating voltage upon the output circuit, and measuring an alternating-current impulse of the output circuit.

2,031,925
METHOD AND MEANS FOR MEASURING DYNAMIC CHARACTERISTICS
Edward Lindley Bowles, Wellesley Farms, Mass.
Original application February 26, 1927, Serial No. 171,238. Divided and this application August 15, 1928, Serial No. 299,695. Renewed May 26, 1934
26 Claims. (Cl. 250—27)



1. A method of measuring the mutual conductance of each of a plurality of space-current devices each externally connected so as to have an input circuit and an output circuit, the impedance in the output circuit having a value so low that it is negligible compared with the internal plate resistances of the devices, the said method comprising maintaining constant, predetermined, alternating-current conditions in one of the circuits of each device, and measuring predetermined alternating-current conditions in the other circuit of the said device.

2,031,926
ELECTRIC METER
Edward Lindley Bowles, Wellesley Farms, Mass.
Application September 8, 1931, Serial No. 561,485
Renewed May 21, 1935
22 Claims. (Cl. 250—27)



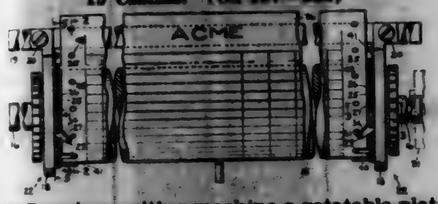
1. A method of calibrating an instrument for measuring a dynamic characteristic of a space-current device externally connected so as to have an input circuit and an output circuit, the said instrument having means for impressing a voltage upon the device, a second space-current device having an input circuit connected with the output circuit of the first-named device, and a meter for measuring the voltage of the output circuit of the second device, the said method comprising, with the first-named device out of the circuit, inserting into circuit a voltage approximately equal to the impressed voltage multiplied by the value of the said dynamic characteristic, and adjusting the circuits to give a reading on the meter approximately equal to the said value.

2,031,927
LAMP
Chester H. Braselton, New York, N. Y., assignor to Sirian Lamp Company, Newark, N. J., a corporation of Delaware
Application December 4, 1931, Serial No. 578,931
7 Claims. (Cl. 176—123)



7. A radiating device comprising a container, two lead-in wires within the container, a conductor forming a closed circuit between said lead-in wires, and an electrode displaced from said conductor but connected by an insulated metal circuit thereto at a point intermediate its ends.

2,031,928
TYPEWRITING MACHINE
Carl W. Brenn, Montclair, N. J., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application December 8, 1931, Serial No. 579,681
19 Claims. (Cl. 197—132)



1. In a typewriting machine a rotatable platen adapted to support a paper strip at the line of writing of the machine, said paper strip having a longitudinally extending row of feed apertures and said platen having a circular row of apertures spaced substantially like the paper strip apertures; a plurality of fingers pivotally mounted on the platen for rotation therewith and for movement toward and from the platen and the paper strip carried thereby; studs on the fingers; and means for automatically moving said fingers seriatim toward the strip paper on the platen and the studs on said fingers into engagement with the feed apertures in the strip paper and into the platen apertures as the platen and fingers carried thereby are rotated toward the line of writing.

2,031,929
IMPREGNATION OF MATERIALS
Wilhelm Breuers, Ludwigshafen-on-the-Rhine, Hermann Mark, Mannheim, and Erich Konrad, Leverkusen, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application July 29, 1932, Serial No. 626,210. In Germany August 18, 1931
10 Claims. (Cl. 91—68)

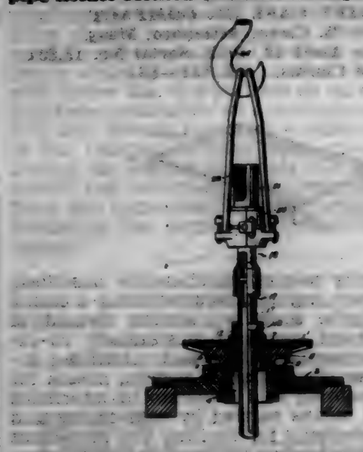
3. Preparations, suitable for impregnating porous materials, comprising essentially a water-soluble sulphonic acid body selected from the group consisting of sulphonic acids of rubber materials, sulphonic acids of polymerised styrene and of water-soluble salts of said sulphonic acids.

2,031,930
STABILIZED REFINED MINERAL, VEGETABLE, AND ANIMAL OILS
Hyym E. Buc, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 21, 1933, Serial No. 667,159
21 Claims. (Cl. 87—8)

1. As a stable composition of matter a member of the class of substances consisting of highly refined mineral, animal and vegetable oils and highly refined fats, having incorporated therein a relatively small amount of a phenolic compound containing a tertiary aliphatic hydrocarbon radical as side chain.

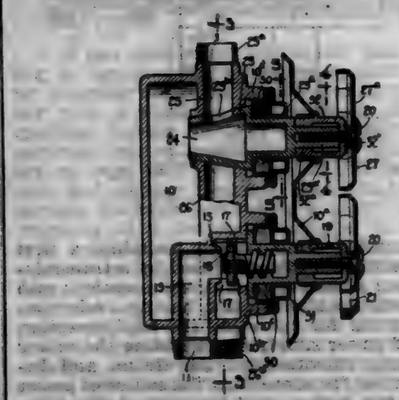
2,031,931
WELL DRILLING APPARATUS
Walter L. Church, Houston, Tex., assignor of one-half to W. L. Foster, Harris County, Tex.
Application February 6, 1934, Serial No. 709,820
9 Claims. (Cl. 255—63)

1. In apparatus of the character described, a pipe holder formed of sections hinged together at



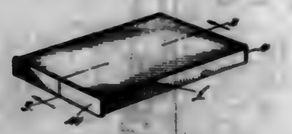
one side and open at the outer side, the upper end of the holder having ratchet teeth.

2,031,932
COMBINED DIVERTING AND HOT-COLD CONTROL FIXTURE
Edward S. Cornell, Jr., Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application January 22, 1934, Serial No. 707,872
3 Claims. (Cl. 277—59)



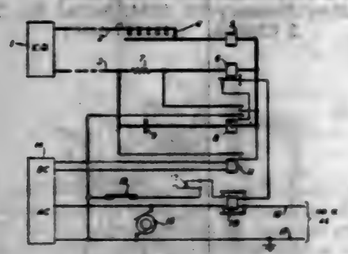
1. A diverting fixture comprising a substantially flat casing provided with a hollow interior constituting a relatively large mixing chamber, an inflow pipe for cold fluid and an inflow pipe for hot fluid, spaced apart from each other and extending through a wall of the casing into one end of the mixing chamber, valve means at the inner end of each of the inflow pipes for controlling the flow of fluid into the mixing chamber, ports associated with each of the said valve means, each directing the flow of fluid into the mixing chamber in a plurality of streams, an outflow passage means in said mixing chamber and extending throughout the length of the said chamber and arranged to be connected to separate piping leading to a plurality of locations, and valve means for easily effecting communication of said outflow passage means with the mixing chamber and for selective flow through said separate piping respectively.

2,031,932
VANITY CASE OR COMPACT
Harry B. Clegg, Attleboro, Mass.
Application April 29, 1935, Serial No. 18,851
5 Claims. (Cl. 132—33)



1. In a vanity case of the character described, a pair of telescoping members including a casing and a composite container section formed of separate opposed elements substantially co-extensive in horizontal extent and interfitted together to form the container section, means for releasably retaining said elements in interfitted relation, and means carried by said casing and one of said elements for limiting the movement of said container section outwardly of said casing.

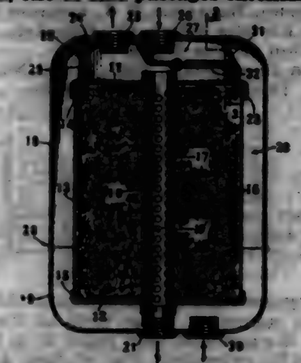
2,031,934
PRINTING TELEGRAPH SYSTEM
Thomas L. Corwin, Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 12, 1934, Serial No. 734,709
12 Claims. (Cl. 178—4.1)



1. A communication system including a first communication station connected by a transmission line to a second communication station; said second communication station having a teletypewriter, a motor for operating the teletypewriter, a source of power supply for operating the motor but normally disconnected therefrom, and instrumentalities for connecting the source of power supply to the motor, said instrumentalities including a relay of the type which requires a plurality of current pulses to pass through its winding before it will operate, and control means at the first station for transmitting pulsating direct current over the line to the second station for operating said relay.

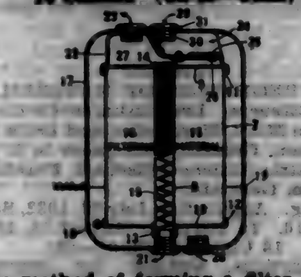
2,031,935
FILTER
Charles H. Cuno, Meriden, Conn., assignor to The Cuno Engineering Corporation, Meriden, Conn., a corporation of Connecticut
Application April 21, 1933, Serial No. 667,146
4 Claims. (Cl. 210—131)

1. A filter comprising a sheet metal shell, a sheet metal hood secured substantially contiguous an end portion of the shell and of less width than the shell, a cartridge having end caps and supported at at least one end by said hood, inlet and outlet passages in the end of said shell adjacent the hood, one of said passages extending through



the hood and the other into the space around the hood.

2,031,936
ART OF FORMING FILTERS
Charles H. Cuno, Meriden, Conn., assignor to The Cuno Engineering Corporation, Meriden, Conn., a corporation of Connecticut
Original application April 21, 1933, Serial No. 667,146. Divided and this application February 10, 1934, Serial No. 710,802
10 Claims. (Cl. 29—148.3)

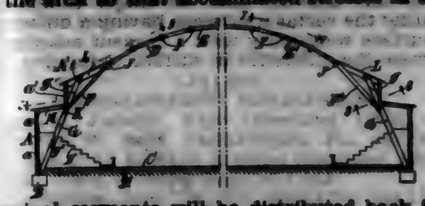


1. The method of forming a filter having cylindrical cup-like shell members and an inner incombustible filter cartridge slidably positioned at one end on a nipple in one shell member and slidably positioned at the other end by a flanged hood eccentrically positioned upon another nipple within the other shell member, which comprises assembling the incombustible filter cartridge, slidably positioning one end of the cartridge in one of the shell members, slidably positioning the other end of the cartridge in the other shell member and welding the edges of the shell members together while thus slidably supporting the ends of the cartridge member.

2,031,937
ARCH BUILDING CONSTRUCTION
Louis Davidson, Hewlett, N. Y.
Application December 14, 1931, Serial No. 580,987
7 Claims. (Cl. 189—21)

1. A building construction having a plurality of long span arches, said arches being divisible into two groups, one group having its ends terminating above the floor line and spaced relatively close together, and the other group having its ends at substantially the floor level and spaced relatively far apart, the terminal segments of many arches of the second group of arches having portions rigidly connected therewith extending beyond the curvature of the arch, and arch sub-segments connecting certain of the arches to the extending portions of the terminal

segments of the second group of arches outwardly of the arch so that accumulated stresses in said



terminal segments will be distributed back into the arches proper.

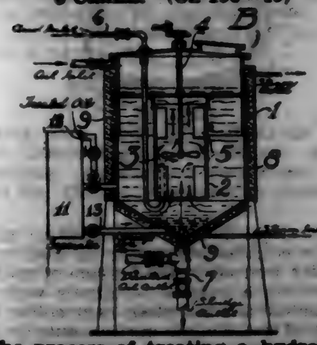
2,031,938
PROCESS FOR THE HALOGENATION OF ORGANIC FLUIDS
Richard M. Dennehy and George Hearne, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 6, 1932, Serial No. 631,758
16 Claims. (Cl. 260—166)

1. In a process for the chlorination of an organic liquid, the step of atomizing said liquid within a chamber by means of a stream of chlorine gas and causing substantially all of the liquid product to flow as a film on the walls of the chamber.

2. In a process for the chlorination of an organic liquid, the steps of admixing with said liquid a volatile and substantially inert cooling agent, atomizing the mixture of said liquid and cooling agent within a chamber by means of a stream of chlorine gas and dissipating all or part of the heat liberated by the chlorination by evaporation of said cooling agent within the chamber.

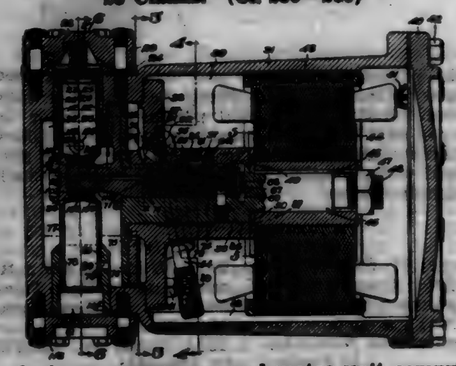
10. In a process for the substantial production of unsaturated monochloride from tertiary olefine in the liquid state, the steps of admixing with said olefine a volatile and substantially inert cooling agent, atomizing the mixture of said liquid and cooling agent within a chamber by means of a stream of chlorine gas and dissipating all or part of the heat liberated by the chlorination by evaporation of said cooling agent within the chamber.

2,031,939
METHOD OF TREATING HYDROCARBONS
Theodore R. Denham, Irvington, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 26, 1932, Serial No. 595,235
8 Claims. (Cl. 196—49)



1. The process of treating a hydrocarbon oil with a reagent of the class consisting of sulfuric anhydride and fuming sulfuric acid, at a temperature above about 80° C. and below the boiling point of the hydrocarbon oil, which comprises continuously feeding said treating agent initially into a violently agitated portion of the treating zone where the hydrocarbon oil and the treating agent are maintained in a violently agitated contact long enough to permit a substantial portion of the reaction to take place, continuously removing the reacted materials to a portion of said zone of less violent agitation, removing the sludge from the hydrocarbon oil and continuously replenishing the supply of hydrocarbon oil to be treated.

2,031,940
COMPRESSOR
William D. Drysdale, Buffalo, N. Y., assignor to Walter J. Snyder, Boston, Mass.
Application August 9, 1933, Serial No. 684,037
23 Claims. (Cl. 230—206)

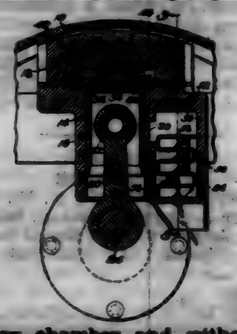


1. A gas compressor and motor unit comprising, in combination, a housing presenting a motor chamber and a crank-case and suction chamber with a partition therebetween, said motor chamber having an inlet for the gas, and said partition having a passage for gas and lubricating oil from said motor chamber to said crank-case and suction chamber, said crank-case and suction chamber presenting a reservoir for lubricating oil, a compressor cylinder having a lateral, refrigerant intake port leading from said crank-case and suction chamber into said cylinder, a compressor piston working in said cylinder and covering and uncovering said port, an oil pump cylinder having a lateral, oil intake port leading from said oil reservoir into said oil pump cylinder, an oil pump piston working in said oil pump cylinder and covering and uncovering said oil intake port, an electric motor housed within said motor chamber, a crank housed within said crank-case and suction chamber, a driving shaft connecting said motor to said crank-pin to drive the latter, a bearing for said shaft supported by said partition and provided with an oil chamber about said shaft and a passage leading from said oil chamber to said crank-case and suction chamber, an oil supply conduit leading from said oil pump cylinder to said oil chamber, and baffle means to cause the separation of the oil from the gas within said crank-case and suction chamber and the return of the oil to said oil reservoir.

2,031,941
REFRIGERANT COMPRESSOR
William D. Drysdale, Mount Clemens, Mich., assignor to Walter J. Snyder, Boston, Mass.
Application November 1, 1934, Serial No. 750,981
10 Claims. (Cl. 230—172)

1. In a refrigerant compressor for use in a

compressor-condenser-expander circuit, the combination of a housing presenting a primary chamber having an inlet to receive the gaseous refrigerant, means presenting a secondary chamber within said primary chamber, a restricted passage between said chambers, and a baffle between said chambers, and a pump housed within



said primary chamber and without said secondary chamber, said pump having its intake communicating with said primary chamber by way of said restricted passage and said secondary chamber, said baffle being distinct from and disposed without said pump along the line of such communication.

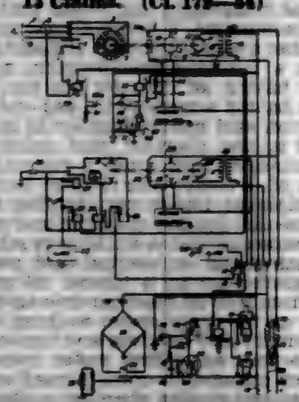
1,931,942

CONTROL CIRCUIT

James M. Duguid, Springfield, N. J., and John H. Sole, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 1, 1924, Serial No. 750,918

13 Claims. (Cl. 179—84)



1. In combination, two motor generator sets, a load circuit, and means operated when the load circuit is connected to one of said sets and the generator voltage of this set falls below a predetermined lower limit for starting the other motor generator set, for disconnecting the load circuit from the first motor generator set and for connecting the load circuit to the other motor generator set.

1,931,943

METHOD AND MEANS FOR SEPARATING SEEDS

Frederick Charles Dyer and Harold Langdon McClelland, Toronto, Ontario, Canada

Application September 2, 1921, Serial No. 497,943

7 Claims. (Cl. 209—166)

1. A method of separating seeds from seeds by utilising a difference in the wettability of their surfaces as distinguished from differences in specific gravity, size, or shape comprising treating the surfaces of seeds having a difference in surface wettability with a reagent adapted to increase the difference in surface wettability, introducing said seeds to an air-liquid surface in such a way that momentum of the seeds normal to the surface of the liquid is substantially eliminated, and floating the less wettable seeds from the more wettable seeds.



1,931,944

RUBBER COMPOSITION CONTAINING PETROLEUM RESINS

Per K. Frolich, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 2, 1931, Serial No. 561,494

11 Claims. (Cl. 100—23)

1. Method of preparing a rubber composition comprising incorporating rubber and a synthetic hydrocarbon resin of petroleum origin isolated from the thermal decomposition products of petroleum oils and vulcanizing the mixture.

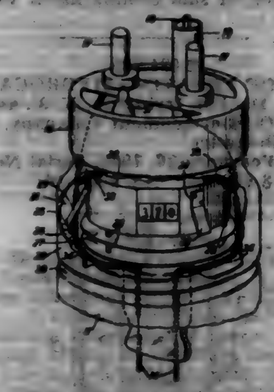
1,931,945

ELECTRICAL DEVICE

Omer M. Glunt, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 24, 1933, Serial No. 676,549

3 Claims. (Cl. 250—27.5)



1. An electrical device comprising an enclosing vessel, an electrical conductor in said vessel, a collar rigidly secured to the outside of said vessel and supporting a pair of terminals with which said conductor is connected, said collar having a laterally off-set, hollow portion outside of said vessel and having an aperture, and a meter in said hollow portion and connected to said terminals for electrically recording and indicating through said aperture the time during which said conductor has been in use.

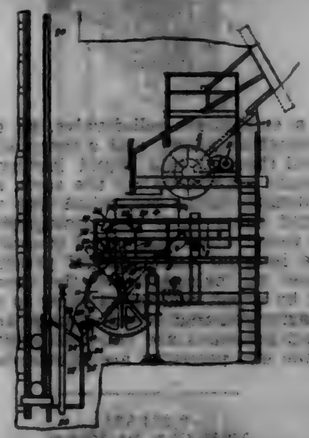
1,931,946

SKIP LOADING MECHANISM

Frank H. Goodell, East Cleveland, Ohio, and Charles W. Rees, Philadelphia, Pa., assignors to The C. O. Bartlett & Snow Company, Cleveland, Ohio, a corporation of Ohio

Application June 16, 1931, Serial No. 544,736

5 Claims. (Cl. 214—135)



1. In combination in an apparatus for handling material, a weighing hopper oscillatably mounted on a bearing so positioned relative to the weight and the shape of said hopper that when empty said hopper will tilt on said bearing and when containing a predetermined quantity of the material to be handled will tilt the opposite way, a gate closing a discharge opening in said hopper which gate is normally held closed, a bucket, means to move said bucket to and from loading position beneath said gate, means carried by said bucket adapted to engage and open said gate as said bucket approaches loading position, means adapted to feed material to said hopper including a motor controlled by an electric circuit, a switch in said circuit normally held open, means adapted to close said switch when said hopper is tilted in empty position, a second switch in said circuit normally held open and means adapted to close said second switch when said gate is in closed position, an element pivotally suspended across the discharge opening of said bin adapted, by its movement responsive to discharge of material, to control a switch in an electric circuit which includes the station from which the movement of said skip is controlled.

1,931,947

PROCESS FOR THE REFINING OF ALLOYS

Ture Robert Haglund, Stockholm, Sweden

No Drawing. Application September 12, 1934, Serial No. 741,707. In Sweden September 20, 1933

11 Claims. (Cl. 75—17)

1. A process for the refining of alloys containing carbon as a component and with the carbon at least partly concentrated in particles of smaller size than the average size of the crystals of the alloy, comprising the step of removing at least part of the finest particles after disintegration of the alloy.

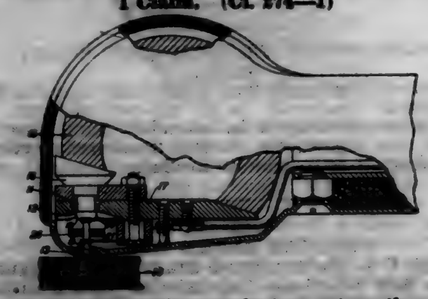
1,931,948

VIBRATION DAMPING DEVICE

Henry C. Harrison, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 27, 1933, Serial No. 682,454

1 Claim. (Cl. 274—1)



In a phonograph reproducing system, the combination with a record of relatively low stiffness and a reproducer having a moving system cooperating therewith and resonating with the material of the record at certain frequencies, of the frequency selective damping means for reducing the response of the reproducer at the resonant frequencies comprising a thin disc of damping material secured at its central portion to the moving system with the plane of the disc normal to the motion of the system, the disc being proportioned to flex in a direction normal to the plane of the disc at the resonating frequencies and to vibrate bodily as a mass element at lower frequencies.

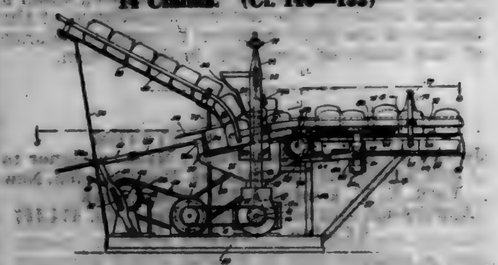
1,931,949

MECHANISM TO ASSEMBLE A COMPOSITE LOAF

William Walter Hartman, Los Angeles, Calif.

Application October 24, 1932, Serial No. 639,316

14 Claims. (Cl. 146—153)



2. In combination, mechanism adapted to cut a loaf or the like into sections, a conveyor to move the cut loaf, an elevator adapted to lift a section from the conveyor to temporarily stop its forward movement, means to return said section to the conveyor, and an alining element on the conveyor to aline said returned section with a section from a subsequent loaf.

1,931,950

BUILDING MATERIAL

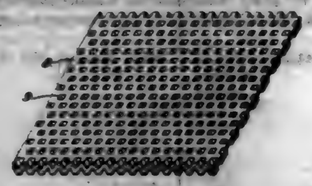
Norman P. Hershberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co. Inc., New York, N. Y., a corporation of Delaware

Application October 22, 1931, Serial No. 570,677

12 Claims. (Cl. 72—16)

1. As a new article of manufacture, building material comprising a rigid cementitious base

having a plurality of surface depressions therein, coating material entirely covering a portion of said base, and another portion which is adapt-



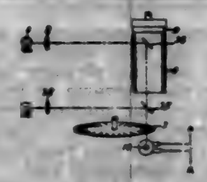
ed to be overlapped in assembly being uncovered, the depressions in said uncovered portion forming air cells to aid in insulation.

2,031,951
BURGLAR ALARM SYSTEM
Ralph V. L. Hartley, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 25, 1932, Serial No. 595,046
1 Claim. (Cl. 177—316)



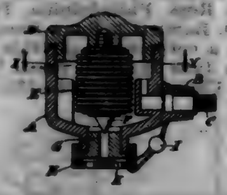
In a burglar alarm system for a vault, in combination, a loud-speaking type receiver having a diaphragm within the vault, a balanced electrical bridge system including in one of its arms said loud-speaking type receiver, a source of alternating current connected to input points of said balanced electrical bridge system to operate said loud-speaking type receiver to produce sustained air vibrations within the vault, a relay in circuit connection with output points of said balanced electrical bridge system, a local circuit controlled by said relay and an alarm device in said local circuit, said alarm device being operated when a change occurs in the acoustic impedance of the interior of the vault sufficient to cause unbalance of said balanced electrical bridge system.

2,031,952
ELECTRO-OPTICAL SYSTEM
Joseph W. Horton, Cambridge, Mass., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 11, 1930, Serial No. 474,407
8 Claims. (Cl. 250—41.5)



1. In an electro-optical system, means for producing a plurality of beams of light of constant intensity, means for varying one of said beams in accordance with signals, means for simultaneously varying said plurality of beams of light at a carrier frequency rate, and means controlled by said varying light beams for simultaneously producing a signal modulated carrier current and for superposing thereon an unmodulated component of carrier current in phase with the signal modulated current.

2,031,953
STEAM LINE WATER RELIEF VALVE
Louis C. Hyatt, Albany, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York
Application January 31, 1933, Serial No. 655,219
8 Claims. (Cl. 236—56)



1. In a condensate relief valve, an expansible and contractible vessel, and a thermally responsive liquid therein, said liquid having a boiling temperature approximately the same as that of the condensate to be controlled, the volume of said liquid being such that unvaporized liquid fills the vessel while said vessel is contracted, so that the internal and external pressures upon said vessel will balance while the vessel is surrounded by vapor, said vessel being so constructed and arranged that it will expand to its limit while said pressures are balanced and will contract while said pressures are unbalanced.

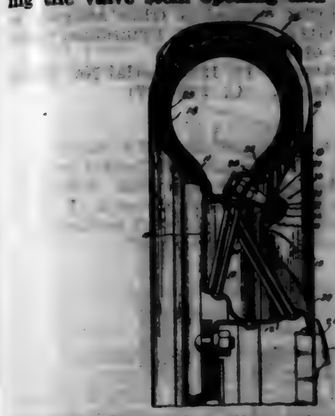
2,031,954
VEHICLE BUMPER
Herbert S. Jandus, Detroit, Mich., assignor to General Spring Bumper Corporation, Detroit, Mich., a corporation of Michigan
Application April 15, 1926, Serial No. 444,434
12 Claims. (Cl. 293—55)



7. In a bumper construction, a front bar, a rear bar, said bars having nesting concentric eyes, a bolt assembly including a part passing through the eyes for maintaining said eyes in position, said rear bar eye being narrower than said front bar eye, and spacers in said bolt assembly compensating for the difference in the lengths of the eyes, said spacers comprising resilient elements clampingly exerting frictional forces against the edges of the rear bar eyes.

2,031,955
VALVE CAP FOR USE WITH WHEEL OR TIRE COVERS
Herbert S. Jandus, Detroit, Mich., assignor to Lyon Cover Company, Detroit, Mich., a corporation of Michigan
Application November 6, 1933, Serial No. 696,512
4 Claims. (Cl. 150—54)

1. As an article of manufacture, a valve stem cap centrally threaded to be screwed over the free end of the stem and having an enlarged marginal portion for engagement with a wheel cover plate about a valve stem opening therein, said cap having an annular skirt extending inwardly from said marginal portion for telescoping the valve stem opening and also having its



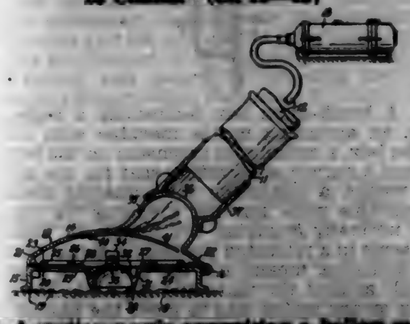
centrally threaded portion externally enveloped by a metallic cup.

2,031,956
OIL RETAINER
Lloyd A. Johnson, Hillsborough, Calif.
Application July 25, 1932, Serial No. 624,535
8 Claims. (Cl. 286—1)



1. An oil retainer comprising a pliable packing having an annular flange and an axially extending portion, a contractile member surrounding the axially extending portion, and a one-piece metal cage adapted to enclose and secure in a liquid tight joint the annular flange of said pliable packing member and also to provide a barrier to retain said contractile member on the axially extending portion of said packing member.

2,031,957
SUCTION NOZZLE
Fredrik Johan Robert Karlström, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application March 25, 1933, Serial No. 662,672
In Germany April 8, 1932
23 Claims. (Cl. 15—13)

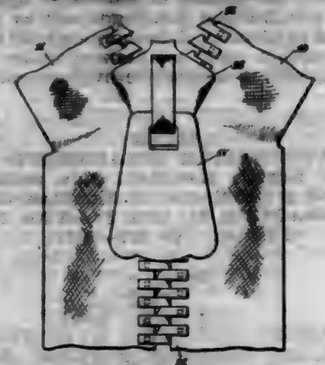


1. A suction nozzle comprising a hollow member having an intake opening and an opening adapted to be connected to a source of suction, an agitator member movably mounted with respect to said hollow member and movable due to variations of flow of air in said hollow member, and means separate from the agitator operative by flow of air through the hollow member for producing said variations of flow of air in said hollow member to cause movement of said agitator member.

2,031,958
GLASS PERMEABLE TO ULTRAVIOLET RAYS
Waldemar Kaufmann and Everhard Bungartz, Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application March 24, 1933, Serial No. 662,637. In Germany May 20, 1931
11 Claims. (Cl. 106—39.1)

1. As a composition of matter, a glass batch having as its chief constituent barium metaphosphate and as an addition agent the metaphosphate of at least one alkaline earth metal, said glass batch yielding a glass characterized in that it is permeable to ultra-violet rays and resistant to water.

2,031,959
FASTENER
Roland S. Kelley, Meadville, Pa., assignor to Hookless Fastener Company, a corporation of Pennsylvania
Application July 10, 1933, Serial No. 679,689
4 Claims. (Cl. 24—205)



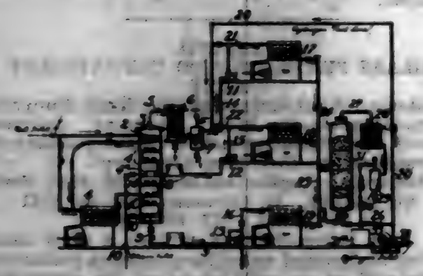
3. In a separable interlocking fastener the combination of a flexible support, a series of bifurcated non-metallic fastener elements disposed astride one edge of the support, each of the bifurcations having a recess therein, and non-metallic retaining means in each of said recesses in locking relation with said tape, said retaining means being cemented to the fastener elements.

2,031,960
RUBBER REPAIR MATERIAL
Arthur B. Kempel, East Brady, Pa., assignor to Rex-Hide, Incorporated, East Brady, Pa., a corporation of Pennsylvania
Application January 21, 1935, Serial No. 2,703
3 Claims. (Cl. 91—68)



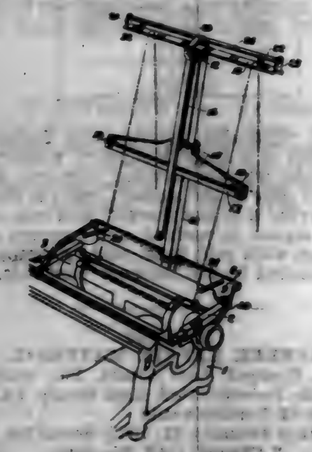
1. Repair material comprising an unvulcanized rubber element having incorporated in its attaching face a stable terpene oil forming a solid, tacky solution with the rubber.

2,031,961
DESTRUCTIVE HYDROGENATION
Stephen A. Kiss, Brooklyn, N. Y., assignor to Standard-I. G. Company
Application July 24, 1931, Serial No. 553,234
10 Claims. (Cl. 196—52)



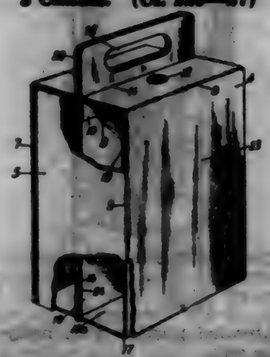
1. In a process for destructive hydrogenation of petroleum the steps of preheating with hydrogen a rapidly flowing stream of an oil fraction capable of complete vaporization below 700° F. at a selected pressure in excess of 20 atmospheres by passing the same through an elongated heating zone of narrow cross section, separately preheating a heavier oil fraction in the absence of hydrogen by passage of a stream thereof through an elongated heating zone of narrow cross section to a temperature above 700° F. while at a pressure above its critical homogeneous pressure, the rapidity of heating and pressure applied to said heavier fraction being adapted to prevent separation of phase, and discharging both streams into a reaction zone, maintained under conditions adapted for destructive hydrogenation.

2,031,962
TYPEWRITER ATTACHMENT
Marie W. Krauth, Hamilton, Ohio, assignor to Krauth & Benninghofen, Hamilton, Ohio
Application March 31, 1934, Serial No. 718,417
1 Claim. (Cl. 197—126)



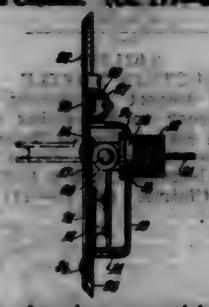
In a device of the nature disclosed, a frame including a tubular post, a rack slidably mounted upon the post, a counter-weight for said rack slidably housed within said post and connecting with said rack, and sheet holding bars removably attached upon one side of said rack, each bar for engagement through a sleeved end of a sheet for suspendingly sustaining the sheet.

2,031,963
CARTON
Theodore A. Kundtz, Columbus, Ohio, assignor to The Federal Glass Company, Columbus, Ohio, a corporation of Ohio
Application September 19, 1935, Serial No. 41,271
5 Claims. (Cl. 229—37)



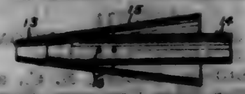
4. In a carton of the type described, an outer casing unit, and an inner handle unit inserted into the outer casing unit, said inner handle unit having side walls which lie adjacent the corresponding side walls of the outer casing unit, said outer casing unit having cover flaps hingedly connected to said side walls thereof which close the upper end of the carton when they are in substantially horizontal position, the upper edges of the said side walls of the inner handle unit being disposed beneath said cover flaps when they are in closed position and contacting therewith to prevent the handle portion from being pulled upwardly out of the outer casing unit.

2,031,964
PULL BOX REMOTE CONTROL
Daniel Mapes, Upper Montclair, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y., a corporation of New York
Application April 1, 1931, Serial No. 526,971
3 Claims. (Cl. 177—372)



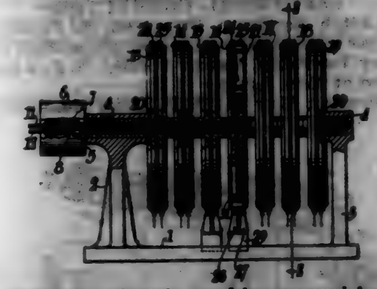
3. A break-glass box comprising a body portion, an actuating means movable with respect to the box, a cylindrical extension on the box and having a curved self-nesting seat for the actuating means, a handle on the actuating means, a fracturable plate forming a closure for the box and normally engaging the handle to maintain the same in a retracted position, a spring between the actuating means and the handle to urge the handle against the plate and maintain the actuating means seated and to move the handle with respect to the box and actuating means when the plate is fractured, at least three spaced circumferential abutments on the body portion to position the plate, an apertured cover carried by the body portion to secure the plate against the abutments, and means on the handle spaced from the circumference of the aperture and bearing on the plate, whereby the fractured portions of the plate tend to fall clear of the aperture upon fracture of the plate.

2,031,965
FIRE EXTINGUISHING APPARATUS
Daniel Mapes, Upper Montclair, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y., a corporation of New York
Application February 19, 1934, Serial No. 716,587
10 Claims. (Cl. 169—11)



3. In combination a source of carbon dioxide under pressure, a discharge nozzle for said source, a shield into which said nozzle discharges carbon dioxide constructed and arranged to prevent substantial entrainment of air therebetween, said shield comprising means to form a central jet of carbon dioxide discharging from the shield with a velocity sufficient to entrain air and means to form a layer of carbon dioxide having a velocity sufficient to surround said central jet as long as it has a velocity sufficient to entrain air.

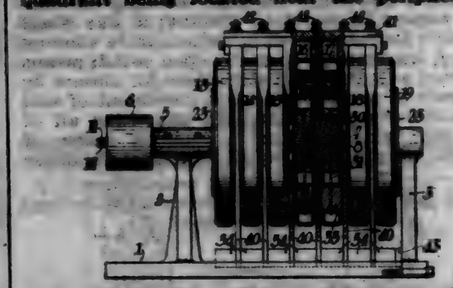
2,031,966
CENTRIFUGAL THERMOELECTRIC MACHINE
Robert J. Mathias, Cincinnati, Ohio
Application November 26, 1934, Serial No. 754,825
5 Claims. (Cl. 136—4)



1. A thermo-electric machine comprising a rotatable casing containing an electrically non-conductive liquid and mounted upon an axis, a thermo-couple system contained therein and enveloped by said liquid, one set of junctions of which system are located near the periphery of said casing and the other set of junctions of which system are located in proximity to the center of said casing, and means for removing electricity from said system when the casing is rotated upon its axis.

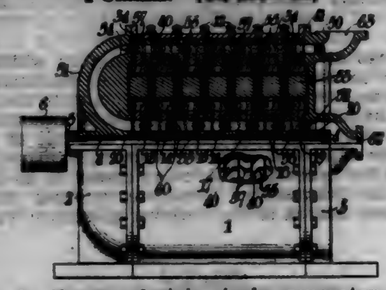
2,031,967
THERMOELECTRIC MOTOR-GENERATOR
Robert J. Mathias, Cincinnati, Ohio
Application November 26, 1934, Serial No. 754,826
4 Claims. (Cl. 172—232)

1. An electric dynamo comprising a stationary armature unit in which electric current may be induced and from which electric current may be withdrawn, and a rotatable field unit in closely spaced relation to said armature, said field unit comprising a casing containing a fluid and containing four quadrants of thermo-couples located 90° apart, one set of junctions of each quadrant being located near the periphery of



said casing and the other set of junctions of each quadrant being located near the center of said casing.

2,031,968
THERMOELECTRIC TURBINE
Robert J. Mathias, Cincinnati, Ohio
Application November 26, 1934, Serial No. 754,827
4 Claims. (Cl. 136—53)



1. A thermo-electric turbo-generator comprising a rotatable thermo-couple system having "hot" and "cold" junctions, means for first-stage conversion of fluid kinetic energy into rotary power associated with the "hot" junctions of the thermo-couple system and means for second-stage conversion of that fluid kinetic energy into rotary power associated with the "cold" junctions of the thermo-couple system.

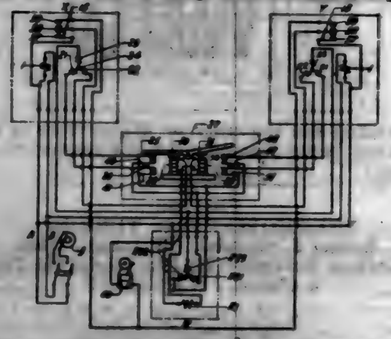
2,031,969
METHOD OF PURIFYING GLASS SAND
Rob R. McGregor, Swissvale, and Edwin W. Tillotson, Pittsburgh, Pa., assignors to Macbeth-Evans Glass Company, Charleroi, Pa., a corporation of Pennsylvania
No Drawing. Application August 24, 1934, Serial No. 742,144
4 Claims. (Cl. 252—8)

4. The method of removing iron and other impurities from glass sand, comprising mixing a body thereof with a dissolving agent of the class consisting of alkali borates, alkali carbonates and alkali phosphates, heating the mixture to such temperature as to dissolve the impurities of the sand without substantial dissolving of the sand, and thereafter treating the mixture to remove the dissolved impurities.

2,031,970
SIGNALING SYSTEM
Samuel Nelson Mead, Amesbury, Mass., assignor to Chas. J. Henschel & Co., Inc., New York, N. Y., a corporation of New York
Application July 11, 1931, Serial No. 552,188
1 Claim. (Cl. 177—337)

In a self synchronous signaling system, a plurality of transmitter units and a receiver unit,

each unit comprising a motor having a field winding and a polyphase armature winding movable with respect to said field winding; a star wheel mounted for rotation with the armature winding of each transmitter, normally open switch means mounted adjacent each star wheel for closure by the teeth of said star wheel on movement of said armature winding, means for energizing all of said field windings from a common source of current, relay means adapted to connect the phase



windings of the transmitter armature which is moved to the corresponding phase windings of the armature of the receiver unit and to disconnect the phase windings of the other transmitter armatures from said armature winding of the receiver unit and means including said switch means for operating said relay means to so connect the transmitter armature winding which has been moved to the receiver armature winding.

2,031,971
LIGHT CONCENTRATE METHOD AND MEANS
William J. Merrissey, Brooklyn, N. Y.
Application November 10, 1933, Serial No. 697,377
10 Claims. (Cl. 88—24)



1. In an optical scanning device, a pair of plates having flat surfaces and squared ends supported at an acute angle relative to each other with adjacent squared ends forming a slit, means for projecting some light rays directly through the slit, and means for projecting other rays onto said surfaces where, due to the angular relation of the surfaces, said last rays are progressively reflected forward to pass through said slit.

2,031,972
SWEETENING PROCESS
Franz Rudolf Meser, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of California
No Drawing. Application June 20, 1933, Serial No. 676,346
4 Claims. (Cl. 196—32)

1. A process for producing a sweet non-corrosive mineral oil distillate, comprising: treating said distillate solely with an alkali hydroxide and elementary sulfur and adding to the resulting product a small quantity of an unsaturated hydroaromatic compound which is capable of inhibiting the corrosive action of sulfur.

2,031,973
IMPREGNATION OF WOOD
Charles W. Mudge, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 24, 1931, Serial No. 570,974
4 Claims. (Cl. 99—12)

3. An improvement in the process of impregnating wood, fiber board and the like with Montan wax which comprises subjecting the wood to a pretreatment comprising wetting the wood with a dilute aqueous solution of hydrochloric acid.

2,031,974
RECOVERY OF CHEMICALS FROM WASTE PULPING LIQUORS
Harold R. Murdock, Canton, N. C., assignor to The Champion Fibre Company, Canton, N. C., a corporation of Ohio
No Drawing. Application November 4, 1933, Serial No. 696,748
5 Claims. (Cl. 23—48)

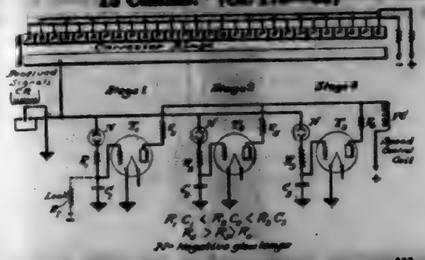
1. The improvement in the process of recovering pulping chemical from the solids content of a waste pulping liquor of a pulping process employing a sodium compound as pulping chemical, which liquor contains a sodium-containing pulping chemical and a considerable proportion of organic matter, which consists in adding to the material under treatment a combustion-promoting inorganic compound which is adapted to yield a substantial proportion of a sodium-containing active pulping chemical and incinerating the mixture.

2,031,975
ELECTRICAL CONDUCTOR
Edwin Fitch Northrup, Princeton, N. J., assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, Mercer County, N. J., a corporation of New Jersey
Application May 14, 1930, Serial No. 452,187
8 Claims. (Cl. 171—97)



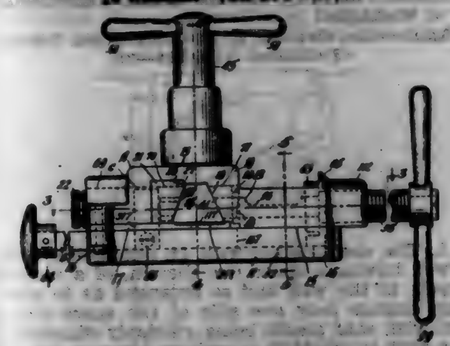
2. A conductor system for supplying large amperages of alternating current comprising a pair of parallel hollow conductors of appreciable linear dimension and free from loops and all but simple bends side by side and close enough together for substantial mutual inductance, a source of water supply connected to pass water through the conductors for cooling purposes, in combination with high frequency electrical apparatus aside from the conductors themselves connected to the conductors, and a source of alternating current having frequency sufficiently high to cause appreciable eddy current losses in a solid conductor, connected to the conductors at points spaced along the conductors with respect to the points of connection of the high frequency electrical apparatus to pass the current from the source through the conductors in opposite directions to the high frequency electrical apparatus, the walls of said conductors being so thin that the cross sectional area is only about one third of that required for similar conductors without the water cooling.

2,031,976
SYNCHRONIZING SYSTEM
Paul A. Nesen, Bergenfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application October 12, 1934, Serial No. 748,133
15 Claims. (Cl. 178—53)



1. A system for synchronizing an oscillatory device with a series of received impulses, which comprises instrumentalities for producing incremental correcting impulses of one polarity or the other, depending upon the phase relation of the oscillations of said device and the received impulses, correcting means including a plurality of circuits having different time constants, each circuit embodying a storing condenser and the input circuit of a thermionic tube, and means including the output circuits of said tubes for utilizing the resulting potential charges on said condensers to correct any departure in phase relation between the oscillations of said device and said received impulses.

2,031,977
TOOL FOR PREPARING BELT ENDS
John C. Olsen, Chicago, Ill., assignor to Flexible Steel Lacing Company, Chicago, Ill., a corporation of Illinois
Application February 21, 1935, Serial No. 7,486
10 Claims. (Cl. 164—15)

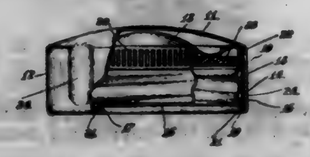


1. In a device for preparing the end of a belt, the combination with a holder recessed for the reception of the end portion of a V-belt; of means for clamping the belt end portion in the recess; means, carried by the holder, for removing a section of the belt transversely thereof and while clamped; and means, carried by the holder, for cutting off the end of the belt while clamped.

2,031,978
ALLOYS
Roy E. Paine, Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application January 4, 1934, Serial No. 705,236
3 Claims. (Cl. 75—1)

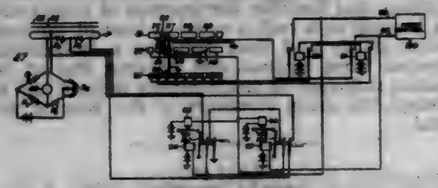
1. A magnesium base alloy containing from about 0.1 per cent to about 20.0 per cent of tin, from about 0.1 per cent to about 4.0 per cent of cobalt, and from about 0.1 per cent to about 10.0 per cent of zinc, the balance of the alloy being magnesium.

2,031,979
CONTAINER CLOSURE
Charles H. Rasmussen, Brooklyn, N. Y., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y., a corporation of New York
Application September 25, 1935, Serial No. 41,943
7 Claims. (Cl. 215—43)



1. A container closure embodying therein an outer shell having a skirt, and an inner shell having a skirt provided with means adapted to co-operate with complementary means upon the neck of a container in applying a closure to, or removing it from, a container, the bottom edge of the skirt of said inner shell being provided with a plurality of pendant lugs spaced in relation to each other circumferentially of the skirt, and the bottom edge of the skirt of said outer shell being inwardly curled to bring its edge in abutting relation to the skirt of the outer shell intermediate said lugs and in engaging relation with the opposite edges of each of said lugs.

2,031,980
GAIN CONTROL CIRCUIT
Haakon I. Romnes, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 23, 1934, Serial No. 716,924
19 Claims. (Cl. 178—44)



1. In control circuits for a station on a signal transmission line, a plurality of attenuation networks for controlling the attenuation on said line, control means comprising a galvanometer for selectively inserting and withdrawing said networks in and from the line to maintain the energy level on the line substantially constant, and means for giving said galvanometer an added movement in the direction of the last movement thereof at the time of inserting a network in and withdrawing a network from the line to prevent hunting action.

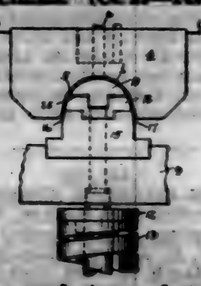
2,031,981
TAPE LADDER FOR VENETIAN BLINDS
George C. Runge, Chicago, Ill., assignor to R. L. Mauser Company, Chicago, Ill., a corporation of Illinois
Application June 22, 1935, Serial No. 27,884
5 Claims. (Cl. 156—17)

1. In a tape ladder for Venetian blinds, the combination with the face and rear bands of the

tape, of slat-supporting members connecting the bands at regular intervals, and transverse stiffening members in one of the bands intermediate the locations of the slat-supporting members.



2,031,962
METHOD OF MAKING BEARINGS
George H. Salzman, Cleveland Heights, Ohio, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a corporation of Ohio
Application September 22, 1931, Serial No. 564,557
6 Claims. (Cl. 29—149.5)



1. In the manufacture of semi-cylindrical bearings and the like, the method of conforming the bearing to a radius equal to that of the completed article and then applying a tangentially directed force against the parting line of the bearing sufficient to mechanically deform and rearrange the grain structure of the bearing material.

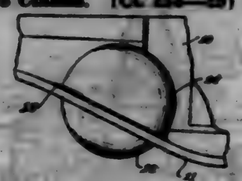
2,031,963
WELL POINT
Arthur C. Sase, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application November 1, 1934, Serial No. 751,017
8 Claims. (Cl. 166—5)

1. A driving and jetting head for a well point comprising an outer substantially cylindrical shell, a driving point of substantially cylindrical form disposed within said shell, means for holding said driving point centrally within the shell in such a manner that an annular space is formed between the outer surface of the driving point and the inner surface of the shell, said driving point projecting out of the lower end of the shell a considerable distance, the lower end of said shell being tapered inwardly almost into contact with the lower end of said driving point so that a narrow annular space is formed between the extreme lower end of the shell and the lower portion of the driving point, the extreme lower end of said driving point being tapered inwardly in all directions to form a sharp point, the extreme lower edge of said shell being bevelled, the angle of bevel of the lower edge of the shell being substantially the same as the angle of taper of the point and being substantially in alignment therewith, a valve chamber formed in the upper end of said shell above the extreme upper end of said driving point, said valve chamber having a ball float valve loosely disposed therein, the upper end



of the driving point being rounded or tapered so that when the ball valve is in its lowermost position it will rest thereagainst at one side of the valve chamber, a valve seat formed in the upper end of said valve chamber on a ring member separate from the shell, the upper portion of the inner wall of said valve chamber being curved inwardly to direct the valve towards its seat.

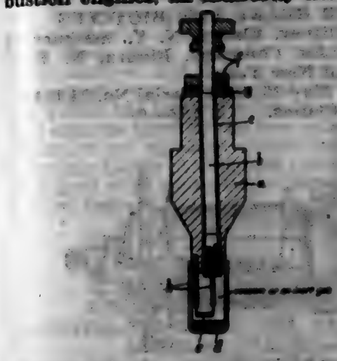
2,031,964
FENDERWELL SUPPORT FOR TIRES
Bladen M. Short, Detroit, Mich., assignor to Lyon Cover Company, Detroit, Mich., a corporation of Michigan
Application October 4, 1934, Serial No. 746,834
3 Claims. (Cl. 224—29)



1. The combination with an automobile fenderwell having a spare tire therein, of a resilient cradle in the well and so arranged as to yieldably engage only one side of the spare tire in the well, said cradle being yieldably disposed in the well to establish a cushion between the tire and the bottom of the well, and including a yieldable support responsive to the weight of a tire inserted in the cradle to cause the cradle to engage a side of the tire and force the tire laterally against and into tight engagement with a side wall of the fenderwell.

2,031,965
INCANDESCENT IGNITER
Hermann Stoll, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany
Application December 15, 1934, Serial No. 757,677
In Germany February 19, 1934
7 Claims. (Cl. 123—148)

1. In an incandescent igniter for internal combustion engines, an indirectly heated cathode, a

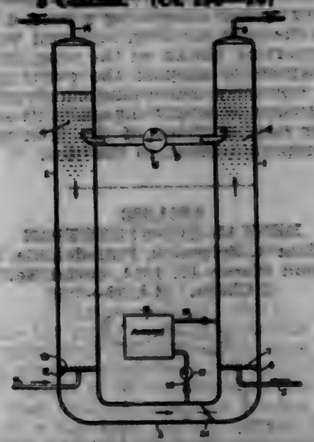


vacuum chamber adjacent said cathode, and a heating element positioned in said chamber.

2,031,966
IMPROVED LUBRICANTS AND PROCESS FOR MANUFACTURING THE SAME
Reginald K. Stratford and Jack L. Huggett, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company
No Drawing. Application July 16, 1931, Serial No. 551,394
6 Claims. (Cl. 87—9)

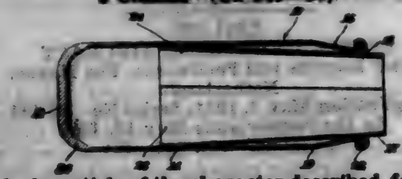
1. A stable lubricating oil comprising a viscous hydrocarbon base containing 1 to 10% of a soap of a heavy metal and 1 to 3% of a solubilizing agent of phenolic character.

2,031,967
CONVERSION OF HYDROCARBONS
Frederick W. Sullivan, Jr., Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill., a corporation of Indiana
Application September 12, 1934, Serial No. 743,734
3 Claims. (Cl. 196—10)



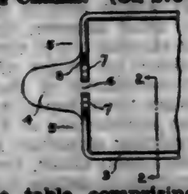
1. In the art of thermally converting dissimilar hydrocarbons, the improvement that comprises carrying on the process in an apparatus comprising separate reaction chambers containing molten material and interconnected to provide for cyclic circulation of the molten material between said chambers, by subjecting a hydrocarbon fluid to an exothermic reaction in contact with the molten material in one of said reaction chambers to thereby elevate the temperature of the molten material, subjecting another hydrocarbon fluid to an endothermic reaction in the other reaction chamber in contact with molten material derived from the exothermic reaction chamber whereby said hydrocarbon fluid absorbs heat from the molten material, effecting a separation of resultant products of reaction from the molten material in each of said reaction chambers, withdrawing products of reaction thus separated and maintaining a cyclic flow of molten material between the exothermic and the endothermic reaction chambers.

2,031,968
CARRIER TUBE
Gustave H. Tebelman, South Orange, N. J., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application July 20, 1935, Serial No. 32,519
5 Claims. (Cl. 243—35)



1. An article of the character described, for carrying slips of paper in pneumatic dispatch systems, including a substantially cylindrical carrier tube having a closed end and an open end, said carrier tube having a tapered portion adjacent its open end to provide means for holding a slip of paper within the carrier tube during its transportation through the pneumatic system.

2,031,969
GAME TABLE
William James Turnbull, West Vancouver, British Columbia, Canada
Application October 2, 1934, Serial No. 746,745
4 Claims. (Cl. 273—37)



1. A game table comprising a substantially oblong playing surface, a projecting portion at opposite ends of the playing surface, a guard rail extending along both sides of the playing surface and from each corner to one side of a projecting portion, and means for closing off the projecting portions from the playing surface.

2,031,999
BRUSH
William E. D. Turner, Portland, Oreg., assignor to Turgard, Inc., Portland, Oreg., a corporation of Oregon
Application November 17, 1933, Serial No. 643,346
12 Claims. (Cl. 15—167)



1. A brush formed of a blank having portions folded to provide two sides, bristles secured to the inner faces of and extending beyond each of said

sides, said sides being spaced apart and having therebetween a cavity for the reception of the material to be spread by the bristles, said material being caused to rise to the top of the bristles to position to be spread when simultaneous inwardly-exerted pressure is applied to the sides.

2,031,901
METHOD OF RECOVERING PIGMENTS
Otto Ungnade and William F. Richards, Mason, Mich., assignors to S. M. A. Corporation, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application January 25, 1934, Serial No. 708,314
3 Claims. (Cl. 260—167)

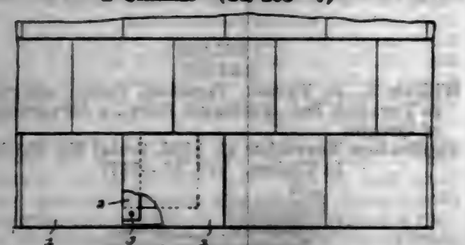
1. The method of obtaining carotene from wet soap containing the same which comprises spraying the soap into the form of droplets, drying the droplets before substantial oxidation of the carotene can occur and then extracting the dried soap with a solvent for the carotene.

2,031,991
STABLE GYROPLANE AIRCRAFT
Pieter Jacobus van Pesiveerde, The Hague, Netherlands
Application May 2, 1934, Serial No. 723,497
In the Netherlands May 18, 1933
2 Claims. (Cl. 244—19)



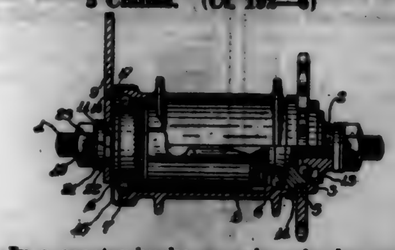
1. A gyroplane comprising a rigid supporting structure, including a rotatable lifting means on the structure, and a fuselage suspended below said supporting structure by a plurality of laterally spaced forward and rearward connecting members of equal length and in parallel relationship with each other between the lower part of said supporting structure and the upper part of said fuselage above its center of gravity arranged to permit movement of the supporting structure and fuselage with respect to each other whereby the tilting movements of the rotatable lifting means supporting structure and fuselage are balanced against each other, the canting or tilting of the supporting structure being counteracted by the weight of the fuselage.

2,031,992
SHINGLE
Patrick S. Vardon, Albany, N. Y.
Application January 20, 1932, Serial No. 587,784
2 Claims. (Cl. 108—7)



1. A flat shingle having one corner provided with a flap folded under the main body and extended beyond the adjacent end edge of said main body to form a nailing tab for the shingle.

2,031,994
COASTER BRAKE FOR BICYCLES
Maurice P. Whitney, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Application May 29, 1935, Serial No. 24,154
5 Claims. (Cl. 192—6)



1. In a coaster brake an axle, a brake member mounted thereon, a hub journalled on the brake member, a cap sealing the bearing between the hub and brake member, a brake arm non-rotatably connected to the brake member adjacent said cap, said cap having an opening to admit lubricant into the hub, the opening being normally covered by said arm, said cap being rotatable to permit access to said opening.

2,031,995
PASTRY COOKER
Frank A. Yost, Hopkinsville, Ky.
Application March 7, 1935, Serial No. 9,437
1 Claim. (Cl. 219—35)



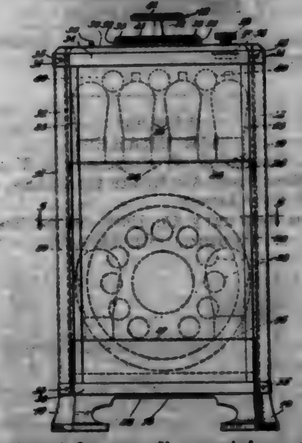
A pastry cooker comprising a base, a shell secured to the base, an oven mounted within the shell, supporting blocks on the base, said blocks being adapted to support the oven, said shell being of upwardly converging construction and of a dimension to snugly engage at its side walls the upper edge portions of the oven when the shell is properly secured to the base.

2,031,996
DENTAL CONSTRUCTION
William A. Zelenick, Philadelphia, Pa.
Application March 17, 1934, Serial No. 716,033
1 Claim. (Cl. 32—39)



A dental construction adapted to be fitted over the exposed portion of a tooth and comprising a metallic shell having a front opening substantially coextensive with the visible portion of the tooth, a plurality of spaced anchor members extending laterally into said front opening and being formed integral with the vertical edges of said shell around the opening, said anchor members being offset inwardly with respect to the front plane of said shell and having the portions thereof adjacent said shell doubly bent and lying within the vertical edges of said shell around said opening whereby the free ends of said anchor members are disposed within said shell, and a porcelain facing closing said opening and held by said shell with said anchor members firmly embedded therein.

2,031,997
RADIO RECEIVING SET
Edward F. Andrews, Chicago, Ill.
Application February 9, 1931, Serial No. 514,350
10 Claims. (Cl. 250—14)

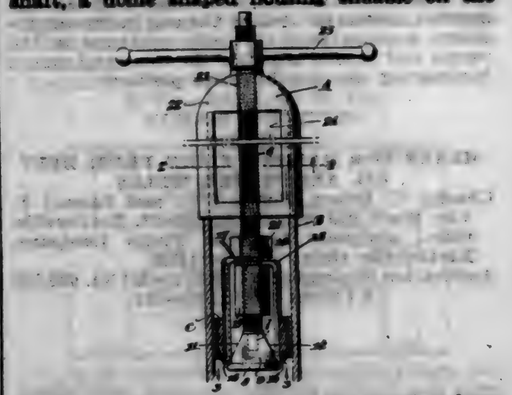


1. A cabinet for a radio receiving set comprising a rigid top, flared channel strips secured to the top and extending at right angles thereto, a substantially tubular wall member adapted to be slid into engagement with the channel strips, and means for securing the wall member to the channel strips.

7. In a radio receiving set a chassis comprising essentially a channel having its side flanges severed and its base bent to provide an L-shaped member, and plates secured to the severed flanges adapted to maintain the L-shaped relationship.

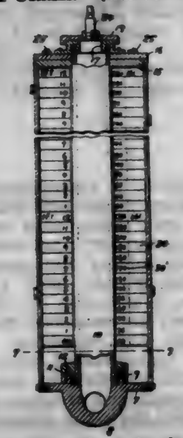
2,031,998
BEARING PULLING TOOL
Louis Vencil Bliss, Calgary, Alberta, Canada
Application April 26, 1935, Serial No. 18,433
In Canada July 24, 1934
1 Claim. (Cl. 29—88.2)

A device for pulling annuli seated in members having cylindrical interiors, comprising a screw-threaded shaft, transversely curved jaws having portions turned in at substantially right angles thereto, said inturned portions having openings therein of a diameter slightly larger than that of the shaft whereby the jaws are slidable on the shaft, the lower ends of the jaws having projecting lugs and being movable toward and away from the shaft, a head mounted on the shaft for spreading the lower ends of the jaws to grip the annulus, said head having parallel sides and transversely curved ends which converge towards the top thereof, a nut threaded on the shaft on the side of the inturned portions removed from the extremities of the jaws and a load taking block threaded in the shaft on the other side of the inturned portions, said nut and load taking block being adapted removably to hold the jaws in expanded position and against longitudinal movement at any desired point on the shaft, a dome shaped housing slidable on the



shaft and adapted to rest on the member from which the annulus is to be pulled, said housing having relatively large openings through which the jaws may be seen, and means for drawing the shaft and thus the annulus outwardly into the housing.

2,031,999
TANK GAUGE
Leonard H. Bogart, Comanche, Okla.
Application March 28, 1934, Serial No. 717,862
1 Claim. (Cl. 73—54)



In combination with a tank, a vertically arranged casing supported at a side portion thereof and having its lower end extending below the bottom of the tank, said casing having its front open, a door for closing said front, a bottom member for the lower end of the casing and having a horizontally arranged tubular part thereon and a vertically arranged opening passing from the bore of the tubular part to the upper face of the bottom member, means containing a valve for connecting the tubular part with the bottom of the tank, a transparent tube supported in the casing and vertically arranged therein, the lower end of the tube being in communication with the opening in the bottom member, packing means carried by the bottom member for the lower end of the tube, a top member for the casing having an opening therein in which extends the top of the tube, packing means for the top of the tube,

and bars connecting the upper closure member with the top part of the tank, the upper part of said top closure member having an opening therein in communication with the tube, a cap for closing the opening and hinged to the top member, means for locking the cap in closing position, a gauge strip vertically arranged in the casing and located adjacent the tube, and means for holding the door in closed position.

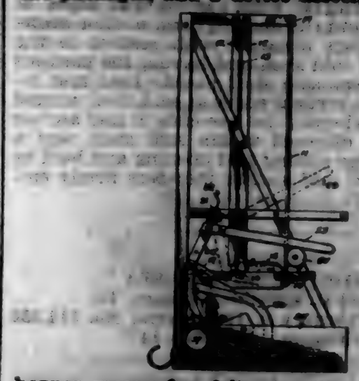
2,032,000
MEANS FOR RAISING FLUID FROM DEEP OIL AND WATER WELLS
Charley C. Brown, Ponca City, and Samuel N. Van Wert and Armais Arutunoff, Bartlesville, Okla., assignors to Reda Pump Company, Bartlesville, Okla., a corporation
Application September 15, 1933, Serial No. 689,532
4 Claims. (Cl. 103—46)



1. In combination, a submergible electrically driven reciprocating pump unit for oil wells, an oil filled motor unit below said pump unit, an oil filled transmission unit between said pump and motor units, means for operatively connecting said transmission unit to said pump and motor units, a separate oil filled lubricating unit interposed between said motor unit and transmission unit for supplying lubricant to said motor and transmission units, means for securing said units together in axial alignment, and means for creating a pressure in said lubricating unit greater than the submergence pressure.

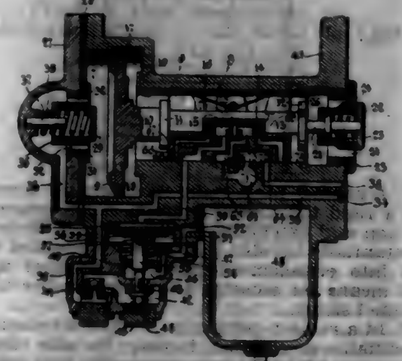
2,032,001
CIGARETTE VENDING MACHINE
William Hiram Brown, Cleveland, Ohio
Application July 23, 1934, Serial No. 736,596
10 Claims. (Cl. 312—34)

1. In a machine for vending cigarettes singly, a package magazine adapted to receive and guide a plurality of packages of cigarettes, each of said cigarette packages being provided with trunnion-means and each package being slitted so that it will automatically open when suspended by said trunnion-means, means for withdrawing the lowermost package from the stack by means of said trunnion-means, means for suspending said package by said trunnion-means when it is thus withdrawn to thereby permit the slitted package to open and gravitatingly deliver the cigarettes, a hopper means for receiving the cigarettes from the packages, and a device associated with said



hopper means for delivering the cigarettes one by one therefrom.

2,032,002
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application February 23, 1932, Serial No. 594,433
11 Claims. (Cl. 303—29)



1. The combination of a quick service measuring chamber; a triple valve adapted for connection with brake pipe, brake cylinder, and auxiliary reservoir, said triple valve having a release position in which it vents said chamber to atmosphere and a service position in which it establishes a passage through which said chamber is adapted to be connected with auxiliary reservoir; and means rendered active by motion of the triple valve from release toward service position to disconnect said passage from said chamber and connect said chamber with the brake pipe, and then disconnect said chamber from the brake pipe and connect it with said passage.

2,032,003
METHOD OF MAKING A DOUBLE GLAZED UNIT
Robert L. Clause, Sewickley, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application November 3, 1934, Serial No. 751,285
3 Claims. (Cl. 49—81)

1. A method of making a double glazing unit, which consists in assembling a pair of glass sheets in parallel with a glass spacing strip between the

edges thereof having its surfaces of a composition which will soften at a temperature substantially below the softening temperature of the glass



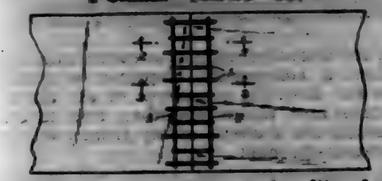
sheets, and heating the unit until said surfaces are softened and adhere to the glass sheets, the degree of heat applied being less than that required to soften the glass sheets.

2,032,004
PRINTER'S GAUGE PIN
Theodore W. Cleveland and Theodore W. Bunten, Weston, W. Va.
Application April 2, 1935, Serial No. 14,268
1 Claim. (Cl. 101—415)



A guage pin of the class described comprising a base, spaced ears rising from said base, a jaw journaled between the ears and cooperable with the base for releasably securing the pin on a tympan, an ear projecting horizontally from one of the first-named ears, a handle extending from the pivoted end of the jaw in opposed relation to the base, and a locking wedge journaled between the second-named ear and the base and engageable between said base and the handle for securing the jaw in closed position, said locking wedge including an upstanding flange constituting an operating handle.

2,032,005
BELT FASTENER
Burton F. Crick, Peers, Alberta, Canada
Application November 7, 1934, Serial No. 751,938
1 Claim. (Cl. 24—30)

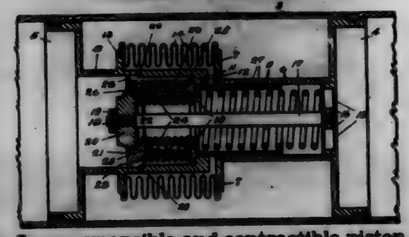


A belt fastener comprising a plurality of staples spaced apart, each staple comprising an elongated bight and a pair of limbs, a pair of elongated bars extending at right angles to the bights and contacting the said bight parts adjacent the ends thereof, said bars being welded to the bight parts of the staples.

2,032,006
METHOD OF RECOVERING CAROTENE FROM SOAPS
Robert J. Cross, Mason, Mich., assignor to S. M. A. Corporation, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application April 7, 1934, Serial No. 718,595
7 Claims. (Cl. 260—167)

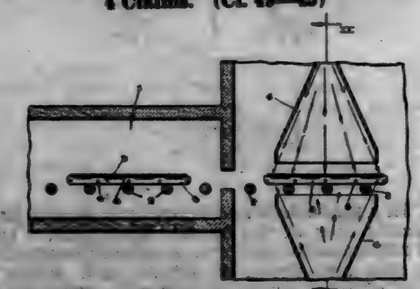
3. The method of producing carotene from a soap containing water, glycerine and carotene which comprises adding a water binding agent to the soap, extracting the carotene with acetone, heating to distill the acetone, agitating petroleum ether with the remaining liquid and then adding a small amount of water to cause stratification of the petroleum ether containing the carotene from the remainder of the liquid.

2,032,007
EXPANSIBLE AND CONTRACTIBLE PISTON FOR LIQUID METERING CYLINDERS
Thomas Arthur Fee, Jr., Vancouver, British Columbia, Canada, assignor to Gasoline Energy Distributors Limited, Vancouver, British Columbia, Canada, a corporation of British Columbia
Application August 27, 1934, Serial No. 741,603
In Canada August 28, 1934
8 Claims. (Cl. 72—30)



1. In an expansible and contractible piston, two piston head members movable toward and away from each other; means operable by a rise in temperature; and piston head moving devices connecting said temperature operable means and said piston head members and relatively moving said piston head members toward each other in response to operation of said temperature operable means by a rise in temperature.

2,032,008
APPARATUS FOR CASE HARDENING GLASS
Henry J. Galey, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application October 13, 1934, Serial No. 748,237
4 Claims. (Cl. 49—45)

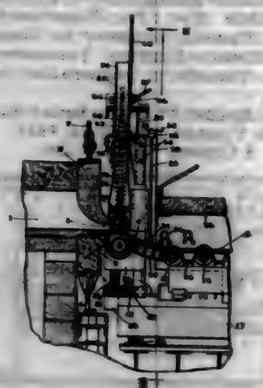


1. Apparatus for case hardening a glass plate comprising a heating chamber and a pair of opposing spaced fluid cooling means which discharge vertically, a horizontal runway extending through the chamber and between the cooling means, and a grid lying upon the runway in a horizontal position and adapted to support the glass plate to be tempered.

2,032,009
APPARATUS FOR MAKING FLAT GLASS
Frederick Geistharp, Tarentum, and John H. Fox, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application August 14, 1934, Serial No. 739,714
8 Claims. (Cl. 49—33)

8. In combination with a glass melting tank having an outlet and a lower driven sizing roll over which the glass is delivered in molten con-

dition direct from the tank in a continuous sheet, said lower roll having its glass engaging



surface provided throughout with a fine uniform pattern, and an upper driven sizing roll and having its surface polished.

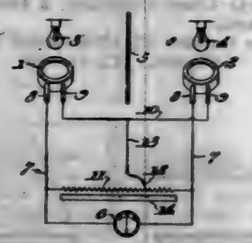
2,032,010

PHOTOELECTRIC CELL CIRCUIT

William Nelson Goodwin, Jr., Newark, N. J., assignor to Western Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey

Application June 23, 1933, Serial No. 677,333

8 Claims. (Cl. 250—41.5)



1. In a photoelectric cell circuit, a pair of photoelectric cells of the barrier layer type, a current responsive device, and a network connecting said cells and device to subject said device to the differential action of currents generated by the said cells; said network including a main series circuit comprising circuit elements joining one set of like terminals of said cells and connecting the device between the other set of like terminals, and means forming a shunt path dividing said main series circuit into two loop circuits having the cells in the non-common portions of the respective loop circuits, said means consisting of passive circuit elements connected between the joined terminals of said cells and said device cells are in the non-common portions of two loop circuits.

2,032,011

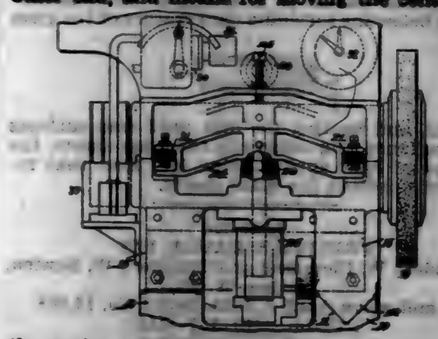
SELF CONTAINED GRINDING WHEEL HEAD

Gardner S. Gould, Lunenburg, Mass.

Application May 7, 1935, Serial No. 20,150

11 Claims. (Cl. 51—168)

1. The combination with a movable support for a metal working tool, of a flexible spring connected at one end therewith, and fixed at the other end, and means for moving the center of



the spring transversely to change the effective length of the spring and move said support.

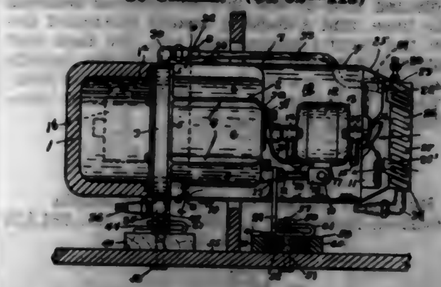
2,032,012

REFRIGERATING APPARATUS

John Alfred Grier, New York, N. Y., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware

Application March 31, 1927, Serial No. 179,747

30 Claims. (Cl. 62—115)



1. A refrigerating apparatus comprising a motor chamber, a compressor chamber, a condenser, means for directing a current of air about said condenser and motor chamber, and means for preventing the current of air from cooling said compressor chamber.

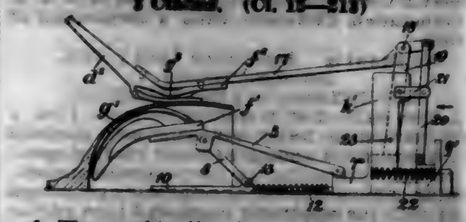
2,032,013

MACHINE FOR WASHING, DRYING, AND POLISHING TUMBLERS, CUPS, AND LIKE ARTICLES

Alfred Griffiths, London, England, assignor, by mesne assignments, to Kleemgins (1925) Limited, Liverpool, England, a British company

Application January 28, 1931, Serial No. 511,839. Renewed August 8, 1935. In Great Britain November 24, 1930

3 Claims. (Cl. 15—213)



1. The combination in machines for washing, drying and polishing glasses, of a rotating head, and inner and outer squeegees upon said head,

each of said inner squeegees consisting of a rubber base and having a strip with an operative longitudinal edge projecting from said base in the direction in which said head is rotating, the part of said operative longitudinal edge in proximity to the closed end of a glass being washed being angularly in advance of the part in proximity to the mouth of the glass, having regard to the direction of rotation of the head.

2,032,014

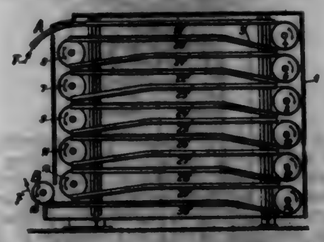
TENTERING AND DRYING MACHINE

Mathias Hahn, Aachen, Germany, assignor to H. Krantz Söhne, Aachen, Germany

Application January 15, 1933, Serial No. 586,839

In Germany January 17, 1931

1 Claim. (Cl. 34—48)



In a tentering and drying machine of the type including an enclosure, means for guiding the fabric to and fro through the enclosure on a circuitous path in spaced layers forming successive drying tiers open throughout substantially the length and height of the enclosure, said means including rotating reversing drums at opposite sides of the enclosure, guide rails, chains running in guide rails and over the drums, means for connecting the fabric to the chains, and means for passing air through the respective drying tiers in a direction substantially transverse the direction of travel of the fabric, the reversing drums at each end of the enclosure being of a size to provide proper travel of the chains thereover and arranged relatively close to each other, with their relative spacing maintaining the fabric layers sufficiently close together as to utilize substantially the full volume of drying air passing therebetween for drying purposes to thereby avoid the necessity of projecting a large volume of air transverse the layers, the intermediate portion of which large volume of air is normally without drying effect on the fabric, certain of the guiding rails being in part inclined to permit the fabric layers to be substantially parallel throughout their greater length of travel lengthwise the machine.

2,032,015

FRICTION GEAR TRANSMISSION

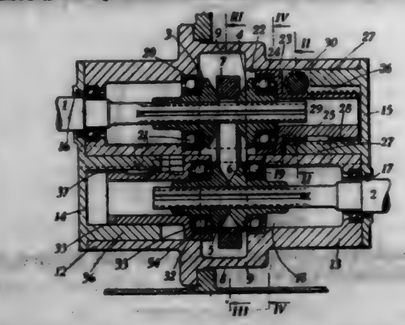
David Hans Heynau, London, England

Application January 8, 1935, Serial No. 1,015

In Germany November 9, 1934

4 Claims. (Cl. 74—193)

1. A speed changing mechanism comprising in combination: a casing having a main casing block with bores; a driving shaft and a driven shaft; a pair of bevel discs mounted on each of said shafts for rotation therewith, one disc of each pair being movable axially towards and from the other disc of the same pair; a rigid friction ring engaging the bevelled portion of both pairs of discs for transmitting motion from one pair to the other; means for shifting said movable discs thereby to vary the position of said ring with relation to the centres of rotation of the discs, and means for transmitting radial pressure from said discs directly to the casing, said means consisting



of bearings which carry directly said discs and are all borne in the said bores of the said casing block, substantially as described.

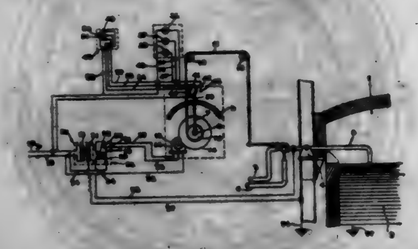
2,032,016

LEVEL INDICATING APPARATUS

Harry F. Hitner, Oakmont, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

Application May 22, 1933, Serial No. 672,246

4 Claims. (Cl. 177—351)



1. A means responsive to the level of a bath of molten glass comprising, an element mounted for movement toward and from the surface of said bath, motor means for controlling said movement, means for controlling said motor means comprising a circuit including a relay, a source of current at high voltage, the movable element and the bath, whereby, upon close approach of said element to said bath, but before actual contact therewith, a current flows in said circuit causing the element to recede from the bath whereupon the current is sufficiently reduced to again cause the element to approach the bath, and additional means to be controlled operatively connected to said motor means.

2,032,017

SHEET METAL INSULATOR SUPPORT PIN AND METHOD OF MAKING THE SAME

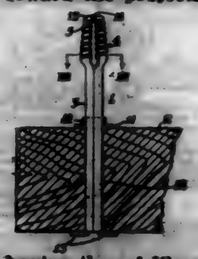
Andrew A. Hoeber, Etna, and Marshall Lasher, Pittsburgh, Pa., assignors to Hubbard and Company, a corporation of Pennsylvania

Application December 16, 1935, Serial No. 54,770

23 Claims. (Cl. 29—155.52)

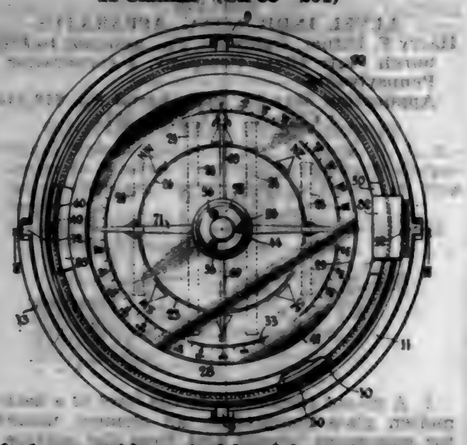
13. An insulator support pin formed from a sheet metal blank and comprising a single piece tubular shank portion formed from an uncut portion of said blank bent to tubular form and a unitary tapered thimble portion formed from strips cut from said blank all unitarily connected together by said tubular shank portion and each deformed so that it extends outwardly beyond

the external surface of said shank portion and then inwardly toward the projected axis of the



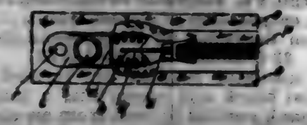
same and each having thread-like ribs formed in the external surface thereof.

2,032,018
CONTROL HEAD FOR INDICATORS
Bradford B. Holmes, Stonington, Conn., assignor to Ruth V. Holmes, Stonington, Conn.
Application November 4, 1932, Serial No. 641,275
11 Claims. (Cl. 33—204)



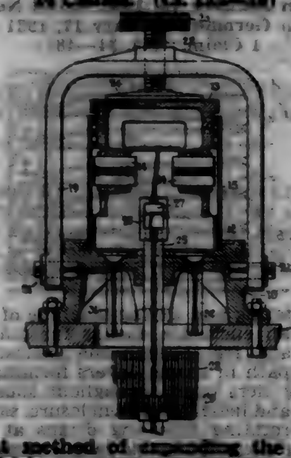
1. A removable control head for indicating instruments, comprising a pair of spaced parallel transparent plates mounted in watertight relation to an enclosing ring; a plurality of electric contacts mounted concentrically within the space between said plates; a rotatable contact arm adapted for cooperation with said contacts; and an electromagnet mounted between said plates and adapted to lift said contact arm into engagement with said contacts.

2,032,019
LOCK FOR INTERLOCKING FASTENERS
Kurt Robert Jordan, Ludenscheid in Westphalia, Germany
Application June 1, 1932, Serial No. 614,724
In Germany January 28, 1932
1 Claim. (Cl. 70—2)



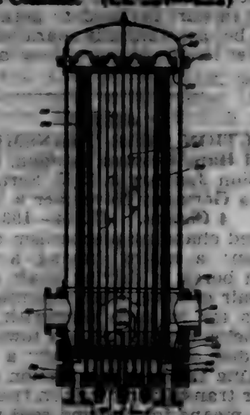
A locking means for the operating slider of a separable fastener means for the opening in a bag or other receptacle; comprising a lockable member rigidly projecting from said slider in the direction of the closing movement thereof, and a lock mounted at the end of the opening, comprising a casing having an aperture adapted to receive the projecting member, upon the operation of the interlocking fastener by the slider to completely close said opening, whereby said slider may be automatically locked in closing position.

2,032,020
METHOD OF EXPANDING PISTONS
Emil A. Koether, Baltimore, Md., assignor, by mesne assignments, to The Bartlett Hayward Company, Baltimore, Md., a corporation of Maryland
Application November 14, 1934, Serial No. 753,025
14 Claims. (Cl. 113—18)



1. That method of expanding the skirt of a piston which consists in projecting a stream of hard bodies against the inner surface of the piston over an area materially in excess of the area of contact of one of said bodies separately considered, the outer surface of the skirt being free of mechanical restraint during such operation, whereby the metal of the skirt is so worked as to definitely expand the same and thereby increase the outer circumference of the skirt.

2,032,021
HEAT EXCHANGE APPARATUS
Charles H. Leach, Roselle, N. J.
Application April 12, 1932, Serial No. 605,912
Renewed May 31, 1935
5 Claims. (Cl. 257—221)



1. Heat exchange apparatus comprising a ring having an integral, transverse and intermediate

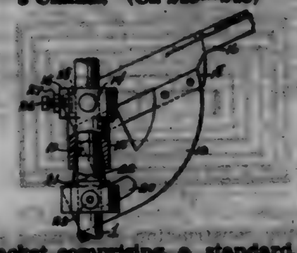
web forming a part thereof and providing a collection basin therebelow, partitions located in the basin and welded to the ring, condenser tubes having their lower ends secured in the web, a separate partition assembly received within the ring and forming cooling fluid passages below the web, and a detachable cover member secured to the web and ring for closing the passages.

2,032,022
FASTENING BEANS
Beales Lee, Drayton, and Frank Percy Bevis, Wateriooville, England
Application January 14, 1935, Serial No. 1,772
In Great Britain January 18, 1934
3 Claims. (Cl. 292—75)



3. A fastening device comprising a ball mounted within a socket and means for preventing the ball from being urged into a releasing position within its socket, said means comprising a fixed abutment located in alignment with but spaced from said ball, a pivoted abutment capable of being swung into and out of said space, said pivoted abutment substantially filling said space when swung thereinto, and means for actuating said pivoted abutment, said last-mentioned means comprising a pivoted lever making connection with said pivoted abutment in the manner of a toggle whereby to cause said pivoted abutment to move into its limit positions with a snap action.

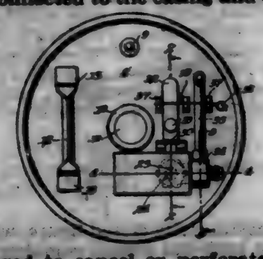
2,032,023
BRACKET
Paul Lisicke, South Coventry, Conn.
Application January 7, 1935, Serial No. 765
3 Claims. (Cl. 248—245)



1. A bracket comprising a standard, a sleeve mounted on the standard, a foot pivoted on the sleeve and extending laterally therefrom, and a split bushing carried by the foot below the sleeve and carried by pivotal movement of the foot into binding engagement with the sleeve and the standard.

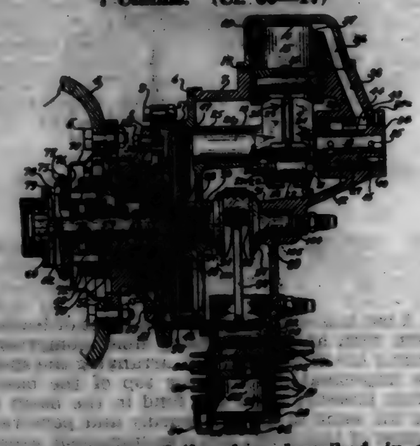
2,032,024
BEER KEG AND DISPENSING MECHANISM
Hubert H. Lacker, Detroit, Mich.
Application June 1, 1934, Serial No. 728,585
6 Claims. (Cl. 225—1)

1. In a device of the type described, a keg, said keg having an opening, a valve casing mounted in said opening, a spring-pressed valve in the casing having an actuating stem terminating substantially at the surface of the casing, said casing surface being of sufficient size to permit a revenue stamp to be applied thereto so as to cover the end of the valve stem, and a valve actuator pivotally connected to the casing and constructed



and arranged to cancel or perforate the stamp when brought to bear against the valve stem.

2,032,025
COMBINED ENGINE STARTER AND COMPRESSOR
Romeo M. Nardone, East Orange, N. J., assignor to Bendix Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application August 26, 1930, Serial No. 477,965
Renewed June 24, 1935
7 Claims. (Cl. 60—17)



1. In a device of the class described, in combination with an engine member, a power consuming device having a crankshaft in alignment with said engine member, a starter having a crankshaft parallel to said first named crankshaft, and a pair of abutting castings rotatably supporting said crankshafts at opposite sides of the eccentric portions thereof.

2,032,026
LICENSE PLATE FOR AUTOMOBILES
Ben C. Rash, Henderson, Ky.
Application May 7, 1935, Serial No. 20,239
4 Claims. (Cl. 40—125)

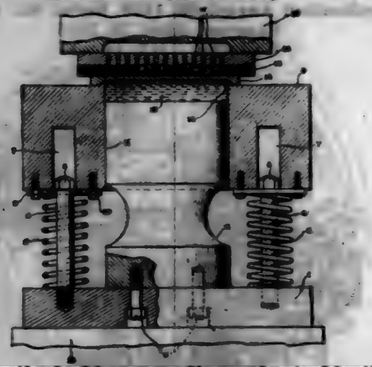
3. A license plate comprising a body portion having a region carrying license indicia and spaced apart regions for receiving spaced fastener elements to secure the plate to a support and for disclosing the transfer of the plate from one car to another car having fastener means of different spacing, each region including a plurality of inchoate fastener openings and push-out means closing said openings and presenting exposed portions cooperating with the exposed portion of the rest of such region to present a substantially normal flat face, each inchoate opening and its push-out closing means being

simultaneously formed by partially cutting through the material of the plate along a line



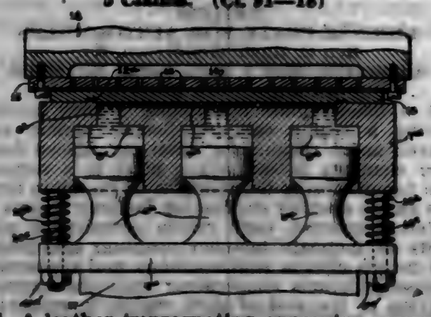
forming a substantially closed figure, whereby removal of the push-out means completes the formation of the opening.

2,032,027
METHOD AND APPARATUS FOR IMPREGNATING LEATHER
Louis du Bois Rees, New York, N. Y., assignor to Hans Rees' Sons, Inc., New York, N. Y.
Application May 25, 1931, Serial No. 539,333
10 Claims. (Cl. 91—48)



1. A method of impregnating a sheet of leather or skin with an impregnating fluid, comprising confining the fluid in a basin, arranging the sheet to be impregnated across the top of the basin, exerting pressure upon the fluid in the basin to cause the same to move upwardly and penetrate the pores of the sheet, and simultaneously exerting pressure on the sheet in the opposite direction.

2,032,028
IMPREGNATING APPARATUS
Louis du Bois Rees, New York, N. Y., assignor to Hans Rees' Sons, Incorporated, New York, N. Y.
Application October 12, 1931, Serial No. 568,461
5 Claims. (Cl. 91—18)



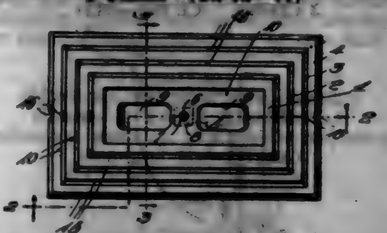
1. A leather impregnating apparatus comprising a piston member, a cylinder member, said members forming a variable sized basin and one member being movable relatively to the other, sealing means surrounding the mouth of said basin, means for holding a sheet to be impregnated across the mouth of said basin and in contact with said sealing means, and pressure exerting means for causing one of said members to move relatively to the other for forcing an impregnating substance from the basin through a sheet stretched across the mouth of the same.

2,032,029
DIRECTION INDICATOR
Robert Samuel Stubbs, Hanna, Alberta, Canada
Application July 14, 1933, Serial No. 680,319
6 Claims. (Cl. 177—337)



4. In a direction indicator a casing having one end open, a rotatable housing mounted in the casing on a shaft carried thereby, an indicator carried by the housing and facing the open end of the casing, means for rotating the housing to a plurality of predetermined positions, a lamp carried within the casing, and said housing having openings, each having a different coloured glass panel to co-operate with said lamp for illuminating the indicator in a plurality of colours, one for each position.

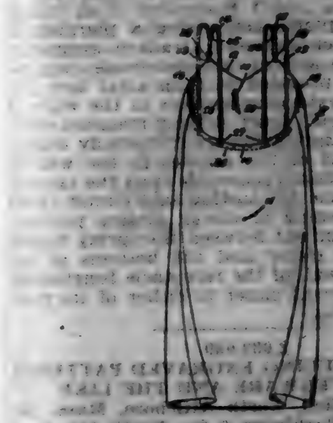
2,032,030
BUILDING CONSTRUCTION
Charles G. W. Talon, New Orleans, La.
Application January 10, 1935, Serial No. 1,203
1 Claim. (Cl. 72—77)



A building construction comprising a series of hollow tile blocks, openings formed in the blocks and adapted to aline with the openings of an abutting block when the blocks are superimposed upon each other, recesses formed in the upper face of the blocks to provide a seat for an abutting block; said blocks being provided further with a central opening adapted to aline itself with the openings of abutting blocks, a rod adapted to pass through the central openings and nuts adapted to be threaded on the rods whereby displacement of the blocks with respect to each other is precluded.

2,032,031
CLOTHING
Harry Weinman, New York, N. Y.
Application February 24, 1934, Serial No. 712,788
3 Claims. (Cl. 2—72)

1. The combination with a feminine undergarment, particularly adapted to be worn and loosely draped or hung from the shoulders of the wearer below evening gowns, of a pair of shoulder straps adjustable both as to length and position so as to lie at different places upon the shoulders of the wearer and to cross the shoulders of the wearer parallelly or to form an X in back of the wearer to conform to the design of the covering garment, said undergarment having a front portion with spaced peaks to be positioned at elevated points on the front of the wearer and a depressed rear portion to extend along the waist of the wearer, said straps taking the form of inverted J's, the ends of the short legs of which are connected to the spaced peaks at front portion



of the undergarment and the rear strap portions being provided each with a single detachable connection element and the rear upper edge of the rear portion of said garment being provided with a line of co-operating detachable connection elements, said detachable connection elements on said straps being formed by attaching tabs of materials to the ear ends of the straps carrying one of the elements of a snap fastener, and the upper rear edge of the back of the undergarment being provided with a plurality of snap receptacles sewed into the garment by circular stitching at spaced intervals, said straps being provided with means to enable adjustment of their length.

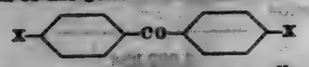
2,032,032
COLLAPSIBLE BOX WITH END WALL LATCHES
Arthur L. Whiten, Evanston, Ill., assignor to Chicago Mill and Lumber Company, Chicago, Ill., a corporation of Delaware
Application April 8, 1935, Serial No. 15,171
4 Claims. (Cl. 217—12)



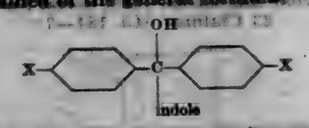
1. A collapsible box including in combination a body including end frame cleats having slots and grooves therein, a pair of end walls, and hooked metal strap springs projecting from the end walls into said slots so as not to project beyond the ends of the box to lockingly engage in the cleat grooves to hold the end walls locked in place.

2,032,033
ACID TRIPHENYLMETHANE DYESTUFFS AND A PROCESS OF PREPARING THEM
Paul Wolff, Frankfort-on-the-Main-Hoechst, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application September 18, 1933, Serial No. 690,038. In Germany September 29, 1932
8 Claims. (Cl. 260—43)

1. The process which comprises condensing a compound of the general formula:

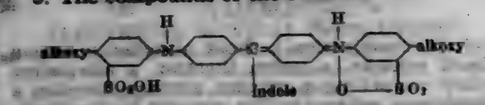


wherein X represents halogen or an alkoxy group, with an indole compound which is substituted in alpha-position by methyl, benzyl or an aryl group of the benzene series, heating the compounds thus obtained of the general formula:



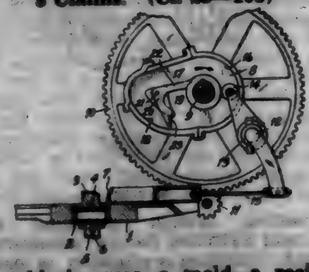
wherein X has the above meaning and indole represents the alpha-substituted indole radical which is bound to the central C-atom in beta-position, with a primary aromatic amine of the benzene series containing an alkoxy group in para-position to the NH_2-group, and finally sulfonating the product thus obtained.

5. The compounds of the formula:



wherein indole represents an indole radical which is bound to the central C-atom in beta-position and which is substituted in alpha-position by methyl, benzyl or an aryl group of the benzene series, being dyestuffs of a very good fastness to light, a clear tint and good color in artificial light.

2,032,034
BLOCK PRESS
Horace Olin Weed, Mexico, Mo., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a corporation of Missouri
Application July 29, 1935, Serial No. 33,695
5 Claims. (Cl. 25—103)

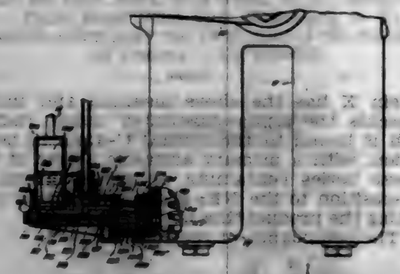


1. In a block press, a mold, a reciprocating charger for charging said mold with material to be molded, a cam operatively connected to said charger for actuating the same, a compacting device operable during each revolution of said cam to compact the material in said mold, and means whereby said charger is moved to charging position during every other revolution only of said cam.

2,032,635
PURIFICATION OF TRINITROTOLUENE
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, a corporation of New York
No Drawing. Application January 26, 1935, Serial No. 2,841
4 Claims. (Cl. 260—142)

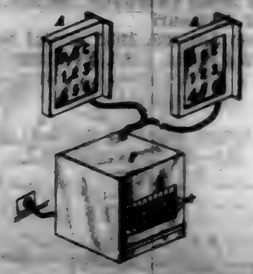
1. In the preparation of purified trinitrotoluene, the process which comprises treating crude trinitrotoluene with a solvent mixture consisting essentially of dichlorbenzene and carbon tetrachloride.

2,032,636
CENTRALIZED LUBRICATING SYSTEM
Oscar U. Zerk, Chicago, Ill., assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application August 29, 1933, Serial No. 687,151
23 Claims. (Cl. 184—7)



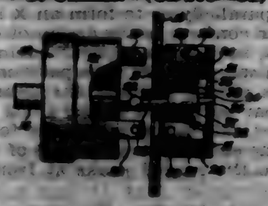
1. In combination a shock absorber having a liquid cylinder, a piston therefor, a lubricating pump comprising a cylinder, a piston therefor, a diaphragm subject to the pressure in the shock absorber cylinder for making the discharge stroke of the pump piston and means for preventing the making of a discharge stroke of the pump unless the pressure in the shock absorber cylinder persists for a predetermined period of time.

2,032,637
PAGING SYSTEM
Charles Auth, New York, N. Y.
Application June 12, 1931, Serial No. 546,830
6 Claims. (Cl. 177—353)



6. A paging system including electrical switches, said switches having actuating mechanisms each including a plurality of parts movable between active and inactive positions, said last mentioned parts being located in banks, and one or more movable members periodically moving in such relation to said above mentioned banks as to periodically operate each switch whenever its corresponding above mentioned part is in active position, said parts being out of the range of action of said members when in inactive position.

2,032,638
ELECTRIC SIGNAL RECEPTACLE AND PLUG
Charles Auth, New York, N. Y.
Application March 10, 1932, Serial No. 598,321
17 Claims. (Cl. 200—51)



1. In a receptacle comprising a plurality of terminal contact elements arranged symmetrically about the axis of said receptacle, said receptacle being provided with an axial bore and longitudinally extending grooves in the walls of said bore, a circuit closer slidably mounted within and having spring fingers frictionally engaging the bottoms of the grooves in the wall of said bore, and means accessible from the exterior of said receptacle for moving said circuit closer into circuit opening or circuit closing position, the frictional contact between the spring fingers of said circuit closer and the bottoms of the grooves in the wall of the receptacle functioning to hold said circuit closer in either of its positions.

2,032,639
ART OF PRODUCING ENGRAVED PATTERNS FOR SILVERWARE AND THE LIKE
Howard M. Ballou, North Attleboro, Mass., assignor to R. Blackinton & Co., North Attleboro, Mass., a co-partnership
Application August 12, 1934, Serial No. 740,035
3 Claims. (Cl. 41—34)



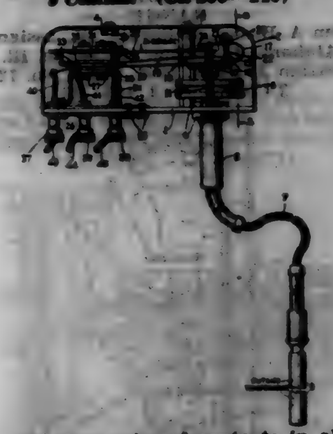
2. The improvement in the art of producing engraved patterns on silverware or the like comprising stamping a selected pattern into the surface of an article, then hand engraving the stamped pattern by cutting away with a hand tool bottom portions of the sunken pattern to form sharply defined cuts resembling those produced in a completely engraved pattern.

2,032,640
BOTTLE FILLING AND CAPPING MACHINE
Walter A. Barrett, Fort Wayne, Ind.
Application June 2, 1932, Serial No. 614,642
3 Claims. (Cl. 226—76)



1. A bottle filling and capping machine comprising a support, a sleeve on the support, a table revolubly mounted on the sleeve, an adjustable member on the sleeve and supporting the table in vertically adjusted position on the sleeve, a reciprocable member in the support and having connection with the sleeve and with the adjustable member; filling and capping mechanisms above the table and arranged in spaced groups, means to support bottles in correspondingly spaced groups on the table, and means to reciprocate the reciprocable member to cause the table to raise the groups of bottles into simultaneous operating engagement with the filling and capping mechanisms.

2,032,641
DIFFERENTIAL CONTROL APPARATUS
Rudolf Beck, Bridgeport, Conn., assignor to Consolidated Ashcroft Hancock Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application October 11, 1933, Serial No. 693,859
9 Claims. (Cl. 200—140)



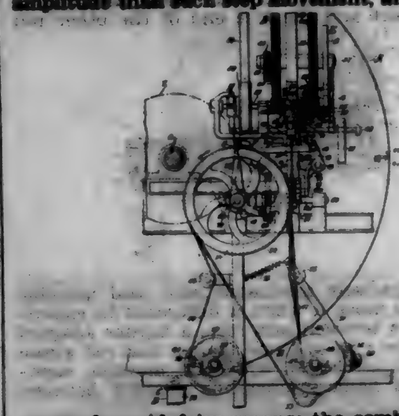
1. A stud, two pairs of contacts in alignment with said stud, means responsive to atmospheric conditions for alternatively making contact between two of said contacts, temperature responsive means for actuating said stud to cause it to vary the position of one pair of said pairs of contacts, and means limiting the movement of said stud in one direction and limiting the movement of said one pair of contacts in the opposite direction.

2,032,642
FINGERNAIL POLISH REMOVER
Clifford E. Bishop, Rego Park, Long Island, N. Y., assignor to Northam Warren Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 30, 1934, Serial No. 733,241
4 Claims. (Cl. 87—4)

1. A non-leaching finger-nail polish remover for conditioning the nails prior to lacquering, consisting essentially of a solution of lacquer solvent and non-drying nail-softening oil in the proportion of approximately one part of oil to fifty parts of lacquer solvent, said oil, in the said proportion, having the effect of nullifying the affinity of the lacquer solvent for the natural oil of the nails without impairment of its affinity for lacquer.

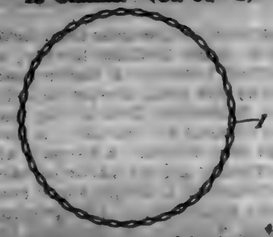
2,032,643
THREAD PRINTING APPARATUS SELECTOR MECHANISM
Daniel Sutter Bonney, Philadelphia, Pa.
Application November 7, 1933, Serial No. 42,658
10 Claims. (Cl. 91—11.81)

1. In selector mechanism for thread printing apparatus having a rotatable thread carrying drum, drive means for imparting step-by-step rotation to the drum in steps of predetermined amplitude, drive means for imparting continuous rotation to the drum through distances of greater amplitude than such step movement, and control



means for said drive means; the combination of a selector wheel, selector devices carried by said wheel, and means for automatically pre-selecting selector devices to operate said control means to effect rotation of the drum through the medium of either of said drive means.

2,032,644
ELECTRICAL MUSICAL INSTRUMENT
Leslie Edwin Alexander Bourn, Ashford, England, assignor to The John Compton Organ Company, Limited, London, England
Application January 31, 1935, Serial No. 4,242
In Great Britain February 8, 1934
15 Claims. (Cl. 84—1)

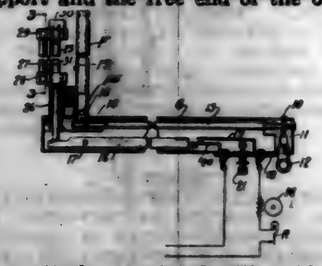


1. In an electrical musical instrument, an electrostatic generator adapted to electrostatically induce a varying potential for producing a single individual sound tone, comprising two relatively rotatable electrodes in electrostatically inductive relation, one of which constitutes a plurality of wave forms and the other a plurality of scanning forms therefor, both said wave and scanning forms being repeated about the axis of relative rotation at such intervals that, at any given moment, the wave and scanning forms of every inductively cooperating pair are at the same relation.

2,032,645
COMPENSATED PILOT-CONTROLLED THERMOSTAT
Nelson T. Branche and Vilym O. Beam, Toledo, Ohio, assignors to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application November 1, 1934, Serial No. 751,063
5 Claims. (Cl. 158—117.1)

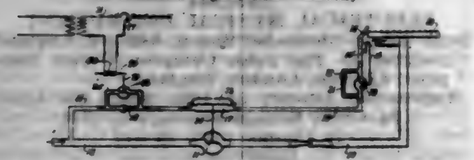
1. In apparatus of the class described, the combination of a movable member and a support for

the same, a thermostat for actuating said member and comprising two rods and a cross piece from which the rods extend in spaced relation and in the same direction to form a U-frame, the free end of one of said rods being anchored to said support and the free end of the other rod



being operatively associated with said movable member to move it when a difference in expansion occurs between said rods, a burner adapted to discharge a jet of flame against that rod whose free end is associated with said movable member, and a flame-intercepting member between the rods.

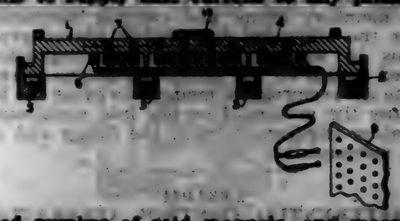
2,032,046
CONTROL MECHANISM FOR BURNERS
Nelson T. Branche, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application November 12, 1934, Serial No. 49,337
2 Claims. (Cl. 158—117.1)



1. In apparatus of the class described, the combination of a main heating burner, a pilot for lighting the main burner, a thermostat arranged to be heated by the pilot, means including a shut-off valve for delivering fuel to the main burner, a gas supply conduit for the pilot, a flow-restricting orifice in said conduit, a by-pass around said orifice, a normally closed valve in said by-pass, means controlled by a temperature condition remote from the main burner for opening the valve in the by-pass whereby to increase the amount of gas flowing to said pilot, a movable flow-restricting means in said conduit at a point between said orifice and said pilot and movable by the said thermostat toward flow-restricting position for decreasing the amount of gas flowing to the pilot consequent on the opening of the valve in said by-pass and to build up back pressure in the conduit, and means dependent on a predetermined back pressure in said conduit for opening said shut-off valve.

2,032,047
PRINTING PRESS FOR PRINTING SPOTS OF WAX CARBON ON SHEETS OF PAPER
William F. Burke, Albeas, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation of Ohio
Application October 20, 1934, Serial No. 749,351
8 Claims. (Cl. 101—382)

1. In a type bed for printing presses for printing spots of wax carbon on sheets of paper, a plurality of heating elements to heat the bed, a plurality of electric magnets mounted therein, said magnets being spaced from each other, means to supply electric current to said magnets, means to supply said current to any predetermined number of said magnets, and means to protect the winding of said magnets from the heat.



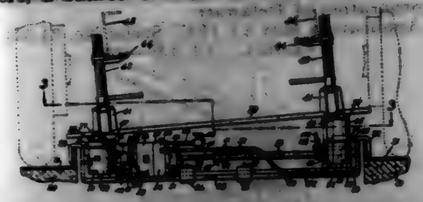
2,032,048
RANGE
William A. Budak, Belleville, Ill., assignor to Alphonse E. Fellner, Belleville, Ill.
Application April 27, 1934, Serial No. 723,646
2 Claims. (Cl. 126—96)



1. In a combination gas and coal range, an oven, a burner, primary and secondary air openings in the bottom of said range, dampers operatively positioned over said primary and secondary air openings, the damper for the primary air opening supported by and in frictional engagement with the damper for the secondary air opening, so that the movement of the secondary damper actuates the primary damper, a rod connected to said secondary damper at one end and to a link at its other end, a triangularly shaped plate pivotally mounted to an end wall of said oven, said link pivotally connected at its free end to said triangularly shaped plate, a second link pivotally secured at one end to said triangularly shaped plate, a gas valve for the control of said burners, a valve stem operatively forming a part of said gas valve, an arm formed on said valve stem, the free end of said second link secured pivotally to the free end of said arm so that a rotation of said valve stem will open and close the dampers for the primary and secondary air openings.

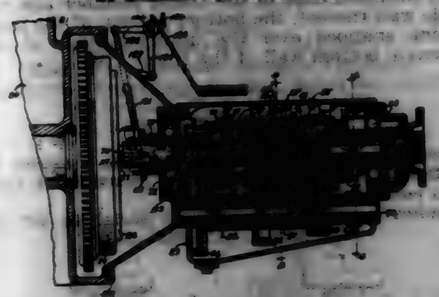
2,032,049
ROCKING DEVICE
Ernst C. Claus, Chicago, Ill.
Application August 9, 1934, Serial No. 738,815
7 Claims. (Cl. 73—61)

1. In a machine as described, the combination with a lifting member, motors for alternately lifting and lowering opposite ends of said member, a shaft, levers mounted at either end of said shaft, for rotating the same when being rocked, sliding members on said motors for rocking said levers, a source of fluid under pressure, means



adapted to provide communication between said fluid source and said motors, and valve mechanism actuated by said shaft for alternately opening and closing said communication.

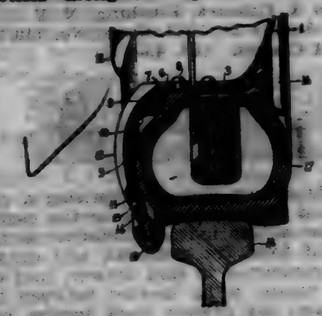
2,032,050
AUTOMOTIVE TRANSMISSION AND BRAKING MECHANISM
Frederick W. Cotterman, Dayton, Ohio, assignor of one-half to Bessie D. Apple, Dayton, Ohio
Application July 28, 1933, Serial No. 682,051
10 Claims. (Cl. 74—472)



1. The combination, in power transmission mechanism, of a rotatable driving member, a rotatable driven member, gearing drivably connecting the two said members, a clutch for connecting the two said members directly, overrunning means in said gear train operative when said members are connected directly, and a centrifugal means operable outwardly to engage said clutch comprising axially parallel governor weights bodily rotatable about the axis of said members pivotally held against centrifugal force near the middle, the one end being lighter than the other, and supplementary weights operative to add their centrifugal force to the said lighter ends but rotatable at a different speed than the governor weights, and means connecting the governor weights to one rotatable member for rotation therewith and the supplementary weights of the other rotatable member for rotation therewith, whereby more force is added to said lighter end as the supplementary weights are revolved faster as compared to the governor weights.

2,032,051
RAIL CAR WHEEL
Carolus L. Ehrergian and Paul E. Baker, Detroit, Mich., assignors to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application November 17, 1932, Serial No. 643,470
6 Claims. (Cl. 295—31)

6. A pneumatic tire rail-car wheel comprising a sheet metal wheel body, tire rim and wheel flange secured together to form a flanged wheel and tire rim, said rim and flange being secured together along two spaced annular lines but



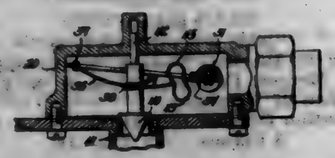
separated from each other between said lines to form an annular closed hollow rib.

2,032,052
SHOE PROTECTING DEVICE
Stanley Friedenberg, New York, N. Y.
Application October 27, 1933, Serial No. 695,472
7 Claims. (Cl. 36—7.3)



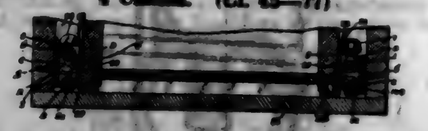
1. In combination with a shoe having spiked sole and heel portions, a secondary shoe element for the shoe having a secondary sole, the element comprising peripheral portions having horizontal surfaces disposed above the inner surface of said secondary sole and defining a plurality of recessed areas therein for the reception of the spikes, the depth of the recesses being sufficient to maintain the spikes out of contact with the secondary sole, the shoe sole and heel portions being supported on the horizontal surfaces of said peripheral portions of the shoe element.

2,032,053
SNAP VALVE
Frank A. Gauger, Milwaukee, Wis.
Application March 7, 1932, Serial No. 597,124
5 Claims. (Cl. 137—139)



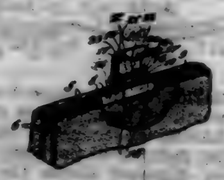
1. A valve construction comprising a valve seat, a valve cooperating with said seat, a rock shaft spaced laterally from said valve, a rock arm carried by said rock shaft, and a bowed spring carried by said rock arm and operatively connected with said valve adjacent the middle of said bowed spring, said bowed spring having compensating means adjacent one end of said bowed spring, and said rock arm being movable past the dead center position of said bowed spring, whereby a quick opening and quick closing of said valve is provided when said rock arm passes from side to side of the dead center position of said bowed spring.

1,899,854
SLIDE DRAWER CONSTRUCTION
Nathan A. Gussack, Flushing, N. Y.
Application August 21, 1924, Serial No. 748,763
4 Claims. (Cl. 45—77)



1. A slidable drawer device comprising a casing, fixed track means connected to the casing, extension slide means movable relative to and guided by said fixed track means, and drawer track means connected to said drawer, said extension slide means being located between the fixed means and the drawer track means, said fixed track means and said extension slide means having cooperating vertical webs, the extension slide means having roller means in rolling contact with both said webs.

1,925,625
BAG FRAME FASTENER
William C. Hiering, Newark, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a corporation of Delaware
Application July 25, 1924, Serial No. 726,814
2 Claims. (Cl. 292—262)



1. A latching device for frame members of a hand bag, said device comprising a ledge attached to one of the frame members, said ledge having upwardly directed ears and a right-angled upwardly directed flange, bosses projecting upwardly from said ledge and spaced from said flange, a bowed spring positioned between said bosses and flange, a latching member pivotally supported by said ears, and a lug on said latching member engaging said bowed spring at all times, said latching member being adapted to frictionally engage the other frame member to hold the two frame members together.

1,932,456
BAG FRAME LATCH
William C. Hiering, Newark, N. J., assignor to J. E. Mergott Company, Newark, N. J., a corporation of Delaware
Application October 6, 1924, Serial No. 747,149
3 Claims. (Cl. 292—19)



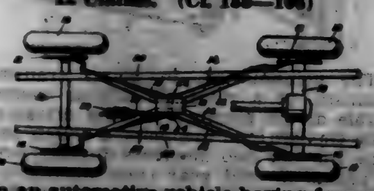
1. In a latching device for hand bag frame members, a supporting element adapted to be secured to a frame member, a latching member having a groove therein to receive the supporting element, and tabs cut from the side walls of the groove, said tabs being substantially parallel to the bottom of the groove and engaging the supporting element to securely hold the parts together.

1,932,957
HANDBAG FRAME
William C. Hiering, Newark, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a corporation of Delaware
Application May 15, 1925, Serial No. 31,544
5 Claims. (Cl. 150—29)



1. In a hand bag, a frame member comprising an outwardly opening channel having a side wall, and a top wall bent back upon itself to provide an edge directed towards and spaced from the side wall, said member having an arcuate bottom wall providing an upturned edge, and a channelled inlay having top covering material attached thereto, said inlay having an outer wall, and an inner wall of greater height than the outer wall so that when the inlay is inserted into the frame member, the upper portion of the inner wall of the inlay will be positioned between the inturned edge of the frame member and the side wall thereof, the bottom portion of the inlay being snapped over the upturned edge of the arcuate bottom wall of the frame.

1,933,059
BRAKE
Bryan E. Hoose, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 12, 1932, Serial No. 697,767
12 Claims. (Cl. 188—106)



1. In an automotive vehicle having four wheels equipped with brakes, an X-frame including diagonal members, means including a foot pedal and a hand lever to apply the brakes, brake levers pivoted on said diagonal members, connecting means between the foot pedal and the hand lever and opposite ends of one of said levers, and means to vary the effective lever arm of one of said connecting means.

1,933,059
SKATE WHEEL AND METHOD OF PRODUCING SAME
Leland G. Knapp, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application April 21, 1933, Serial No. 667,189
2 Claims. (Cl. 295—11)

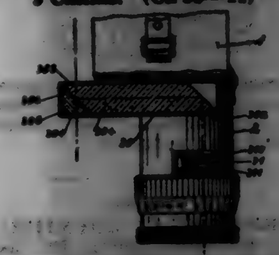
1. In a wheel of the class described, the combination with a sleeve having a ball runway, and a series of balls arranged in said runway, of a rim surrounding said sleeve, and a plurality of disks arranged within the rim and disposed at opposite sides of said ball runway, each of said disks being provided with a peripheral flange extending at an angle to the disk and seated against the inner face of the rim, said disks being provided with contact areas for engagement with said balls to

establish an anti-friction bearing between the disks and said sleeve, one of said disks being fixedly related to said rim, the other disk being detachably related to the rim and to the fixed disk



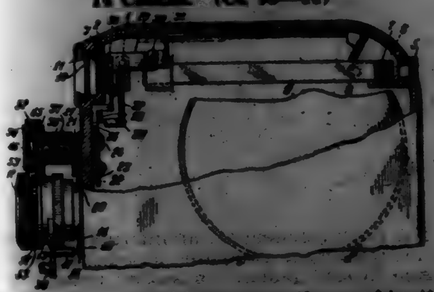
and serving to clamp the balls in said runway, the inner faces of said disks being provided with projections adapted to contact and space apart said disks in their assembled relation, and means for connecting said disks.

1,933,060
PHOTOGRAPHIC CAMERA
Heinz Kilppenbender, Dresden, Germany
Application September 19, 1924, Serial No. 744,522
In Germany September 22, 1923
9 Claims. (Cl. 95—44)



1. A camera, an objective mounting detachably fastened to it and a telemeter of the home-base type consisting of the ray collecting device separated from the ray deflecting device, said ray collecting device being attached to the camera body and said ray deflecting device being attached to the objective mounting.

1,933,061
PHOTOGRAPHIC CAMERA
Heinz Kilppenbender, Dresden, Germany
Application November 17, 1924, Serial No. 753,421
In Germany November 22, 1923
14 Claims. (Cl. 95—44)



1. In a photographic camera, the combination of a lens system, means for adjusting the same, a finder, optical members forming a single wedge in front of said finder, means for adjusting said wedge forming members angularly to each other, and means operatively connecting said wedge adjusting means with said lens system adjusting means.

1,933,062
APPARATUS FOR ENGRAVING SOUND VIBRATIONS ON FLEXIBLE RECORDS
Maurice A. Lishtan, Fort Howard, Md., assignor, by mesne assignments, to Fidelitone Records, Inc., a corporation of New York
Application February 2, 1931, Serial No. 514,782
7 Claims. (Cl. 274—9)



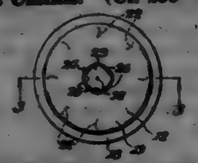
1. In a machine for engraving sound vibrations on flexible records, a stationary support having a resilient record supporting surface and means to revolve a flexible record on said support.

1,933,063
TELEPHONE PAY STATION APPARATUS
George A. Long, Hartford, Conn., assignor to The Gray Telephone Pay Station Company, Hartford, Conn., a corporation of Connecticut
Application April 4, 1923, Serial No. 664,531
8 Claims. (Cl. 116—149)



1. In combination in a telephone, a gong having a stem, a support in which said stem is secured, a damper positioned for contact with said gong, and means to maintain a variable degree of contact of said damper with said gong.

1,933,064
SPRINKLER HEAD
Harry E. Moag, Oak Park, Ill., assignor to W. D. Allen Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 13, 1924, Serial No. 743,786
2 Claims. (Cl. 299—18)



1. A sprinkler head comprising a circular spray chamber having a tangential inlet port and provided at its top with a four-sided, axial outlet port bounded by a vertical wall substantially parallel with the axis of the port and having sharply rounded corners and side edges outwardly bowed to a slight extent, substantially as described.

2,032,065
RADIATOR CORE
Arthur B. Modine, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application November 16, 1932, Serial No. 642,829
3 Claims. (Cl. 257—120)



1. A radiator core comprising a plurality of tubes each having inwardly protruding transverse projections upon their opposite sides spaced to form a zigzag channel of substantially uniform width adapted to direct a fluid flowing through said tube alternately from side to side and against the opposite sides and projections of the tube turbulently, in combination with a plurality of fins arranged transversely of said tubes and engaging the walls thereof, said fins being corrugated and spaced to form a zigzag channel of substantially uniform width between said fins, thereby directing the air passing therebetween from side to side of said channel and against said fins turbulently, said corrugations being of maximum amplitude at the forward side of said fins and diminishing toward the rear thereof.

2,032,066
CLUTCH
Henry W. Nieman, Bethlehem, and Garrett B. Linderman, Jr., Pittsburgh, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Application November 14, 1933, Serial No. 697,893
8 Claims. (Cl. 192—105)



1. In a clutch to transmit rotary motion, a driving member, a driven member, an expansible friction element tractively connected to one of said members, the other of said members having a first internal bearing surface inclined to the plane of rotation of said members and a second bearing surface inclined to said first bearing surface, and means to cause an axial movement of one of said bearing surfaces in relation to the other of said bearing surfaces.

2,032,067
PAPER ENVELOPE
Edwin E. Perkins, Riverside, Ill.
Application October 2, 1934, Serial No. 747,260
3 Claims. (Cl. 229—66)

1. A paper envelope having its face ornamented and coated with a flexible adhesive protective and transparent covering, said coating extending around onto the back of the envelope to reinforce the folds of the paper at the edges.

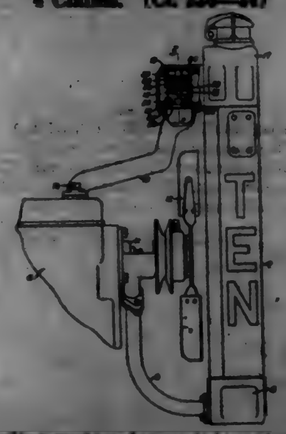


2,032,068
LOCOMOTIVE CAB CURTAIN
James E. Hooper, Ruxton, Md., assignor to Wm. E. Hooper & Sons Co., Baltimore, Md., a corporation of Maryland
Application November 13, 1934, Serial No. 754,475
14 Claims. (Cl. 105—16)



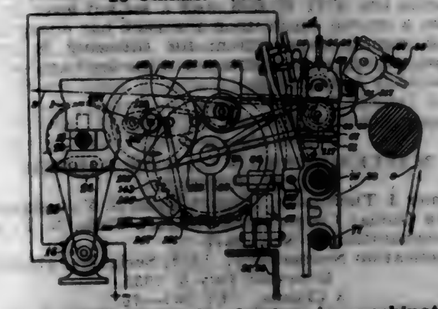
2. A locomotive cab curtain composed of flexible asbestos fabric with reinforcing strips of fabric composed of vegetable fibers secured to the asbestos fabric on the outside.

2,032,069
THERMOSTAT MOUNTING
William H. Rainford, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application November 14, 1933, Serial No. 693,516
4 Claims. (Cl. 236—34)



3. A cooling system for an internal combustion engine comprising a radiator, a passage from said engine to said radiator, a second passage from said engine to said radiator, said passages cooperating to provide for circulation of cooling fluid between said engine and said radiator, one of said passages having a chamber therein and including a detachably secured duct member, the chamber being positioned adjacent a point of connection of said duct member, a thermostat control unit positioned in said chamber adjacent said point of connection of said duct member and including a valve seat member extending across said one passage, and means independent of the securing means for said duct member for holding said valve seat member against an annular abutment in said one passage.

2,032,070
SELVAGE OPENER FOR TENTERING MACHINES
William D. Rundlett, North Adams, Mass., assignor to The James Hunter Machine Company, North Adams, Mass., a corporation of Massachusetts
Application March 18, 1932, Serial No. 599,651
16 Claims. (Cl. 26—65)



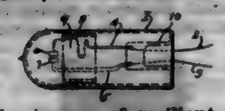
1. A cloth expander having in combination rolls compressing the cloth between them and extending at right angles to the travel of the cloth, non-rotating supporting means within the rolls and supported wholly outside the width of the cloth, driving means for the rolls independent of the cloth, and means for varying the compressive force exerted by the rolls on the cloth.

2,032,071
CEMENTITIOUS PAINT AND PLASTIC COMPOSITION
Herman A. Scholz, Oak Park, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Continuation of application Serial No. 423,490, February 14, 1930. This application September 16, 1934, Serial No. 743,421. In Canada October 30, 1930
10 Claims. (Cl. 134—46)

1. The process of lowering the consistency of a suspension of a hydraulically setting material in a liquid medium which comprises treating the suspension with a composition comprising gum arabic and calcium hydroxide, in amounts to render the composition alkaline.

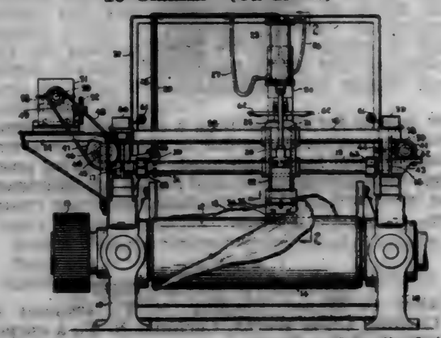
2,032,072
CIRCUIT BREAKER
Ralph M. Smith, Detroit, Mich.
Application February 21, 1934, Serial No. 712,273
7 Claims. (Cl. 200—87)

1. A circuit interrupter comprising a container of insulating material, a pair of lead-in wires, a pair of tongues positioned in parallel relation within the container to which the lead-in wires are respectively connected, one of the tongues being of a spring like conducting material and the other tongue being of comparatively rigid conducting material, an armature of tubular form



secured to the tongue of resilient material and enclosing the contacts and limiting movement of the resilient tongue in separating the contacts.

2,032,073
APPARATUS FOR TREATING PLASTIC MATERIAL
Horace D. Stevens, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 10, 1933, Serial No. 665,398
10 Claims. (Cl. 18—2)

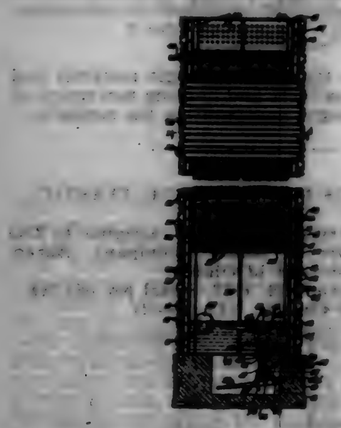


6. In apparatus of the character described, the combination of a pair of driven mill rolls, a scraper comprising a rectangular blade disposed in a plane parallel to the axis of said mill rolls and adapted to be brought into engagement with one of said rolls, said blade having blunt end portions rising from the surface of said mill roll when said blade is in engagement therewith, and means for moving said scraper in opposite directions in its own plane, longitudinally of said mill roll, whereby said scraper may remove a portion of a sheet of material on said mill roll and one of said end portions will move into engagement with the portion of the sheet of material so removed from the roll for gathering or rolling said material upon itself preparatory to feeding the material back in between the mill rolls, and upon movement of the scraper in the opposite direction, the other end portion of said scraper will engage the material removed from the mill roll for the purpose specified.

2,032,074
APPARATUS FOR PROCESSING GAS
John C. Swan, Marietta, Ohio; Charles W. Swan executor of said John C. Swan, deceased
Application June 12, 1935, Serial No. 26,223
10 Claims. (Cl. 257—28)

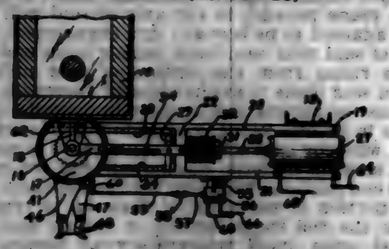
1. Apparatus for processing gas including a jacket, a casing spaced within said jacket and forming a gas receiving chamber therebetween, means for admitting gas under pressure to said receiving chamber, said casing having a condensing chamber at one end communicating with said receiving chamber, an intermediate refrigerant chamber, and a condensed liquid receiving chamber beyond the refrigerant chamber, refrigerant tubes located in the refrigerant cham-

ber and communicating at opposite ends with the condensing chamber and the liquid receiving chamber, means for admitting refrigerant liquid to the refrigerant chamber, means for withdrawing refrigerant vapor from the refrigerant cham-



ber, means for maintaining a constant maximum level of condensed gasoline in the liquid receiving chamber and for continuously withdrawing gasoline from said chamber, and means for withdrawing processed gas from the liquid receiving chamber.

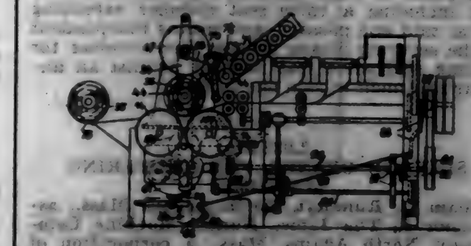
2,032,675
SHEARING MECHANISM
Walter C. Weber, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application April 28, 1933, Serial No. 668,423
1 Claim. (Cl. 49—14)



In a glass shear a shear blade, a brake drum carried thereby, a shear blade driving motor in which energy is stored while the shear blade is at rest at a point beyond which it could absorb heat from a stream of molten glass, a latch for holding the shear blade in such position against the force of the driving motor, said latch being periodically released to permit the shear blade to pass through the glass stream at high speed under the influence of the driving motor and a brake band adapted to be contracted on the drum to retard the motion of the shear blade after it has passed through the glass stream.

2,032,676
LAP FORMING APPARATUS
Jules Weinbrenner, Thann, France
Application June 22, 1934, Serial No. 732,138
In Germany June 24, 1933
1 Claim. (Cl. 19—163)

In an automatic lap-forming apparatus of the type described in which the finished lap roller is expelled under the action of ascending rack-bars, a device for a mechanical braking of the free dropping movement of said rack bars towards the end of the stroke and comprising a pinion meshing with the rack bar, a disc coaxial with said pinion, a brake-shoe acting upon said disc,



a spring-controlled lever system operating the brake-shoe, a catch upon the rack bar timely engaging the lever system, and a second lever system, a second catch upon the rack bar engaging said second lever system for throwing in the main movement transmission of the machine, substantially as described.

2,032,677
MANUFACTURE OF SILICON CARBIDE RESISTORS
Almer J. Thompson, Niagara Falls, N. Y., assignor to Globar Corporation, Niagara Falls, N. Y., a corporation of New York
Application November 17, 1931, Serial No. 575,699
Renewed July 6, 1935
8 Claims. (Cl. 201—76)



4. The method of producing silicon carbide resistors having different specific resistances which comprises applying to the resistors a slurry containing silica and a conducting material which is a chemical constituent of silicon carbide, curing the resistors by passing an electric current through the said resistors, and producing separate batches of resistors having different specific resistances by changing the ratio of the silica and the said conducting material in the slurry applied to the said batches.

2,032,678
HINGE
Harry B. Adams, Boston, Mass.
Application September 18, 1933, Serial No. 694,200
3 Claims. (Cl. 16—73)

1. A hinge having two interpivoted leaves, an inturned lug at the outer edge of one leaf forming a keeper, a movable catch arm upon the inner face of the other leaf for engaging under said keeper when the leaves are partly closed, and power means activated by said closing of the hinge to a point where said catch arm interengages with said keeper for causing said interen-



gaged members automatically to complete the closing movement.

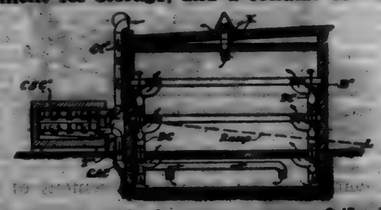
2,032,679
PUMP OR MOTOR
Elek K. Benedek, Mount Gilead, Ohio, assignor to The Hydraulic Press Mfg. Company, Mount Gilead, Ohio, a corporation of Ohio
Original application April 25, 1933, Serial No. 667,499. Divided and this application September 28, 1933, Serial No. 691,348
1 Claim. (Cl. 103—161)



In a pump or motor, primary and secondary rotors rotatable about individual axes and movable relatively during rotation, radial piston and cylinder assemblies operatively interconnecting the rotors and including crossheads, and crosshead guide blocks secured to said secondary rotor with tangentially disposed grooves for reciprocably receiving said crossheads, said grooves having a clearance over said crossheads sufficient to permit tilting thereof, each said crosshead being connected to each piston by a ball-and-socket joint unit with one portion thereof on said piston and one portion on said crosshead, said ball portion being movable relatively to said socket portion during the operation of said pump or motor, the crosshead portion of said joint unit being positioned eccentrically in said crosshead from front to rear thereof so as to cause said crosshead to tilt relatively to said guide block, whereby to provide a wedge-shaped clearance with a wedge-shaped lubricant film between said crosshead and said tangentially grooved guide block and also to provide self-alignment between said piston and said crosshead.

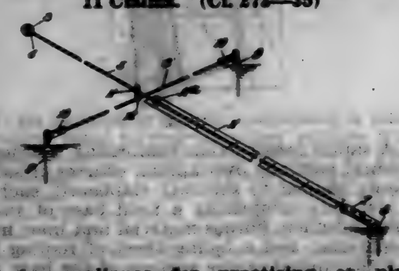
2,032,680
APPARATUS FOR VENTILATING BUILDINGS
Henry M. Chance, Philadelphia, Pa.
Continuation of application Serial No. 713,473, March 2, 1934. This application December 28, 1934, Serial No. 759,585
1 Claim. (Cl. 98—34)

1. The combination with a building having a basement and upper rooms to be ventilated, of apparatus for effecting ventilation comprising a cooling chamber disposed exteriorly of the building and at a height above said basement, means within said chamber for cooling air therein by contact, said chamber having an inlet opening through which external air may be admitted thereto, and having an outlet opening through which cooled air may be discharged, a conduit connecting the outlet opening and the basement of the building for discharging cooled air into the basement for storage, and a conduit connecting



the basement with the upper rooms of the building to be ventilated, said last named conduit opening into the basement at the lower portion thereof and apart from the point at which the conduit from the cooling chamber discharges into the basement, the elevated position of said cooling chamber forcing cooled air into the basement by gravitational action and thence upwardly into the rooms.

2,032,681
APPLIANCE FOR USE IN PRACTICING OR PLAYING GAMES
Harry Cuthbert Deane, Hendon, London, and James Henry Naden, Hampstead, London, England
Application May 12, 1933, Serial No. 670,646
In Great Britain April 1, 1933
11 Claims. (Cl. 273—35)

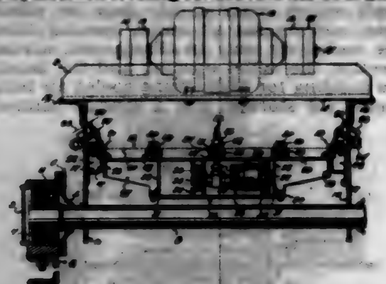


1. An appliance for practicing or playing games comprising a ball attached to one end of a length of cord, the other end of which is provided with means for anchoring it to a fixed point, a length of rubber connected to and arranged transversely to the said cord and intermediate the ends thereof and means for anchoring the ends of the said length of rubber.

2,032,682
VIBRATORY SCREEN
Emil E. Deister and Irwin F. Deister, Fort Wayne, Ind., assignors to Deister Machine Company, Fort Wayne, Ind.
Application February 16, 1933, Serial No. 657,062
11 Claims. (Cl. 209—332)

1. In a vibrating screen including a vibratory frame and a screening medium carried thereby, a striker carried by said vibratory frame and receiving its impetus from the vibratory action of said frame for imparting tapping action to said screening medium, said striker being weighted adjacent one of its ends and provided with a striker surface adjacent its opposite end, and blocks carried by said frame and formed of re-

silient material for supporting the ends of said striker, and controlling its movement in a definite



path relative to the path of movement of said screening medium.

2,032,063
BUILDING MATERIAL
William G. Dudleston, Chicago Heights, Ill., assignor to The Patent and Licensing Corporation, Boston, Mass., a corporation of Massachusetts
Application December 12, 1931, Serial No. 580,847
7 Claims. (Cl. 20—5)



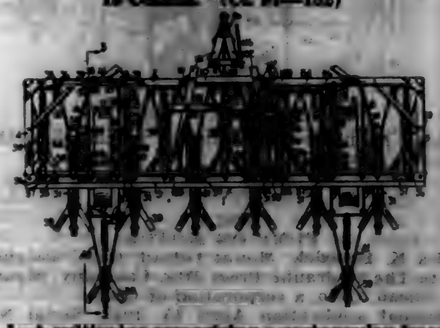
1. A siding construction comprising a series of horizontal partially overlapping courses of siding elements shaped to simulate clapboard, each of said elements comprising a rigid base of intermingled bitumen, fibrous material and inert mineral material, and a facing sheet of roofing felt adhesively united to one surface of the base and folded around and enveloping the lower edge of said base.

2,032,064
BRUSH ASSEMBLY
Irvie H. Dunham, Racine, Wis., assignor to Electric Motor Corporation, Racine, Wis., a corporation of Wisconsin
Application December 24, 1934, Serial No. 759,884
4 Claims. (Cl. 172—324)



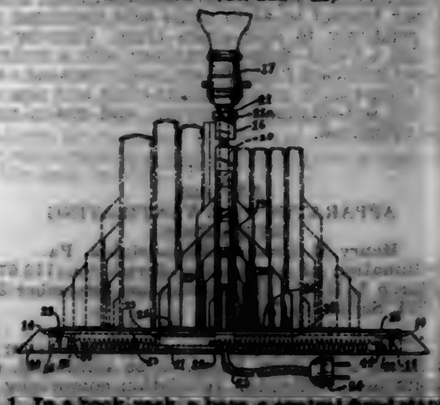
1. In an electric motor, a casing, and a brush assembly therefor including a brush holder, the casing having an opening in alinement with the holder, a cap of insulation adjustably threaded in the opening and movable toward and away from the holder, an expansion spring having its opposite ends fitted within the holder and the cap, and a contact clip carried by the cap and receiving the spring having resilient legs movable into intimate contact with the sides of the holder by said cap.

2,032,065
CULTIVATOR
Theodore J. Erdmann, Horicon, Wis., assignor to The Van Brunt Manufacturing Company, Horicon, Wis., a corporation of Wisconsin
Application March 24, 1934, Serial No. 717,145
12 Claims. (Cl. 97—152)



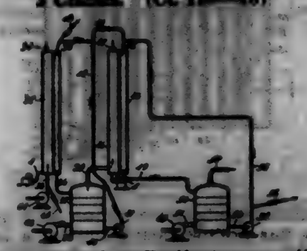
1. A cultivator comprising a rectangular frame, including transversely extending front and rear frame members and generally longitudinally disposed end members connecting said transverse members, generally forwardly extending members connected at their rear ends to said rear frame member, generally rearwardly extending members connected at their forward ends to said front frame member, said forwardly and rearwardly extending members being disposed at an angle to the plane of said end members, ground engaging supporting means for said frame connected with the adjacent ends of said generally forwardly and rearwardly extending members, and a plurality of cultivator rigs disposed laterally inwardly and outwardly of said ground engaging supporting means and arranged in the same general plane as said rearwardly extending members.

2,032,066
COMBINATION LAMP STAND AND BOOK-RACK
John P. Golden and Joseph F. O'Neil, Waterbury, Conn.
Application October 30, 1934, Serial No. 750,661
9 Claims. (Cl. 211—43)



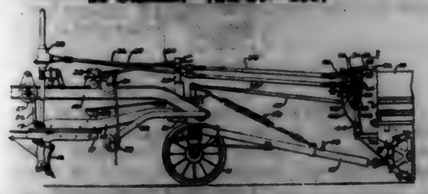
1. In a book-rack, a base, a central fixed standard, a pair of plates slidable on said base on opposite sides of said standard, a pair of book-ends being mounted on said plates, and means connected to both ends of said base for normally urging said book-ends inwardly toward said standard.

2,032,067
MEANS FOR EVAPORATION
Hans Elis Abraham Odén, Stockholm, Sweden, assignor to Infrotherminka Aktiebolaget, Stockholm, Sweden, a joint-stock company of Sweden
Application February 4, 1931, Serial No. 513,240. Renewed July 25, 1935. In Sweden February 6, 1930
2 Claims. (Cl. 159—18)



1. An apparatus for effecting evaporation without substantial difference in pressure between the interior and the exterior thereof including in combination, a plurality of heating and evaporating chambers arranged in pairs, each heating chamber having a heat transmitting wall, means flowing said liquid to be evaporated over each heat transmitting wall in indirect heat interchanging relation with a heating medium within said chamber, means delivering heated liquid from each heating chamber to the evaporating chamber of the pair, means passing a gas which is non-condensing under the conditions of operation in direct heat interchanging relation with the heated liquid in each evaporating chamber to remove heat and vapor therefrom by contact therewith, means conducting the gas-vapor mixture from an evaporating chamber of one pair through a heating chamber of another pair to provide the heating medium within the latter, and means for circulating said liquid through said heating and evaporating chambers.

2,032,068
ROAD MACHINE
Carl A. Gustafson, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application December 7, 1932, Serial No. 646,847
12 Claims. (Cl. 37—163)



1. In a road machine, a frame, an earth-engaging tool adjustably mounted on said frame, adjusting mechanisms for said tool, and selective control means for said adjusting mechanisms comprising a housing, a sleeve mounted in aligned bosses in said housing and extending therethrough, a gear fixed on said sleeve, a shaft mounted in a second pair of aligned bosses in said housing and extending therethrough oppositely to said sleeve, a second gear fixed on said shaft and meshing with said first gear, a second shaft journaled in said sleeve and extending therethrough at both ends, connections from the adjacent ends of said shafts to said adjusting mechanisms, a clutch disk mounted on the extending end of said sleeve and having a notched outer periphery, a second clutch disk mounted on said second shaft adjacent the extending end of said sleeve and having a notched outer periphery, a crank rotatably mounted on the extending end of said second shaft adjacent said second disk, a pin slidably and non-rotatably mounted in an apertured boss formed in an end of said crank, said pin being located radially of said crank so that the center line thereof is aligned substantially with the peripheries of said disks and having a notch formed therein adapted to be aligned with one of said disks to permit relative movement thereof with respect to said pin, an adjacent portion of said pin being positioned in a peripheral notch of the other of said disks to establish a driving engagement therebetween, and a spring-pressed ball mounted in said crank and adapted to engage said pin to maintain it resiliently in adjusted position.

2,032,069
EXPANSIBLE ANCHOR
Charles E. Handel, Winterset, Iowa, assignor to Wej-Lock Manufacturing Company, Winterset, Iowa, a corporation of Iowa
Application January 9, 1932, Serial No. 585,965
2 Claims. (Cl. 189—92)



3. An expansible anchor comprising a circular spreader plate having its upper surface formed substantially spherical and provided with a series of annular and concentrically arranged steps, an anchor rod through said plate, a head member slidably mounted on said rod, a series of anchor blades having their upper ends pivoted to said head and their lower ends resting against the periphery of said plate when folded, the inner surfaces of said blades being provided with closely arranged teeth to co-act with said steps when moved to any one of a number of expanded positions to lock the blades against folding when strain is applied to said rod.

2,032,070
CURTAIN STRETCHER
Samuel Hamburger, Newark, N. J., assignor of two-fifths to Sol L. Kemelman, Newark, N. J.
Application March 2, 1934, Serial No. 714,593
7 Claims. (Cl. 45—24)



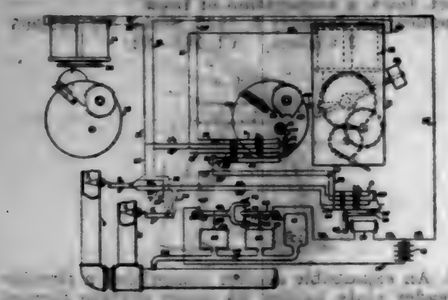
1. A curtain holder comprising two fixed parallel rails for holding the opposite ends of a cur-

tain, rails extending from aforesaid rails for holding the opposite sides of the curtain, and means for securing the last mentioned rails in oblique position relative to said first mentioned rails.

1,922,691
PLASTICIZED COMPOSITION
Harold S. Holt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 21, 1926, Serial No. 123,246. In Canada September 13, 1923
9 Claims. (Cl. 106—79)

1. A composition comprising a cellulose derivative and, as a plasticizer therefor, an ester of diethylene glycol wherein both of the hydroxyl groups are esterified by a saturated fatty acid from the group consisting of propionic and butyric acids.

1,922,698
WATERFLOW RETARD ALARM
Clarence C. Johnson, New York, N. Y., Richard M. Hopkins, Rutherford, N. J., and Richard F. Spamer, Lynbrook, N. Y., assignors to American District Telegraph Company, New York, N. Y., a corporation of New Jersey
Application February 24, 1932, Serial No. 594,788
22 Claims. (Cl. 171—252)



1. In combination, a conduit; an alarm; means operated by flow in the conduit to operate the alarm; a surge pipe communicating with the conduit and provided with a substantially closed outer end and an intermediate constriction; closed bellows communicating with said pipe on both sides respectively of the constriction; a pair of electrically conducting levers mechanically connected to the active portions of the bellows respectively and adapted to contact each other when either one of the bellows expands more than the other; and an electro-magnetic means actuated by such contact to disable the alarm.

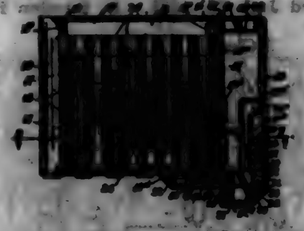
1,922,693
MONOAZO DYES AND METHODS FOR THEIR PREPARATION
Henry Jordan and Miles Augustinus Dahlen, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 30, 1932, Serial No. 608,554
8 Claims. (Cl. 8—5)

1. The process of producing a monoazo dye on a cellulose ester which comprises treating a cellulose ester with a base of the following general formula:



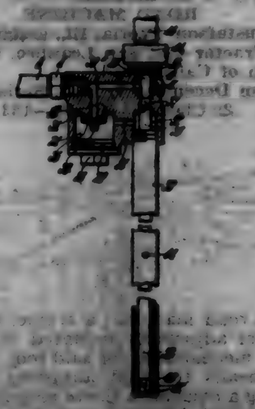
in which R_1 is a radical of the benzene series not containing a free salfo or carboxy group, X is CO or SO_2, and R_2 and R_3 are hydrogen or alkyl groups; diazotizing the treated material and developing with a developer solution.

1,922,694
COMBINED CIGARETTE LIGHTER AND CASE
Frank Le Vool, New York, N. Y.
Application August 24, 1931, Serial No. 558,264
12 Claims. (Cl. 206—41.6)



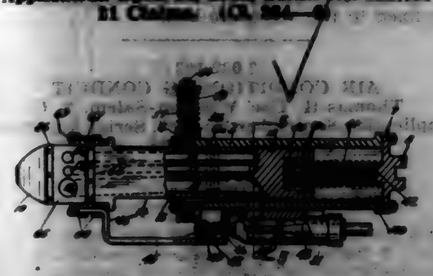
1. A combined cigarette lighter and case, comprising a flat hollow casing having a large cigarette holding compartment, a small lighter compartment for one cigarette to be lighted, a small door for closing said lighter compartment, a conveyer in said cigarette holding compartment for holding cigarettes and conveying one cigarette at a time into said lighter compartment, an abrasive wheel extending into the lighter compartment for engaging against the cigarette therein to cause lighting of this cigarette, spring means for operating said abrasive wheel, means for releasably holding said small door closed, means for releasing said small door, a depressible button for setting said spring means into operation, means for operating said conveyor operable upon closing of said small door, and means for winding said spring means operable upon closing said small door.

1,922,695
APPARATUS FOR DISPENSING LIQUIDS
Eugene A. O'Leary, Holyoke, Mass.
Application April 8, 1932, Serial No. 604,525
3 Claims. (Cl. 226—3)



1. An apparatus for dispensing beverages comprising in combination, a body provided with an inlet and an outlet and having a chamber, a hollow outer tube member connected to said body for inserting in a container, separate passageways being provided between said chamber and said inlet and between said chamber and said outer tube member, an inner tube within said outer tube member, and a valve rotatable in said body, said valve being provided with passageways which are in communication with one another and arranged whereby the valve may be positioned to alternately provide communication between said inner tube and said outlet and between said inlet and said outlet.

1,922,696
TRAIN PIPE COUPLING
Herman P. Potsnick, Davenport, Iowa
Application April 26, 1924, Serial No. 708,836
21 Claims. (Cl. 284—6)



8. In a train-line coupler, a cylinder having a pair of heads, said cylinder having openings through its lateral wall, arranged peripherally thereof, one head having an opening therethrough, a piston within and sliding within the cylinder and having a shank extending through the opening in said head and being constructed to prevent turning in said opening, said shank having longitudinal openings therein whose ends extend laterally to the surface of the piston and to one face of the shank, the openings to the face of the piston being arranged to register with and cooperate with the openings through the cylinder wall.

15. In a train pipe coupling comprising a pair of members movable relative to each other and including a fluid passage and means for controlling the flow of fluid therethrough, a valve associated with said control means adapted to close the passage and to restrict fluid from initially flowing in full volume from a charged train pipe into an empty one and causing application of the brakes, a safety valve associated with said valve and adapted to bleed the train line for applying the brakes when the head is accidentally uncoupled, and means for manually opening and closing said safety valve.

1,922,697
WATERPROOFING LEATHER
Henry Alfred Pigrett and George Stuart James White, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, Westminster, England
No Drawing. Application May 6, 1924, Serial No. 724,626. In Great Britain May 13, 1923
3 Claims. (Cl. 149—4)

1. A process of waterproofing vegetable tanned leather which comprises superficially applying an aqueous solution of a salt chosen from the group consisting of quaternary ammonium salts, quaternary phosphonium salts, and sulphonium salts containing an aliphatic chain of not less than ten carbon atoms to a surface of said leather.

1,922,698
LONG STOCK FABRICATING MACHINE
Joseph H. Roberts, Waterbury, Conn., assignor to The F. B. Shaster Company, New Haven, Conn., a corporation of Connecticut
Application February 13, 1931, Serial No. 515,199
43 Claims. (Cl. 164—42)



1. In a machine for shearing long relatively narrow stock, the combination with continuously rotated rolls feeding such stock horizontally lengthwise, of two shearing tools and carriers therefor, one of said tools being reciprocable in line with the stock-feed and the other tool being revolvable anti-clockwise about a center above said stock-line and in a plane including said line, and downwardly crossing said line for shearing, said center of revolution having a location relative to the stock-line which causes shearing by said tools at about seven-thirty of the anti-clockwise revolution of the revolvable tool and said revolution having a radius short relative to the length of sheared stock sub-lengths; crank-pin mechanism also located above the line of stock-feed and revolvable about said center of revolution of said revolvable tool-carrier and connected directly to the latter for revolution thereof; said crank-pin mechanism being normally stationary in a position holding said revolvable shearing-tool in a position of rest above its said shearing positions at about seven-thirty and in the path of downward movement of said revolvable tool toward the stock; guide-means movable horizontally with said reciprocable tool and in movable engagement with the revolvable tool causing operation of the reciprocable tool by the revolution of the revolvable tool; a clutch of which the driven member is connected with said normally stationary crank-pin mechanism for intermittent operation thereof; an adjustable target operated by the feeding stock and controlling the operation of said clutch causing starting of both the revolution of said revolvable carrier downwardly toward the feeding stock and of the horizontal movement of the reciprocable carrier forwardly with the feeding-stock by means of said revolution; driving connections respectively for said feed rolls and the driving member of said clutch, said driving connections being coordinated for substantially like rates of horizontal movement of both the stock and the tool-carriers at their shearing positions at about seven-thirty of the anti-clockwise revolution of the revolvable tool-carrier; and a fly-wheel continuously rotated with the driving member of the clutch and rapidly accelerating the rate of revolution of said revolvable tool-carrier during the short arc of its movement after the start of revolution of the crank-pin mechanism by the clutch and the commencement of shearing by the cooperating shearing tools.

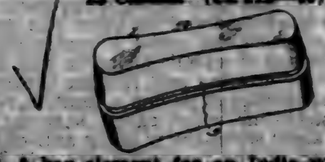
1,922,699
FASTENER AND ART OF PRODUCING SAME
Heyman Rosenberg, New York, N. Y.
Application March 3, 1932, Serial No. 596,637
8 Claims. (Cl. 16—161)

1. The art of producing a metal fastener comprising forming a fastener with a head having a

rabbet extending about its periphery and applying a soft metal cushion to the fastener including the rabbet and rendering the material of the cushion commingled with the material head of the fastener including that forming the rabbet.

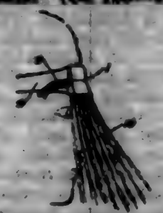


2,032,100
INDIA RUBBER SPRING
Alexander Spencer, Westminster, London, England
Application November 17, 1934, Serial No. 753,540
In Great Britain October 29, 1931
23 Claims. (Cl. 213—40)



2. A bar element for an India-rubber spring comprising a solid bar of India-rubber of uniform depth in the direction of compression having flat compression surfaces and having its major axis between said surfaces and parallel thereto with the portion at each end of said axis of greater transverse dimension than its centre portion such that under a predetermined compression the side walls of the element become substantially parallel or equidistant from each other throughout their length.

2,032,101
FUME AND DUST ELIMINATOR
William D. Sullivan, West New York, N. J.
Application February 26, 1935, Serial No. 7,371
1 Claim. (Cl. 128—145)



A relatively small flat shield adapted to be placed over the forehead directly above the eyebrows having a continuous chamber therein with perforations extending through the lower edge of the device and communicating with the chamber characterized in that the lower portion of the device is of a triangular shape and the chamber therein is inclined outward toward the lower end with the perforations also inclined and adapted to eject the air in an outward and downward direction, and a connection at one end of the device adapted to extend therefrom to a means for supplying air under pressure.

2,032,102
ATTACHMENT FOR ARTIFICIAL TEETH
Junzo Taguchi, Yotsuya-ku, Tokyo-shi, Japan
Application November 1, 1935, Serial No. 47,042
In Japan November 10, 1934
1 Claim. (Cl. 32—5)

An attachment device for artificial teeth comprising a gripping metal member to be fixed to the vulcanite-bed of the artificial teeth, having one end adapted to clasp a pier tooth in the bridge work of the back side and a finger piece forming a clip in connection with the said one end of the gripping member, another gripping metal member rotatably mounted on the first mentioned gripping member, having a front limb adapted to



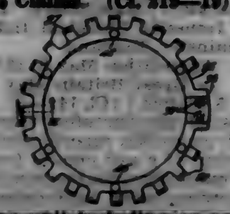
clasp the pier tooth at the front side, a rear limb adapted to be clipped between the said one end and finger piece of the first mentioned gripping member, a projecting lug adapted to engage with the pier tooth at the undercut of its crown and a leg movably mounted thereon and adapted to be fixed to the vulcanite-bed.

2,032,103
AIR CONDITIONING CONDUIT
Thomas H. Tise, Winston-Salem, N. C.
Application September 25, 1931, Serial No. 565,911
20 Claims. (Cl. 138—53)



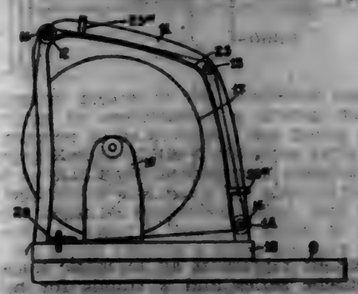
1. A conduit for air conditioning apparatus comprising a tube having opposed side walls, and flexible, foldable walls joining said side walls, said flexible, foldable walls being initially folded upon themselves to bring the opposed side walls into closely spaced relationship, said tube adapted to be expanded to conduit-forming condition, the width of said tube when folded being no greater than when expanded.

2,032,104
WAFFLE IRON HEATER
Harold F. Umstett, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 23, 1933, Serial No. 690,690
5 Claims. (Cl. 219—19)



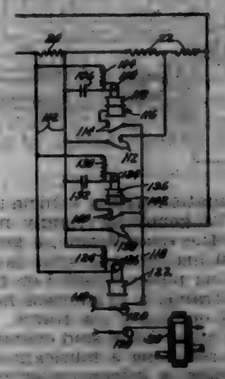
1. A heating unit including an annulus of refractory electric-insulating material having a plurality of spaced, staggered and alternately oppositely-bent radial projections on one peripheral surface and a resistor element extending between the opposite heat projections adjacent said peripheral surface of the annulus.

2,032,105
DISPLAY AND DISPENSING DEVICE FOR RIBBONS AND THE LIKE
Edgar F. Welch, Columbus, Ohio
Application February 25, 1935, Serial No. 7,997
4 Claims. (Cl. 242—55.3)



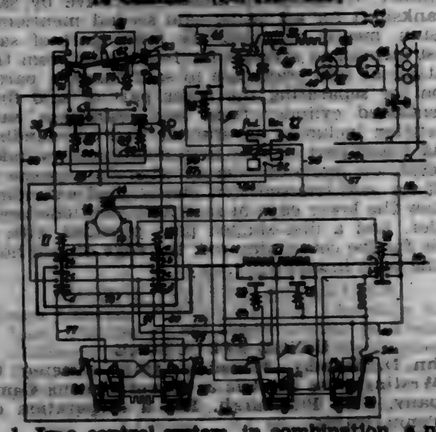
2. A displaying and dispensing device for a roll of ribbon-like material including a frame having a front side for displaying the ribbon-like material and a rear side opposite said displaying side, and from which rear side the ribbon-like material is dispensed, means within said frame for rotatably supporting a roll of said material, and means within said frame for guiding the free end portion of said roll of material from the rear side of said frame across the display side of said frame and thence to said dispensing side of said frame.

2,032,106
CONTROL CIRCUIT FOR ELECTRIC BRAKES
George W. Baughman, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 15, 1933, Serial No. 702,536
12 Claims. (Cl. 303—3)



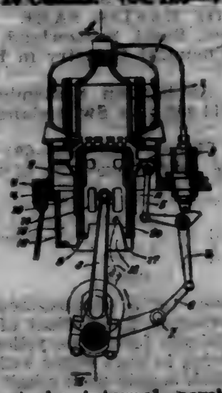
1. In a vehicle brake apparatus, the combination with a brake cylinder and an electro-dynamic brake, of means for supplying fluid under pressure to said brake cylinder, tuned frequency circuits including sequentially operable relays for controlling said brake, and means preventing fluid under pressure from being supplied to said brake cylinder until said relays have operated.

2,032,107
MOTOR CONTROL SYSTEM
Russell M. Bayle, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application March 24, 1933, Serial No. 661,807
14 Claims. (Cl. 172—239)



1. In a control system, in combination, a plurality of motor-operated work devices, a source of power, a traveling crane associated with the work devices, a plurality of reversing switches for connecting the motor-operated work devices to the power source, means operable independently of the motor and including a light-responsive device for controlling the operation of the reversing switches, said means being disposed to effect a reversal of the motor-operated work device in response to successive operations of the light-responsive device regardless of the position of the work device, and a light source energizable at the will of an operator and carried by the crane for effecting the operation of the light-responsive device, thereby to provide for effecting predetermined operations of the work device without the use of physical electrical connections between the crane and the work devices.

2,032,108
TWO-STROKE ENGINE
Auguste Louis René Bernard, deceased, late of Rueil-Malmaison, France, by Renée Bernard, née Bournenville, executrix, Paris, France
Application January 25, 1935, Serial No. 1,528
In Belgium February 9, 1934
10 Claims. (Cl. 123—71)



1. A two-stroke internal combustion engine which comprises, in combination, at least one

cylinder, a piston in said cylinder, a crankshaft, a connecting rod between said crankshaft and said piston, a crankcase, a pump having an annular cylinder and an annular piston surrounding said first mentioned cylinder, for feeding air to the combustion chamber of the first mentioned cylinder, transmission means operative by said crankshaft for actuating said second mentioned piston, means including the lower part of said first mentioned cylinder for feeding air from the outside of said crankcase to said pump, a partition for separating the lower part of said first mentioned cylinder from said crankcase, said partition including an annular wall surrounding said lower part of the first mentioned cylinder except, on one side thereof where a passage is left for said transmission means, and extending below the lower edge of said first mentioned cylinder, and a disc-shaped part provided with a hole for the connecting rod, the edge of said hole being bent inwardly.

2,032,109

HINGE STRUCTURE

John D. Belusky, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 27, 1926, Serial No. 743,383

8 Claims. (Cl. 53—5)



1. A cooking appliance comprising, in combination, a lower casing and an upper casing, hinge brackets on the respective casings, and a substantially flat link connecting the two brackets and having an opening therein adjacent the upper end materially larger than a portion of the upper hinge bracket received therein to permit a loose turning movement thereof in the opening.

2,032,110

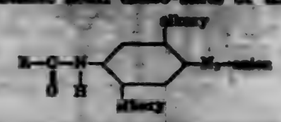
STABLE SOLID DIAZO-SALTS AND PROCESS OF MAKING SAME

Gérald Benhôte, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application September 14, 1934, Serial No. 744,082. In Switzerland September 25, 1933

11 Claims. (Cl. 260—69)

4. The stable solid diazo-salts of the formula



wherein R stands for a phenoxymethyl radical, and anion represents the radical of a mineral acid, which products form pale yellow to yellow powders, dissolving in pure water with formation of solutions which couple with alkali metal salts of arylides of 2,3-hydroxy-naphthoic acid with formation of dyestuffs.

2,032,111

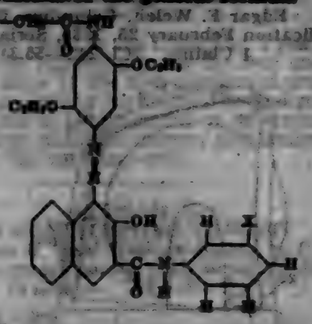
BLUE DYEING ANTHRAQUINONE

Gérald Benhôte, Basel, and Carl Amsler, Riehen, near Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application March 13, 1935, Serial No. 10,900. In Switzerland April 14, 1934

6 Claims. (Cl. 260—369)

1. The dyestuffs of the general formula



in which R₁ represents an aromatic nucleus of the benzene series and X stands for halogen, alkyl or alkoxy, which products are dark blue powders insoluble in water but dissolving in pyridine to violet solutions, and in sulfuric acid to blue solutions, and dye the cotton fiber fast blue tints.

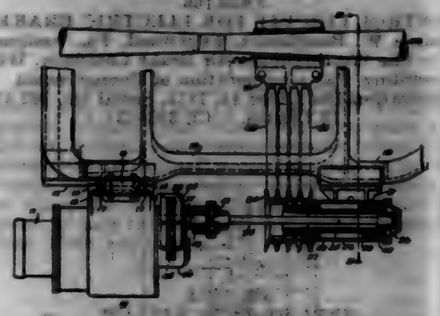
2,032,112

AXLE GENERATOR DRIVE

Winston A. Brucht, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 29, 1934, Serial No. 717,983

6 Claims. (Cl. 105—136)



1. The combination with a vehicle truck and a wheel axle, of a generator rigidly mounted on the exterior of the truck frame, a gear unit enclosed in a housing integral with the generator housing, a driving pulley secured on the axle inside the truck frame, a cylindrical housing pivotally mounted on the truck frame, a countershaft rotatably mounted in said cylindrical housing, means for retaining a lubricant within said cylindrical housing, a driven pulley mounted on the countershaft between the generator and the cylindrical housing, belt means for connecting the pulleys, spring means for maintaining the proper belt tension, a torque shaft for connecting the driven pulley to the gear unit to drive the generator, and a flexible coupling disposed at each end of the torque shaft to permit limited movement between the pulley and the gear unit.

2,032,113

CONTROL MECHANISM

Max E. Brandel, Chicago, Ill., assignor to Standard Asbestos Company, Chicago, Ill., a corporation of Illinois

Application October 5, 1932, Serial No. 636,282

6 Claims. (Cl. 172—239)



1. Control means of the character described comprising in combination a driving motor, a limit member to be moved by the motor on approaching limit position, a reversing switch controlled by said limit member and adapted to reverse said motor and cause the same to return a distance inside its extreme position, said reversing switch having a contact which is opened when the motor returns a short distance to stop said motor, and a pair of contacts operated by said limit member which are left closed when the motor comes to rest to maintain a circuit adapted to actuate the motor in the opposite direction only when power is applied to the motor.

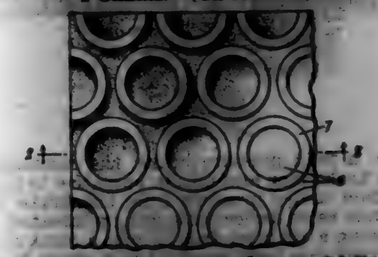
2,032,114

CARPET CUSHION

Arthur L. Clements and Walter H. Gilmer, Chicago, Ill., assignors to American Hair & Felt Company, Chicago, Ill., a corporation of Delaware

Application November 17, 1931, Serial No. 575,450

4 Claims. (Cl. 154—54)



1. A carpet cushion having layers of felted felt-able fibres, one side of said cushion having a surface formed by curved ribs and depressions.

2,032,115

CIRCUIT BREAKER

Harold E. Cobb, Montgomery, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 8, 1934, Serial No. 715,668

3 Claims. (Cl. 200—116)

1. A thermal responsive switch comprising, in combination, cooperating contacts, a movable contact carrying member supporting one of said contacts and adapted to effect engagement and disengagement of said contacts, a movable pivotal support for said contact carrying member, an operating member for effecting movement of the contact carrying member in one direction, a spring for effecting movement of the contact carrying member in the other direction, a latch portion on one of said members, and a thermostatic member for latchingly engaging said latch portion to hold the contact carrying member in the position to which it is operated by the operating



member, said operating member effecting movement of said movable pivotal support to effect manual disengagement of the latching portion from the thermostatic member.

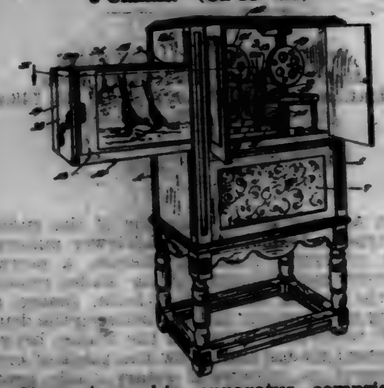
2,032,116

MOTION PICTURE APPARATUS

Frank Conrad, Wilkinsburg, and Christian Aalberg, Pittsburgh, Pa., and Orville E. French, Collingswood, N. J., assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania

Application May 14, 1930, Serial No. 452,252

8 Claims. (Cl. 88—24)



1. Cinematographic apparatus comprising a cabinet structure having a chamber therein, a mechanism, including means for advancing a film strip having a picture record photographed thereon and means for projecting an image of said picture record, disposed in said chamber in such manner as to substantially fill the available space in said chamber and in a position such that said image is projected in a horizontal direction, said chamber having an opening in a vertical wall thereof, a rigid framework having a translucent screen as a vertical wall thereof normally disposed entirely within said above-mentioned chamber adjacent to said mechanism, means for shifting said framework horizontally through said opening to a position such that said screen is entirely outside of said chamber and means for projecting said image onto said screen when it is in the shifted position.

2,032,117

RADIO VOLUME CONTROL

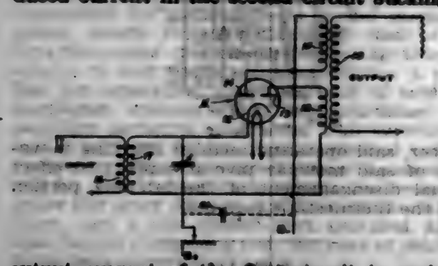
George Corbett, Tampa, Fla.

Application December 12, 1933, Serial No. 702,535

1 Claim. (Cl. 250—20)

A radio receiving system having a plurality of amplifying stages; a two plate rectifier; a circuit including one plate of said rectifier interposed be-

tween the output of one of said stages and the input of the next succeeding stage to transmit signal energies from said output to said input; and a second circuit including the other plate of said rectifier and operable only by signal energies in excess of a predetermined maximum, the induced current in the second circuit bucking the



output current of the first circuit to maintain constant the volume of signal energies transmitted from the output of the first named stage to the input of the next succeeding stage, said means for varying the potential of the cathode of said rectifier relative to said other plate to secure any potential difference equal to the strength of signal desired.

2,032,118

BREAD SLICING MACHINE

Harry J. Crimar, Davenport, Iowa

Application October 19, 1934, Serial No. 748,011

11 Claims. (Cl. 146—88)



2. In a bread slicing machine of the endless-band type, a frame, upper and lower pulleys or drums revolvably mounted therein, a plurality of narrow endless-band cutting blades mounted upon the drums in figure 8 form, spaced and crossing substantially midway between the drums, a shaft removably united to the frame, between the crossed blades and below the point of crossing thereof, a cylindrical rotary guide revolvably mounted upon the shaft and having a plurality of deep grooves in the periphery thereof equal in number to double the number of band blades, and the alternate grooves being adapted to contact the cutting blades at the front and rear thereof respectively, and means to drive the pulleys in opposite directions.

2,032,119

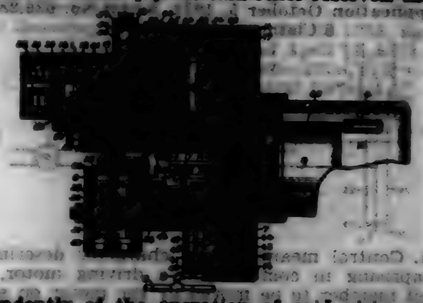
FLUID PRESSURE BRAKE

Clyde C. Farmer, Pittsburgh, and Ellis E. Hewitt, Edgewood, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application May 8, 1931, Serial No. 535,956

15 Claims. (Cl. 303—39)

1. In a fluid pressure brake equipment, the combination with a brake pipe, a brake cylinder, an auxiliary reservoir and another reservoir, of valve means, a piston operated upon an increase in brake pipe pressure to establish a communication through which fluid under pressure flows from the brake pipe to the auxiliary reservoir and to actuate said valve means to connect the brake cylinder to the atmosphere and to establish communication through which fluid under pressure is adapted to flow from the auxiliary reservoir to said other reservoir at one time and through which fluid under pressure is adapted to flow from said other reservoir to the auxiliary reservoir at another time, a communication through which fluid under pressure is adapted to flow from the brake pipe to said other reservoir inde-



pendently of the operation of said piston and valve means, and means interposed in the last mentioned communication preventing back flow of fluid under pressure from said other reservoir to the brake pipe.

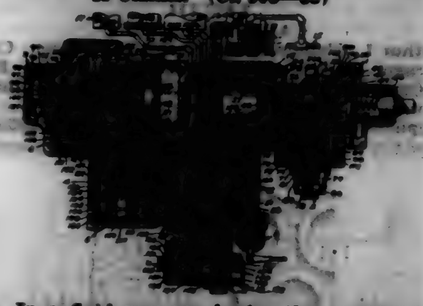
2,032,120

FLUID PRESSURE BRAKE

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application December 24, 1931, Serial No. 582,985

42 Claims. (Cl. 303—35)



1. In a fluid pressure brake, the combination with a brake pipe and means operative to locally vent fluid under pressure from the brake pipe, of a triple valve device comprising a salvaged casing having a chamber from which a quick action mechanism has been removed and which is open at one end, an annular gasket in said chamber carried by said casing, said gasket having a beveled inner surface, a member in said chamber having a beveled surface adapted to engage the beveled surface of said gasket to form an air-tight seal between said casing and member, and a cap secured to said casing clamping said member in engagement with said gasket and closing the open end of said chamber, said casing, member and cap defining a passage through which fluid under pressure vented from the brake pipe is adapted to flow.

2,032,121

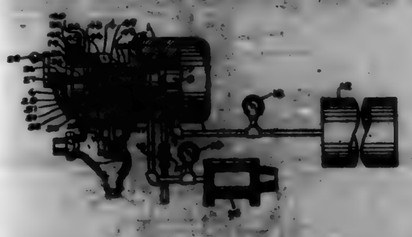
VALVE TESTING DEVICE

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application May 6, 1933, Serial No. 669,765

11 Claims. (Cl. 73—81)

1. A testing device for testing a valve device having valve means and a piston responsive to differences in the pressure of fluid on opposite sides thereof for actuating said valve means, the testing device comprising a base member adapted to be removably attached to said valve device, and an operating stem having screw-threaded engagement with said base member and adapted to engage said piston, said stem being movable back and forth in the direction of its length to vary the position of said piston and valve means.



2. In a testing device for testing a valve device having valve means and a piston for actuating said valve means, a base member adapted to be removably attached to said valve device, an operating stem movably mounted in said base member and adapted to control the operation of said piston, a thrust member carried by said movably mounted member and adapted to engage said piston, and a roller bearing interposed between the thrust member and the movably mounted member.

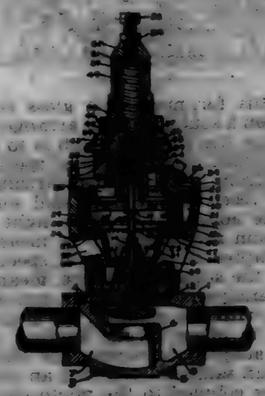
2,032,122

COMPRESSOR GOVERNOR CONSTRUCTION

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application August 2, 1933, Serial No. 683,237

4 Claims. (Cl. 137—153)



1. In a steam pump governor, the combination with a cylinder casing, a bushing mounted in said casing adapted to receive a piston and having one end spaced from said casing, and a barrier plate mounted in said casing and having a flange disposed in the space between the end of the bushing and the casing, and resilient fingers formed in said flange and engaged by the end of the bushing to yieldingly maintain said plate in position with a substantial portion thereof in spaced relation to the end of said bushing.

2,032,123

PROCESS OF CONVERTING A FIBROUS MATERIAL

Richard Freudenberg, Hans Freudenberg, Roland Runkel, and Gustav Lange, Weinheim, Germany, assignors to Carl Freudenberg G. m. b. H., Weinheim (Badenia), Germany, a German company

No Drawing. Application August 31, 1934, Serial No. 742,251. In Germany September 5, 1933

7 Claims. (Cl. 92—9)

1. A process of converting a fibrous material, obtained from a skin substance and containing water, into stable transportable fibres, comprising treating the fibrous material with at least one organic liquid miscible with water so that said fibrous material is at least to a large extent freed from water, and directly thereafter drying said fibrous material.

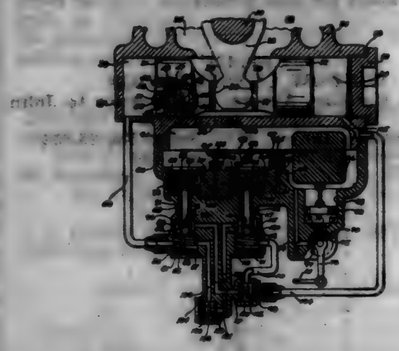
2,032,124

SHOCK ABSORBER

Frederick D. Furniss, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 13, 1934, Serial No. 740,343

15 Claims. (Cl. 188—88)



1. A hydraulic shock absorber comprising, in combination, a casing providing a fluid displacement chamber; fluid pressure actuated means for controlling the flow of fluid from said chamber; inertia mass controlled means for regulating fluid flow to vary the controlling effect of the aforementioned means; and manually adjustable means for varying the effect of the inertia mass controlled means.

2,032,125

ELECTRIC WATER HEATER

Mabel S. Castle, Detroit, Mich.

Application September 15, 1934, Serial No. 744,189

4 Claims. (Cl. 219—38)

1. In an electric water heater, a tank, a tube extending upwardly from the bottom of the tank and terminating near the center of the tank, an electric heating element mounted in the tube, a cap on the tube above the heating element, a second tube of smaller diameter than the first tube supported on the cap and communicating with the interior of the first tube, a tubular housing positioned about the second tube and supported on the cap, a bracket in the top of the tank, the upper end of the second tube being supported in the bracket and the tubular housing terminating beneath the bracket and being connected to the second tube beneath the bracket, a discharge pipe opening from the top of the tank, a discharge

valve rotatably mounted in the top of the second tube within the bracket, a stem on the valve extending through the top of the tank, an insulating housing and cover about the tank, the valve



stem extending through the insulating cover and a handle connected to the upper end of the valve stem above the insulating cover, the insulating cover being provided with open and closed position markings for said handle.

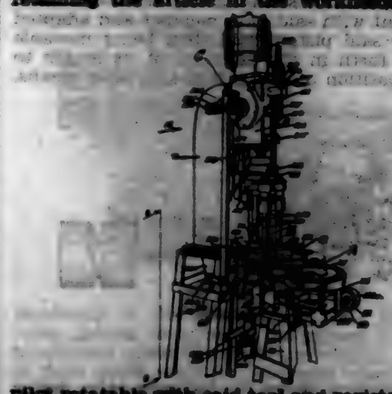
2,032,126
WINDOW CONSTRUCTION
Oscar R. Hankins, Aurora, Ill., assignor to John W. Dwyer, Aurora, Ill.
Application June 6, 1935, Serial No. 25,674
7 Claims. (Cl. 189—69)



1. A window construction comprising: a frame comprising inwardly directed top and side flanges and rearwardly directed side flanges; and a sash having an outwardly directed perimetral flange adapted to fit snugly within said frame; and bear against said inwardly directed frame flanges, said rearwardly directed side flanges being unobstructed except for a pair of inwardly directed studs fixedly mounted thereon to engage the sash flanges and partially support the sash when tilted to open position.

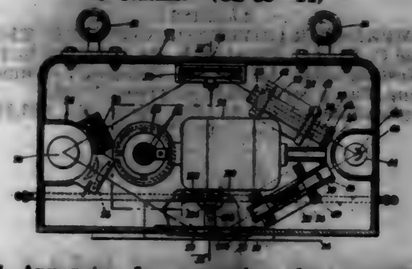
2,032,127
TRIMMING APPARATUS
John Q. Holmes, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 2, 1932, Serial No. 645,362
17 Claims. (Cl. 29—4)

1. Apparatus for trimming flash from articles having a recess concentrically of the flash comprising, in combination, a workholder for nonrotatably supporting an article; a rotating tool for trimming flash from the article; spring urged means carried by said tool for retaining the article in the workholder and for properly aligning the article with the tool, said means including a member which is not rotated when engaging and retaining the article in the workholders and a



pilot rotatable with said tool and registering with the recess of the article; and means for causing relative bodily movement between the tool and the article for the performance of a trimming operation.

2,032,128
MEANS FOR THE MEASURING OF GLOSS
Walter Reginald Hornfield, London, England
Application May 22, 1933, Serial No. 22,963
In Great Britain May 22, 1934
3 Claims. (Cl. 88—14)

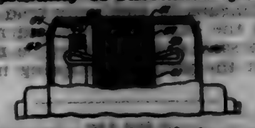


1. Apparatus for measuring gloss comprising in combination a source of light arranged to shine upon a surface the gloss of which is to be measured, said surface polarising light specularly reflected therefrom, a standard polarising surface arranged to receive light from said source, two analysers one adapted to receive light reflected specularly from the surface to be measured and the other adapted to receive light specularly reflected from the standard surface, means for rotating both analysers about their optical axes in synchronism with one another, the analysers being opposite in phase to one another, a photo-electric cell adapted to receive the light transmitted through said analysers and an alternating current meter coupled to the photo-electric cell.

2,032,129
CAPACITOR MOTOR
Ray P. Jackson, Wilkinsburg, and Herman M. Riebel, Oakmont, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 11, 1933, Serial No. 697,806
6 Claims. (Cl. 172—238)

1. In a capacitor motor including a housing, a stator structure and a rotor structure therein,

an annular condenser structure within the housing substantially coaxial with the stator and rotor, and a plurality of substantially radially-ex-



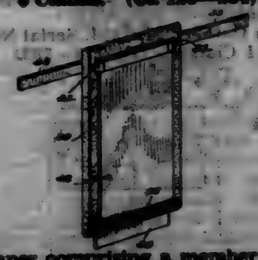
tending leaf springs having their respective ends operatively engaging the housing and the condenser structure.

2,032,130
LIQUID COOLING DEVICE
Gerhard Jarint and William A. Ebert, Hoboken, N. J.
Application November 26, 1934, Serial No. 754,887
3 Claims. (Cl. 62—142)



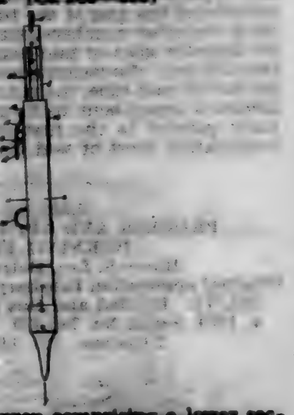
1. A cooling device comprising a shell, base means for closing the lower end of the shell and being detachably secured thereto, liquid receiving means connected to and closing the upper end of the shell and mounted for rotation thereon, said shell being adapted to receive a cooling means and having the liquid receiving means suspended therein, and spring pressed means for retaining the cooling medium about the liquid receiving means and mounted in the base means.

2,032,131
DIAPER
Doris B. Kennard, Tallahassee, Fla.
Application November 28, 1934, Serial No. 755,813
6 Claims. (Cl. 128—284)



3. A diaper comprising a member in the form of a sheet of waterproof material, a second member in the form of a pad of absorbent material supported by the sheet, one of the members being provided with spaced loops, the other member having laterally projecting straps inserted through the loops and extending beyond said loops for supporting one member on the other member, said straps forming means for attaching the diaper to the body of the wearer.

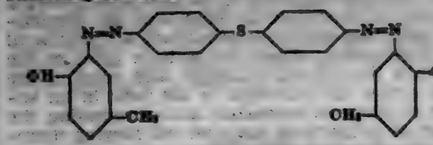
2,032,132
CLOTHESLINE PROP
Anthony Kovalik, Whitaker, Pa.
Application March 30, 1935, Serial No. 12,071
2 Claims. (Cl. 248—355)



1. A clothes line prop comprising a lower section, an upper section adapted to telescope the lower section, said upper section being provided with an elongated reinforcing strap secured to the same and provided with an outwardly buckled portion defining a handle.

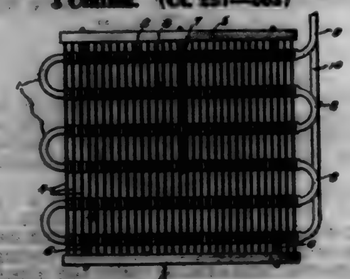
2,032,135
DISAZO DYESTUFF AND ITS PRODUCTION
Adolf Kreis, Basel, Switzerland, assignor to the firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application March 30, 1935, Serial No. 12,106. In Germany April 12, 1934
2 Claims. (Cl. 260—77)

2. Disazo dyestuff, insoluble in water, of the following formula



said dyestuff having a great coloring power and a good fastness to light and being suitable for dyeing cellulose ester lacquers, spirit lacquers, oils and fats and also for use in the graphic arts.

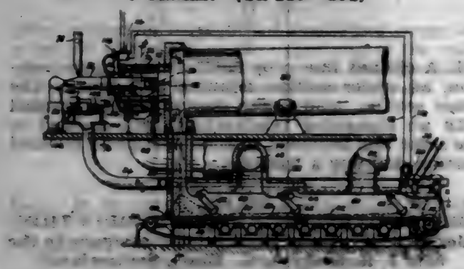
2,032,134
HEAT EXCHANGER
Lester U. Larkin, Atlanta, Ga., assignor to Larkin Refrigerating Corporation, Atlanta, Ga., a corporation of Georgia
Application January 5, 1935, Serial No. 274
3 Claims. (Cl. 257—263)



1. In a heat exchanger: a heat conducting tube; a heat conducting plate of resilient material in-

serted lengthwise in said tube; said plate being bent to form a U-shaped member having the bend thereof in contact with the inner surface of said tube and the legs thereof spaced apart and symmetrically arranged relative to a plane containing the axis of the tube; and bent also to form two other members extending symmetrically on opposite sides of said plane from the ends of the said legs into yielding contact with the inner surface of said tube, the outer ends of said other members being bent to form members substantially parallel to the first named members and terminating short of said plane.

2,032,135
PROCESS AND APPARATUS FOR BURNING FUEL
Harry S. Lee, Detroit, Mich.
Original application February 13, 1932, Serial No. 592,774. Divided and this application October 4, 1934, Serial No. 746,329
7 Claims. (Cl. 110—104)



1. That method of forming a fuel mixture and delivering the same into a combustion zone which comprises projecting the fuel by a stream of primary air preheated to a temperature slightly below the ignition point of the fuel into a mixing chamber to flow therethrough into the combustion zone, and delivering secondary air preheated to a temperature above the ignition point of the fuel into the mixing chamber and causing the same to flow therethrough in the form of an annular envelope of secondary air surrounding the stream of primary air and fuel and flowing therewith into the combustion zone.

2,032,136
MANUAL RESET THERMOSTAT
Paul R. Lee, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 12, 1934, Serial No. 743,855
5 Claims. (Cl. 200—122)



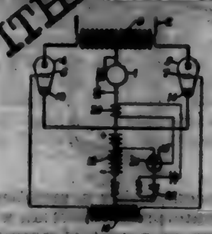
1. In combination with a base, fixed contacts thereon, a snap-acting bimetal disc having contacts thereon cooperating with the fixed contacts, means supporting the disc centrally thereof from the base, a plurality of stop pins extending through the disc and the base, a member adjacent to the base at that side opposite to the disc and having the stop pins secured thereto, and spring means to yieldingly hold said member against the base, whereby said member together with said stop pins may be moved as a unit against the pull of the spring means.

2,032,137
UNIFORMLY CONTROLLABLE GAS OR VAPOR DISCHARGE VALVE
Ernst Lübcke, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 24, 1933, Serial No. 695,245
In Germany October 27, 1932
2 Claims. (Cl. 250—27.5)



1. A discharge device comprising an indirectly heated cathode, a grid member surrounding said indirectly heated cathode member, a second grid member surrounding said first grid member and an anode surrounding said second grid member, a gaseous medium, said device having a container wall sealing said medium about said electrodes, the openings in said second grid member being smaller than the openings in said first grid member, said first grid member being spaced from said second grid member a distance of the order of the free-mean path of an ion of said gaseous medium.

2,032,138
ELECTRICAL CONVERSION SYSTEM
Leon R. Ludwig, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 10, 1934, Serial No. 747,913
11 Claims. (Cl. 175—363)



1. A vapor electric converter for producing alternating current from direct current comprising a plurality of arc type valves, control grids for said valves, a source of control potential for said grids and means responsive to forward fire in one of said tubes for advancing the firing point for the next succeeding tube.

WITHDRAWN

2,032,139
COLOR SCREEN DEVICE
Alfred J. Mary, Evanston, Ill., assignor to Mary Art Process Corporation, Chicago, Ill., a corporation of Illinois
Application May 26, 1933, Serial No. 727,837
2 Claims. (Cl. 88—39)



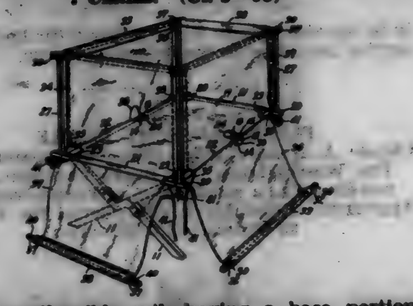
2. Bi-colored spectacles comprising a spectacle frame of cardboard or like material having a nose notch cut in it from one margin thereof, said notch being V-shaped with straight line margins so as to fit any size or shape of nose, said frame having two rhombic eye-openings in it with the opening margins adjacent said notch being parallel to the respective juxtaposed notch margins to assure full vision through said openings irrespective of the height of said frame on a nose, and rhombic eye-pieces of non-hygroscopic transparent material overlying said openings and pasted to the same side of said frame about said openings, said eye-pieces being of different colors.

2,032,140
FILTER DEVICE
Lewis E. Mallery and Joseph T. Nash, Decatur, Ga.
Application October 21, 1933, Serial No. 694,668
4 Claims. (Cl. 210—183)



1. A filter device for oils and the like especially adapted to withstand high pressure comprising a stationary inner cylinder and removable outer cylinder formed, respectively, with completely closed upper ends, said cylinders being so spaced as to provide an intermediate compression and filter cake chamber, said inner cylinder having circumferentially disposed filter means, a base plate having an upstanding annular centrally disposed portion adapted to threadedly engage within the inner cylinder to form a seal connection and support the cylinder in upright position, a centrally disposed outlet opening formed in said base plate, the surface of said upstanding portion being inclined downwardly from its circumferential edge to the outlet opening, an inlet opening for the compression chamber formed in said base plate exterior of the inner cylinder, said base plate having an annular V-shaped recess intermediate its circumferential edge and the inlet opening, said outer cylinder having its lower edge tapered to wedgingly seat in said V-shaped recess and effect a seal connection, adjustable securing means carried by the upper end of the outer cylinder detachably engageable with the base plate, overflow control means adapted for connection with pressure indicating means carried by said outer cylinder, whereby said outer cylinder may be expeditiously lifted and removed from the inner cylinder for effecting removal of the filter cake and cleaning purposes.

2,032,141
KNOCK-DOWN CRIB
Lawrence E. May, Jefferson City, Mo.
Application June 11, 1934, Serial No. 729,989
7 Claims. (Cl. 5—98)



2. A collapsible crib having a base portion, fabric bottom, side and end wall members carried by said base portion, corner posts detachably mounted on said base portion, longitudinal bars supporting said side wall members mounted on said corner posts and transverse bars mounted on said longitudinal bars so as to interlock therewith, said transverse bars supporting said end wall members and said end wall members being of such length as to be stretched tight when said transverse bars are mounted in interlocking relation on said longitudinal bars to hold said posts and bars in assembled relation.

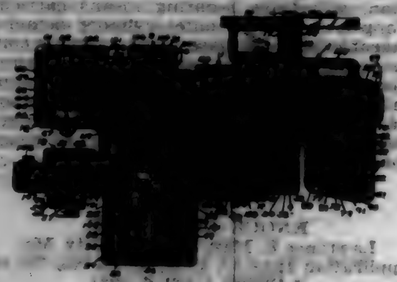
2,032,142
CEMENT
Leon McCulloch, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application October 11, 1934, Serial No. 747,330
4 Claims. (Cl. 106—30)

1. A cement comprising the reaction products of a mixture of about 62% of powdered flint, about 14% of sodium silicate, about 14% of water and about 10% of aluminum fluoride.

2,032,143
TRIPLE VALVE DEVICE
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 28, 1931, Serial No. 540,260
38 Claims. (Cl. 303—39)

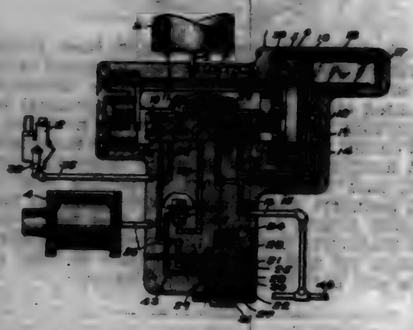
1. In a fluid pressure brake, the combination with a brake pipe and a quick service reservoir, of a valve device operated upon a reduction in brake pipe pressure to vent fluid under pressure from said brake pipe to said reservoir for effecting a quick service reduction in brake pipe pressure, and operative upon a further reduction in

brake pipe pressure to effect an application of the brakes and to connect said brake pipe direct-



ly to the atmosphere for effecting a further quick service reduction in brake pipe pressure.

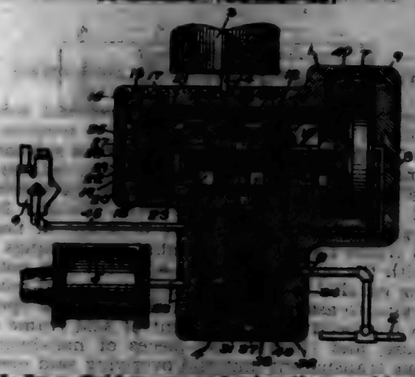
2,032,144
FLUID PRESSURE BRAKE
Claude A. Nelson, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 1, 1931, Serial No. 578,245
33 Claims. (Cl. 303—39)



1. In a fluid pressure brake, the combination with a brake pipe and a quick service reservoir having a direct and always open atmospheric vent, of a brake controlling valve device having a quick service position for establishing a communication through which fluid under pressure is adapted to be vented from said brake pipe to said reservoir at a rapid rate and through said vent at a slower rate, and operative upon a reduction in brake pipe pressure effected at one or the other of said rates to effect an application of the brakes.

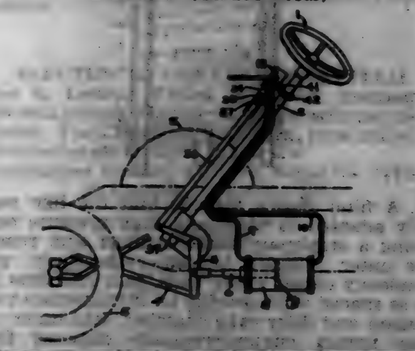
33. In a fluid pressure brake, the combination with a brake pipe, of a quick service reservoir of a volume which is so limited as to permit equalization of the brake pipe into said reservoir at a rapid rate without causing an emergency rate of reduction in brake pipe pressure of such duration as to cause an emergency operation, said reservoir having an always open restricted connection with the atmosphere of a size to permit continued venting of fluid from the brake pipe at a service rate, and a brake controlling valve device having a quick service position for venting fluid under pressure from said brake pipe to said reservoir at a rapid rate and operative upon a reduction in brake pipe pressure to effect an application of the brakes.

2,032,145
FLUID PRESSURE BRAKE
Claude A. Nelson, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 19, 1932, Serial No. 599,333
19 Claims. (Cl. 303—82)



1. In a fluid pressure brake, the combination with a brake pipe, of a brake controlling valve device comprising a main valve having a loading cavity normally supplied with fluid under pressure, a piston operated upon a reduction in brake pipe pressure for actuating said main valve, and means operating in advance of the movement of the main valve by said piston for venting fluid under pressure from the brake pipe and for establishing a communication through which fluid under pressure is vented from the loading cavity to effect the loading of the main valve.

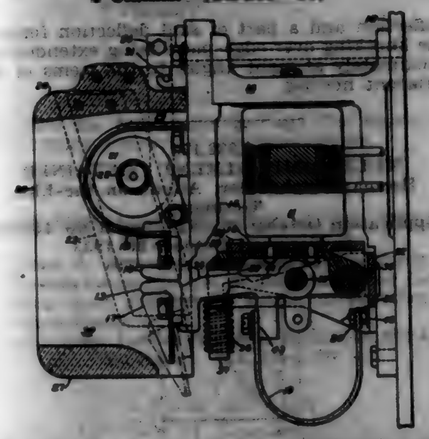
2,032,146
STEERING MECHANISM
Anselme Nevoux, Livry-Gargan, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 26, 1933, Serial No. 691,614
In France May 12, 1933
1 Claim. (Cl. 180—79.2)



In a power steering mechanism, the combination with a steering column, a steering element, and a fluid pressure operated motor for operating said element, of a pair of cooperating rotatable valve elements for controlling the fluid pressure on said motor, one of said valve elements being operatively connected to and rotatable by said steering column, a screw-threaded spindle rotatable to operate the other of said valve elements, a nut member engaging the screw-threads of the spindle, the pitch of the screw-threads on the spindle being such that axial movement

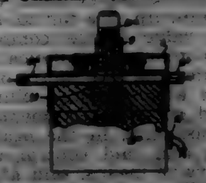
of the nut will rotate said spindle, an arm operated by the movement of the steering element, and links operatively connected to said nut to effect an axial movement of the nut.

2,032,147
ELECTROMAGNETIC CONTACTOR
Lawrence Pierce, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application May 28, 1930, Serial No. 453,958, now Patent No. 1,956,217, dated July 10, 1934. Divided and this application February 14, 1934, Serial No. 711,199
6 Claims. (Cl. 200—87)



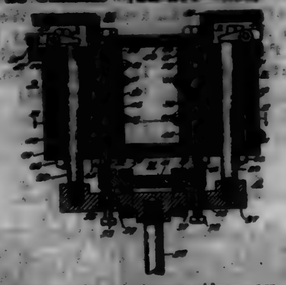
1. In an electro-magnetic contactor, in combination, an electro-magnet having a pivotally-mounted armature member, said armature having a hammer-like portion, a fixed contact member, a movable contact member disposed to resiliently engage the fixed contact member when the armature is actuated towards the electro-magnet, and a contact-carrying arm pivotally mounted on the armature member for supporting the movable contact member, said contact-carrying arm being so mounted on the armature member that the hammer-like portion of the armature will impinge on the contact-carrying arm when the armature is actuated away from the electro-magnet, thereby causing the contact members to be separated quickly.

2,032,148
ELECTRICALLY ACTUATED PULSATOR PUMP
Cécile Remigé, Suresnes, France
Application May 29, 1935, Serial No. 24,142
In France June 5, 1934
4 Claims. (Cl. 103—53)



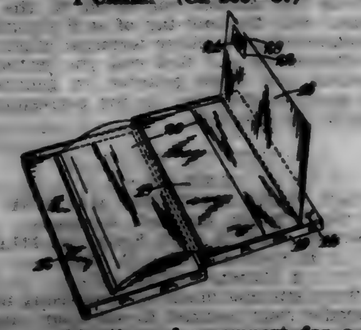
1. A pump comprising a vibrating member, electro-magnetic means, a resilient element between said vibrating member and said electro-magnetic means serving to support said vibrating member in operative relationship to said electro-magnetic means so that when an alternating current is passed through said electro-magnetic means said member is vibrated, said resilient element being hollow and being closed at its ends by said vibrating member and said electro-magnetic member whereby there is provided a pump chamber, and fluid inlet and outlet means leading to and from said pump chamber.

2,032,149
CIRCUIT INTERRUPTER
Herbert L. Rawlins, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 13, 1934, Serial No. 743,845
25 Claims. (Cl. 200—144)



1. In a device for interrupting an electrical circuit; means for defining the walls of a pair of arc passages; one of said arc passages being capable of extinguishing arcs of large current magnitude but being incapable of extinguishing arcs of small current magnitude, and the other of said passages being capable of extinguishing arcs of small current magnitude; and electro-responsive means for causing the arc which is established incident to the opening of said circuit by said interrupter to be initiated and then drawn only within that passage which is best suited for effecting its extinguishment.

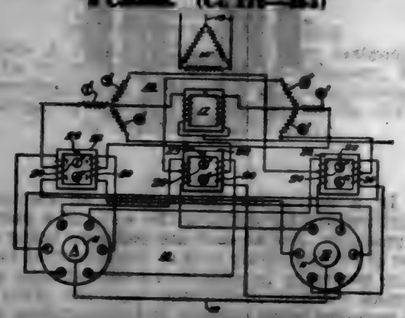
2,032,150
MEANS FOR LIFTING SHEET MATERIAL FROM A SUPPORT OR PILE
Conrad Richardson, London, England, assignor to Ring Containers Limited, London, England, a British company
Application February 2, 1933, Serial No. 654,883
In Great Britain October 13, 1932
1 Claim. (Cl. 206—57)



The combination of a support for a pile of sheets of carbon paper or the like, a cover constituted by a sheet of flexible sheet material arranged to extend substantially across the support

from one edge to the opposite edge, which cover is adapted to be pressed down on to and to contact substantially over its entire area with the top sheet of the pile to be lifted, an adhesive member that is carried by the underside of said cover and has on only one side an adhesive face to be applied to the upper surface of the said top sheets, and a tab constituting a handle member attached to the upper side of the cover opposite to the adhesive member, which adhesive member has a flexible portion that is to be temporarily applied to the sheet to be lifted, and lies out of the plane of the under face of the cover, and is unattached to the cover.

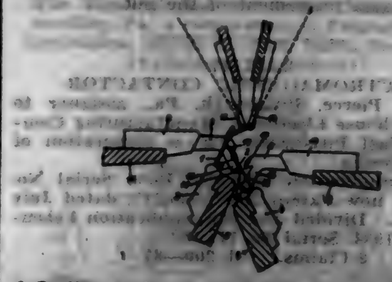
2,032,151
IGNITION TRANSFORMER
Herbert A. Rose, Wilkinsburg, and Albert J. Maslin, Sharpsville, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 2, 1933, Serial No. 673,976
8 Claims. (Cl. 175—363)



1. A conversion system comprising a source of alternating current, parallel vapor electric devices, a cathode in each of said devices, said cathodes being connected together, a plurality of anodes in each of said devices, two anodes being connected to a common phase terminal of said current source, said anodes being in separate devices and means to compel parallel operation of the anodes comprising a two-section ignition coil, the terminals of said coil being connected to the parallel anodes, a tap in said coil connected to the phase terminal supplying said anodes, a magnetizable core associated with said coil, each of the sections of said coil being adapted to generate opposing flux in said core, a second two-section coil associated with said core, the terminals being connected to parallel anodes in the same devices as the anodes connected to the first mentioned coil, the mid-tap of said second coil being connected to a phase terminal other than that connected to said first coil, the sections of said second coil being adapted to generate a flux in opposite direction to the corresponding sections of the first coil.

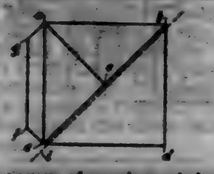
2,032,152
FLAT WARP KNITTING MACHINE
Georg Sappe, Limbach, Germany
Application April 20, 1934, Serial No. 721,616
In Germany May 24, 1933
4 Claims. (Cl. 66—87)

1. A warp knitting machine comprising needle bars; needle rows secured to said bars and at knocking over time being disposed at an acute angle to one another; and sinker bars and sinkers secured to said bars, each of said sinkers having a throat, the lower edge of which forming the upper edge of the beard of the sinkers being arranged approximately parallel to the stems of the opposite needles and being formed with a



deflection and a part of said deflection forming the knocking over edge-piece being extended approximately at right angles to the stems of the adjacent needles.

2,032,153
MULTICOMPARTMENT CONTAINER
Hermann Schneider, Altona-an-the-Elbe, Germany
Application October 25, 1934, Serial No. 749,597
In Germany October 28, 1933
1 Claim. (Cl. 229—56)

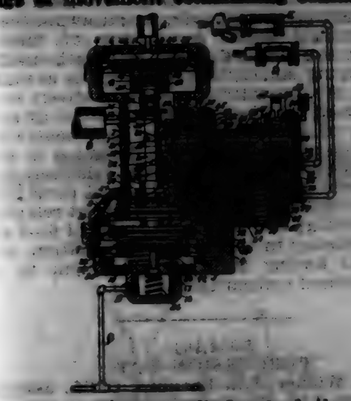


A multiple compartment container comprising a single sheet of paper folded along intersecting lines, the intersections of said folds being located a substantial distance away from the marginal edges of said sheet, adhesive material on the inside surfaces of adjoining folds thereby sealing the folded edge of each compartment on its inside surface against communication with an adjacent compartment, and a flexible member disposed within one of the intersected folds of said container, said flexible member thereby extending along a folded edge of a plurality of compartments.

2,032,154
FLUID PRESSURE BRAKE
Arthur William Simmons, King's Cross, London, England, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 20, 1934, Serial No. 736,171
In Italy December 2, 1933
12 Claims. (Cl. 303—74)

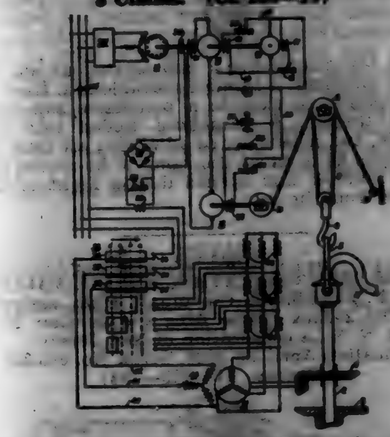
1. In a fluid pressure brake, the combination with a brake pipe, brake cylinder, and a source of fluid under pressure, of a control reservoir and a distributing valve device comprising valve means for controlling communication between the brake cylinder and said source of fluid under pressure or the atmosphere, a plurality of coaxially disposed movable abutments subject to the pressures obtaining in the brake pipe, the brake cylinder, and said control reservoir for operating said valve means, said abutments being capable of three distinct ranges of movement, the first of which controls the charging of the control reservoir, the second range of movement controlling the graduation of the applica-

tion and release of the brakes, and the third range of movement establishing communication



between the brake cylinder and the source of fluid under pressure or the atmosphere.

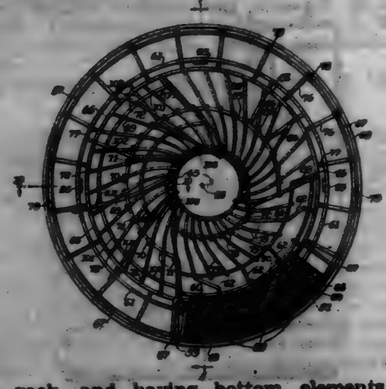
2,032,155
ELECTRICAL DIFFERENTIAL OIL WELL DRILLING SYSTEM
Stephen A. Stacey, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 6, 1933, Serial No. 650,461
8 Claims. (Cl. 255—19)



1. In a well-drilling system for a rotary rig, in combination, a drill table, a motor for driving the table, a drill stem operated by the table, a hoist-drum for lowering and hoisting or retrieving the drill stem, a motor for operating the hoist-drum in either direction, a generator for energizing the motor, and means responsive to the torque on the drill motor for varying the voltage of the generator energizing the hoist motor.

2,032,156
DISHWASHING MACHINE
Edgar S. Stoddard, Berwyn, Ill., assignor to The Conover Company, Chicago, Ill., a corporation of Illinois
Application July 16, 1935, Serial No. 31,127
14 Claims. (Cl. 134—9)

4. In a rack for supporting flatware in a dishwashing machine, a plurality of groups of dish holders, said holders being formed in part by inwardly directed upstanding wire partitions arranged in spaced relation about the center of



the rack, and having bottom elements, said groups of holders around the center being progressively smaller in size with their bottoms at progressively greater elevation.

2,032,157
FOOTREST
William C. Van Dresser and Wesley R. Van Dresser, Detroit, Mich., assignors to Van Dresser Specialty Corporation, Detroit, Mich., a corporation of Michigan
Application September 1, 1933, Serial No. 631,430
10 Claims. (Cl. 296—35)

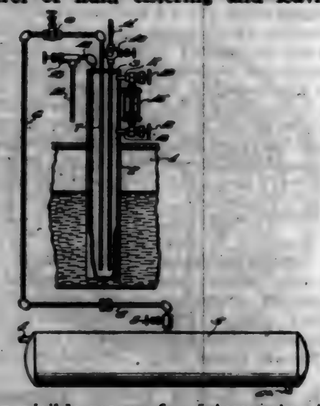


1. In a device of the character described, a foot rest plate hingedly mounted for movement to operative and inoperative positions, toggle links connected to said foot rest plate for actuating the same and for locking the same in its operative position, a shaft connected to said toggle links for actuating the same, resilient means associated with said shaft and tending to rotate the same in a direction to move said foot rest plate to its operative position, and means remote from said foot rest plate and shaft and so associated with said shaft as to rock the same to break the toggle connections when the foot rest plate is in operative position whereby the foot rest plate may be moved to its inoperative position by the exertion of pressure on the same.

2,032,158
APPARATUS FOR REMOVING NONCONDENSIBLE GASES FROM REFRIGERATING SYSTEMS
John P. Weaver, Dallas, Tex.
Application November 2, 1934, Serial No. 751,432
1 Claim. (Cl. 62—115)

In an apparatus for removing non-condensible gases from refrigerating systems, the combination comprising a receiver for refrigerating fluid, a brine tank, a closed vertically disposed cylindrical chamber partially submerged in the brine in said tank and receiving fluid from said receiver, parallel pipes of substantially equal length depending into said chamber whereby to introduce fluid into and discharge the same from said chamber, means above the liquid level in said

chamber to effect escape of non-condensible gases accumulating in said chamber, valve means in control of fluid entering and leaving said



chamber, visible means for determining the level of the liquid in said chamber and means for returning the liquid to said system subsequent to the withdrawal of said non-condensible gases.

2,032,159

HIGHLY BRANCHED, LONG CHAIN ORGANIC ACIDS

Frank C. Whitmore, State College, Pa., August H. Homeyer, St. Louis, Mo., and David M. Jones, Ferry Fort, and Walter E. Trent, State College, Pa., assignors to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri

No Drawing. Application April 17, 1933, Serial No. 666,513
4 Claims. (Cl. 260—113)

3. An acid corresponding in composition to the type formula:

$$(CH_3)_2C—(CH_2)_n—CXY—COOH$$

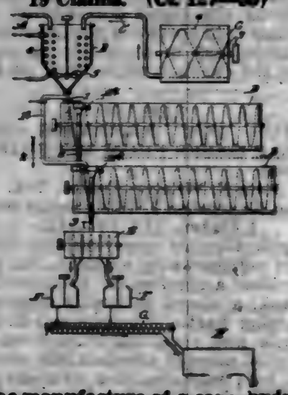
where n is equal to or greater than 2, X is hydrogen or an alkyl substituent, and Y is hydrogen or a carboxy substituent.

2,032,160

SUGAR MANUFACTURING PROCESS

John M. Widmer, Cedar Rapids, Iowa, assignor to Penick & Ford, Ltd., Inc., New York, N. Y., a corporation of Delaware

Application April 4, 1932, Serial No. 603,151
19 Claims. (Cl. 127—58)



5. In the manufacture of a crystalline carbohydrate sugar, the steps comprising: maintaining under crystal growth-promoting conditions and under continuous mixing and cyclic movement a crystal-laden body of dextrose massecuite; withdrawing therefrom relatively small decrements of finished massecuite as a mixture of crystals and the mother liquor carrying said crystals; and feeding as make-up to and mixing with said body relatively small increments of dextrose solution obtained by acid-hydrolysis of starch which has been neutralized to a pH not above 5, purified, subjected in such acid condition to concentration at relatively high temperatures, then subjected to final concentration to a selected crystallizing density at relatively low temperature and adjusted to a pH of 6—7 as a step preliminary to effecting crystallization, such adjustment having occurred subsequent to the first-mentioned concentration step.

2,032,161

PERCUSSION TOY

Martin L. Wiener, San Leandro, Calif., assignor to Cadaco, Ltd., San Leandro, Calif., a corporation of California

Application June 1, 1935, Serial No. 24,540
2 Claims. (Cl. 46—200)



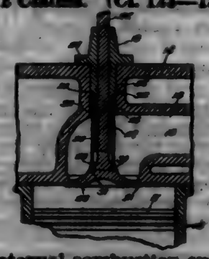
1. A toy comprising a cup serving as an explosive chamber, a thimble movable into the cup into position to explode a percussive cap contained therein, a parachute folded into the thimble, and means for so admitting air into the parachute as to cause the same to be moved out of the thimble and opened during flight of the thimble from the cup.

2,032,162

INTERNAL COMBUSTION ENGINE VALVE

Victor F. Zaboklicki, Cincinnati, Ohio, assignor to The Z-Flex Piston Ring Corporation, New York, N. Y., a corporation of New Jersey

Application April 10, 1933, Serial No. 665,269
2 Claims. (Cl. 123—188)



1. In an internal combustion engine, an engine body comprising a cylinder block and head, said body having an exhaust passageway extending from said cylinder, a valve slidably mounted in said engine body, said exhaust passageway including a concentrically formed seat adapted to be engaged by the head of said valve, and a cylindrical shield fixed to the valve and extending along and spaced from the valve stem across the exhaust passageway, said engine body including a bore portion receiving the end of said cylindrical shield, said cylindrical shield therefore having a telescopical movement in said bore and of a length whereby it is disposed in said bore at both open and closed positions of said valve.

2,032,163

FILLING MACHINE

Ralph B. Bagby, Evanston, Ill.

Application September 30, 1932, Serial No. 635,621
2 Claims. (Cl. 221—103)



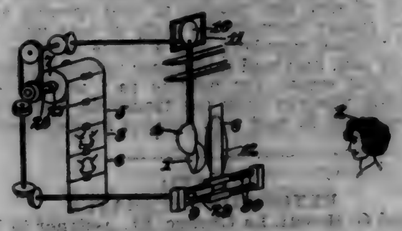
1. In a filling machine, means for withdrawing a substance from a supply thereof and for discharging it into a container and including a stationary cylinder having a port therein through which the substance may pass into said cylinder and be discharged therefrom, a piston reciprocal in said cylinder, a rotary member, a stud on said member, a pitman having an opening therein adapted to receive said stud, and adjustable means extending into said opening to engage said stud to limit movement thereof in said opening, said stud engaging one end of said opening to effect movement of said piston through said cylinder to discharge the substance through said port, and engaging said adjustable means to effect movement of said piston through said cylinder to draw the substance into said cylinder through said port.

2,032,164

CINEMATOGRAPHIC RECTIFYING SYSTEM

John Logie Baird, London, England

Application January 23, 1935, Serial No. 2,146
In Great Britain January 31, 1934
4 Claims. (Cl. 88—16.8)



1. In a cinematographic optical system for use with an intermittently movable photographic film, the combination with a fixed objective lens focused on and cooperating with said film while the latter is stationary, of a movable rectifying objective lens focused on the film and means for moving the rectifying objective lens with and in the direction of movement of said film for cooperation with the film during movement of the latter.

2,032,165

METHOD OF EXTRACTING CAROTENE

Harold M. Barnett, Cleveland, William O. Frohring, Shaker Heights, and Albert F. O. Germann, Cleveland, Ohio, assignors to S. M. A. Corporation, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application November 11, 1932, Serial No. 642,272
8 Claims. (Cl. 99—22)

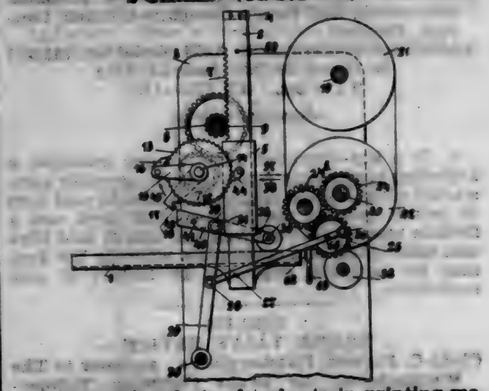
1. A method of producing a fat product rich in carotene, which comprises extracting from plant material both carotene and plant lipoids with a solvent for both, removing a portion of the solvent to cause crystallization in the remaining portion of a part of the carotene, removing the crystallized carotene, removing the remaining solvent to leave as a residue a mixture of carotene and sufficient plant lipoids to maintain the carotene in solution, and mixing such residue with a sufficient amount of fatty base material to produce a solution which is substantially stable against carotene separation at ordinary temperatures.

2,032,166

PAPER CONVEYING DEVICE FOR SHEETS, ESPECIALLY FOR USE IN OFFICE PRINTING MACHINES

Armin Breuer, Berlin, Germany

Application December 22, 1933, Serial No. 703,508
In Germany December 29, 1932
2 Claims. (Cl. 271—43)



1. Conveying device for sheets in printing machines with printing rolls, an adjustable table and a driving gear for the table, comprising means for carrying the uppermost sheet of a pile between the printing rolls, and means for automatically moving the adjustable table to exact working level; the said means for automatically moving the table comprising a pressure roll supporting arm, a touching arm arranged on the pressure roll supporting arm, provided with a pin which rests upon a fixed pin on the axle of the pressure roll supporting arm for releasing the pressure roll supporting arm.

2,032,167

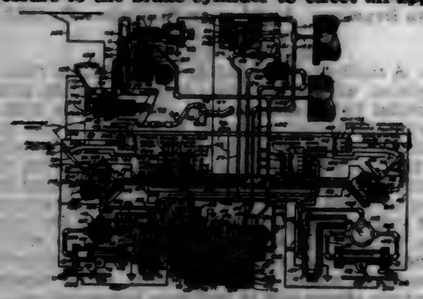
ELECTROPNEUMATIC BRAKE

John F. Craig, Upper Montclair, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application February 28, 1933, Serial No. 658,924
12 Claims. (Cl. 303—22)

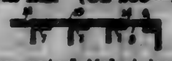
1. In a safety car control equipment, the combination with a brake cylinder, a pipe normally charged with fluid under pressure, electro-re-

sponsive means operative upon energization to supply fluid under pressure to said brake cylinder and operative upon deenergization to release fluid under pressure from said brake cylinder, and an emergency valve device operative upon a reduction in pressure in said pipe to supply fluid under pressure to the brake cylinder to effect an appli-



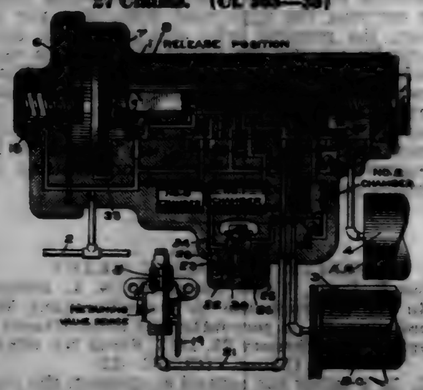
cation of the brakes, of a combined foot valve and electric circuit controlling device controlled by the pressure of the foot of the operator and operative upon the relief of foot pressure on said foot valve device by the operator to effect energization of said electro-responsive means and to release fluid under pressure from said pipe.

2,032,168
KEYBOARD
Alexander Adolf Carlo Degen, Harrow, England, assignor to Bell Punch Company Limited, London, England
Application September 19, 1934, Serial No. 743,477
In Great Britain June 11, 1934
9 Claims. (Cl. 235—145)



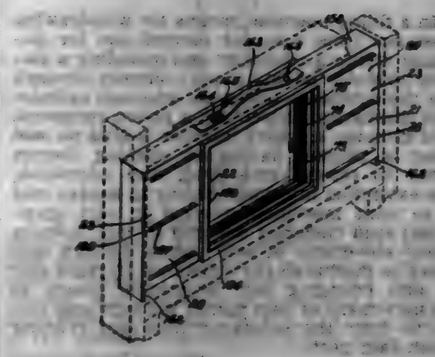
9. In a key-operated ticket issuing machine, a keyboard comprising a plurality of operable keys, a cover plate formed to provide access to said keys to permit manual operation of said keys, and a flexible membrane overlying the tops of said keys and underlying said cover plate whereby the keys may be manually depressed by flexure of said membrane.

2,032,169
TRIPLE VALVE DEVICE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 6, 1930, Serial No. 472,333
27 Claims. (Cl. 303—33)



1. In a fluid pressure brake, the combination with a brake pipe, auxiliary reservoir, and brake cylinder, of a triple valve device comprising a main valve, a graduating valve having a movement relative to the main valve, and a piston operated upon a reduction in brake pipe pressure for actuating said valves to effect the supply of fluid from the auxiliary reservoir to the brake cylinder to cause a service application of the brakes, two chambers of constant volumes and separate from the brake cylinder, means operative upon movement of said graduating valve relative to the main valve for venting fluid under pressure from the brake pipe to one of said chambers, and means operative upon movement of said valves to service application position for venting fluid under pressure from the brake pipe to the other of said chambers.

2,032,170
SLIDING WINDOW UNIT
Arthur E. Fisk, Pasadena, Calif., assignor of one-half to Frederick H. Rappel, Pasadena, Calif.
Application March 6, 1933, Serial No. 659,539
19 Claims. (Cl. 189—64)

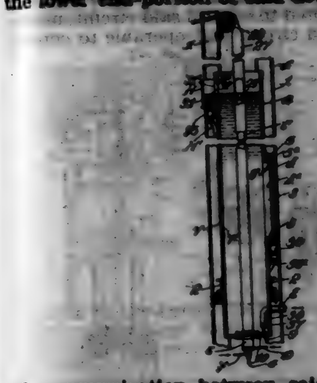


1. A window structure of the character described, including: a wall frame having an opening formed between a pair of laterally spaced vertical members and upper and lower horizontal members spaced apart vertically; a window unit in said opening of said wall frame, resting on said lower horizontal member, said window unit being of such size relative to said opening as to leave spaces between the ends of said unit and said vertical members and a space between the top of said unit and said upper horizontal member; and means for holding said unit in said opening whereby only the transverse movement of said unit in said wall opening is restrained.

2,032,171
EXTRUSION APPARATUS
Alfred G. Hewitt, La Grange, Ill., assignor to The Viking Corporation, Chicago, Ill., a corporation of Virginia
Application November 2, 1932, Serial No. 637,229
14 Claims. (Cl. 18—15)

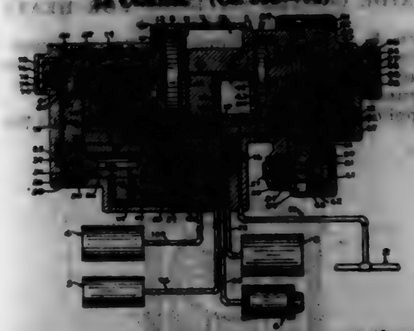
1. An extrusion-device comprising: outer and inner extrusion-members having an annular chamber and an extrusion-orifice between their upper end-portions and having coacting smooth, tapering centering surfaces below said chamber; means for forcing said surfaces into close-fitting relation and securing said extrusion-members

together; a plastic supply-pipe connected with the lower end-portion of said device; and means



of communication between said pipe and said chamber.

2,032,172
FLUID PRESSURE BRAKE
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 12, 1932, Serial No. 622,582
24 Claims. (Cl. 303—24)

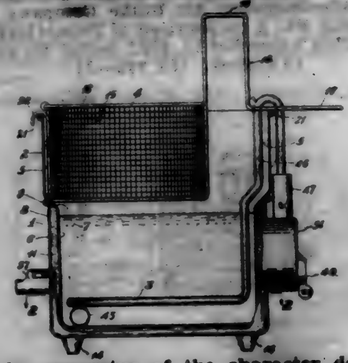


1. In a fluid pressure brake equipment, the combination with a brake pipe, a brake cylinder and local storage means normally charged with fluid under pressure, of a valve device normally establishing a communication from the brake cylinder to the atmosphere and operative by fluid under pressure constantly supplied thereto from a source of fluid pressure to close said communication, and a controlling valve mechanism operated upon a reduction in brake pipe pressure to effect the operation of said valve device for closing said communication, to effect a local reduction in brake pipe pressure, to establish a communication through which fluid under pressure is supplied from said storage means to the brake cylinder to effect an application of the brakes and to establish another communication through which fluid under pressure is vented from the brake pipe.

2,032,173
DRY SOLUBLE CHLORINE COMPOUND
Arnold H. Johnson and Hemming A. Trubler, Baltimore, Md., assignors to Sanitest System Laboratories, Inc., New York, N. Y., a corporation of Maryland
No Drawing. Application August 5, 1935, Serial No. 34,624
11 Claims. (Cl. 167—31)
4. A dry water-soluble chlorine compound comprising an alkali earth metal hypochlorite and a solubilising agent for the same comprising an alkali metal phosphate which yields soluble compounds of the cation of the hypochlorite on the alkaline side of neutrality in aqueous solution.

2,032,174
PROCESS FOR CLEANING METAL SURFACES
Carl Johnson, East Orange, N. J., assignor to Oakite Products, Inc., a corporation of New York
No Drawing. Application August 17, 1933, Serial No. 685,251
5 Claims. (Cl. 87—5)
4. A method of removing from the surface of metal objects, which are still in the process of manufacture, grease containing minute solid particles which accumulate on such surfaces during manufacture and fabrication of the objects, which comprises applying to such surfaces a solvent mixture which is readily emulsified in water, said mixture comprising substantially 65% to 95% kerosene, an oleic acid soap, cresylic acid and water, washing off such mixture with water, thereby removing solid particles from the surface while leaving a thin film of grease thereon, and then removing such film of grease from the surface.

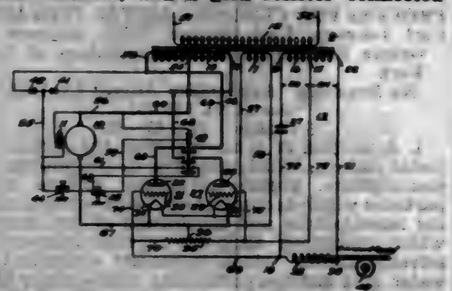
2,032,175
COOKING APPARATUS
Frank E. Jones, West Lafayette, Ohio, assignor to The Jones Metal Products Company, West Lafayette, Ohio, a corporation of Ohio
Application April 12, 1933, Serial No. 665,701
8 Claims. (Cl. 219—43)



1. An apparatus of the character described, having in combination a vessel providing a cooking area adjacent its lower portion and a draining area adjacent its upper portion, insulating means disposed about the sides and bottom of said lower area of said vessel, and a basket having combined supporting and spacing means on the handle and projecting outwardly from the upper margin of the basket opposite the handle adapted to position the same selectively within said cooking area or within said draining area.

2,032,176
CONTROL SYSTEM
Joseph F. Kovalsky, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application April 12, 1932, Serial No. 604,699
1 Claim. (Cl. 172—239)
A motor starting control system comprising, in combination, an electric motor driving a load,

means for energizing the motor, an electric discharge device for controlling the energization of the motor, a bridging circuit for regulating the electric discharge device, said bridging circuit including a transformer winding having a mid-tap, a capacitor, a control winding having a slidably mounted magnetic core all connected in series circuit relation, and a grid resistor connected



between the mid-tap of the transformer winding and a junction point of the capacitor and the control winding, and means responsive to the load on the motor for actuating the slidably mounted magnetic core, an ancillary winding inductively related to the control winding, an adjustable resistor, and means for connecting the ancillary winding and the adjustable resistor in closed circuit relation.

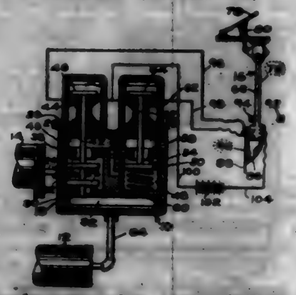
2,032,177

FLUID PRESSURE BRAKE CONTROL

John W. Logan, Jr., Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application November 17, 1933, Serial No. 698,460

19 Claims. (Cl. 303—24)



1. In a brake apparatus, a retardation rate controller device comprising a pair of mutually pivoted elements adapted to have positions of coincidence and non-coincidence, one of said elements being manually positionable and the other being positionable by force of inertia, and means whereby for positions of non-coincidence an application of the brakes is effected and for positions of coincidence a release of the brakes is effected.

2,032,178

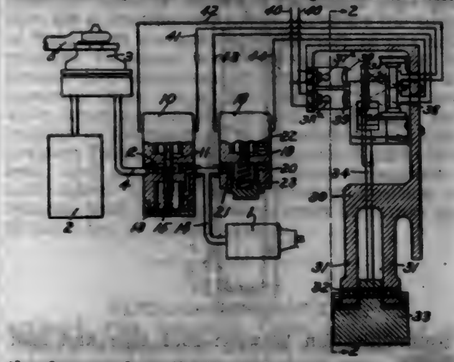
RETARDATION CONTROLLER

John W. Logan, Jr., Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application December 11, 1934, Serial No. 756,623

24 Claims. (Cl. 303—24)

1. In a vehicle brake apparatus, in combination, brake means; means for effecting an application of the brake means; a control circuit, a source of light, light responsive means responsive to variations in the quantity of light supplied thereto and adapted to control said circuit, means controlled by said circuit and operable to control



the degree of application of the brake means, and means responsive to inertia, said inertia responsive means being adapted when in different positions in its range of movement to vary the quantity of light supplied to the light responsive means.

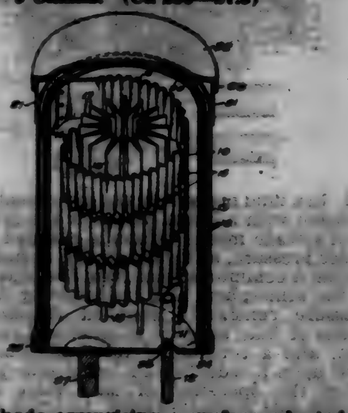
2,032,179

OXIDE COATED CATHODE FOR HEAVY DUTY SERVICE

Erwin F. Lowry, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 12, 1933, Serial No. 665,754

9 Claims. (Cl. 250—27.5)



5. A cathode comprising a surface adapted to emit electrons freely when heated, and a heater therefor comprising a metallic ribbon having its small thickness relative to its breadth disposed to substantially enclose the major electron emitting portion of said surface so that the thickness of said ribbon has a general radial direction relative to said surface, the major portion of the said surface being exposed to direct radiation from said ribbon.

2,032,180

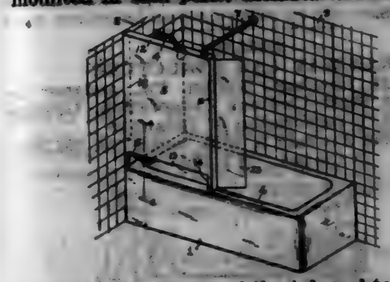
SHOWER SHIELD

Charles D. McCord, Shaker Heights, Ohio

Application January 12, 1932, Serial No. 586,945

5 Claims. (Cl. 4—144)

1. In a protective shower shield for attachment to an ordinary bath tub, the combination of a vertical panel member, bracket means for holding a floor mat, said bracket means being pivotally mounted in said panel member and adapted to



extend to the bottom of the tub and to be folded vertically against said panel member when said mat is not in use.

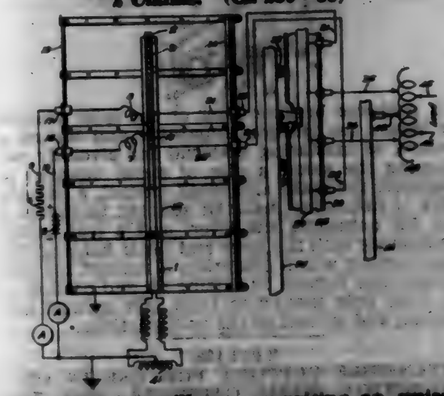
2,032,181

STANDING WAVE OSCILLATING SYSTEM

Ilia E. Mouromtseff and Harrell V. Noble, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 26, 1932, Serial No. 629,644

2 Claims. (Cl. 250—36)



1. A triode oscillator comprising an emissive cathode, a control electrode having a conducting cylinder connected thereto, a plate electrode having a second conducting cylinder coaxial with the first-named cylinder connected thereto, and a cylindrical conducting shield substantially coaxial with the first-named cylinder and having a diameter substantially equal to a half-wave length of the oscillations produced by said generator.

2,032,182

EVAPORATING METHOD AND MEANS THEREFOR

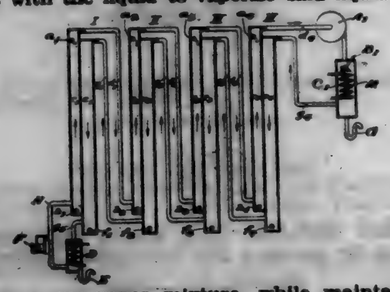
Erik Öman, Stocksund, near Stockholm, Sweden, assignor to Industriförvaltnings Aktiebolaget, Stockholm, Sweden, a joint-stock company of Sweden

Substitute for application Serial No. 362,976, May 14, 1929. This application April 28, 1934, Serial No. 722,591. In Sweden May 12, 1928

18 Claims. (Cl. 159—16)

1. A method of evaporating liquids under substantially the same pressure inside and outside of the apparatus, which includes indirectly transferring heat through an intervening partition to the liquid to be evaporated by conduct-

ing a heat yielding medium, comprising a mixture of gas which is non-condensing under the conditions of operation and a condensible vapor, along the opposite side of the partition from the liquid to be evaporated to progressively increase the temperature of said liquid and progressively decrease the temperature of said gas-vapor mixture, and passing a heat absorbing medium including a non-condensible gas in direct contact with the liquid to vaporize said liquid and



form a gas-vapor mixture, while maintaining the relative temperatures of said heat yielding medium and said heat absorbing medium and said liquid such that at all points of contact between said liquid and said heat absorbing medium the total heat content of said heat absorbing medium is less than the total heat content which would exist if the gas-vapor mixture constituting said medium were saturated at the temperature of the liquid at said point.

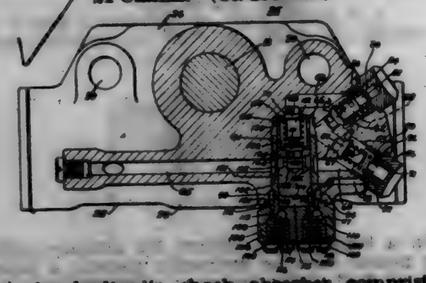
2,032,183

SHOCK ABSORBER

Edwin F. Roesman, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 18, 1932, Serial No. 617,948

21 Claims. (Cl. 188—88)



1. An hydraulic shock absorber comprising, in combination, means adapted to circulate fluid in two directions within said shock absorber; means adapted to control said fluid circulation, and means adapted to adjust the said control means decreasingly to restrict the circulation in one direction in response to the pressure of the fluid circulation in the other direction.

2,032,184

SOUND GATE

Frank Schiff, Hampstead, London, England, assignor to Radio Corporation of America, a corporation of Delaware

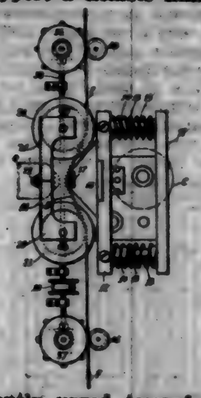
Application June 21, 1930, Serial No. 462,741

In Great Britain December 4, 1929

12 Claims. (Cl. 179—100.2)

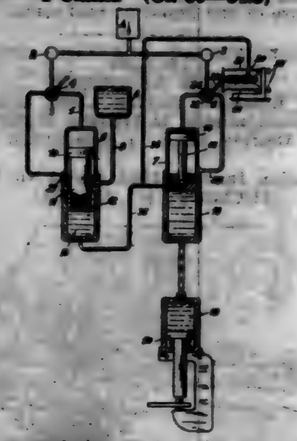
12. Photophonographic apparatus including a pair of rollers, flexible means on said rollers

adapted to support a flexible film, and a shoe



member resiliently urged toward said flexible means for placing a film into contact therewith.

2,032,125
TRANSMISSION SYSTEM FOR A PRESSURE-OPERATED MEMBER SUCH AS A HYDRAULIC PRESS
David Selsky, Paris, France
Application April 12, 1935, Serial No. 16,107
In Germany April 18, 1934
1 Claim. (Cl. 60—54.5)



In a transmission system for pressure-utilizing means such as hydraulic presses; a source (A) of fluid under pressure; a low-pressure hydraulic intensifier (6, 13) supplied from the source (A); a high-pressure hydraulic intensifier (7, 16) supplied from the source (A), comprising a cylinder (16) and a movable element such as a piston and ram (14, 15) reciprocating within the said cylinder (16); means of intercommunication (26) between the low-pressure intensifier (6, 13) and the high-pressure intensifier (7, 16), the said means discharging into the cylinder of the high-pressure intensifier and being controlled by the said movable element, such as the piston (14, 15) of the said high-pressure intensifier; an automatic pressure responsive control device (19, 21) controlled by the pressure of the low-pressure intensifier (6, 13) and, in turn, controlling the operation of the movable element of the high-pressure intensifier to bring the said high-pressure relay (7, 16) into operation when the low-pressure intensifier has operated; a receiver (16) actuated, in succession, by the low-pressure intensifier (6, 13) and by the high-pressure intensifier (7, 16) and actuating the pressure-utilizing means.

2,032,126
RAILWAY CAR STRUCTURE
William M. Sheehan, Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application January 8, 1934, Serial No. 705,364
13 Claims. (Cl. 105—264)



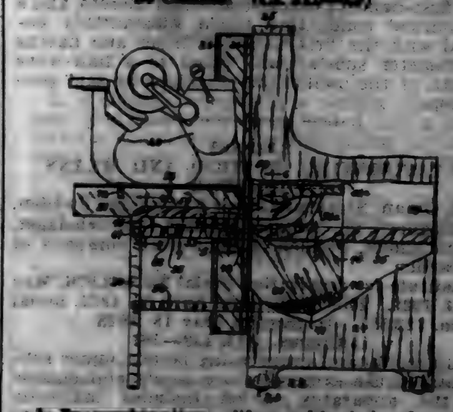
1. In a railway vehicle axle, an open top housing structure extending substantially throughout the depth of the axle for seating a load supporting spring, and a wheel mounting part adjacent said housing structure.

2,032,127
CIRCUIT BREAKER
Rasmus Carl Peter Sørensen, Brooklyn, N. Y.
Application September 21, 1934, Serial No. 744,871
14 Claims. (Cl. 200—18)



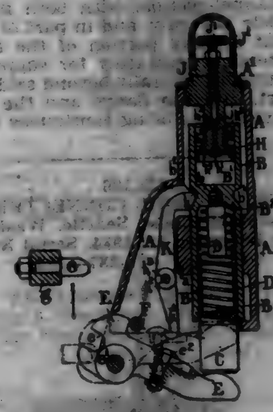
1. A circuit breaker lever of the type adapted for timers for ignition apparatus and having a bushing of insulating material for pivotally positioning the same; a disc of metal adapted to constitute the make and break contact, a rubbing block of insulating material adapted to engage a cam for actuating the lever, and a leaf spring cooperating with the lever and timer housing, the improvement which comprises a support for said contact disc formed by slitting an end portion of the lever only enough to form said support and bending and spreading the split portions.

2,032,183
EXTENSIBLE SUPPORT FOR USE IN CONJUNCTION WITH CABINETS AND THE LIKE
Herman A. Sperlich, Highland Park, Mich.
Application March 22, 1933, Serial No. 662,311
29 Claims. (Cl. 312—29)



1. In combination with a cabinet, track means therewithin, a carriage movable on said track means, and additional track means swingable to project from and to lie within said cabinet and forming an extension support for the carriage when projected and actuable by the carriage.

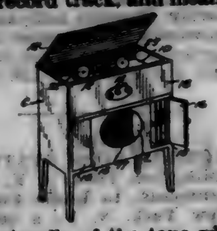
2,032,187
AUTOMATIC TIME RELEASE DEVICE
William Henry Stilling, London, England, assignor to Isaac Braithwaite & Son Engineers Limited, Kendal, England
Application March 9, 1935, Serial No. 10,259
In Great Britain March 22, 1934
7 Claims. (Cl. 161—1)



1. A device for locking the control mechanism of a machine in an operative position and releasing it therefrom only at the end of a predetermined period of time comprising an outer casing, a piston sliding therein, a chamber at one end of the piston, a spring controlled plunger within the chamber, a fluid containing second chamber at the other end of the piston, a stationary apertured piston carried by the outer casing and situated within said second chamber whereby the sliding piston can slide over the stationary piston, means to vary the size of the aperture in the stationary piston so that the fluid may escape from one side thereof to the other at a variable rate of speed, a pivoted lever operated by the control mechanism to move the spring controlled plunger and exert pressure on the sliding piston to expel fluid from one side of the apertured piston to the other, a pivoted catch mounted on the outer casing which when the control mechanism has been moved will engage the said pivoted lever and lock the mechanism in the operative position and means for releasing the pivoted catch when the sliding piston reaches the end of its travel.

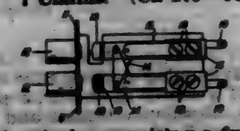
2,032,190
ELECTRIC RECORDING AND REPRODUCING APPARATUS
Adolph A. Thomas, New York, N. Y., assignor to Radia Corporation of America, New York, N. Y., a corporation of Delaware
Application July 15, 1933, Serial No. 680,674
6 Claims. (Cl. 179—100.11)

1. Recording mechanism comprising a magnetic tape mounted to run in alternately opposite directions, an electromagnetic device controlled by electric impulses for making a plurality of magnetic record tracks on said tape, means for automatically reversing the movement of said tape at the end of a record track, and means for shifting



said device laterally of the tape when the latter is reversed.

2,032,191
CIRCUIT CONTROLLER
Gerard P. Tremp, Brooklyn, N. Y., and Paul Neill, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 16, 1932, Serial No. 617,566
7 Claims. (Cl. 179—96)



1. A spring jack comprising a frame, a pair of parallel springs extending longitudinally thereon and each adapted to be operated independently by plugs, and auxiliary contact springs in contiguous relation with said parallel springs and provided with extensions each normally contacting with the other parallel spring whereby a parallel connection is established over conductors connected to said parallel springs.

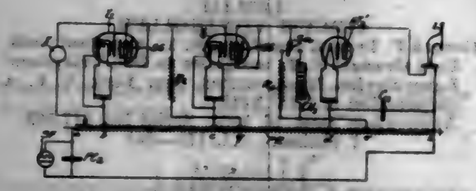
2,032,192
TOY
Frank I. Wheeler, Jr., Glen Ridge, N. J.
Application March 25, 1933, Serial No. 662,671
13 Claims. (Cl. 46—91)



1. In a water toy of the character described, having a mass sufficiently light to permit it to be lifted out of the water manually by a child in order to permit it to be charged with operating air admitted through its bottom portion and having a density greater than water, a hollow casing having an upper portion provided with a relatively small air passage for conducting air from the interior of said casing to the exterior thereof for doing work, said casing having an apertured lower portion adapted to admit operating air to the casing when the toy is lifted clear of the water, and when the toy is lower-

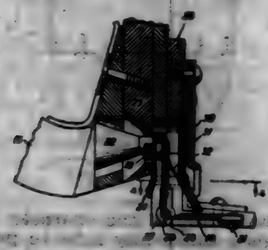
ing itself in the water to admit water into the interior of said casing for displacing the air therein outwardly through said air passage as said casing gravitates in the water, and a weight member connected with the lower portion of said casing to effect gravitation of the latter in the water.

2,032,183
ELECTRON TUBE SYSTEM
Sidney Y. White, New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 29, 1929, Serial No. 381,754
27 Claims. (Cl. 179—171)



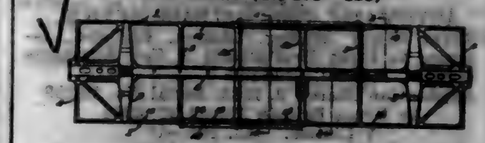
1. In a direct coupled electron tube system, the combination of a source of energy, a plurality of electron tubes, impedance output and input circuits coupling said tubes in cascade, means for energizing electrodes of said tubes from said source so that the filament-plate impedance of each preceding tube is of the same order as the impedance input to the next succeeding tube of said cascade, a frequency selective impedance within the plate-cathode circuit of the last tube of said cascade, and a non-selective impedance common to at least one of said input and to at least one of said output circuits for producing regeneration of all frequencies as an inverse function of the impedance to said frequencies of said frequency selective impedance.

2,032,184
VIBRATION TRANSLATING DEVICE
Charles F. Wiesmuth, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 2, 1934, Serial No. 713,954
6 Claims. (Cl. 179—100.41)



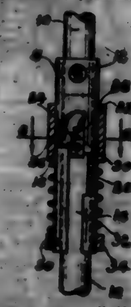
1. In a vibration translating device, a normally stationary structure including a magnet system having an air-gap, a generating element in the gap, means for vibrating the element, and a damped resilient connection between the stationary structure and the element having its stiffness and damping correlated to the mass of said structure so that said structure vibrates out-of-phase with the element over a portion of the low frequency range.

2,032,185
CAR UNDERFRAME STRUCTURE
William O. Ashe, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application December 15, 1933, Serial No. 702,447
4 Claims. (Cl. 105—415)



2. A railway car side sill member formed in part of channel-section, with both flanges extending solely inwardly, and in part of Z-section with all but a small portion of the top flange thereof extending outwardly for supporting car flooring extending laterally beyond said channel-section part, said top flange and the upper of said channel flanges being continuous with each other.

2,032,186
ROD OR TOOL CONNECTER
Joseph H. Blake, Seattle, Wash.
Application February 12, 1934, Serial No. 710,955
2 Claims. (Cl. 287—103)



1. In a coupling for a percussion tool, the combination with a reciprocable striker and a socket-sleeve fixed at one end to the striker, said sleeve having a slot opening at its other end and a lateral locking-recess in the closed end of the slot, of a slidable tool in the sleeve, an exterior lug on the tool seated in said recess and adapted to pass through the open end of the slot, a cam-sleeve slidable and partially rotatable on the socket-sleeve, an inner cam lug rigid with the cam sleeve and engaging the exterior lug, and said slotted sleeve having a release-recess to receive the cam lug to permit detachment of the tool.

2,032,187
COMPARATIVE VISCOSITY DEVICE
Adna F. Blanchard, Providence, R. I., assignor to Tryon Viscostor Corporation, Elmira, N. Y., a corporation of New York
Application July 21, 1933, Serial No. 681,061
9 Claims. (Cl. 265—11)

1. A device of the character described comprising two transparent test tubes each having a vent at one end, valve means selectively operable to open and close said vents, a movable indicating means in each tube, a pair of reservoirs, one contained within the other and respectively interconnected with the other ends of said tubes, an inlet port for each reservoir, valve means selectively operable to open and close said ports, a pair of pumps, and means connecting one pump with one reservoir and the other pump with the other reservoir whereby the pumps and valve means may be operated in conjunction



with each other to fill the reservoirs with fluids and thereafter force said fluids from the reservoirs into the test tubes and through their vents after the tubes are completely filled.

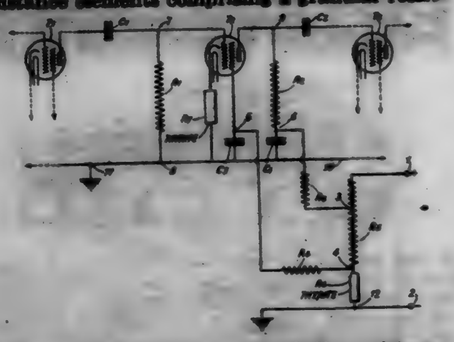
2,032,188
THREAD RESTORING TOOL
Gurney A. Boettcher, Richmond Hill, N. Y.
Application November 21, 1933, Serial No. 699,865
1 Claim. (Cl. 10—1)



A solid one-piece thread restoring tool terminating at one end in a long integral handle and at the other end in a relatively short handle also integral therewith, and provided with an intermediate solid thread restoring portion having a plurality of working faces individually disposed upon the sides thereof, each of which working faces comprises a plurality of continuous and unbroken longitudinal rows of cutting teeth having convex and undercut forward cutting faces, which cutting teeth are integral and also transversely arranged in an unbroken and continuous series of forwardly arched rows, and which short handle is provided with a plurality of indicia to correspond with and identify different pitches of the cutting teeth upon the various sides of the intermediate thread restoring portion, the same thread restoring portion being spaced from the handles by reduced portions upon said tool.

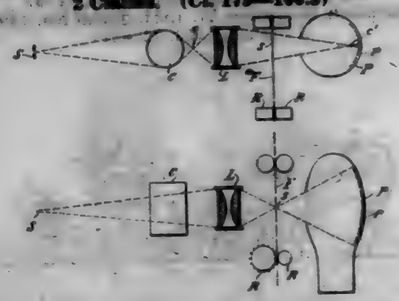
2,032,189
ENERGIZING CIRCUITS FOR SPACE DISCHARGE DEVICES
Rene A. Braden, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 19, 1933, Serial No. 676,462
4 Claims. (Cl. 179—171)

4. An amplifier system including at least one electronic tube having input and output circuits, a source of uni-directional fluctuating current, a distribution circuit connected across said source, said distribution circuit including a voltage divider resistor and independent resistance elements interposed in series between points in the output circuit and input circuit of said tube and points in said distribution circuit for energizing the electronic tube while preventing interference in said tube circuits from the fluctuating component of the uni-directional current, at least one of said resistance elements comprising a granular resist-



ance material having a hyperbolic resistance-ampere characteristic and having free carbon as an ingredient and means for holding the grains together under pressure.

2,032,200
METHOD OF AND SYSTEM FOR REPRODUCING SOUND FROM SOUND FILMS
Oscar Chouinard, New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 15, 1929, Serial No. 399,851
2 Claims. (Cl. 179—100.3)

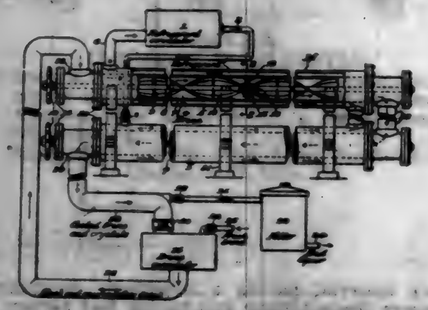


1. An optical system for a photoelectric sound reproducer comprising an elongated light source parallel to the plane of the sound record, a cylindrical lens between said source and the record with its axis parallel to the direction of movement of the sound record and forming a line image of said source between itself and the record, a spherical lens between said line image and the record and forming an image of said line image on a photocell and forming an image of said source in an intermediate plane, and means to guide a film in said intermediate plane with its soundtrack in alignment with said image.

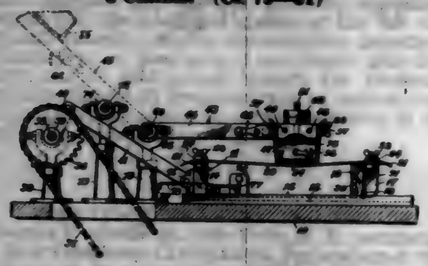
2,032,201
APPARATUS FOR RECOVERING CRYSTALLINE SALTS FROM SOLUTIONS
Sidney H. Davis, Tulsa, Okla., Carl O. Anderson, Baxter Springs, Kans., and Rudolph J. Stengl, Menahema, Tex., assignors to Ozark Chemical Company, Tulsa, Okla., a corporation of Delaware
Original application September 9, 1932, Serial No. 632,272. Divided and this application June 8, 1935, Serial No. 25,674
2 Claims. (Cl. 259—9)

1. In apparatus of the class described, a tubular casing providing a passage adapted to con-

tain a fluid, a shaft extending longitudinally within the casing, means for rotating the shaft, a spiral metal ribbon carried by the shaft and operative to scrape the wall of the casing when the shaft is rotated, cylindrical bearings surrounding the shaft at spaced intervals each provided with a plurality of radially extending legs contacting the casing wall, and means for circulating a fluid through the casing, said shaft having a longitudinal slot adjacent each bearing adapted to form a passage for the fluid from one side of the bearing to the other.



2,032,202
TESTING MACHINE
Calvin E. Dennis, Glen Ridge, N. J.
Application December 27, 1934, Serial No. 759,416
5 Claims. (Cl. 73—51)



1. In a testing machine, a movable base member, spaced upstanding supports on said base member, cooperative means on said supports to hold a test piece at the ends spanning said supports and exerting a constant tensile stress lengthwise of the test piece, and a structure having means to hold another test piece at its ends under a constant tension, said structure having means bearing on said last test piece between its ends, said structure being so mounted that under its own weight it presses the test piece carried thereby in frictional engagement with the first test piece between the ends of the latter.

2,032,203
PROTECTIVE HEADGEAR
Joseph B. Dyas, Pittsburgh, Pa., assignor to Mine Safety Appliances Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application March 7, 1935, Serial No. 9,713
10 Claims. (Cl. 2—3)

1. A safety head-gear comprising a rigid blow-resistant crown, a head band disposed therein, means for varying the size of the band, and a plurality of members rigidly connected to the head band and connected to the side wall of said crown for movement transversely thereof, whereby the head band is movable inwardly and outwardly relative to the crown throughout the width of said band.

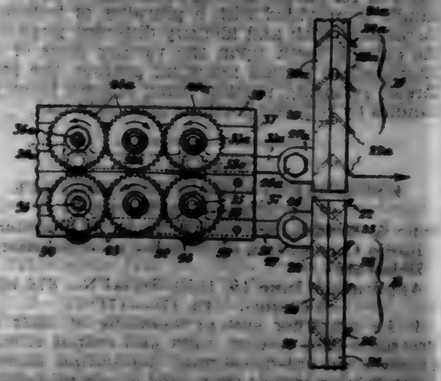


2,032,204
RAILWAY HOPPER CAR
Charles F. Fredo and Harry R. Thiele, St. Louis, Mo., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application August 13, 1934, Serial No. 739,832
2 Claims. (Cl. 105—249)



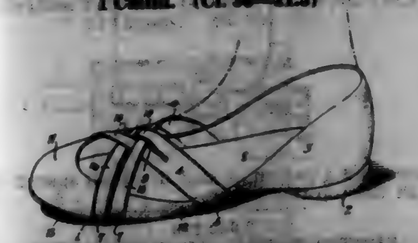
1. A hopper car integral cast structure including adjacent hopper end walls merging in a transverse bracing member, there being longitudinal corrugations in said member extending over the crest thereof and downwardly on each side towards the hopper openings.

2,032,205
METHOD OF AND APPARATUS FOR FINISHING CONCRETE PAVEMENTS
Robert R. Gage, Trenton, N. J.
Application June 8, 1931, Serial No. 543,488
31 Claims. (Cl. 94—39)



1. The method of finishing a concrete pavement which comprises removing the excess concrete from the surface and progressively diverting it laterally in opposite directions from the center of the pavement to the side edges thereof.

2,032,206
SHOE
Leon Goldberg, New York, N. Y., assignor to Vincent Herwitz Company, Inc., New York, N. Y., a corporation of New York
Application October 26, 1934, Serial No. 750,212
1 Claim. (Cl. 36—11.5)



A sandal or slipper comprising an outer sole and overlapping straps, the forward ends of which are split and interlaced with each other, the rear ends of said straps being secured to the sole at the forward shank portion, a toe pocket surrounding the forward portion of the sole and extending rearwardly along the sides thereof, with the ends of the interlaced straps crossing each other and embracing the rearward extensions of the toe pocket and secured thereto and between the toe pocket and the sole at opposite sides thereof.

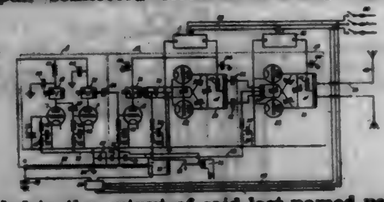
2,032,207
TAMPERPROOF CLOSURE SEAL
Solomon Gruner, Brooklyn, N. Y.
Application December 17, 1934, Serial No. 757,856
6 Claims. (Cl. 215—7)



1. A tamper-proof seal for containers comprising a spring member adapted to be inserted in a recess in a container and to extend substantially half way around the circumference of such container; the thickness of the spring member being less than the depth of such recess and the shape of the spring member being substantially the same as the shape of the recess; prongs provided at each end of said spring member and adapted to engage in sockets formed in the ends of the recess; and the spring member adapted to clamp a member secured to the closure device of the container in such a manner that this member will be withdrawn from the clamping engagement when the closure device is removed from the container.

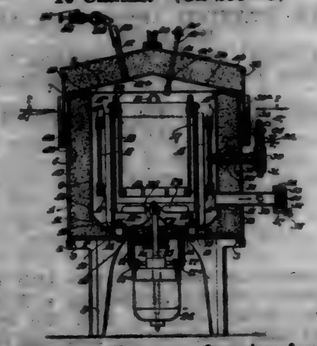
2,032,208
TRANSMITTING SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 26, 1931, Serial No. 525,419
18 Claims. (Cl. 250—17)

1. In combination, a crystal controlled oscillator including a thermionic discharge device, a frequency multiplier comprising a second single electron discharge device of larger size and rating than the discharge device of said oscillator coupled to the output of said oscillator for frequency multiplying and amplifying the oscillations produced thereby, a pair of pushpull connected electron discharge devices coupled to the output of said last named amplifying and frequency multiplying device and arranged to simultaneously frequency multiply and amplify the oscillations of said frequency multiplier, and a second pair of pushpull connected electron discharge devices



coupled to the output of said last named pair of tubes and arranged to amplify the output of said pushpull connected frequency multiplier and amplifier arrangement of electron discharge devices, whereby oscillation of considerable frequency and amplitude are obtained with a minimum amount of apparatus.

2,032,209
HEAT TREATING APPARATUS
John W. Harsch, Gwynedd, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application January 30, 1929, Serial No. 336,665. Divided and this application January 28, 1931, Serial No. 511,694. Renewed May 9, 1933
10 Claims. (Cl. 266—5)

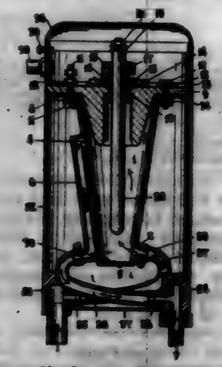


7. A diffusion alloy case-forming furnace comprising a chamber in which is disposed in a gaseous atmosphere the metal upon which the case is to be formed, means for generation of heat, a source of diffusion alloy case-forming reagent independent of said generation of heat, means for replenishing said atmosphere with reagent from said source thereof, means for ensuring uniformity of the case comprising mechanism for forcibly stirring said atmosphere, means external to said chamber for driving said stirring mechanism, and means for isolating said chamber to prevent ingress of extraneous gas including sealing means associated with said driving means of said stirring mechanism.

2,032,210
INSTANTANEOUS ELECTRICAL WATER HEATER
Richard Holt, Henley Beach, South Australia, Australia
Application May 6, 1935, Serial No. 20,921
In Australia May 7, 1934
9 Claims. (Cl. 219—44)

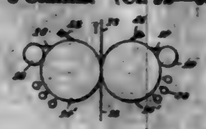
1. An instantaneous electrical water heater comprising; a metal cylinder positioned with its

axis vertical, a metal rod positioned within the cylinder, an insulating platform to support the cylinder and the rod, an inlet to the cylinder near the bottom and outlets to the cylinder one a small outlet near the bottom and the other a larger outlet near the top, a container sur-



rounding the cylinder and supporting the platform and having two water-pipe sockets, and rubber tubes one connecting the one water-pipe socket with the inlet to the cylinder and the other connecting the outlets from the cylinder with the other water-pipe socket.

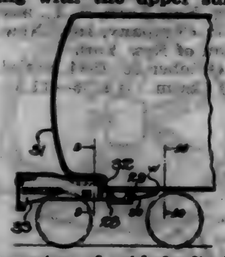
2,032,211
PAPER COATING APPARATUS AND METHOD
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application March 3, 1934, Serial No. 713,870
8 Claims. (Cl. 92—63)



1. Apparatus for coating paper with a thin film of mineral coating comprising a drier cylinder, roller means forming with the cylinder a nip containing fluid coating material for applying said material evenly to the surface of said cylinder at one point, the cylinder being arranged to be heated to dry the film, and means at a point circumferentially spaced from the first point, a distance sufficient to enable partial drying of the film of coating material in its travel therebetween, for transferring the partially dried film directly from the surface of the cylinder to a moving surface to be coated.

2,032,212
TANK CAR
Karl S. Howard, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application May 15, 1931, Serial No. 537,721
7 Claims. (Cl. 105—358)

1. In combination in a railway vehicle, a tank including a continuous wall and having an offset in the lower surface thereof, and structure separate from said wall and supporting said tank on each side of said offset and including a bolster, a draft sill, and a saddle forming flange engaging said tank, a portion of the top of said bolster being depressed below the level of the upper surface of said draft sill, and respective portions of said flange merging with the upper surface of said



bolster and a porton of said draft sill spaced beneath the top thereof.

2,032,213
PHOTOGRAPHIC FILM MAGAZINE
Albert S. Howell, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application April 4, 1933, Serial No. 664,890
13 Claims. (Cl. 242—71)



9. In a photographic film magazine the combination with a casing provided with a film opening in the edge wall thereof, of a curved film passage member within the casing and cooperating with a similarly curved edge wall portion of the casing to form a film passage communicating at spaced points with said opening and the interior of the casing, and said edge wall portion having its intermediate longitudinal portion offset outwardly at said film passage.

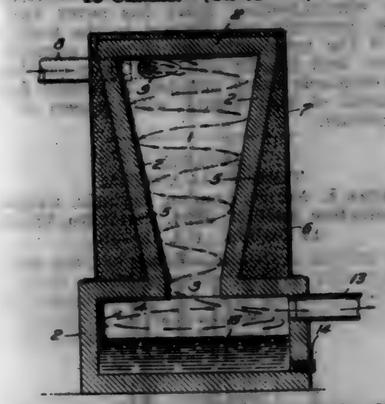
12. In a photographic film magazine the combination with a casing having a transverse wall thereof provided with a bearing opening, of a film spool within the casing and provided with a reduced end bearing portion engaged in said bearing opening, and nested circular ridge and groove formations on said spool and transverse wall and surrounding said bearing opening.

2,032,214
PHOTOGRAPHIC FILM MAGAZINE, SPOOL, AND FILM THEREFOR
Albert S. Howell, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application April 4, 1933, Serial No. 664,891
3 Claims. (Cl. 242—74)



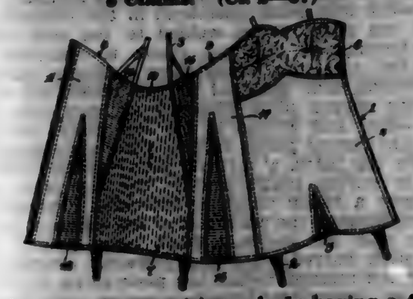
3. In a film spool the combination with a hollow body comprising two cylindrical oppositely disposed cup shaped members having their cylindrical walls telescopically engaged to form the body, of means struck up from the material of the cylindrical wall which overlies the other cylindrical wall for securing a film on the spool, the second mentioned cylindrical wall underlying the resulting opening in the first mentioned cylindrical wall and light trapping the same.

2,032,215
METHOD OF AND APPARATUS FOR TREATING DISCRETE PARTICLES AND VAPORS
Frank B. Kemmer, Larchmont, N. Y., assignor to Magnesium Products, Inc., Pittsburgh, Pa., a corporation of Delaware
Application February 14, 1934, Serial No. 711,114
13 Claims. (Cl. 75—17)



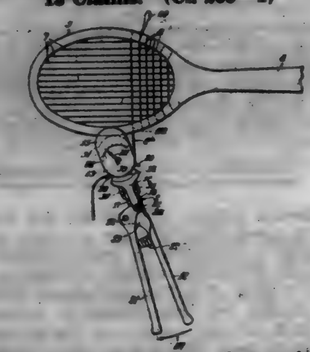
1. A method of treating liquefiable discrete particles to liquefy the same which comprises projecting the same against a surface covered with a film of liquefied substances maintained at a temperature above the melting point and below the boiling point of said substance to be liquefied to form a coherent body thereof.

2,032,216
CORSET
Joseph J. Kiepert, Hamden, Conn., assignor to I. Newman & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application April 29, 1935, Serial No. 18,925
5 Claims. (Cl. 2—57)



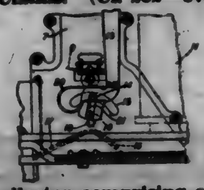
1. A corset, comprising a body having a front panel principally of inelastic material, a rear panel extending from the top to the bottom of said body and elastic and stretchable only longitudinally of the body, and a pair of side panels connecting the front and rear panels, one of said side panels having a row of disengageable fastening members, said front panel having a row of disengageable members interlocking with the fastening members of the last-mentioned panel, each of said side panels comprising a section formed of material substantially inelastic and extending from the top to the bottom of the corset and a pair of elastic and circumferentially stretchable gores, one gore having its larger end at the bottom of the body and the other gore having its larger end at the top of the body, with the smaller ends overlapping but spaced apart, one edge of one gore being connected to one edge of said rear panel and the opposite edge connected to one edge of said inelastic section.

2,032,217
TENSIONING DEVICE
Guy L. Matthews and Harry L. Diehl, Chicago, Ill.; said Matthews assignor to said Diehl
Application July 30, 1932, Serial No. 626,343
13 Claims. (Cl. 265—1)



13. In a tensioning device, the combination of a main supporting frame having a hand grip formed thereon, a head formed on said frame and having a flange portion extending longitudinally thereof, a movable hand grip pivotally mounted on said frame, a gripping jaw connected to said movable hand grip and having a rectilinear movement with respect to said supporting frame, said jaw being engageable with said head for securely holding a cord between the jaw and head, a pressure member having a flange formed thereon movably mounted on said frame, a contact portion on said pressure member between said flange and the flange portion of said head, said contact portion being spaced from the engaging portions of said head and jaw and movable with respect to said head, a spring operable between said member and head for resisting the movement of said member and contact portion, a graduated scale formed on said head, a shaft rotatably mounted in said head, an indicator finger secured to said shaft and operatively related to said scale, a pinion secured to said shaft, and a toothed rack carried by said pressure member and operatively connected to said pinion for rotating said shaft and moving said finger along said scale in accordance with the movement of said pressure member with respect to said head.

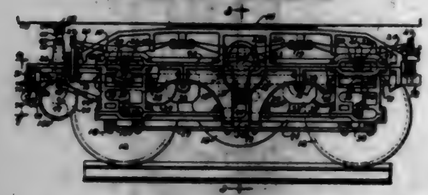
2,032,218
COIN COLLECTOR APPARATUS
John M. Melick, Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 21, 1935, Serial No. 7,485
7 Claims. (Cl. 232—57.5)



5. A coin collector comprising a coin chute, a pivoted vane within said chute, an extension pro-

jecting from said vane, a lever engaging said extension, electrical means for operating said lever to deflect said vane from its normal position, and spring means contacting with said extension for supplying a force tending to restore said vane to its normal position.

2,032,219
WHEELED VEHICLE
James C. Mock, Detroit, Mich.
Application November 8, 1932, Serial No. 641,863
7 Claims. (Cl. 105—215)

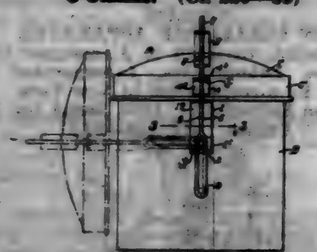


1. A wheeled vehicle convertible for travel on or off rails, comprising a body, a truck supporting the same, a plurality of axles carried by the truck, a pair of flanged wheels carried by one of said axles, a pair of unflanged wheels carried by another, means for independently raising and lowering each of said axles and the wheels carried thereby, and journaling and supporting means for suspending the vehicle from either pair of axles when lowered.

2,032,220
MANUFACTURE OF GOLF BALLS AND THE LIKE
Edward Arthur Murphy and Douglas Frank Twiss, Erdington, Birmingham, and Robert Gilbert James, Selly Oak, Birmingham, England, assignors to Dunlop Rubber Company Limited, London, England, a British company
No Drawing. Continuation of application Serial No. 543,614, June 8, 1931. This application December 27, 1934, Serial No. 759,388. In Great Britain July 22, 1930
1 Claim. (Cl. 18—59)

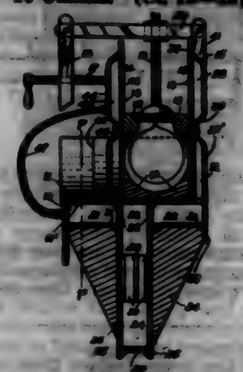
A method of forming gutta containing powders moldable under heat and pressure to form a golf ball cover which comprises reducing the extensibility of a gutta composition by stretching it or extending it while cold, and then sub-dividing it into fine particles.

2,032,221
COVERED RECEPTACLE
Eddie P. Myers, St. Louis, Mo., assignor of forty per cent to Frederick D. Reynolds, University City, Mo.
Application November 18, 1933, Serial No. 698,615
5 Claims. (Cl. 220—33)



1. A receptacle comprising a body portion, a cover for said body portion, means for slidingly connecting said cover to said body portion of said receptacle, said means comprising an inverted U-shaped handle which is rigid throughout its length and is slidingly attached to said body portion at its lower ends at opposite sides thereof of the body portion and extends over the top, means attached to said cover for movably connecting said cover to said handle, and gripping means fixed to said cover and so located that said gripping means and said handle may be grasped by a hand of a user of the receptacle so as to simultaneously move the cover and the handle upwardly with respect to the body portion of the receptacle, the slidable connections between said handle and said body portion of said receptacle being adapted to permit pivotal movement of said handle with respect to said body portion.

2,032,222
TIRE VULCANIZER
Charles E. Norris, London, Ontario, Canada
Application April 12, 1934, Serial No. 722,850
10 Claims. (Cl. 18—18)

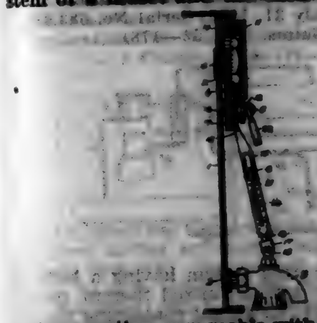


10. A sheet metal vulcanizer comprising an upwardly curved top plate, a pair of spaced depending side plates welded to the underside of the top plate, said plates extending in the direction of the curve of the top plate medially of its width and being apertured in the vicinity of said top plate, plates welded to the ends and the bottoms of said side plates to complete a box-like structure constituting a steam boiler, a heating unit disposed in the boiler, an upwardly curved plate disposed at each side of the boiler and welded to the side plates thereof, said curved plates having their ends welded to the top plate, a vertical plate welded to one of the curved plates and to the top plate to compose a steam chamber therewith communicating through the apertures of the adjacent side plate with the boiler, a back plate welded to the other curved plate and upwardly extending in spaced relation to the top plate so as to provide an intervening steam passage, said back plate having its side and top edges inturned, an inner plate welded to said inturned edges of the back plate and to the adjacent edge of the top plate to compose therewith a steam chamber, and a chambered wall rising from the top plate and adapted to be heated by said boiler.

2,032,223
OIL OR GASOLINE BARREL LOCK
Albert Ostgaard, Cadogan, Alberta, Canada, assignor of one-half to Walter Ganzer, Provost, Alberta, Canada
Application December 21, 1934, Serial No. 758,541
In Canada December 30, 1933
5 Claims. (Cl. 70—125)

1. A locking bar assembly for barrel locking attachments, said assembly comprising inner and

outer endwise relatively shiftable members, said members including cylindrical portions concentrically arranged, the inner member having one end adapted for pivotal engagement with the valve stem of a faucet and the outer member having



a strap portion engageable with a locking staple, the outer member being formed with opposing longitudinal slotted openings, and the inner member having a laterally projecting guide pin arranged for travel in said openings.

2,032,224
FAN
Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application February 1, 1933, Serial No. 654,669
2 Claims. (Cl. 170—161)



1. A fan comprising a hub, a spider fixed to the hub, flexible laminated blades fixed along one side to the spider, and resilient means associated with the free side of each of the blades holding the laminations in frictional contact.

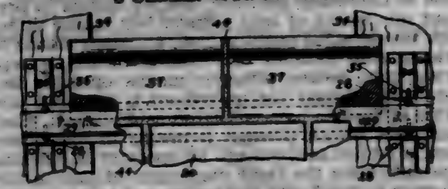
2,032,226
APPARATUS FOR ATTACHING SEAL CAPS ON BOTTLES
Sven Olle Fiehl and Hjalmar Friberg, Stockholm, Sweden
Application October 17, 1934, Serial No. 748,645
In Sweden October 21, 1933
2 Claims. (Cl. 226—86)



1. Apparatus for attaching seal caps on bottles, wherein the seal cap skirt is deformed to enter

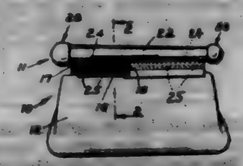
a recess on the bottle head, comprising an abutment member adapted to abut against the top of the seal cap, a ring enclosing the seal cap and adapted to be compressed resiliently in the radial direction around the seal cap, a pressure member supporting said ring and adapted to axially displace said ring, a wedge member provided with an inclined guide face adapted to cooperate with said ring and compress the same when the ring is axially displaced by the pressure member, said abutting member, pressure member, and wedge member being axially movably arranged in relation to each other, said abutment member being axially movable in relation to the bottle and connected to said pressure member by means of a spring member so that upon axial displacement of said abutment member through the pressure of the bottle, said spring member by means of said pressure member will displace the resilient ring along the guide face of the wedge member so as to radially compress the ring around the seal cap skirt.

2,032,228
METAL FRAME AND RAIL FOR TILE
Charles Roeder, New York, N. Y.
Application March 18, 1933, Serial No. 661,428
3 Claims. (Cl. 72—19)



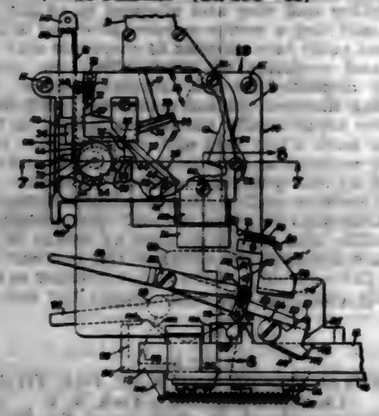
1. A building construction which comprises a plurality of vertically disposed channel-bar supports each having pairs of spaced slots therein at a plurality of levels, a plurality of horizontally disposed flanged tile-supporting track elements, said horizontal tracks having pairs of bolts disposed thereon where the track elements cross the vertical supports, said bolts extending into said slots and permitting fastening of the tracks to the supports and vertical adjustment thereon and with respect to each other.

2,032,227
HANDBAG
Nathan Rosovsky, New York, N. Y., assignor to Elite Specialty Metal Co., Inc., New York, N. Y.
Application March 23, 1934, Serial No. 717,033
4 Claims. (Cl. 150—34)



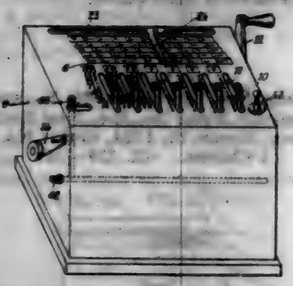
1. In a bag, a member mounted thereon provided with a tubular portion having an open end portion, a hollow cover frictionally fitted over said end portion, a spring having a plurality of curved fingers fixed to the bottom of said cover, and an article having an end portion received between said fingers and extending within said tubular portion, said fingers being disposed between the end portion of said article and the end portion of said tubular portion and frictionally engaging the latter.

2,032,228
MULTIPLE COIN ACTUATED PLUNGER
William H. Rowe, New York, N. Y.
Application December 15, 1933, Serial No. 702,428
16 Claims. (Cl. 194—42)



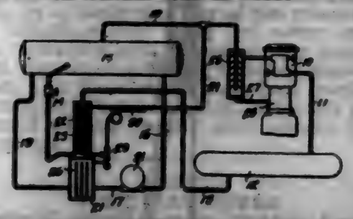
1. In a coin freed device, a plunger bar movable to operating position, locking means to prevent movement of said plunger bar in one direction to operating position, coin actuated means to release said plunger bar locking means, a separate coin return plunger, means operable before said plunger bar movement is initiated and after said coins have actuated said release, when said coin return plunger is moved in one direction, to return said coins to an operator and means operable upon the same movement of said return plunger to reset said locking means to again prevent movement of said plunger bar.

2,032,229
TELEPHONE CALL APPARATUS
Jacques Serruzier and Jean Marie Consael, Paris, France
Application April 4, 1934, Serial No. 718,986
In France November 24, 1933
12 Claims. (Cl. 179—90)



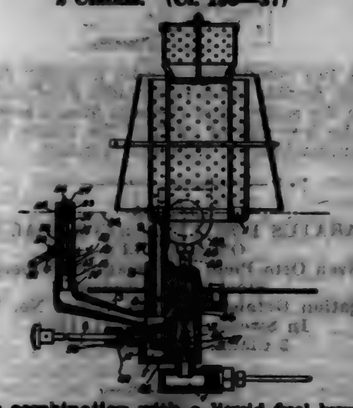
1. In an automatic signal apparatus, two series of call mechanisms, one series having signals composed at the moment of use, the other having call signals prepared in advance, all of the signals being composed along parallel lines, a single slide mounted for reciprocal movement parallel to the signals and carrying two pawls, one pawl acting on the signals prepared in advance and the other pawl acting on the signals composed at the moment of use, means for causing unrestricted movement of the slide in one direction and automatic means for causing controlled movement of the slide at constant speed in the opposite direction.

2,032,230
OIL RECOVERY DEVICE
Norman M. Small and Francis Shenton, Waynesboro, Pa., assignors to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania
Application July 21, 1933, Serial No. 681,047
16 Claims. (Cl. 62—178)



1. In a refrigerating system having a body of liquid refrigerant with oil mixed therein, means for circulating the refrigerant containing the oil, means for heating a portion of the mixture to evaporate the refrigerant from the oil, means for delivering the mixture of evaporated refrigerant and oil to a suction line leading to a compressor, a liquid separator in said line for delivering the oil to some portion of the compressor for lubricating said compressor and for delivering the vaporized refrigerant to the suction of the compressor, substantially as set forth.

2,032,231
OVERFLOW DEVICE
Walter Carl Soellberg, Quincy, Ill.
Application October 20, 1933, Serial No. 694,476
2 Claims. (Cl. 158—37)



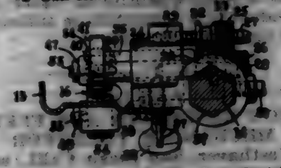
1. In combination with a liquid fuel burner, a constant maximum level fuel feeding means therefor including a housing having an inlet compartment communicating with the source of fuel, a sediment compartment communicating with the burner, a threaded passage connecting said compartments, a detachable cover plate forming a wall of said sediment compartment and having an upwardly extending conduit projecting therefrom in communication with the sediment chamber and an opening in axial alignment with said threaded passage, a valve unit extending through said opening and into engagement with said threaded passage to control the flow of fuel between said compartments and to clamp said cover plate in place, and an overflow device connected to said conduit and operatively positioned relative to said burner to prevent flooding thereof upon the fuel level exceeding said maximum level.

2,032,232
INCANDESCENT LAMP AND METHOD OF MANUFACTURING THE SAME
Royal F. Strickland, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application July 12, 1932, Serial No. 622,268
5 Claims. (Cl. 176—32)



5. An electrical device consisting of a glass enclosure having an electric energy translation element mounted therein and lead wires connected to said element and extending through said enclosure, and a base consisting of an insulating substance molded on said enclosure and having embedded therein the ends of said lead wires, said base having at least one longitudinally extending protuberance at the side thereof, and the embedded end of a lead wire being bent into an angular loop extending outward from the wall of said enclosure and having its midportion exposed at the surface of said protuberance to constitute a terminal.

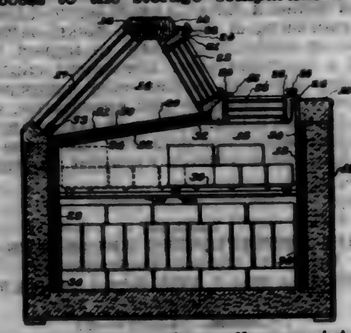
2,032,233
BAND SAW GUIDE
Herbert E. Tautz, Milwaukee, Wis., assignor to Delta Manufacturing Company, Milwaukee, Wis.
Application August 1, 1933, Serial No. 682,206
5 Claims. (Cl. 143—161)



1. A saw guide comprising a bracket having two bores therein, a rod slidably arranged in each bore, an end-thrust bearing carried by one of said rods, means for positively moving said rod in both directions in its bore, the second rod having a forked end, each arm of the fork having a polygonal bore therein, and having lateral-thrust bearing blocks carried slidably in said polygonal bores, and independent means for positively moving said second rod in both directions in its bore.

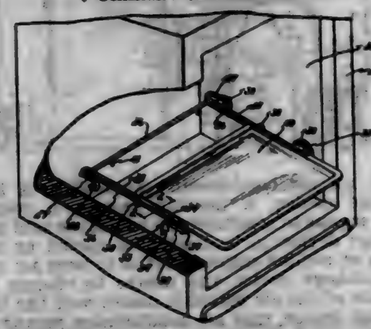
2,032,234
LOW TEMPERATURE DISPLAY CASE
Charles C. Thomas and Don G. Ellis, Detroit, Mich., assignors to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application December 13, 1933, Serial No. 702,167
1 Claim. (Cl. 62—93.5)

A unitary refrigerated show and storage case for low temperature refrigeration comprising a cabinet having heat insulating walls, the upper portion of the cabinet walls being transparent for display purposes, an insulated door providing access to the display portion of the cabinet, an impervious refrigerated floor for the display portion forming the ceiling for the lower portion, additional refrigerating means embedded in the lower insulated walls, said lower portion providing a storage compartment for storing a supply of the food displayed, an insulated door providing access to the storage compartment and a



smooth inner lining thermally associated with said refrigerating means whereby frost may be conveniently removed.

2,032,235
REFRIGERATING APPARATUS
Charles C. Thomas, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application January 15, 1934, Serial No. 706,686
7 Claims. (Cl. 311—152)



1. In a slidable shelf unit adapted to be conveniently mounted in a refrigerator cabinet upon pins projecting from the vertical side walls thereof the combination of, spaced guides adapted to be mounted horizontally in the cabinet, said guides each including a track member and an overlying retaining member, and a shelf slidably carried by the track members below the retaining members, pin engaging portions at the opposite ends of the guides for mounting the guides, said guides at the rear having means arranged to prevent the upward movement thereof.

2,032,236
METHOD OF PRODUCING DECORATIVE SURFACES
Karl Turk, Baltimore, Md., assignor to The Porcelain Enamel & Manufacturing Company of Baltimore, Baltimore, Md., a corporation of Maryland
No Drawing. Application January 26, 1933, Serial No. 654,114
5 Claims. (Cl. 91—73)

1. The process of producing on a base having a copper surface an article having a gold-like appearing vitreous enamel surface comprising producing an acid resisting vitreous enamel capable of forming on firing an enamel of sufficient

transparency to light rays so that the color of the base is visually apparent through the enamel, and containing a metallic oxide selected from the group consisting of iron oxide, nickel oxide, and manganese oxide functioning to impart to the enamel a potential color component capable of combining with the copper color component of the base to produce the gold appearance, applying to the base a thin coating of said enamel and firing to produce the gold-like color, the color of the base being visually apparent through the enamel.

2,032,237

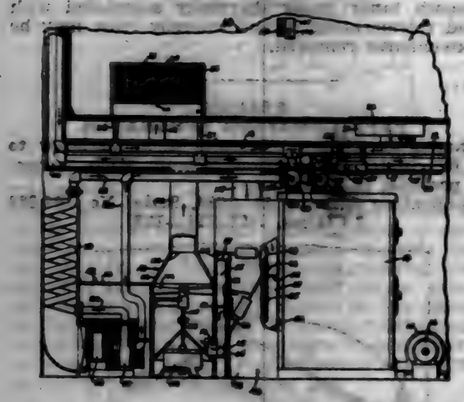
AIR CONDITIONING APPARATUS

Martin G. Torson, Louisville, Ky.

Application May 2, 1932, Serial No. 608,973

Renewed September 17, 1934

7 Claims. (Cl. 257—8)



1. In an air conditioning apparatus, a heat exchange device, a heating means, a cooling means, means to selectively at will cause said heat exchange device to be heated or cooled by said heating or cooling means, means to pass air over said exchange device and means to change the condition of the air before it passes over the heat exchange device, said air conditioning means including an air cleaner, an air humidifier, and an air de-humidifier, means to control the flow of air through said air cleaner, means to control the flow of air through said humidifier, means to control the flow of air through said de-humidifier, a thermostatic means to control the operation of said heating means and said cooling means, electromagnetic means to control the operation of said air cleaning means, electromagnetic means to control the operation of said humidifying means, electromagnetic means to control the operation of said de-humidifying means, and means adjacent said heat exchange device to control the amount of air passing thereover.

2,032,238

CLOTHES WASHING MACHINE

Noble H. Watts, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application December 1, 1930, Serial No. 498,395

9 Claims. (Cl. 259—101)

1. In a fabric washing machine, the combination of a tub adapted to contain a body of water, an agitator for moving the fabric within the tub, said agitator comprising a body, the top of which approximates the level of the water in the tub, a plurality of spaced blades extending radially from the body, the portion of said body between each two blades being inwardly curved from blade to blade to form a substantially continuous concave surface the radius of



the surface increasing from top to bottom with the sides thereof substantially tangential to the sides of the blades, and a shaft for oscillating the agitator.

2,032,239

MANUFACTURE OF AN IMPROVED VITREOUS MATERIAL

Albert William Henry Wedlock, Leyton, London, England

No Drawing. Application June 16, 1925, Serial No. 37,394. In Great Britain October 26, 1912

7 Claims. (Cl. 106—39.2)

1. In the method of manufacturing a vitreous material, the steps of reducing predetermined quantities of boric acid and alkali carbonates to comparatively fine powders, mixing said substances and heating the mixture to a temperature sufficiently high to drive off the water of crystallization and produce a frit, but not high enough to produce fusion or vitrification of the frit, reducing said frit to a comparatively fine powder, admixing said frit with powdered mica of substantially the same fineness as said frit in the presence of a small quantity of water, and heating the product to a temperature sufficiently high to initiate plasticity therein.

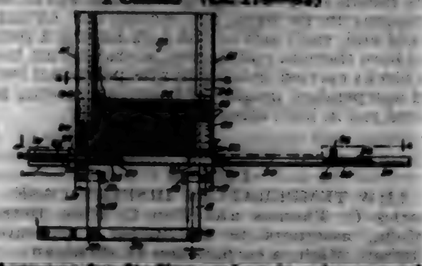
2,032,240

CARBON RESERVOIR AND FEEDING MECHANISM THEREFOR

John L. Westhaver, San Diego, Calif., assignor of fifty per cent to Robert B. Hill, San Diego, Calif.

Application March 24, 1934, Serial No. 717,862

1 Claim. (Cl. 176—61)



A means for feeding carbon to a lamp mechanism comprising a reservoir for supporting carbon sticks in stacked relation, said reservoir having a vertically extending trackway and a carbon receiving trough at the bottom thereof, supporting means for said reservoir for attaching the same to a lamp mechanism and holding the reservoir in proper electing position for feeding a carbon stick to the lamp mechanism, an ejecting plunger located in alignment with said trough and adapted to move longitudinally of the trough for feeding and ejecting a carbon stick from the bottom of the reservoir and longitudinally of said trough, carbon sticks mounted within the reservoir, each carbon stick having interlocking and interfitting means at the ends thereof whereby the carbon sticks may be locked for uniform rotation when placed end to end and while being fed into the lamp mechanism, legs supporting the reservoir, bolts pivotally connecting said legs to the bottom of said reservoir whereby said reservoir may be swung laterally and adjusted to move the reservoir into proper alignment with a lamp mechanism and also be swung to a dumping position.

2,032,241

CONTACTS FOR ELECTRIC CIRCUIT BREAKERS, SWITCHES, CONNECTERS AND THE LIKE

George Ethelbert Whitehead, Rhiwbina, near Cardiff, South Wales

Application December 19, 1933, Serial No. 703,166

In Great Britain January 6, 1933

6 Claims. (Cl. 200—166)



1. An electrical socket contact member, comprising an annular housing and held therein an annulus of closely packed thin flexible lamina each of which is engageable with the one on each side of it along a plurality of longitudinal lines of contact of which at least one line is adjacent the inner edge of the lamina thereby providing a substantially solid wall adjacent to said inner edge and forming a socket member with an effectively continuous resiliently expansible laminated brush form of female contact surface.

2,032,242

FUELS FOR INTERNAL COMBUSTION ENGINES

Samuel Whyte, Redhill, England

No Drawing. Application January 11, 1934, Serial No. 706,295. In Great Britain January 17, 1933

7 Claims. (Cl. 44—9)

1. As a fuel for internal combustion engines, a mixture of a conventional liquid fuel therefor with not substantially exceeding one percent of a monocyclic ketone having a boiling point within the approximate range of 100° C. to 200° C.

2,032,243

SHEET IRON PILING

Otto Wolff, Mannheim, Germany

Application August 25, 1934, Serial No. 741,501

In Germany September 7, 1933

1 Claim. (Cl. 61—62)



A steel piling comprising two members having their marginal edges turned back to present oppositely arranged hook-shaped formations in interlocked engagement with each other, the outer piling edge of one portion being inclined inwardly and provided with parallel inner and outer side faces, a thickened portion on the same member opposite the said piling edge and provided with an inclined surface cooperating with the inner side face of the outer piling edge to form a substantially wedge-shaped recess, the outer piling edge of the other marginal edge portion being enlarged into a wedge-shaped form for snugly engaging the wedge-shaped recess, said enlarged wedge-shaped portion cooperating with the member of which it forms a part to provide a parallel sided recess which snugly receives the first-mentioned piling edge.

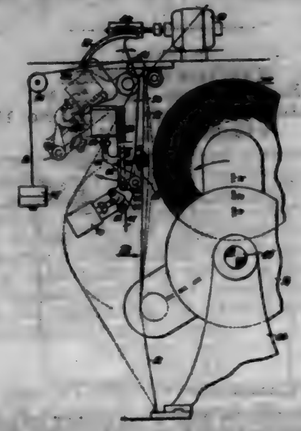
2,032,244

AUTOMATIC SPLICING MECHANISM

Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Application August 11, 1931, Serial No. 556,288

21 Claims. (Cl. 242—58)



6. In a web supply mechanism, a web deflector, means for moving the deflector into contact with the running web, a latch adapted to hold the deflector against a bias tending to force it toward the web, and electro-responsive means actuated by a reduction in the diameter of a running roll and in running engagement therewith for releasing the latch.

2,032,245

FLOW METER

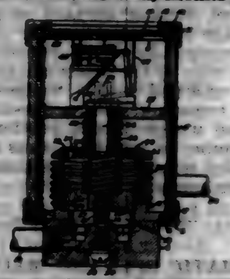
Gaylord H. Wetring, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application February 15, 1933, Serial No. 6,741

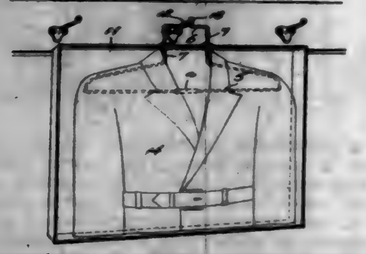
1 Claim. (Cl. 73—197)

In a flow meter, the combination of a casing provided with a partition dividing said casing into two chambers, an indicating mechanism in one of said chambers, an expansible walled casing in the second of said chambers, an outlet opening in said second chamber, an inlet opening in said expansible walled casing, said expansible walled casing having one end rigidly attached to the wall of said second chamber and having the other end provided with an orifice, said other end being movable in response to pressure differences built up by fluid flowing between said inlet and outlet openings through said orifice, means for transmitting the movement of

said movable end to said indicating mechanism, means for adjusting the normal position of said movable end including a pair of springs mounted in said second chamber and said expansible walled casing, respectively, arranged to oppositely affect a movement of said end, means for adjusting said springs including a movable base for the spring in said expansible walled casing and means operable through the wall of said second chamber to move said base whereby the indicating mechanism may be set to its zero position.



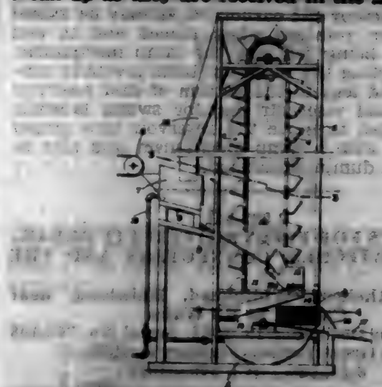
2,032,246
CLOTHES HANGER
John L. Baum, Ephrata, Pa.
Application April 6, 1935, Serial No. 15,329
1 Claim. (Cl. 206—7)



The combination with a container having separably interfitted box body and cover sections, of a garment hanger comprising a hanger frame formed from a single length of wire, a bail bent from one stretch of the wire of said frame, and reversely disposed gripping jaws struck from the bail at opposite sides thereof to accommodate the sections of the container when interfitted with each other and for projecting the bail exteriorly of the container and the frame interiorly of said container.

2,032,247
ORE CRUSHING MILL
George H. Beers, Wabeuka, Nev.
Application October 30, 1934, Serial No. 750,647
6 Claims. (Cl. 83—46)

1. An ore treating mill comprising a vertically disposed endless driven chain, buckets on said chain, the buckets on the upwardly moving run of the chain facing upwardly, means to convey ore to be treated toward the upwardly moving buckets and including an initial intake hopper disposed a considerable distance below the upper end of the chain and means to separate the heavy and small particles of ore from the large lumps and deliver the latter to the buckets from opposite sides of the buckets, a water-retaining sump through which the lowermost buckets pass and into the rear portion of which said small particles are delivered by the conveying means, and means to redeliver the lumps in the buckets to the hopper and arranged so that such lumps tend to break up as they are received in the hopper, the



sump having a vertical screened opening in front of the upwardly moving row of buckets, and a shield plate depending into the sump between the opening and the adjacent buckets.

2,032,248
DOG BED OR THE LIKE
John G. Bins, St. Paul, Minn.
Application March 4, 1935, Serial No. 9,233
20 Claims. (Cl. 119—1)



1. A bed for pets comprising a mattress; and an annular bolster on said mattress having an annular pocket receiving the edge portions of the mattress for connecting said members together.

2,032,249
ABRASIVE SUPPORTING MEMBER AND METHOD OF PRODUCING SAME
Kenneth H. Bowen, Auburn, N. Y., assignor to Columbian Rope Company, Auburn, N. Y., a corporation of New York
Application June 10, 1935, Serial No. 25,895
5 Claims. (Cl. 51—197)

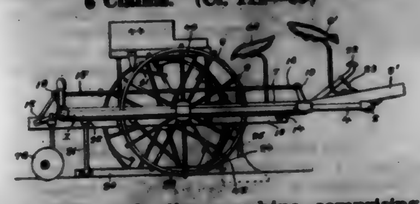


2. An abrasive supporting member comprising a core adapted to be mounted for rotary motion, a fibrous laterally flexible disk-like body extending radially from said core, and a plurality of laterally flexible pins extending radially from said core into said fibrous body.

2,032,250
LEATHER PRODUCT AND A PROCESS OF PRODUCING IT
Bert H. Bower, Gloversville, N. Y.
No Drawing. Application November 14, 1935, Serial No. 49,850
2 Claims. (Cl. 135—6)

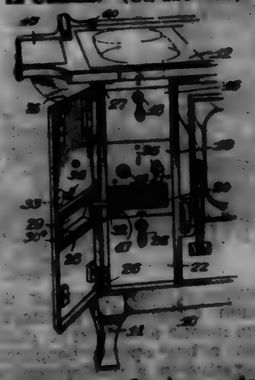
1. A leather product comprising leather treated with a lubricant, an emulsifying agent for the lubricant, glycerin and honey.

2,032,251
POTATO PLANTER
Henry Brooks, Forest Junction, Wis.
Application May 15, 1935, Serial No. 21,629
6 Claims. (Cl. 111—59)



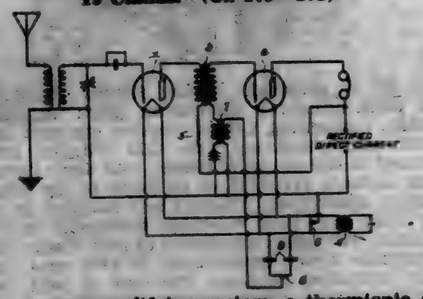
1. A potato planting machine comprising a wheeled frame, a second frame mounted on the first mentioned frame for vertical swinging movement to different horizontal positions, a plow member on said second mentioned frame, a potato planting wheel mounted on said second frame for adjustment by swinging movement of the latter into and out of a furrow dug by said plow and having a relatively fixed axle, and driving connections between one of the frame wheels and said planting wheel rendered effective and ineffective by adjustment of the latter into and out of said furrow, respectively, said connections including a spindle slidable axially of said frame wheel, cooperating clutch members on said spindle and one wheel, respectively, and a universal shaft connection between said spindle and axle.

2,032,252
RANGE
Herbert T. Burrow, Beaver Dam, Wis., assignor to Malleable Iron Range Company, Beaver Dam, Wis., a corporation of Wisconsin
Application May 9, 1935, Serial No. 20,661
12 Claims. (Cl. 126—15)



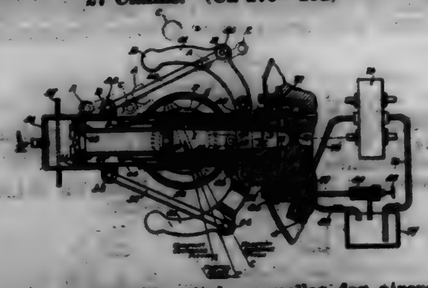
1. A range having a fire box, a draft chamber adjacent the same and in communication therewith, said chamber having a draft opening in the front thereof, a door normally concealing the front of said fire box and of said draft chamber, a draft door in said first mentioned door, a draft door in another wall of said draft chamber and means within said chamber connecting said draft doors, whereby the opening of one of said doors will cause the other door to open simultaneously to admit air to said draft chamber.

2,032,253
AMPLIFYING SYSTEM
Vannevar Bush, Medford, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 8, 1927, Serial No. 204,280
Renewed June 12, 1931
15 Claims. (Cl. 179—171)



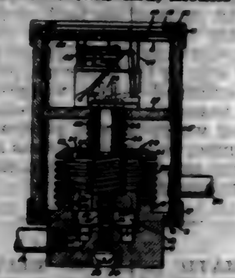
2. In an amplifying system, a thermionic device having a cathode, control electrode and anode, said cathode being energized by alternating current, a potentiometer bridged across the source of said current, means for connecting a tap on said potentiometer with the control electrode of said thermionic device, a reactance net work bridged across said current source, and means for impressing impulses from said net work on the control electrode.

2,032,254
ADJUSTABLE PITCH PROPELLER
Frank W. Caldwell, Pittsburgh, Pa., assignor, by mesne assignments, to United Aircraft Corporation, a corporation of Delaware
Application April 21, 1931, Serial No. 531,685
27 Claims. (Cl. 170—163)



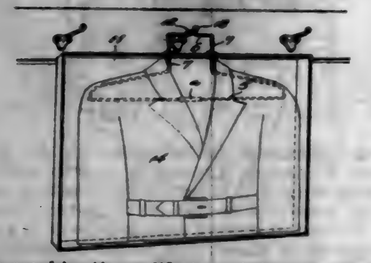
1. A controllable pitch propeller for aircraft, comprising a hub having radially extending arms, propeller blades rotatably journalled around the arms, fluid pressure operated means to move the blades to decrease their pitch at will, and to overcome a contrary tendency of centrifugal force tending to increase the pitch of the blades, and counterweights mounted to revolve with the propeller and operative automatically to increase the pitch of the blades by the action of centrifugal force on the weights when the fluid pressure means is not operative.

said movable end to said indicating mechanism, means for adjusting the normal position of said movable end including a pair of springs mounted in said second chamber and said expansible walled casing, respectively, arranged to oppositely affect a movement of said end, means for adjust-



ing said springs including a movable base for the spring in said expansible walled casing and means operable through the wall of said second chamber to move said base whereby the indicating mechanism may be set to its zero position.

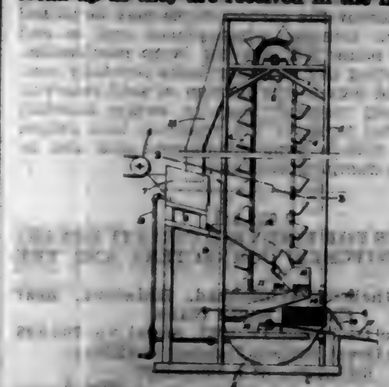
2,032,246
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John L. Hamm, Ephrata, Pa.
Application April 8, 1935, Serial No. 15,329
1 Claim. (Cl. 206—7)



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John O. Bine, St. Paul, Minn.
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20 Claims. (Cl. 119—1)



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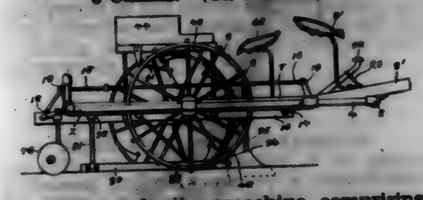


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2,032,250
LEATHER PRODUCT AND A PROCESS OF PRODUCING IT
Bert H. Bower, Gloversville, N. Y.
No Drawing. Application November 14, 1935, Serial No. 49,880
6 Claims. (Cl. 134—6)

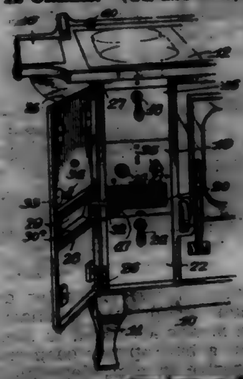
1. A leather product comprising leather treated with a lubricant, an emulsifying agent for the lubricant, glycerin and honey.

2,032,251
POTATO PLANTER
Henry Brooks, Forest Junction, Wis.
Application May 15, 1935, Serial No. 21,619
6 Claims. (Cl. 111—59)



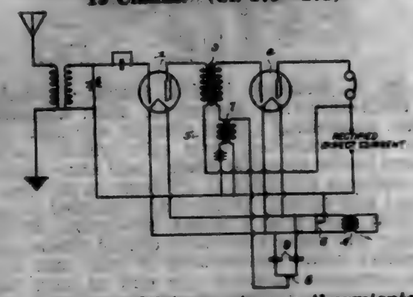
1. A potato planting machine comprising a wheeled frame, a second frame mounted on the first mentioned frame for vertical swinging movement to different horizontal positions, a plow member on said second mentioned frame, a potato planting wheel mounted on said second frame for adjustment by swinging movement of the latter into and out of a furrow dug by said plow and having a relatively fixed axle, and driving connections between one of the frame wheels and said planting wheel rendered effective and ineffective by adjustment of the latter into and out of said furrow, respectively, said connections including a spindle slidable axially of said frame wheel, cooperating clutch members on said spindle and one wheel, respectively, and a universal shaft connection between said spindle and axle.

2,032,252
RANGE
Herbert T. Burrow, Beaver Dam, Wis., assignor to Malleable Iron Range Company, Beaver Dam, Wis., a corporation of Wisconsin
Application May 9, 1935, Serial No. 20,661
12 Claims. (Cl. 126—15)



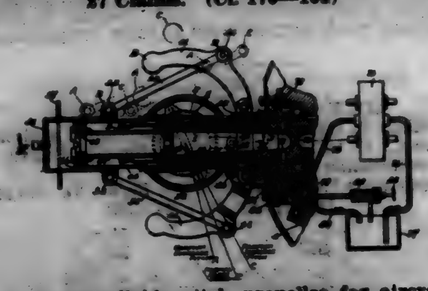
1. A range having a fire box, a draft chamber adjacent the same and in communication therewith, said chamber having a draft opening in the front thereof, a door normally concealing the front of said fire box and of said draft chamber, a draft door in said first mentioned door, a draft door in another wall of said draft chamber and means within said chamber connecting said draft doors, whereby the opening of one of said doors will cause the other door to open simultaneously to admit air to said draft chamber.

2,032,253
AMPLIFYING SYSTEM
Vannevar Bush, Medford, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 6, 1927, Serial No. 204,280
Renewed June 13, 1931
15 Claims. (Cl. 179—171)



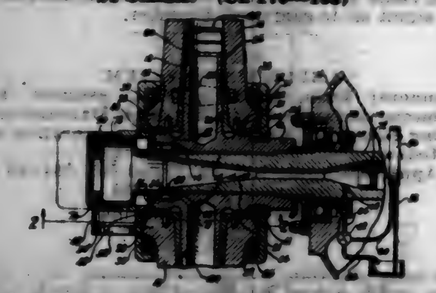
2. In an amplifying system, a thermionic device having a cathode, control electrode and anode, said cathode being energized by alternating current, a potentiometer bridged across the source of said current, means for connecting a tap on said potentiometer with the control electrode of said thermionic device, a reactance net work bridged across said current source, and means for impressing impulses from said net work on the control electrode.

2,032,254
ADJUSTABLE PITCH PROPELLER
Frank W. Caldwell, Pittsburgh, Pa., assignor, by mesne assignments, to United Aircraft Corporation, a corporation of Delaware
Application April 21, 1931, Serial No. 531,685
27 Claims. (Cl. 170—163)



1. A controllable pitch propeller for aircraft, comprising a hub having radially extending arms, propeller blades rotatably journalled around the arms, fluid pressure operated means to move the blades to decrease their pitch at will, and to overcome a contrary tendency of centrifugal force tending to increase the pitch of the blades, and counterweights mounted to revolve with the propeller and operative automatically to increase the pitch of the blades by the action of centrifugal force on the weights when the fluid pressure means is not operative.

2,032,256
PROPELLER
Frank W. Caldwell, West Hartford, Conn., assignor, by mesne assignments, to United Aircraft Corporation, a corporation of Delaware
Application February 13, 1933, Serial No. 656,523
24 Claims. (Cl. 170—163)

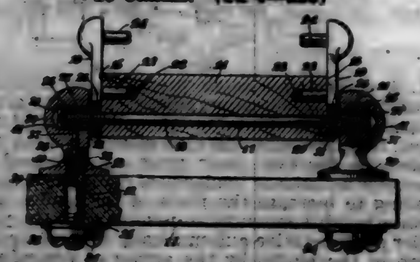


1. In a propeller having blades journaled for pitch-adjusting movement, pitch adjusting means, comprising a fluid pressure operated cylinder, pins projecting from said cylinder, arms secured to the propeller blades, said arms having cam surfaces arranged at an angle to the longitudinal axis of said cylinder and adapted to coact with said pins whereby movement of the cylinder will cause movement of said blades and adjustable stops independent of said cam surfaces arranged adjacent the end of said cam surfaces to limit the movement of said pin.

2,032,256
METAL ARTICLES FOR COATING
Jesse J. Canfield and George W. McGehan, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
No Drawing. Application September 6, 1932, Serial No. 631,754
3 Claims. (Cl. 91—73)

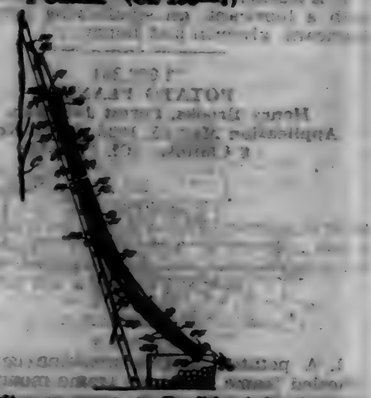
1. An iron or steel article suitable for the reception of vitreous enamel, the surface of which is characterized by deep pits bounded by sharp edged portions and planar type side walls, which is substantially identical with the crystallographic surface produced when an iron or steel article is submerged for forty seconds in eight percent nitric acid solution at room temperature.

2,032,257
LOCK-ON TOILET SEAT HINGE
William A. Carmichael, Hamden, Conn., assignor to C. F. Church Mfg. Co., Chicopee, Mass., a corporation of Massachusetts
Application November 12, 1931, Serial No. 574,583
16 Claims. (Cl. 4—236)



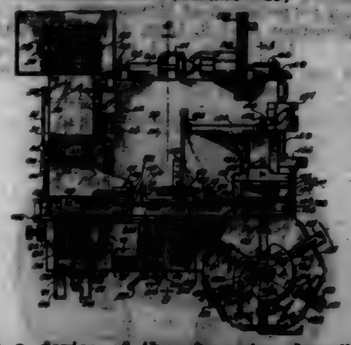
8. A hinge post for a water closet seat comprising an upper body portion and a securing stud threaded into the lower portion of said body portion, said upper portion having a horizontal cylindrical socket therein, and a locking pin concentrically disposed with respect to said stud and extending into said socket.

2,032,258
FRUIT CONVEYER
Thomas Chinn, Millbrook, N. Y.
Application April 18, 1934, Serial No. 16,021
2 Claims. (Cl. 198—7)



In a fruit conveyer, a flexible tube having openings for a distance thereof, a ladder, means fastening the tube with the ladder for the extent of the same having the openings, a swinging gate carried at the lowermost end of the tube, a spring tensioned cable carried by the ladder and connected with the gate for holding the latter closed, and means opening the gate on relieving tension upon said cable.

2,032,259
RECEPTACLE FILLING AND SEALING MACHINE
Austin S. Chandler, Fitchburg, Mass., assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass., a corporation of Massachusetts
Application September 2, 1932, Serial No. 631,941
13 Claims. (Cl. 226—49)



1. In a device of the character described, a loading station comprising a charge forming and discharge means arranged to discharge at a given location, a bag opener cooperative therewith and operative in a predetermined location with respect thereto, a bag presenting, conveying, scoring and sealing train associated with the charge forming and discharge means and bag opener, said train comprising an endless belt, a bag chute extending laterally therefrom open adjacent the belt, said belt having a supporting roller mounted on an axis fixed with respect to the level of the bag chute, means to support bags upright on the belt, a scoring means comprising a yieldingly mounted anvil member, at one side of the path of the belt and a scorer blade at the other side of said path movable against the anvil and beyond a presser member in the path of the anvil and blade constructed to engage and ride thereover, means to operate the presser blade intermittently, and a gripping and sealing device in operative relation to the path of the belt operative to grip bags set upon the belt simultaneously with operation of the scorer blade; said loading station, said scoring and sealing elements being spaced uniformly along the path of the belt, and means to operate the belt intermittently to travel the distance of said spaces and stop for the period of the operations of loading, scoring and gripping, and means to operate the loading, scoring and gripping and sealing devices simultaneously.

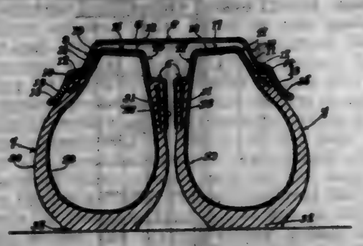
2,032,260
WIRE FEEDING APPARATUS
Verni J. Chapman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 18, 1934, Serial No. 758,043
6 Claims. (Cl. 140—124)



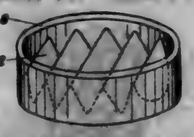
1. Apparatus for feeding wire and the like comprising a support, a plurality of brackets pivotally attached to said support, a plurality of axles rigidly mounted on said support, a plurality of axles mounted on said brackets opposite said axles mounted on said support, feed rolls journaled on said axles, means for positively rotating each of said feed rolls, resilient means for applying pressure to each bracket at a point laterally displaced from its point of pivotal attachment to said support, and means engaging said pressure applying means and said brackets for equalizing the pressures applied to said feed rolls in said brackets by said pressure applying means.

2,032,261
COMBINED FELLY, RIM, AND TIRE STRUCTURE
Floyd N. Clemmons, Collinsville, Ill.
Application September 30, 1935, Serial No. 42,913
11 Claims. (Cl. 152—32)

9. A combined felly, rim and tire structure for a vehicle wheel comprising a felly in the form of an annulus having each of its sides provided with outwardly directed flanges, a rim formed of a pair of oppositely disposed flexible tire elements receiving sections normally spaced from each other and permanently spaced from said annulus, each of said sections formed with an outer and an inner outwardly directed flange, the outer flange of each rim section merging into and encompassed by a flange of the felly, and a tire element mounted in and extended from each rim section.



2,032,262
GAS FILTER
Blanche Ceri, Berlin, Germany
Application February 18, 1935, Serial No. 7,139
In Germany February 13, 1934
4 Claims. (Cl. 183—71)



1. A filter of the character described comprising, in combination, a unitary, hollow, elongated casing composed of hardened moldable material impervious to gas and air; and a filtering layer composed of a single piece of fabric having transverse pleats extending entirely across the layer and secured transversely of said casing intermediate its ends with the edges of the layer imbedded throughout in the wall of said casing to form a gas and air tight seal between said layer and said casing, the imbedded pleated edges maintaining said layer in its pleated form.

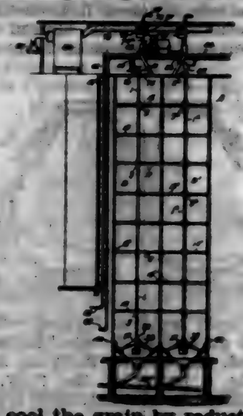
2,032,263
ARSENIC DERIVATIVES OF SUGARS
Paul J. Daughenbaugh, New Haven, Conn., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application February 6, 1933, Serial No. 655,951
8 Claims. (Cl. 260—14)

1. As new products, trivalent compounds of acetone glucose having the arsenic united through oxygen to the third carbon atom of the glucose, and having the arsenic also attached to another oxygen atom by a double bond.

2,032,264
METHOD OF PRESERVING GRAIN IN STORAGE
Jesse H. Davis, Baltimore, Md.
Application January 12, 1933, Serial No. 651,434
10 Claims. (Cl. 99—153)

1. The method of aerating stored grain, which consists in injecting and expanding air under pressure into the local hot spots in the grain so

as to stir up the grain and the air therein directly in the hot spot regions under the air pressure and to cool the grain by reduction of temperature due to air expansion.



2,031,961
ELASTIC BRAID
Robert T. Bowen, Hudson, Mass.
Application July 22, 1932, Serial No. 624,019
11 Claims. (Cl. 66—25)



1. An elastic braid comprising interbraided elastic and relatively inelastic strands, the elastic strands extending about the axis of the braid in substantially smooth uninterrupted intertwined helices, the inelastic strands constituting two distinct sets, the strands composing the two sets being disposed in intercrossing relation, the inelastic strands of each set each comprising a series of projecting bights, said bights being disposed in distinct rows collectively covering and substantially concealing the elastic strands.

2,032,266
COLLAR POINT STIFFENER
Joseph Di Benedetti, Oakland, Calif.
Application November 2, 1933, Serial No. 697,744
9 Claims. (Cl. 2—122)



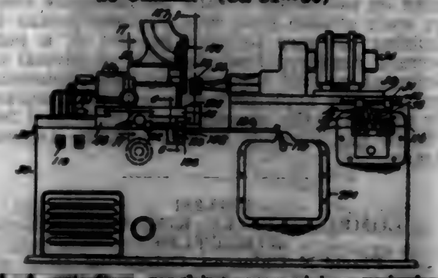
1. In a collar point stretcher for use with different turndown collars having point portions of differing lengths as measured from the fold of the collar, elongated strut members for operative disposal behind collar point portions, a cross-bar element connecting said members in unitary association, and adjustable means to adjust the length of each of said members to conform to the length of the collar point portion to be stretched therewith, and a releasable means for positively maintaining the adjusted length of each of said strut members whereby the member is arranged to operatively extend between the tip of said collar point and said collar fold.

2,032,267
WAGON FOR TRANSPORTATION BY RAIL AND BY ROAD
Julien René Louis Degiorge, Waltrelos, France
Application February 26, 1934, Serial No. 712,224
In France February 27, 1933
7 Claims. (Cl. 105—130)



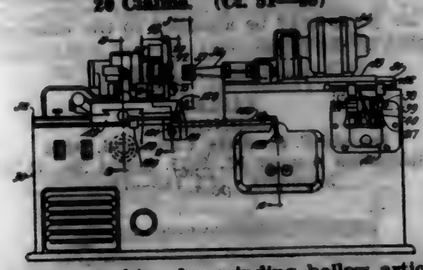
1. A vehicle for transportation by rail and by road comprising in combination a wagon adapted to travel on rail and provided with longitudinal beams, each having upper portions and two downwardly curved portions, two transversal cross members on said wagon carried on said downwardly curved portions, and a removable part comprising a frame, four supports carried by said frame at the corners of a rectangle and rotatably mounted on said frame about vertical axes, a wheel structure carried by each support and rotatably mounted on said support about a horizontal axis, means for rotating said supports, said means being adapted to maintain said supports in two different positions, in which the wheels have their plane in two directions at right angles, one of said directions being parallel to the longitudinal axis of said frame, whereby the removable part is adapted to travel on road, and the other direction being perpendicular to said longitudinal axis, whereby the wheels are adapted to be guided on said transversal cross members on said wagon.

2,032,268
GRINDING MACHINERY
Sol Einstein, Clement Booth, and Frederick S. Haas, Cincinnati, Ohio, assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application June 28, 1929, Serial No. 372,721
28 Claims. (Cl. 51—50)



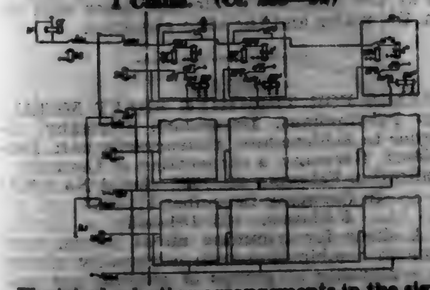
1. A grinding machine comprising a bed, a grinding wheel supported thereby for interior engagement with a work piece, means for rotatably supporting a work piece, means for axially advancing the work piece in the direction of the grinding wheel and means for transversely feeding the work piece in opposition to the operative surface of the grinding wheel, a sizing determinator for engagement with the operative surface of the wheel, and means controlled by the size determinator for laterally and axially withdrawing the work when the same has been ground to predetermined size.

2,032,269
GRINDING MACHINE
Sol Einstein, Clement Booth, and Frederick S. Haas, Cincinnati, Ohio, assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application June 28, 1929, Serial No. 374,556
Renewed October 25, 1932
20 Claims. (Cl. 51—48)



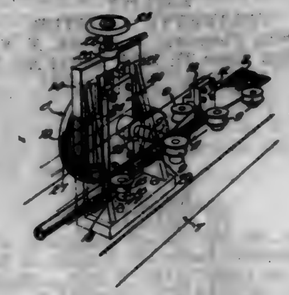
1. In a machine for grinding hollow articles, the combination with a supporting member, of a work rest carried thereby for peripheral engagement with the work piece, a regulating member rotatably mounted on the support in opposition to the work rest for peripheral engagement with the work, means for rotating said member at a slow rate of speed to frictionally control the rotation of the work, a pressure roll in opposition to the work rest and regulating member, means for urging the roll into engagement with a work piece, additional means for urging the pressure roll into released position, an ejector, and connections between the ejector and said additional means for actuating the ejector when the work is released.

2,032,270
ELECTRICAL SELECTING OR CONNECTING DEVICE
John Fredrik Teodor Engblom, Nottingham, England, assignor to Ericsson Telephones Limited, London, England
Application December 29, 1931, Serial No. 583,720
In Great Britain February 28, 1931
1 Claim. (Cl. 225—93)



Electrical selecting arrangements in the signalling system of a totaliser comprising a plurality of start relays, a plurality of signal sending relays, and a plurality of hold-off relays; corresponding relays in each plurality being associated to form sets of three relays, the said sets of relays being associated in groups of sets, a group relay associated with each of the said groups, a circuit for each of the said group relays closed upon the operation of any start relay in the associated group and opened upon the operation of the corresponding signal sending relay, means for extending an operating potential to any one of the said signal sending relays, said means comprising a chain of serially related contacts having a trunk portion comprising contacts of the said group relays and branch portions comprising contacts of the said start relays, each of the said group relays having a contact which controls the release of such of the said hold-off relays as are comprised within the corresponding group, so that after the operation of any given signal sending relay and the subsequent operation of the associated hold-off relay the said hold-off relay is maintained energized so long as any start relay in the same group remains operated without the operation of the corresponding signal sending relay.

2,032,271
PIPE FORMING PROCESS
Winford L. Enghauser, Lebanon, Ohio
Application October 25, 1933, Serial No. 695,155
2 Claims. (Cl. 72—94)

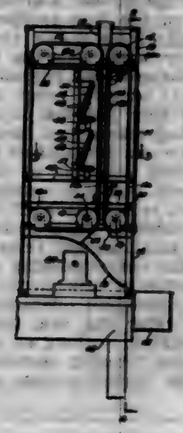


2. The process of forming pipe comprising the steps of; bending a flat strip into the form of a tube and incidentally forming adjacently disposed flanged edges; passing said tube thus formed along a support; and engaging said flanged edges under considerable pressure with the periphery of a disc rotating at a speed sufficient for producing a softening heat in the flanges by virtue of friction caused by the speed and pressure of the disc, and swaging and merging the heated edges by virtue of the pressure applied as described to form a seamless tube.

2,032,272
TOASTING AND SIMILAR APPARATUS
Charles A. Feltman, Brooklyn, N. Y.
Application January 31, 1935, Serial No. 4,324
20 Claims. (Cl. 53—5)

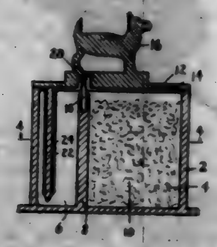
1. A machine of the class described comprising a casing, two endless conveyors in said casing having portions thereof arranged adjacent each other, means for maintaining adjacent portions of the separate conveyors in close proximity to each other and in substantially parallel relation throughout a substantial length of the separate conveyors and to prevent displacement of the conveyors throughout such length, means for operating the conveyors at substantially the same speed from a common driving source with

the adjacent portions thereof travelling in the same direction, and means disposed adjacent



said first named means for radiating heat onto said conveyors.

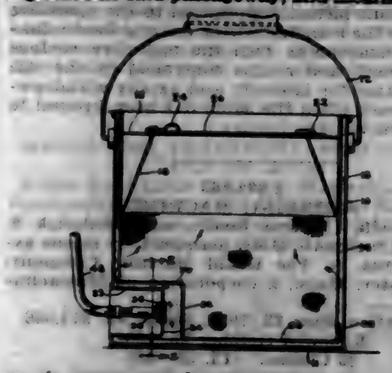
2,032,273
CIGARETTE LIGHTER
Irving Florman, New York, N. Y.
Application June 27, 1934, Serial No. 732,696
4 Claims. (Cl. 67—7.1)



1. A lighter comprising a casing open at its top, smouldering material within said casing accessible for contact by a cigarette through the open top thereof, a striking member carried by said casing adjacent said smouldering material, a cover for closing the open top of said casing and extinguishing said smouldering material, and a flint strip holder extending downwardly from said cover and at an angle thereto, said strip holder being adapted to penetrate into the material through the open top of the casing to rearrange the smouldering material.

2,032,274
LIVE BAIT BUCKET
Peter J. Fenes, Leavenworth, Kans.
Application July 26, 1935, Serial No. 33,227
2 Claims. (Cl. 43—56)

1. A live bait bucket comprising an outer imperforate container, an inner perforate container, an inwardly extending hollow member secured to said outer container, a valve casing secured within said hollow member having a passageway adapted to deliver air directly into water contained in said inner container, an inwardly opening valve in said passageway, and means whereby



an air pump may be attached to the outer end of said valve casing.

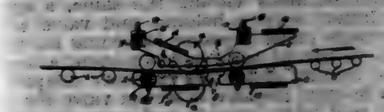
2,032,275
SHINGLE
Donald F. Fradette, Cleveland, Ohio
Application August 12, 1935, Serial No. 35,788
3 Claims. (Cl. 108—17)



1. A roof structure including a felted impervious base layer, plate elements having a hooked-shaped and a notched butt end mounted on said base layer, each plate being provided with a bead adapted to form a dam, intermediate its length and extending the width thereof, hooked-shaped strips, a bead positioned intermediate the length of each strip, and adapted to fit over the bead on the plates to provide a continuous dam, a sound deadener and seal, said sound deadener and seal being associated with the under surface of each strip element, the strip element being superimposed upon the plate elements and covering the joint between the elements, the hook on the strip element engaging a receiving notch provided therefore in the butt of the plate elements, the upper flat portion of the strip element engaging in another receiving notch in the butt of a plate element in the next row above, an edge of the base layer in the row next above overhanging the bead, the bead providing a supporting ledge for said over-hanging edge, the said over-hanging edge adapted to facilitate easy reception of the hooks on the plate elements and the strip elements, and being further adapted to provide a seal at the junction of the base layer with the dam, the plates and the strip elements.

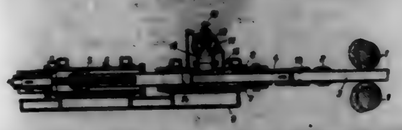
2,032,276
SHEARS FOR TRIMMING SHEET METAL
Louis Frielinghaus, Duesseldorf, Germany, assignor to Schloemann Aktiengesellschaft, Duesseldorf, Germany, a corporation of Germany
Application February 23, 1935, Serial No. 7,859
In Germany December 27, 1933
3 Claims. (Cl. 164—90)

2. A shear for trimming metal sheets, comprising in combination with a plurality of cutters, a plurality of groups of guiding and supporting rollers adapted to engage the sheets from above and below in the direction of feed and disposed along a curve conforming to the longitudinal and transverse curvature of the sheets to be trimmed, and conveying rollers provided in advance of and after said guiding and supporting



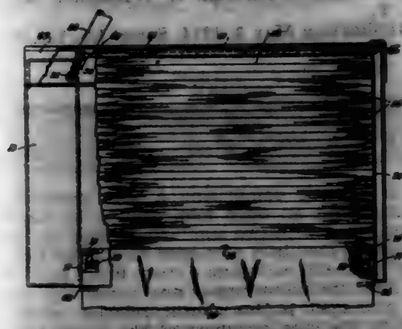
rollers and likewise disposed along a curve conforming to the longitudinal curvature of the metal sheets to be trimmed.

2,032,277
BRAKING DEVICE FOR FEEDING MEANS OF PILGERING MILLS
Josef Gassen, Duesseldorf-Oberkassel, Germany, assignor to Schloemann Aktiengesellschaft, Duesseldorf, Germany, a corporation of Germany
Application July 31, 1934, Serial No. 737,726
In Great Britain August 2, 1933
3 Claims. (Cl. 80—14)



1. In a braking device for the feeding means of pilgering mills, the combination with a cylinder filled with a liquid and a braking plunger adapted to reciprocate in said cylinder and operatively connected with the feeding means, of a closed air-filled vessel in direct communication with said cylinder having a constricted upper portion so disposed as to offer a rapidly increasing powerful resistance to the liquid displaced by said plunger toward the end of the feeding stroke.

2,032,278
MAGAZINE VENDING MACHINE
Andre Grallet, New York, N. Y.
Application May 15, 1934, Serial No. 725,791
3 Claims. (Cl. 312—55)



1. In a machine of the character described, a base the top of which is adapted to support periodicals, a housing telescoping with said base and supported by the periodicals, and means for ejecting the topmost periodical horizontally, said means comprising a U-bar including a cross piece contacting the rear edge of the topmost periodical and means for forwardly shifting said bar to eject the topmost periodical.

2,032,279
TREATMENT OF LUBRICATING OILS
Alan Arnold Griffith and William Helmore, South Farnborough, England, assignors to C. C. Wakefield & Company Limited, London, England, a British company
No Drawing. Application November 9, 1934, Serial No. 752,311. In Great Britain August 1, 1933
2 Claims. (Cl. 87—9)

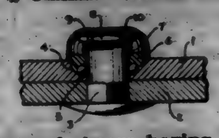
1. A fluid lubricant comprising a lubricating oil having dispersed therein chromium oleate up to 1% by weight of the oil, the said chromium oleate being effective as an anti-sludging agent in an internal combustion engine.

2,032,280
FASTENER
Arthur W. Grosshans and Harry H. Evans, Stockham, Nebr.
Application December 11, 1934, Serial No. 756,897
1 Claim. (Cl. 24—201)



A fastener for garments comprising a flat base piece, a centrally arched piece superimposed upon the base piece, means securing the said pieces in superimposed relation to each other upon a garment, the said pieces having notches registering with each other in alignment with the arch of one of said pieces, a shank releasably insertable between the pieces at the arch and a cross head on said shank and engageable in the notches for holding the shank separably fastened between said pieces.

2,032,281
SHEARS
Jackson S. Haywood, Springfield, Ill., assignor of one-half to Alice E. Haywood, Springfield, Ill.
Application June 6, 1935, Serial No. 25,229
2 Claims. (Cl. 30—13)

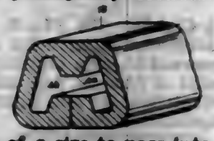


1. In a pair of shears having pivoted blades and respectively integral handles, the improvement comprising a threaded stud defining the pivot means, the outer-most blade provided at its pivot point with a cupped circular recess, a plurality of ball bearings rotatably registering within said recess about said stud, a compresion spring registering over said stud and a plate on the stud defining a cover for the ball bearings and a seat for the spring, an adjustment nut for retaining said spring in selected positions of tension adjustment and a dust-cap threadedly engaging said stud to provide a cover for the spring and ball bearings and to provide a lock nut means for holding said adjustment nut in said selected positions.

2,032,282
ORTHODONTIC ANCHORAGE
Russell E. Irish, Pittsburgh, Pa.
Application October 31, 1925, Serial No. 66,185
5 Claims. (Cl. 32—14)

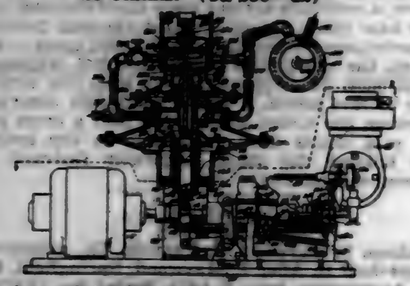
1. In an orthodontic anchorage, a socket member comprising a base wall for attachment to a

tooth-embracing band and a smooth unbroken outer wall extending from one side to the other side of the base wall and defining therewith an internal socket having an open end, two of the opposite walls of said socket member having opposing inset longitudinal ribs spaced apart and dividing the socket into spaced chambers with a connecting passageway between them, and a



plug member of a size to pass into the open end of the socket, said plug member having spaced longitudinal portions and a reduced neck portion connecting the same, said portions fitting snugly in the chambers and passageway respectively and engaging the walls thereof with sufficient frictional engagement to hold the plug member against normal accidental displacement.

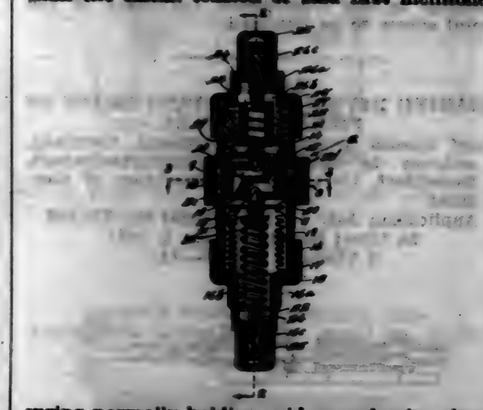
2,032,233
PRESSURE OPERATED REGULATOR FOR BURNERS
Wayburn E. Johnston, Minneapolis, Minn.
Application June 18, 1932, Serial No. 618,077
26 Claims. (Cl. 236—82)



2. A regulator having in combination, a member movable with substantially no friction, a diaphragm surrounding and attached to said member adapted to be moved by air pressure in one direction, a spring against which said member is moved, a second diaphragm coaxial with said member adapted to be moved in one direction by air pressure, a spring for moving said second member in the opposite direction, a valve part carried by said first mentioned member, a cooperating part carried by said second diaphragm, said parts being adapted to be moved out of registry by movement of said first mentioned member and into registry by movement of said second diaphragm whereby said second diaphragm is moved in fixed ratio to the movement of said first mentioned member, means creating a pressure in accordance with the temperature produced by a burner for moving said first mentioned diaphragm and member, and means for regulating the fuel supplied to said burner and/or the air supplied to said burner actuated by said second member.

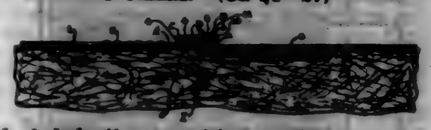
2,032,234
PRESSURE REGULATING VALVE
Wayburn E. Johnston, Minneapolis, Minn.
Application May 6, 1933, Serial No. 669,760
8 Claims. (Cl. 137—153)

1. An oil control valve for an oil burner having in combination, a casing having a chamber therein to which oil is supplied, a passage leading from said chamber adapted to be connected to the nozzle of an oil burner, a valve controlling said passage and normally closing the same, a spring under initial tension holding said valve closed but movable under pressure exceeding its initial tension to permit said valve to open, a second passage leading from said chamber adapted to form a by-pass passage, a second valve for controlling said latter passage and normally closing the same, a spring under initial tension much less than the initial tension of said first mentioned



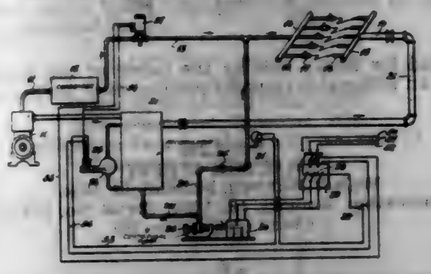
spring normally holding said second valve closed but movable under pressure exceeding its initial tension to permit said second valve to open, said last mentioned spring being of much greater cross-sectional area and of much shorter length than said first mentioned spring, said last mentioned spring thus compressing more slowly than said first mentioned spring whereby said second valve will be permitted to open at a lower pressure than said first mentioned valve and upon decrease of pressure from a point above the opening pressure of said primary valve said primary valve will close before said second valve.

2,032,235
BALE TIE
Ernest F. W. Keibl, Jr., Medina, N. Y., assignor of one-half to Bertram W. O'Donnell, Medina, N. Y.
Application May 3, 1934, Serial No. 723,788
5 Claims. (Cl. 24—37)



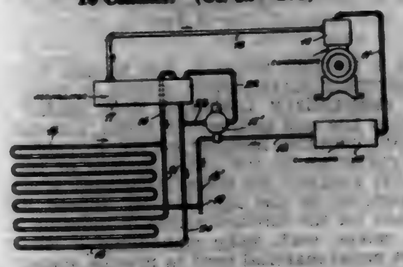
1. A bale tie comprising a wire provided at one end with an open loop and at its opposite end provided with two similarly formed oppositely disposed members arranged in side by side relation and each including a front brace portion of loop form including upper and lower side members arranged in horizontal relation with respect to the side members of the front loop of the opposite similarly formed member and a rear upper loop forming upper and lower side members corresponding to the upper and lower side members of the upper rear loop of the opposite similarly formed member to form the bill of the hook, each of said similarly formed members having a shank portion extending rearwardly from substantially the middle of said hook in side by side relation, the lower side members of the upper rear loop being curved and cooperating with said shank portions to provide a restricted throat for the hook to receive said open loop and holding the outer end of the open loop between the same substantially intermediate the ends of the hook, the front brace portions of the hook lying on the bale tie adjacent the loop to brace the bill of the hook against accidental bending when the tie is operatively bound about the bale.

2,032,236
REFRIGERANT LIQUID RETURN SYSTEM
William R. Kitzmiller, Waynesboro, Pa., assignor to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania
Application April 30, 1935, Serial No. 19,662
7 Claims. (Cl. 62—115)



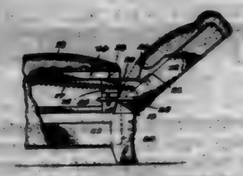
1. In a refrigerating system including an evaporator and a high pressure liquid line for supplying liquid refrigerant to said evaporator, means for separating entrained liquid refrigerant from the suction gas, means in the high pressure line for cutting off the supply of liquid refrigerant to the evaporator, means for returning the accumulated liquid refrigerant to said evaporator, and means subject to the liquid in the accumulator for controlling the supply of liquid refrigerant to the evaporator.

2,032,237
REFRIGERANT FEED CONTROL
William R. Kitzmiller, Waynesboro, Pa., assignor to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania
Application April 30, 1935, Serial No. 19,664
10 Claims. (Cl. 62—178)



1. A method of refrigeration comprising supplying liquid refrigerant, evaporating a portion of said liquid refrigerant, withdrawing the vaporous and entrained liquid from the place of evaporation, separating liquid from the vapor, evaporating a portion of the separated liquid, withdrawing the vaporous and entrained liquid from the second place of evaporation, separating liquid from the vapor, equalizing the liquid level between the two separated liquids, and utilizing part of the entrained liquid from the second separation for a subsequent evaporation.

2,032,238
RECLINING CHAIR
John Kuss, Chicago, Ill.
Application October 13, 1934, Serial No. 748,332
1 Claim. (Cl. 155—163)



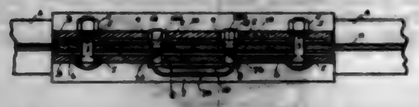
A chair of the class described comprising a frame, an arm rail at one side of said frame, a back hingedly secured to said frame, tension means anchored at one end to said arm rail and secured at its opposite end to the back near the lower end of the back and adapted to normally hold the back in a raised position, a spring metal elongated flat guiding strip engaging the under face of said arm rail and having one end fixedly secured to said back, said guiding strip normally lying flat throughout its entire length against the under face of said arm rail when said back is in a raised position, said strip being longitudinally slotted, a securing pin passing through said slot and engaging said arm rail, said pin limiting the longitudinal movement of said strip as said back is moved to and from a raised position, said spring metal guiding strip being adapted to flex at a point near its connection with said back when the back is swung to a reclining position and when the point of connection of said strip with the back is moved to a plane below the normal position of the strip whereby downward pull upon the securing pin will be minimized, and said frame having a clearance formed therein through which said tension means and guiding strip pass to be secured to said back.

2,032,239
HYDRAULIC SHOCK ABSORBER FOR VEHICLES
Charles Lacroix, Brussels, Belgium
Application November 15, 1934, Serial No. 753,222
In Belgium November 16, 1933
4 Claims. (Cl. 188—89)



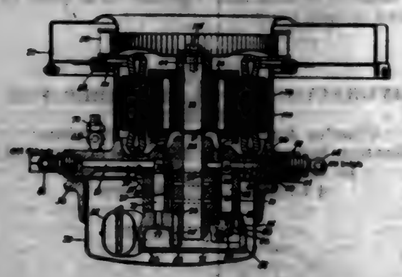
1. In a hydraulic shock absorber for vehicles, the combination of a casing, a shaft in said casing, a circular wall dividing the inside of said casing into a central circular chamber and an outer annular chamber, two pairs of blades mounted for independent limited angular motion on said shaft, the outer ends of said blades having a substantially fluid-tight engagement with the inner surface of said circular wall, a pair of arms pivoted on said shaft and connected each to one of said pairs of blades, means for closing both said chambers in a fluid tight manner, and a permanently open passage connecting said chambers with each other through constricted holes on either side of each of said pairs of blades.

2,032,250
RAIL BOND
Arthur L. Lee, Gibsonia, Pa.
Application August 30, 1933, Serial No. 687,418
3 Claims. (Cl. 173—283)



1. In a conducting assembly for electrical current flow from rail to rail, the combination of two abutting rails having each an opening in the web thereof adjacent the end of the rail, a conducting U-bolt having a hight spanning the interval between the web openings of adjacent rails and shanks extended through said openings, a nut on each of said shanks in the region which is projected through the web opening of a rail, a tapered rail-contacting portion on each nut terminally of a cross-sectional area to enter the web opening of the rail contacted by it, the nuts being of a conductive metal which is of a hardness sufficiently greater than the hardness of the rail to cause deformation of the rail metal rather than deformation of the nut metal when the nuts are forced at high pressure into contact with the wall of the web opening, and resilient means exerting a constant force adequate to maintain a high pressure contact between the nuts and the rails.

2,032,291
PUMPING APPARATUS
Walter O. Lum, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 26, 1934, Serial No. 737,643
12 Claims. (Cl. 103—7)



1. Pumping apparatus including a cylindrical tank, a pump mounted eccentrically inside the tank on the top wall thereof for pumping liquid into the tank, and a liquid by-pass control valve mechanism for the pump having a sector shaped float nested in the space provided between the pump and the tank.

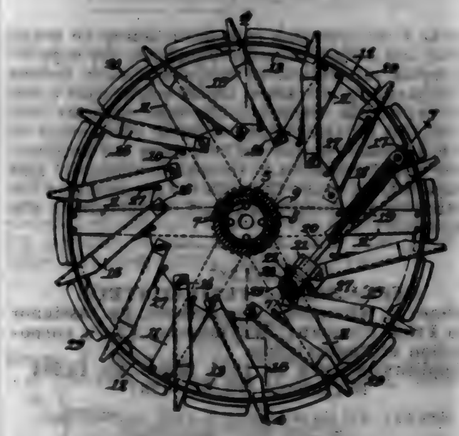
2,032,292
SLEEVE HOLDER
John B. Mease, Lawrence, Mass.
Application September 13, 1934, Serial No. 743,967
2 Claims. (Cl. 24—14)

2. In combination with a band having a relatively thin elongated shank rigid longitudinally and yieldable transversely, spaced heads carried by the shank at its respective ends, each head having a reduced neck for securing the head to the shank, the heads being adapted to fit under the fabric of a sleeve to permit the holding of the sleeve in an adjusted length, and a spring clip removably fitted about the shank of each



head for firmly holding the fabric of the sleeve in an adjustable clamped position over the heads.

2,032,293
TRACTOR WHEEL
Walter Maxwell, Marshfield, Wis.
Application January 19, 1934, Serial No. 707,461
1 Claim. (Cl. 301—46)



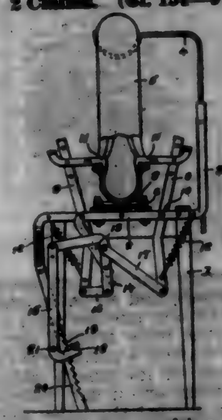
In a traction wheel, a hub section having a transversely curved outer surface, a felloe having substantially U-shaped slots, spokes connecting the hub section and felloe, a circumferentially movable member curved to conform to the curvature of the outer surface of the hub section whereby the movable member is secured in position on the hub section, spaced flanges formed on the circumferentially movable member, spikes, each spike embodying a length of sheet metal material bent to provide spaced longitudinal flanges, said flanges tapering towards the inner ends thereof, said spikes having cutaway portions accommodating the flanges of the circumferentially movable member, the flanges of the spikes resting on opposite sides of the flanges of the circumferentially movable member, coiled springs connected to the flanges of the circumferentially movable member, the outer ends of the springs being connected to the spikes and mounted within the spikes, and means to retain the circumferentially movable member for extending or retracting the spikes.

2,032,294
ELECTRIC HEATING PAD
Chester R. McDonald, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 11, 1933, Serial No. 693,118
2 Claims. (Cl. 219—46)



1. An electric heating pad comprising a supporting body made of flexible waterproof material, a resistance heating element secured to said body, a flange extending around the periphery of said body, said flange being integral with said body and made of the same material as said body, and a liquid absorbent pad secured to said body by said flange.

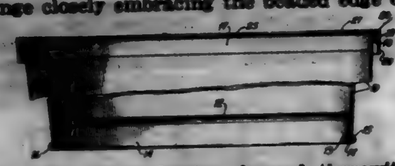
2,032,295
TIRE SPREADING MACHINE
Alfred Molmert, Roscobel, Wis.
Application June 8, 1934, Serial No. 729,711
Renewed June 26, 1935
2 Claims. (Cl. 154—9)



1. A tire spreading machine comprising a bench, a horizontally arranged member secured to the bench, tire supporting means carried by said member, levers pivoted to said member and extending above and below the latter, jaws to engage opposite walls of the tire adjustably connected to said levers, springs between the levers and the member for urging the jaws towards each other, a rack bar carried by said member, an operating lever associated with the rack bar, a bracket carried by said member, an L-shaped arm pivoted to said bracket, links pivotally connecting the arm to said first-named levers, and a pivotal connection between the operating lever and said arm.

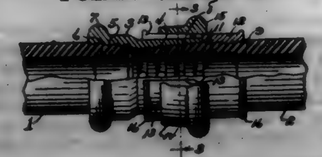
2,032,296
CONTAINER
Anton M. Meier, Menasha, and Ronald L. Drake, Appleton, Wis., assignors, by mesne assignments, to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application February 12, 1931, Serial No. 517,344
2 Claims. (Cl. 220—43)

1. In a container of the class described, the combination of a body provided around the exterior of its upper edge with a marginal bead, and a cover consisting of a disk-shaped body portion and a downwardly extending converging flange closely embracing the beaded edge of the



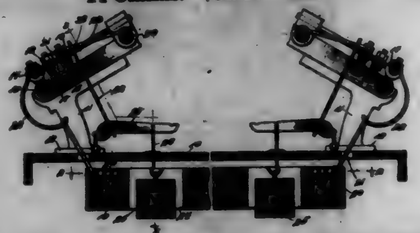
body, the flange having formed therewith inwardly extending tongue portions bent at an angle thereto and secured to the cover disk.

2,032,297
COUPLING
John Mikulasek, Newton, Iowa, assignor to Vaclav Lesa, Coraopolis, Pa.
Application December 3, 1934, Serial No. 755,804
1 Claim. (Cl. 285—75)



A coupling comprising a sleeve having a flared bore, a tapered elastic nipple to fit within the tapered bore of the sleeve, a perforated ferrule fitted in the nipple and having transverse corrugations, a collar fitted around the base of the nipple, resilient fingers extending from the collar to encircle the sleeve, and means to compress the fingers about the sleeve.

2,032,298
WEIGHTING MEANS FOR SPINNING FRAMES
Charles Merten, Pawtucket, R. I.
Application March 24, 1932, Serial No. 600,869
14 Claims. (Cl. 19—135)

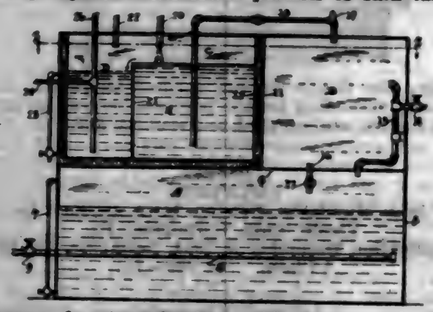


1. In a spinning machine, a support, a pair of spinning units positioned back to back on said support, each having pairs of draft rolls, a common weight extending between said units and below said support for applying pressure to one of the pairs of rolls of each unit, and additional weighting means for one of the other pairs of draft rolls located horizontally below said support and having its center of mass in a plane passing vertically through the center of mass of said common weight.

2,032,299
SOLVENT RECOVERY DEVICE
George A. Mott and Celia C. Jones, Santa Monica, Calif.; said Jones assignor of his right to Harry H. Lynn, Los Angeles, Calif.
Application December 11, 1934, Serial No. 757,027
2 Claims. (Cl. 196—15)

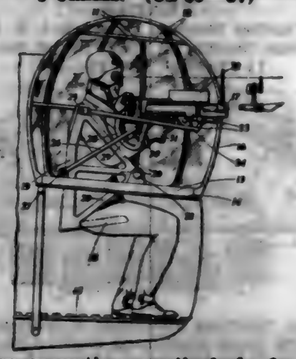
1. In a device of the character described, capable of separating a solvent from sludge, a

tank, a horizontal partition formed in said tank, a portion of said tank above said partition being divided into a pair of chambers, one of said chambers being insulated from the other of said chambers, live steam heating means for generating vapors in the lower portion of said tank,



means for transferring said steam and said vapors to the un-insulated chamber of said tank, means for passing said steam and said vapors to said insulated chamber, and washing means for separating said steam and said vapor so as to wash and remove the lighter solvents from said steam.

2,032,560
GUN MOUNTING, PARTICULARLY FOR AIRCRAFT
Clifford Vernon Murray and John Lloyd, Coventry, England, assignors to Sir W. G. Armstrong Whitworth Aircraft Limited, Coventry, England
Application July 3, 1935, Serial No. 29,716
In Great Britain November 8, 1933
5 Claims. (Cl. 89—37)



1. A gun mounting, particularly for an aircraft, comprising a shell through which the gun can be fired, a frame for supporting the gun, a seat for the gunner pivotally mounted for support directly upon said shell, said frame being pivotally mounted directly upon said seat, and a link interconnecting said frame and shell such that the weight of said seat is opposed to that of said gun and frame.

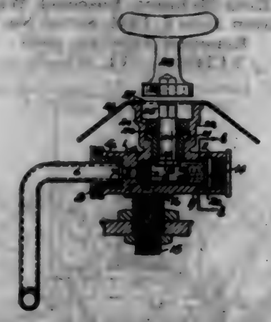
2,032,561
METER TEST BLOCK
Thomas J. Newman, Canton, Ohio
Application January 20, 1932, Serial No. 587,892
7 Claims. (Cl. 200—162)

7. An electrical terminal block comprising a base, two conducting fingers mounted on said base with their ends spaced from each other, and two plates slidable on one of said fingers, one on each side of the finger upon which it slides,



and a single means for binding said plates and fingers into electrical connection in circuit closing position.

2,032,562
VALVE
Anton Novotny, Detroit, Mich., assignor to Detroit Gray Iron Foundry Company, Detroit, Mich., a corporation of Michigan
Application August 8, 1934, Serial No. 738,994
2 Claims. (Cl. 251—46)

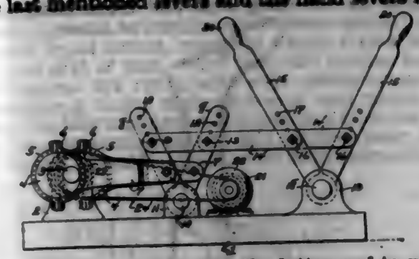


1. A valve comprising an apertured body having an inlet passage and an outlet passage angularly disposed to one another and a valve seat formed within the body around the outlet passage, a plunger having a peripheral cavity therein intermediately of its length slidable in said body, a valve member on one extremity of the plunger to bear against the valve seat and close the outlet passage, a tubular branch opening into the hollow body farther from the outlet passage than the inlet passage is from the latter, said member being resilient and having a sliding fit in the body aperture so that when said member is moved from its seat and a flow of liquid passes from the inlet to the outlet passage the liquid forces the member into intimate contact with the enclosing wall of the aperture and prevents an escape of the liquid to the branch, a spindle rotatable in the branch, and an eccentric on the inner extremity of the spindle resting in the plunger cavity so that rotation of the spindle moves the plunger axially.

2,032,563
EXERCISING MACHINE
Nick Orgitano, Lebanon, Pa.
Application December 4, 1934, Serial No. 755,964
3 Claims. (Cl. 272—56)

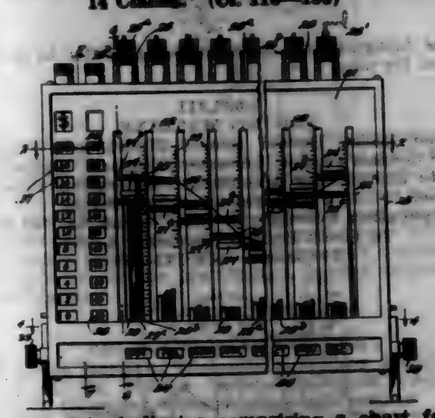
2. An exercising machine comprising a base, a pair of hand levers pivotally secured and rising from the base, a shaft journaled with respect to the base, arms eccentrically mounted with respect to the shaft, levers pivotally mounted and rising from the base and having the arms pivotally connected thereto, and links adjustably secured to

the last mentioned levers and the hand levers re-



spectively for reciprocating the latter and to vary the throw thereof.

2,032,564
DATA INDICATOR
Benjamin Lewis Padgett, Brooklyn, N. Y.
Application January 30, 1932, Serial No. 654,899
14 Claims. (Cl. 116—135)



1. A data indicator comprising a chart face having slots, coordinate-indicating means, a series of movable point-indicating devices, screw means arranged at the rear of the respective slots, nuts on the screw means and a carrier arm extending through a slot and connecting each nut with its point-indicating device.

2,032,565
DISPENSING DEVICE FOR COLLAPSIBLE TUBES
François Poulin, Sherbrooke, Quebec, Canada, assignor of one-half to Leopold Chevalier, Sherbrooke, Quebec, Canada
Application October 2, 1935, Serial No. 43,461
In Canada September 3, 1935
2 Claims. (Cl. 251—90)



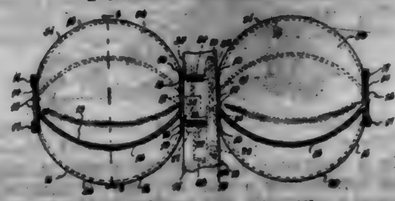
1. In a collapsible tube having an opening in its top, a cap rotatably connected with the top and having an opening in its top, a longitudinally movable closure member in the cap having a part for closing the opening in the cap and means whereby rotary movement of the cap in one direction will move the closure member to closing position and rotary movement in the opposite direction will move said closure member to open position.

2,032,566
POINTER MOUNTING ARRANGEMENT FOR MEASURING INSTRUMENTS
William H. Pratt, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application November 12, 1931, Serial No. 574,607
1 Claim. (Cl. 73—151)



In an indicating instrument, a moving element therefor, a shaft carrying said moving element, a control spring attached to said shaft, a sleeve surrounding said shaft, a pointer carried by said sleeve, a spring of greater stiffness than said control spring and having one end attached to said sleeve and the other end attached to said shaft, thereby serving as a yieldable connection between said sleeve and said shaft, biasing said pointer to a given position with respect to said moving element, and means preventing said pointer from overhauling said moving element in a given direction comprising a pin attached to said shaft and a second pin attached to said sleeve, said pins being in contact in the normal relative position of said sleeve with respect to said shaft to which the sleeve is biased.

2,032,567
FOLDING AEROPLANE WING
Leander F. Prevette, Thomasville, N. C., assignor of one-half to B. T. Prevette, Lexington, N. C.
Application September 5, 1935, Serial No. 39,324
4 Claims. (Cl. 244—12)

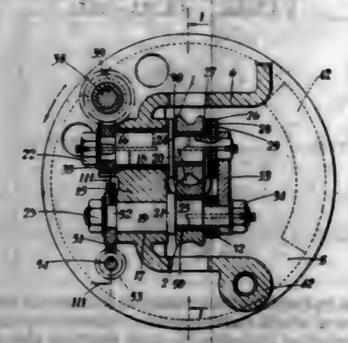


1. An aeroplane wing or the like comprising a continuous frame, frames engaged therewith and movable in opposite directions, means operable to maintain the frames in folded condition, a covering passing through the first mentioned frame and secured adjacent its margin to each of the other frames, cranks on the movable frames, a pitman connecting said cranks, and spring means urging closing movement of the movable frames.

2,032,568
ROLLER CLOSING DIE ARRANGEMENT FOR USE IN STRANDING MACHINES
Reginald Edward Pritchard, Old Trafford, and Isaac James McAlpine, Urmston, England, assignors to W. T. Glover and Company Limited, Manchester, England, a British company
Application May 1, 1935, Serial No. 19,248
In Great Britain May 4, 1934
9 Claims. (Cl. 117—50)

1. In a rotating stranding head for use in a

machine for the manufacture of pre-spiralled non-circular strand, a bearing, a roll shaft rotatably mounted in said bearing with one end overhanging the bearing, a roll in the form of a ring rotatably mounted on the overhanging end



of the said roll shaft, a slipping coupling interposed between the roll shaft and the roll, means for imparting rotation to the roll shaft, and at least one other roll rotatably mounted in the head and co-operating with the first said roll to form a closing die.

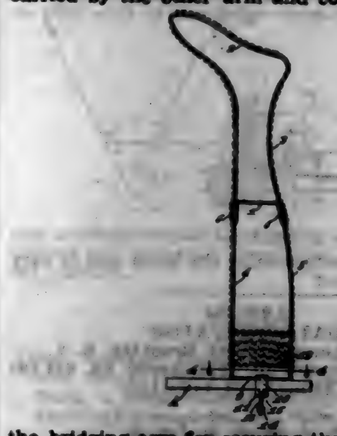
2,032,309
SERVICE JACK
Ottis H. Rechard and Oscar F. Kuhlman, York, Pa., assignors, by mesne assignments, to American Chain Company, Inc., New York, N. Y., a corporation of New York
Application January 26, 1932, Serial No. 588,970
28 Claims. (Cl. 254—2)



1. In a hydraulic jack having a ram, a single casting comprising a ram cylinder, a pump cylinder and a reservoir, the bottom of the reservoir being integral with the bases of the two cylinders, said casting having a single bore therein for connecting the pump and ram cylinders, and valves in one end of said bore for controlling the flow of fluid between the reservoir, the pump and the ram.

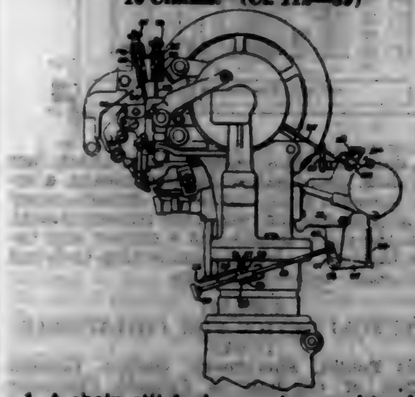
2,032,310
HOSIERY DRIER
Joseph F. Reinert, Quakertown, Pa.
Application August 6, 1934, Serial No. 738,749
1 Claim. (Cl. 223—75)

A hosiery drier comprising a frame including upper and lower sections and shaped to conform to the shape of a stocking, means for detachably securing the sections together, a substantially rectangular base frame formed on the lower end of the lower section and extending at right angles thereto, a bracket including spaced parallel arms and having one of the arms bridging and secured to the base frame, and screw clamping means carried by the other arm and cooperating with



the bridging-arm for securing the drier in position for use.

2,032,311
SEWING MACHINE
Fred Hicks, Harold Ernest Elliott, and Frank Coleman Chaloe, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 6, 1934, Serial No. 706,910
In Great Britain November 4, 1933
10 Claims. (Cl. 112—59)

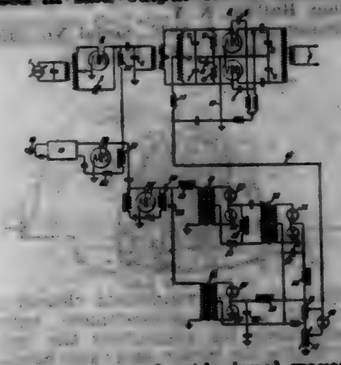


1. A chain stitch shoe sewing machine having, in combination, stitch forming devices, a thread tension wheel located at the back of the machine, a spring to restrain the rotation of the tension wheel, means acting in timed relation to the stitch forming devices for connecting and disconnecting the wheel and spring during each stitch forming cycle, means extending to the front of the machine conveniently accessible to the operator for adjusting the tension of the spring, and an indicating device visible to the operator while at the front of the machine and actuated by said adjusting means for indicating the amount of tension placed on the spring.

2,032,312
CARRIER WAVE SIGNALING SYSTEM
Andrew D. Ring, Washington, D. C., assignor to General Electric Company, a corporation of New York
Application May 19, 1927, Serial No. 871,857
9 Claims. (Cl. 179—171)

1. In combination, an electron discharge device

having an input circuit, a grid and an output circuit, means to supply carrier wave oscillations to said input circuit, means to supply a fixed bias to said grid of such value that said carrier wave oscillations are reproduced with relatively small intensity, a source of signal waves, and means to vary the bias supplied to said grid in a direction to increase the intensity of said carrier wave reproduced in said output circuit in accordance



with the envelope of said signal waves, means whereby the carrier wave is modulated with the form of said signal wave, whereby the constant component of the modulated carrier wave is limited to said relatively small intensity and means whereby when the envelope of said signal waves exceeds a predetermined amplitude said constant component of the transmitted carrier becomes modulated.

2,032,313
PRODUCTION OF ESTERS
Heinrich Bertsch, Chemnitz, Germany, assignor to H. Th. Böhme Aktiengesellschaft, Chemnitz, Germany, a corporation of Germany
No Drawing. Application January 29, 1930, Serial No. 424,456. In Germany February 6, 1929
15 Claims. (Cl. 260—99.12)

1. The process of producing esters of sulphonated carboxylic acids comprising reacting a carboxylic acid having not less than 10 carbon atoms and selected from the group consisting of unsaturated and hydroxy fatty acids, a monohydroxy alcohol of low molecular weight and an intensive sulphonating agent at a temperature less than 15° C.

6. The process of producing esters of sulphonated carboxylic acids, comprising sulphonating and sulphating a carboxylic acid having not less than 10 carbon atoms and selected from the group consisting of unsaturated and hydroxy fatty acids by means of an intensive sulphonating agent and esterifying said carboxylic acid with a monohydroxy alcohol, the sulphonation and sulphation being effected in the presence of an anhydrous lower fatty acid radical compound selected from the group consisting of lower fatty acids, their anhydrides and chlorides.

2,032,314
ESTERS OF SULPHONATED CARBOXYLIC ACIDS
Heinrich Bertsch, Chemnitz, Germany, assignor to the firm H. Th. Böhme Aktiengesellschaft, Chemnitz, Germany
No Drawing. Original application January 29, 1930, Serial No. 424,456. Divided and this application September 1, 1933, Serial No. 687,913. In Germany February 6, 1929
9 Claims. (Cl. 87—13)

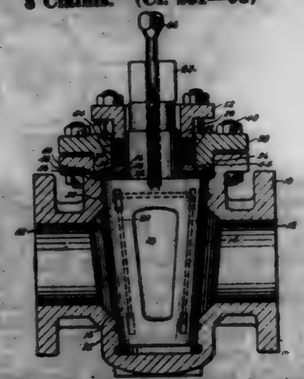
1. The process of producing esters of sulphonated carboxylic acids, which comprises reacting an alkyl derivative of sulphuric acid with a carboxylic acid having more than 10 carbon atoms at a relatively low temperature, whereby products which are esterified in both the sulpho and carboxyl groups are obtained.

2,032,315
ROTARY OPERATIVE FASTENER INSTALLATION AND FASTENER FOR THE SAME
Raymond O. Chaffee, Belmont, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application June 12, 1933, Serial No. 675,586
2 Claims. (Cl. 85—5)



3. The combination with a pair of relatively thin superposed apertured members of a rotary operating sheet metal fastener member, said fastener member having a body portion located at one side of one of said apertured members, and yieldable finger members located beneath said body portion and securing said members together, said fingers being located directly opposite each other and extending toward each other from adjacent to an edge of said body portion inwardly beneath and spaced from it except where they join the body portion, and then through the apertures in said apertured members and being face to face in contact with each other and then extending outwardly from each other to form hook-like portions engaging and overlying one of said apertured members the intermediate bent portions of said opposed fingers being in contact with each other to prevent the ends thereof from moving toward each other a sufficient distance to allow the fastener to be withdrawn when in locked position, said finger members together with said hook-like portions being yieldable as a whole relative to the body portion and throughout their lengths to adjust the fastener member to various thicknesses of apertured members.

2,032,316
VALVE
Charles H. Cotten, Kewanee, Ill., assignor to Walworth Patents Inc., Boston, Mass., a corporation of Massachusetts
Application April 28, 1934, Serial No. 722,840
8 Claims. (Cl. 251—93)



1. A valve comprising a casing having a valve seat, a valve member engaging said seat, a cover

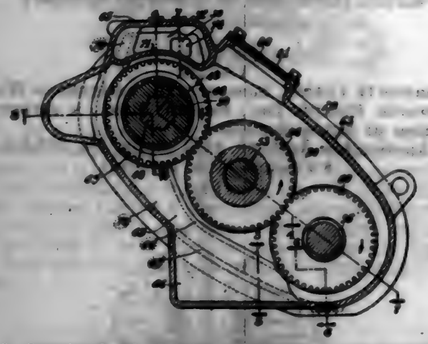
secured to the casing, a stem extending from the valve member adjacent said cover and defining a shoulder on said valve member, sealing means interposed between the casing and the cover and extending to the valve stem, means for seating the sealing means against the shoulder, and means adapted to engage the cover and maintain the sealing means seated independently of the first said means.

2,032,317
COFFEE MAKER
Hugo Frank, Hartford, Conn., assignor to The Silex Company, a corporation of Connecticut
Application February 5, 1935, Serial No. 5,087
25 Claims. (Cl. 53—3)



1. A seal for coffee makers or the like comprising a seal body of yieldable material having an external sealing area receivable in a lower bowl neck and having an axial passage adapted to receive and seal on upper bowl stem, said passage having a sealing portion and having a lower portion of increasing diameter extending to the lower end of said passage.

2,032,318
TRANSMISSION GEARING
Arthur W. Herrington, Indianapolis, Ind., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind., a corporation of Indiana
Application February 25, 1935, Serial No. 7,978
1 Claim. (Cl. 184—11)



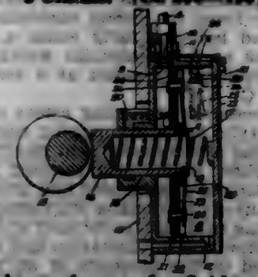
A front-wheel driving train for automobiles comprising, a casing embodying an oil retaining sump, a multiplicity of gear-carrying shafts arranged in an inclined series, a train of successively meshing gears carried by said shafts with the lower portion of the lowest gear in said sump, an oil passage formed within said casing with its lower end in the plane of and tangentially to the periphery of the lowermost gear, in position to receive oil discharged tangentially therefrom and to deliver said oil to the periphery of the uppermost gear, a wall hugging the periphery of the uppermost gear with its upper end above said uppermost gear, said wall forming an upwardly directed continuation of said oil passage toward bearings within the casing.

2,032,319
WINDSHIELD CLEANER
Erwin C. Herton, Hamburg, and Henry Hueber, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application June 2, 1932, Serial No. 615,249
3 Claims. (Cl. 121—97)



1. A fluid operated windshield cleaner motor provided with a valve compartment, automatic valve mechanism for controlling the operative supply of fluid to the motor, said valve mechanism including an oscillatable valve member having spaced movement limiting portions, means for operating the valve member back and forth, a stop pin disposed on the motor in the path of movement of and between said limiting portions, and a ring of cushioning and sound deadening material loosely mounted upon the stop pin and between said limiting portions for alternate engagement and movement thereby on said stop pin whereby to silence the arresting action of said valve member at the end of each oscillation thereof.

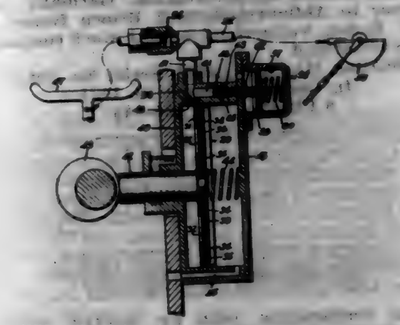
2,032,320
PUMP
Henry Hueber, Buffalo, and Erwin C. Herton, Hamburg, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application February 11, 1933, Serial No. 656,439
5 Claims. (Cl. 230—190)



1. A high speed pump for fluid operated automotive accessories, comprising a piston, a cylinder casing therefor having an inlet port at one side of the piston and an outlet port at the opposite side thereof, said piston comprising a fixed plate, a relatively movable cup packing in which the plate is normally nested for pumping, said packing having its flange in packing engagement with the inner wall of the casing and yieldable therefrom to by-pass fluid from the inlet side to the outlet side of the piston on one stroke of the latter, and resilient means holding the plate and cup packing in nested relation but permitting movement of the packing from the plate to form a passage through the piston to avoid an abnormal pressure differential on the

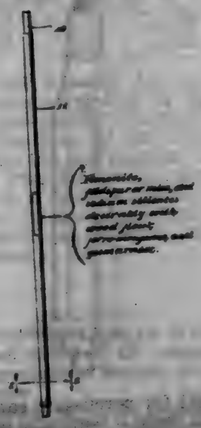
piston, said cup packing having an opening normally closed by seating on the fixed plate of the piston.

2,032,321
ACCESSORY SYSTEM FOR MOTOR VEHICLES
Henry Hueber, Buffalo, and Erwin C. Herton, Hamburg, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application March 9, 1932, Serial No. 597,865
10 Claims. (Cl. 230—190)



1. A pump for exhausting fluid from a conduit, said pump comprising a casing having a cylinder, a check valved connection from the conduit to the cylinder, a piston in said cylinder permitting uni-directional fluid flow therethrough, a second cylinder on said pump casing, a piston in said second cylinder having a rod controlling the passage of fluid through said first piston, resilient means for moving said second piston in one direction, and fluid connection with said conduit to said second cylinder for moving said second piston against said resilient means.

2,032,322
FLUX-COATED ELECTRODE
Paul R. Judy, Muncie, Ind., assignor to Indiana Steel & Wire Company, Muncie, Ind., a corporation of Indiana
Application April 10, 1934, Serial No. 719,846
2 Claims. (Cl. 219—8)



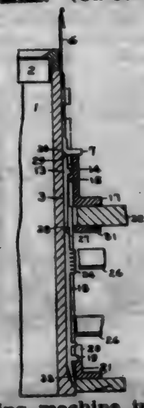
1. A weld-rod having a coating containing ilmenite, mica, and a binder silicate, with each of the first two forming from 10% to 40% of the total of the three.

2,032,323
LADY'S GARMENT
Harriet S. Kohler, Larchmont, N. Y., and Frances R. MacKinnon, Westport, Conn.
Application September 23, 1935, Serial No. 41,646
5 Claims. (Cl. 2—73)



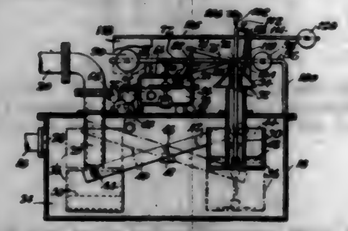
1. A body garment having waist and skirt portions made from a blank having a central portion and side portions, the grain of the central portion of said blank being substantially on the straight, a plurality of elongated darts extending inwardly and convergingly from the side edges of said blank, the side edges being secured together so as to form a waist-encircling portion, the darts extending from the rear of the garment and through the underarm sections in the waist section of said garment, the material between said darts being disposed on the bias with respect to the front median line of the garment.

2,032,324
KNITTING MACHINE AND METHOD OF KNITTING
Robert H. Lawson, Pawtucket, and Arthur N. Cloutier, Lonsdale, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application May 28, 1931, Serial No. 540,774
18 Claims. (Cl. 66—50)



1. In a knitting machine including a needle bed, means for selecting needles including jacks mounted within the slots of the needle bed, said jacks adapted to be laterally displaced whereby the needles, companion to the jacks laterally displaced, are not selected, while the needles companion to the jacks not laterally deflected are selected, means movable with each needle, and cooperating means formed on each jack, one of the two means last mentioned having a cam formation whereby the jacks are laterally displaced upon relative movements of the two last mentioned means.

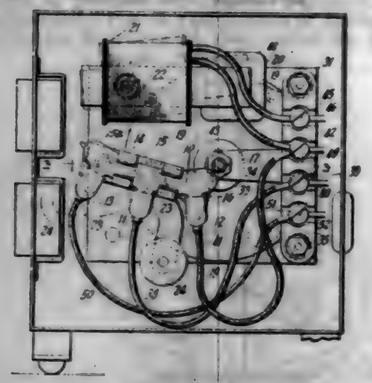
1,032,325
PRESSURE RELIEF VALVE
Wilbur G. Laird, Pleasantville, N. Y., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware
Original application June 15, 1931, Serial No. 544,484. Divided and this application January 12, 1935, Serial No. 1,545
4 Claims. (Cl. 277—13)



1. A valve structure comprising a gas chamber, an inlet to said chamber, a normally closed outlet from said chamber and a normally open outlet therefrom, two upright bucket containers for sealing liquid, each adapted to serve as a sealing valve for one of said outlets, a diaphragm movable in response to pressure variations within said gas chamber, and means responsive to a movement of said diaphragm operatively connected to said buckets for simultaneously sealing the normally open outlet and opening said normally closed outlet.

2,032,326
OSCILLATORY MOTOR
George H. Leland, Dayton, Ohio, assignor to The Leland Electric Company, a corporation of Ohio
Application November 10, 1928, Serial No. 494,570
37 Claims. (Cl. 172—126)

1. In a device of the character described, a



mercury tube switch mounted for oscillating movement under electrical power controlled by its own circuits, and an inertia wheel operatively connected with said switch to control the frequency of said oscillations.

23. In a device of the character described, a mercury tube switch, a supporting member for said switch mounted for tilting movement, an induction motor comprising a rotatable disk and an electro-magnet for rotating said disk, said disk being arranged to function as an inertia wheel when said electro-magnet is deenergized, and means for operatively connecting said disk with said supporting member, said electro-magnet being adapted to be so connected with said switch that the circuit through the same will be broken by the movement of said supporting member in one direction and said disk caused to function as an inertia wheel to control the movement of said supporting member after said circuit has been broken.

2,032,327
ELECTRIC LOCOMOTIVE WITH INDIVIDUAL AXLE DRIVE
Wilhelm Oerlel, Berlin-Steglitz, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland
Application March 14, 1932, Serial No. 598,718
In Germany March 14, 1931
6 Claims. (Cl. 105—49)



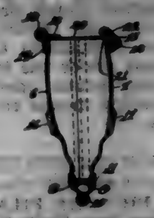
2. In combination with an electric vehicle having a plurality of driving axles journaled in a non-swiveling frame in such manner as to subject the intermediate ones of said axles to greater load pressures than the load pressures exerted on the end ones of said axles, of motors for driving each of said axles, and means for causing the motors for driving the intermediate ones of said axles to exert a materially greater driving torque thereon than the driving torques exerted on the end ones of said axles by the motors for driving the latter of said axles whereby the guiding of said vehicle is facilitated during propulsion thereof.

2,032,328
DRILL BIT
Melvin E. Reedy, Tulsa, Okla., assignor to Franklin G. Reedy, Warren, Ind.
Application December 19, 1933, Serial No. 703,118
15 Claims. (Cl. 255—61)



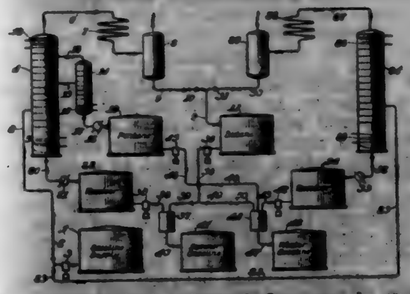
5. A drill bit for percussion earth boring comprising a drill body, a conically tapered end surface, arcuate projections triangular in radial cross section permanently attached to and projecting from a portion of the conical surface in stepped relation to act as cutters.

2,032,329
MOLD
Karl Anton Max Reiche, Dresden, Germany, assignor to T. C. Weygandt Company, New York, N. Y., a corporation of New York
Application June 29, 1935, Serial No. 29,962
2 Claims. (Cl. 107—19)



1. A mold for melted chocolate comprising a pair of relatively thin sheet-metal mold sections hingedly secured to each other and having their edges in generally abutting relation to each other when the mold is closed, and a relatively thin sealing strip, distinct from the sheet-metal of the mold sections, secured to and extending around the marginal zone of one of the sections at said edge thereof, overlapping said edge and adapted, when the mold is closed, to overlap said edge of the other section.

2,032,330
GASOLINE MANUFACTURING PROCESS
Joseph K. Roberts and Morris T. Carpenter, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application March 30, 1934, Serial No. 718,257
14 Claims. (Cl. 196—11)



2. A motor fuel adapted for use in warm weather comprising a mixture of hydrocarbons boiling within the gasoline boiling range and containing hydrocarbons of the aliphatic series beginning with butane and pentane and substantially free from propane contamination, characterized by having a ratio of pentane hydrocarbons to butane hydrocarbons less than one and more than 0.11 and between about 7 and 18 percent evaporated at 158° F.

2,032,331
DISPLAY CONTAINER FOR WRENCHES
Theodore O. Raub, Chicago, Ill., assignor to Sherman-Klove Company, Chicago, Ill., a corporation of Delaware
Application October 22, 1931, Serial No. 570,562
5 Claims. (Cl. 206—34)

1. A container of the character set forth, having a bottom and upwardly projecting walls, one of said walls having inwardly projecting means for engagement with sockets or the like, a retainer and means for securing the retainer to the bottom whereby it will move laterally when moved lon-



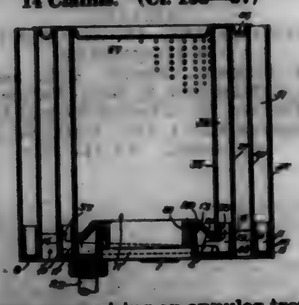
gitudinally, said retainer serving to assist in holding parts in the container.

2,032,332
LIQUID FUEL BURNER
Ralston M. Sherman, Glastonbury, Conn., assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn., a corporation of Connecticut
Application November 24, 1928, Serial No. 321,624
23 Claims. (Cl. 158—87)



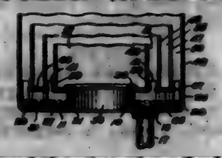
1. A liquid fuel burner comprising a burner base having inner and outer fuel grooves therein, an open duct connecting said grooves, means for supplying fuel to said grooves, said base having air supply openings between said fuel grooves and also an air supply opening within said inner groove, a removable cover for said base having openings registering with said air openings and said fuel grooves and adapted to cover said duct, and pairs of spaced, perforated, continuous walls presenting between them a combustion chamber registering with each of said fuel grooves, said walls being supported by said removable cover.

2,032,333
RANGE BURNER
Ralston M. Sherman, Glastonbury, and Frederick F. Neumann, West Hartford, Conn., assignors to The Silent Glow Oil Burner Corporation, Hartford, Conn., a corporation of Connecticut
Application December 20, 1929, Serial No. 415,470
14 Claims. (Cl. 158—97)



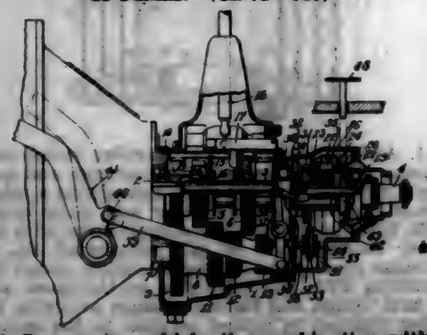
1. A burner comprising an annular trough body having a central opening therethrough and having a dividing wall, the latter comprising a raised arc-shaped lip forming inner and outer channels, fuel supply means communicating with the inner channel back of said arc-shaped lip, an annular cover plate having a portion closely interfitting with and supported by the inner wall of said trough and having a flange overlying the inner channel in spaced relation to the bottom wall of said inner channel and to the dividing wall to form a relatively narrow opening therebetween, a foraminate chimney erected on and supported by the overhanging peripheral edge of the flange, and a second foraminate chimney erected at the outer side of the trough.

2,032,334
LIQUID FUEL BURNER
Ralston M. Sherman, Glastonbury, Conn., assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn., a corporation of Connecticut
Original application November 24, 1928, Serial No. 321,624. Divided and this application February 17, 1931, Serial No. 516,396
14 Claims. (Cl. 158—37)



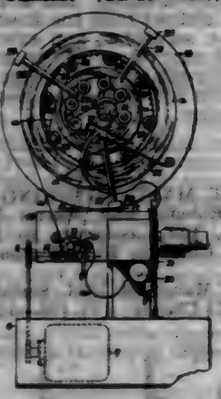
1. A burner of the class described having pairs of spaced concentric annular combustion tubes forming spaced inner and outer combustion chambers with an intermediate air chamber and an inner air chamber enclosed by the inner combustion tube, a base having spaced annular upstanding walls presenting between them concentric, spaced, inner and outer fuel chambers underlying and communicating each with one of said combustion chambers, the inner one of said fuel chambers being of greater width than the outer one and extending laterally beyond the limits of the inner combustion chamber said base having openings for admitting air to the said air chambers, a removable wall overlying and forming with the laterally extending part of said wider fuel chamber a covered vaporizing space with its removable wall exposed to heat from the walls of the overlying air chamber, said removable wall having its peripheral edge adjacent the inner combustion chamber in spaced relation to the wall of said wider fuel chamber to provide an annular opening establishing the communication between said inner fuel and combustion chambers, and means for supplying fuel to said outer fuel chamber through said inner fuel chamber and vaporizing space.

2,032,335
FREEWHEELING ATTACHMENT FOR AUTOMOBILES
John M. Simpson, Muncie, Ind., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 4, 1931, Serial No. 534,849
15 Claims. (Cl. 74—243)



1. In a motor vehicle, the combination with a power plant, of a propeller shaft, an engine clutch interposed between said power plant and said propeller shaft, a transmission for operating said propeller shaft at a plurality of speeds and in a reverse direction interposed between said power plant and propeller shaft, means for affording a one-way drive from said power plant to the propeller shaft, means for locking out said last mentioned means to effect a two-way drive between the power plant and the propeller shaft, means biasing said lock out means in one direction, means operated by either the operating means for the engine clutch or for the transmission for placing said biasing means under tension, means for restraining the operation of said lock out means under the influence of said biasing means and means operated from the transmission operating means for releasing said restraining means.

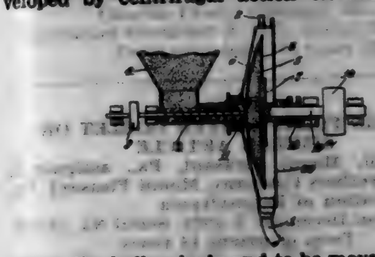
2,032,336
MOVING PICTURE FILM REEL
Theodore O. Strauss, New York, N. Y., assignor to Casteel Research Laboratories, Inc., New York, N. Y., a corporation of New York
Application May 5, 1934, Serial No. 724,176
4 Claims. (Cl. 88—18.7)



2. In motion picture film reels, the combination of a projector, an upright supporting plate carried by said projector, a series of rollers journalled in a circle about a common centre on said plate, an endless film carried as a coil on said series of rollers, means for rotating said rollers to wind the coil, means feeding the film from said coil through the projector, a second series of rotating rollers on the supporting plate journalled concentrically with the first series of rollers having an annular space between the two sets of rollers and adapted to wind a second coil of the film from the projector and to feed said second coil to the first coil, and means for feeding the film from the projector to the said second coil.

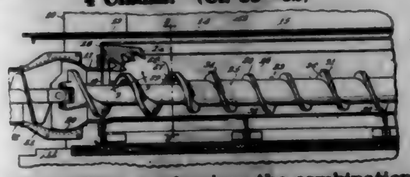
2,032,337
CONVEYING PULVERULENT MATERIAL
Mikael Vogel-Jørgensen, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application June 22, 1933, Serial No. 27,877
In Great Britain July 6, 1932
5 Claims. (Cl. 302—36)

1. In an apparatus for conveying pulverulent material, the combination of a housing, a conveying conduit connected to the housing, means to supply fluid under pressure to the housing, a hollow body mounted within the housing, means to rotate the hollow body, means to supply the material to the hollow body at the central portion thereof, and a valve applied at the outer edge of the hollow body and adapted to yield outwardly under the influence of the pressure developed by centrifugal action on the material



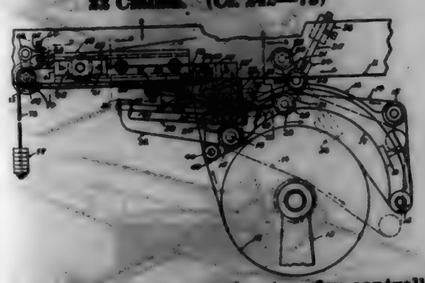
within the hollow body and to be moved to closed position by pressure in the chamber of the hollow body.

2,032,338
STOKER CONVEYER
Howard P. Anderson, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application January 3, 1933, Serial No. 649,851
4 Claims. (Cl. 88—52)



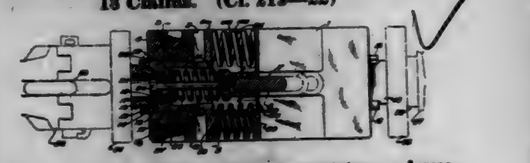
1. In a stoking mechanism, the combination of a trough having a fuel receiving opening, a crusher member in said trough at the forward end thereof, a conveyer screw mounted in said trough for advancing fuel therethrough, said conveyer screw adjacent said crusher member having a bead formed on its impelling face extending outwardly from its peripheral edge and a bead formed on its impelling face radially inward of said peripheral bead.

2,032,339
WEB ROLL CONTROLLING MECHANISM FOR PRINTING MACHINES
Harry V. Ball, Concord, Mass., assignor to Irving Trust Company, permanent trustee for R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application December 9, 1931, Serial No. 701,618
22 Claims. (Cl. 242—75)



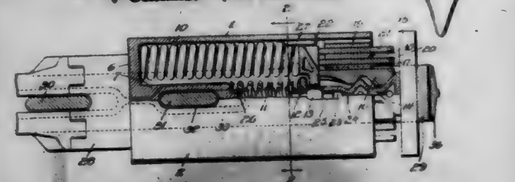
17. Web tensioning mechanism for controlling the web feed to a printing machine, comprising a roller engaging a loop in the web, means for carrying the roller and biasing same to press against the web, a movable support, friction means movable with the support and engaging the peripheral surface of a web roll, a lever connected to move the support, and a weight movable on the lever and connected to the roller carrying means.

2,032,340
DRAFT RIGGING
Donald S. Barrows, Rochester, N. Y., assignor to The Symington Company, Rochester, N. Y., a corporation of Maryland
Application July 12, 1929, Serial No. 378,694
13 Claims. (Cl. 213—22)



2. Cushioning mechanism comprising a housing with a pair of side walls connected by a transversely extending partition disposed intermediate the ends thereof, a longitudinal partition connecting said pair of side walls and merging with said transverse partition, the ends of said housing being open, friction elements in each end of said housing, spring means for resisting movement of said elements, said friction elements comprising a central wedge member and wedge means engaging opposite sides thereof, said spring means comprising release springs acting on said central wedge member and engaging the end of said longitudinal partition, and means for holding the parts of the mechanism assembled with the housing.

2,032,341
CUSHIONING MECHANISM
Donald S. Barrows, Rochester, N. Y., assignor to The Symington Company, Rochester, N. Y., a corporation of Maryland
Application January 23, 1931, Serial No. 510,791
7 Claims. (Cl. 213—22)



7. Cushioning mechanism comprising a housing, friction elements at opposite sides of said housing, friction shoes engaging said elements, means in said housing forming an abutment, a wedge engaging said shoes, a spring disposed centrally of said housing and acting on said wedge, said abutment having a face engaged by said spring, pairs of springs on opposite sides of said first-mentioned spring and acting on the respective shoes, and extensions on opposite sides of said abutment and merging into said housing, said extensions being spaced from opposite side walls of said housing for accommodating the springs of said pairs, said abutment, extensions, and portions of the housing into which said extensions merge being apertured for receiving a connecting draft key.

DESIGNS

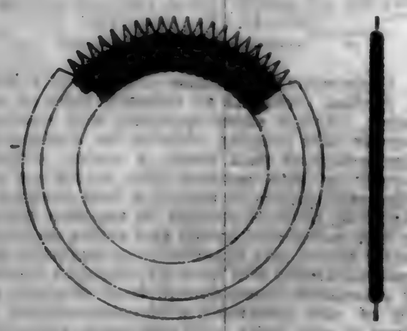
FEBRUARY 25, 1936

96,637
DESIGN FOR A SHOE
Thomas E. Atkins, Cliftondale, Mass., assignor to Schoinick Shoe Co., Jamaica Plain, Mass., a corporation of Massachusetts
Application January 13, 1936, Serial No. 60,553
Term of patent 3½ years



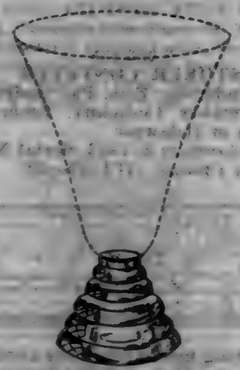
The ornamental design for a shoe, substantially as shown and described.

96,638
DESIGN FOR A WREATH
Abraham J. Barsean, Brooklyn, N. Y.
Application May 21, 1935, Serial No. 54,929
Term of patent 14 years



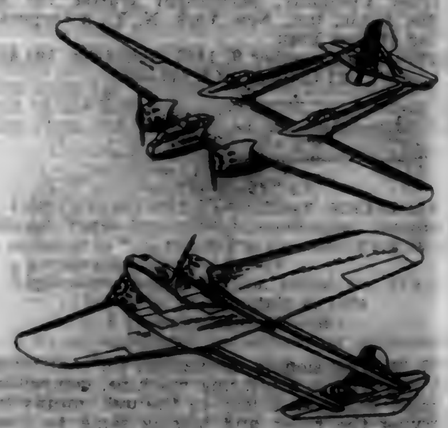
The ornamental design for a wreath, as shown.

96,639
DESIGN FOR A FOOTED GOBLET OR SIMILAR ARTICLE
Elmer Bell, Mount Pleasant, Pa., assignor to Bryce Brothers Company, Mount Pleasant, Pa., a corporation of Pennsylvania
Application December 3, 1935, Serial No. 59,961
Term of patent 14 years



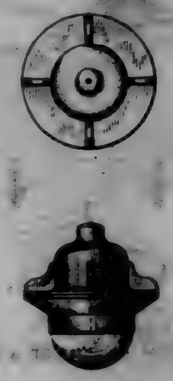
The ornamental design for a footed goblet or similar article, substantially as shown and described.

96,640
DESIGN FOR AN AIRPLANE
Vincent J. Burnelli, Keyport, N. J., assignor to Burnelli Aircraft, Ltd., a corporation of Delaware
Application February 19, 1935, Serial No. 55,491
Term of patent 3½ years



The ornamental design for an airplane, as shown.

96,641
DESIGN FOR A BALL FLOAT VALVE
Charles Crary, Chicago, Ill.
Application December 9, 1935, Serial No. 59,959
Term of patent 3½ years



The ornamental design for a ball float valve, substantially as shown.

96,642
DESIGN FOR A BOX
Ira Cole, Park Ridge, N. J., assignor to Mittag & Volger, Incorporated, Park Ridge, N. J., a corporation of New Jersey
Application December 28, 1935, Serial No. 60,219
Term of patent 14 years



The ornamental design for a box, substantially as shown.

96,643
DESIGN FOR A DISPLAY LIGHT FOR AN AUTOMOBILE
Doyle Duff, Burrton, and John C. Elliott and Jacob J. Flickinger, Halstead, Kans.
Application November 5, 1935, Serial No. 59,397
Term of patent 14 years



The ornamental design for a display light for an automobile, as shown.

96,644
DESIGN FOR AN ELECTRICAL HUMIDIFIER
Philip E. Edelman, Chicago, Ill.
Application November 6, 1935, Serial No. 59,463
Term of patent 3½ years



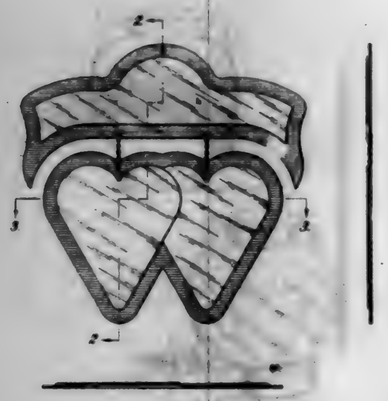
The ornamental design for an electrical humidifier, as shown.

98,665
DESIGN FOR A PLANT CONTAINER
Leon H. Elmer, San Jose, Calif.
Application December 16, 1935, Serial No. 60,606
Term of patent 7 years



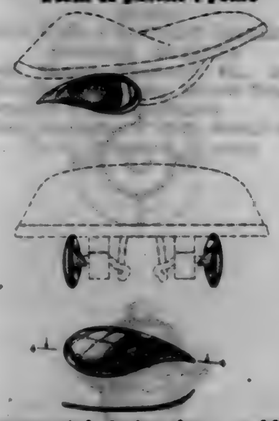
The ornamental design for a plant container, substantially as shown and described.

98,666
DESIGN FOR A BROOCH
Louis Fago, Chicago, Ill.
Application June 4, 1935, Serial No. 57,125
Term of patent 3½ years



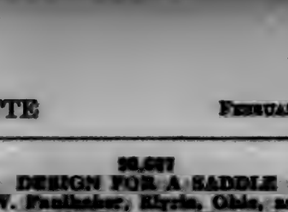
The ornamental design for a brooch, as shown.

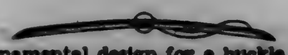
98,667
DESIGN FOR A SADDLE
Roland W. Faulhaber, Elyria, Ohio, assignor to The Troxel Mfg. Company, Elyria, Ohio, a corporation of Ohio
Application December 11, 1935, Serial No. 60,615
Term of patent 7 years



The ornamental design for a saddle substantially as shown.

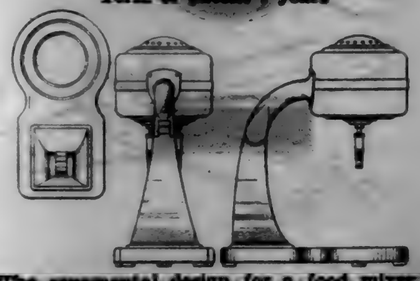
98,668
DESIGN FOR A BUCKLE
John B. Freysinger, New Britain, Conn.
Application January 14, 1936, Serial No. 60,577
Term of patent 3½ years





The ornamental design for a buckle as shown.

98,669
DESIGN FOR A FOOD MIXER
Alfred F. Fuhrs, Chicago, Ill.
Application April 13, 1935, Serial No. 56,341
Term of patent 7 years



The ornamental design for a food mixer, as shown and described.

98,670
DESIGN FOR A SHOE
Anne Gordon, New York, N. Y.
Application January 14, 1936, Serial No. 60,574
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

98,671
DESIGN FOR A TEXTILE FABRIC
August Hafner, Flushing, N. Y.
Application August 27, 1935, Serial No. 58,328
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

98,672
DESIGN FOR LACE
Hage W. Hucknall, Elyria, Ohio, assignor to The American Lace Mfg. Co., Elyria, Ohio, a corporation of Ohio
Application October 14, 1935, Serial No. 58,976
Term of patent 3½ years



The ornamental design for lace, substantially as shown and described.

98,673
DESIGN FOR A SHOE OR ARTICLE OF ANALOGOUS NATURE
Ralph A. Hyde, Brookline, Mass.
Application January 21, 1936, Serial No. 60,705
Term of patent 3½ years



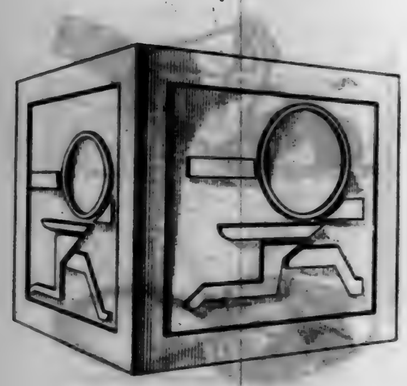
The ornamental design for a shoe or article of analogous nature, substantially as shown.

96,674
DESIGN FOR A SHOE OR ARTICLE OF ANALOGOUS NATURE
Ralph A. Hyde, Brookline, Mass.
Application January 30, 1936, Serial No. 60,962
Term of patent 3½ years



The ornamental design for a shoe or article of analogous nature, substantially as shown.

96,675
DESIGN FOR A BATTERY BOX
Walter Joy, Belmont, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application September 6, 1935, Serial No. 58,459
Term of patent 14 years



The ornamental design for a battery box as shown and described.

96,676
DESIGN FOR A SHOE OR ARTICLE OF ANALOGOUS NATURE
Hyman Klein, Lynn, Mass., assignor to S. H. Hyde & Sons Co., Cambridge, Mass., a corporation of Massachusetts
Application August 28, 1935, Serial No. 58,632
Term of patent 3½ years



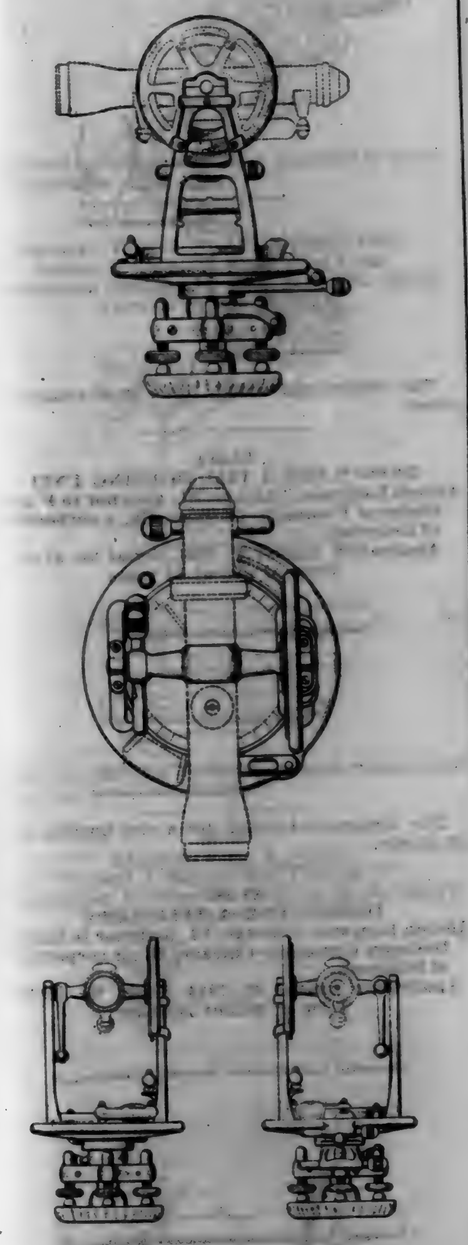
The ornamental design for a shoe or article of analogous nature, substantially as shown.

96,677
DESIGN FOR A SHOE OR ARTICLE OF ANALOGOUS NATURE
Samuel L. Kleven, Swampscott, Mass.
Application January 16, 1936, Serial No. 60,635
Term of patent 3½ years



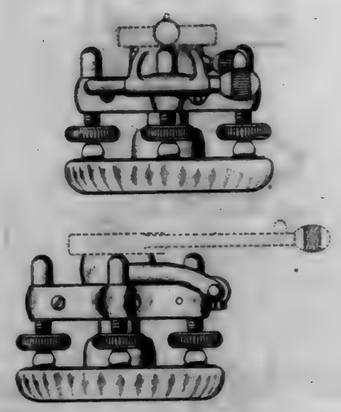
The ornamental design for a shoe or article of analogous nature, substantially as shown.

96,678
DESIGN FOR A TRANSIT
Adolph Langmaer, Chicago, Ill., assignor to Eugene Dietzgen Company, Chicago, Ill., a corporation of Delaware
Application August 25, 1934, Serial No. 53,656
Term of patent 14 years



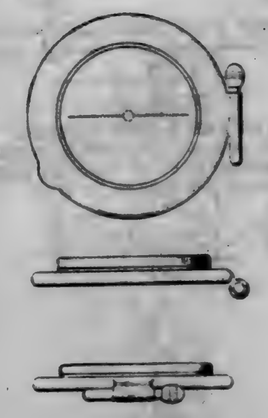
The ornamental design for a transit as shown.

96,679
DESIGN FOR A TRANSIT SUPPORT
Adolph Langmaer, Chicago, Ill., assignor to Eugene Dietzgen Company, Chicago, Ill., a corporation of Delaware
Application August 25, 1934, Serial No. 53,657
Term of patent 14 years



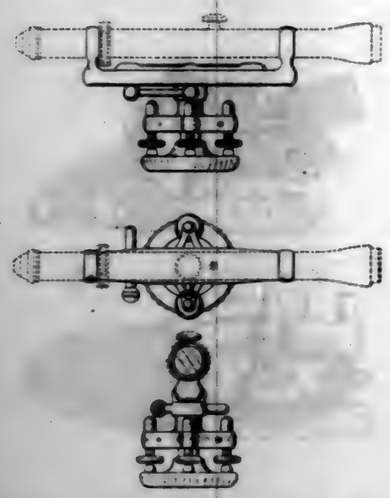
The ornamental design for a transit support as shown.

96,680
DESIGN FOR A TRANSIT PLATE
Adolph Langmaer, Chicago, Ill., assignor to Eugene Dietzgen Company, Chicago, Ill., a corporation of Delaware
Application August 25, 1934, Serial No. 53,658
Term of patent 14 years



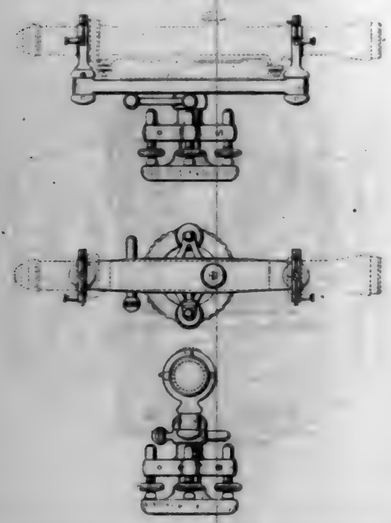
The ornamental design for a transit plate as shown and described.

98,681
DESIGN FOR A DUMPY LEVEL
Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Company, Chicago, Ill., a corporation of Delaware
Application August 25, 1934, Serial No. 53,059
Term of patent 14 years



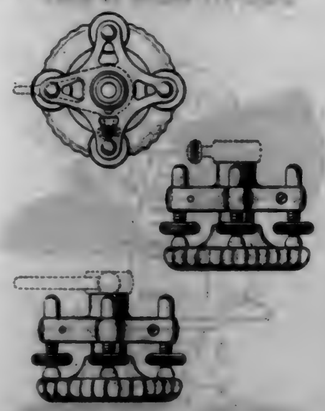
The ornamental design for a dumpy level as shown.

98,682
DESIGN FOR A Y LEVEL
Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Company, Chicago, Ill., a corporation of Delaware
Application August 25, 1934, Serial No. 53,060
Term of patent 14 years



The ornamental design for a Y level as shown.

98,683
DESIGN FOR A LEVEL SUPPORT
Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Company, Chicago, Ill., a corporation of Delaware
Application August 25, 1934, Serial No. 53,061
Term of patent 14 years

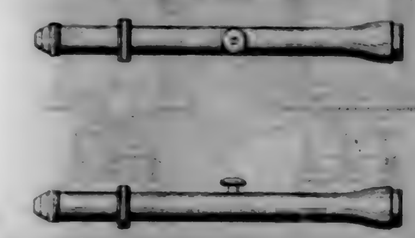


The ornamental design for a level support as shown.

98,684
DESIGN FOR A VIAL HOUSING UNIT
Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Company, Chicago, Ill., a corporation of Delaware
Application August 25, 1934, Serial No. 53,062
Term of patent 14 years

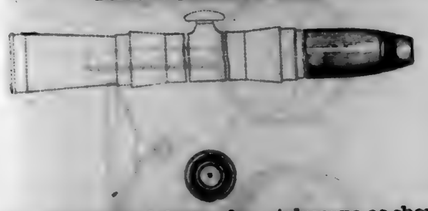
The ornamental design for a vial housing unit as shown.

98,685
DESIGN FOR A TELESCOPE
Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Company, Chicago, Ill., a corporation of Delaware
Application August 25, 1934, Serial No. 53,063
Term of patent 14 years



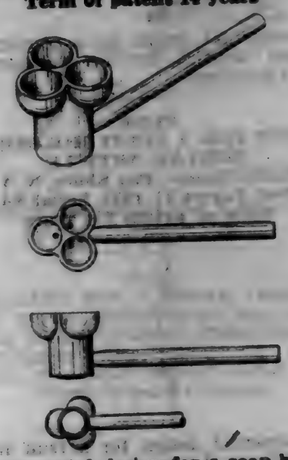
The ornamental design for a telescope as shown and described.

98,686
DESIGN FOR A TELESCOPE
Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Company, Chicago, Ill., a corporation of Delaware
Application November 8, 1935, Serial No. 59,456
Term of patent 14 years



The ornamental design for a telescope as shown and described.

98,687
DESIGN FOR A SOAP BUBBLE PIPE
George A. Maunsell, Waterbury, Conn.
Application January 16, 1936, Serial No. 60,510
Term of patent 14 years



The ornamental design for a soap bubble pipe as shown.

98,688
DESIGN FOR A SHOE
Samuel J. Meyer, New York, N. Y.
Application January 15, 1936, Serial No. 60,500
Term of patent 3½ years



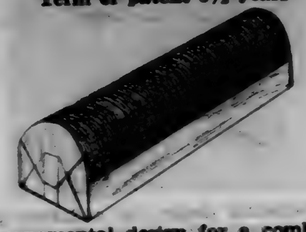
The ornamental design for a shoe substantially as shown.

98,689
DESIGN FOR A PORTABLE ELECTRIC FOOD MIXING DEVICE
Raymond E. Patten, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application August 8, 1935, Serial No. 58,009
Term of patent 14 years



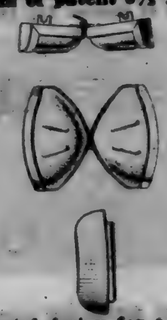
The ornamental design for a portable electric food mixing device substantially as shown, and described.

98,690
DESIGN FOR A COMBINED SUPPORTING TRAY AND POWDER PAD DISPLAY
Samuel L. Pomerantz, New York, N. Y.
Application May 25, 1935, Serial No. 57,011
Term of patent 3½ years



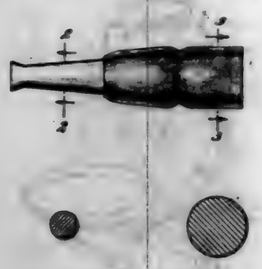
The ornamental design for a combined supporting tray and powder pad display as shown and described.

98,691
DESIGN FOR A BUCKLE
Solomon Putman, Newark, N. J.
Application January 14, 1936, Serial No. 60,575
Term of patent 3½ years



The ornamental design for a buckle as shown.

96,692
DESIGN FOR A RAZOR HANDLE
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application October 19, 1935, Serial No. 59,151
Term of patent 14 years

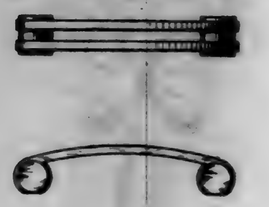


The ornamental design for a razor handle as shown.

96,693
DESIGN FOR A DRAWER PULL OR SIMILAR ARTICLE
Kurt Rettich, Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich.
Application November 4, 1935, Serial No. 59,377
Term of patent 3½ years

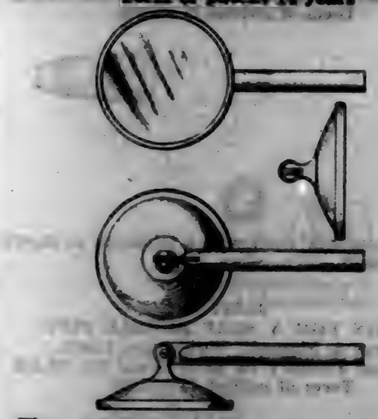
The ornamental design for a drawer pull or similar article as shown and described.

96,694
DESIGN FOR A DRAWER PULL OR SIMILAR ARTICLE
Kurt Rettich, Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich.
Application November 4, 1935, Serial No. 59,378
Term of patent 3½ years



The ornamental design for a drawer pull or similar article, as shown and described.

96,695
DESIGN FOR A COMBINED TRUCK MIRROR AND SUPPORT THEREFOR
Oliver G. Rite-Weiler, Chicago, Ill.
Application January 7, 1935, Serial No. 58,763
Term of patent 14 years



The ornamental design for a combined truck mirror and support therefor substantially as shown and described.

96,696
DESIGN FOR A FRUIT HOLDER OR SIMILAR ARTICLE
Walter Rogers, Bay Shore, N. Y.
Application August 27, 1935, Serial No. 58,231
Term of patent 3½ years



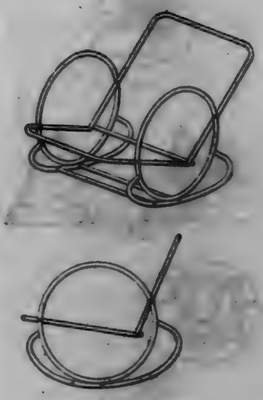
The ornamental design for a fruit holder or similar article, as shown.

96,697
DESIGN FOR A BABY'S CRIB
Edward S. Swasey, Rochester, N. Y., assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y., a corporation of New York
Application November 21, 1935, Serial No. 59,492
Term of patent 14 years



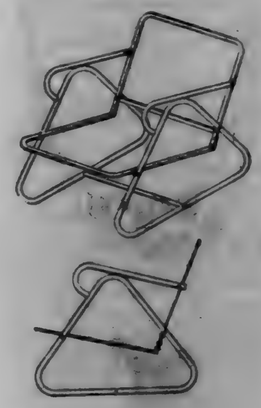
The ornamental design for a baby's crib, as shown and described.

96,698
DESIGN FOR A CHAIR FRAME
Harry J. Terker, Philadelphia, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 30, 1935, Serial No. 59,542
Term of patent 7 years



The ornamental design for a chair frame as shown.

96,699
DESIGN FOR A CHAIR FRAME
Harry J. Terker, Philadelphia, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 30, 1935, Serial No. 59,545
Term of patent 7 years



The ornamental design for a chair frame as shown.

96,700
DESIGN FOR A SHOE
Carlisle V. Watson, Auburn, Maine
Application November 18, 1935, Serial No. 59,432
Term of patent 3½ years



The ornamental design for a shoe, as shown.

96,701
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application January 15, 1936, Serial No. 60,596
Term of patent 3½ years



The ornamental design for a lace substantially as shown and described.

96,702
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application January 15, 1936, Serial No. 60,597
Term of patent 3½ years



The ornamental design for a lace substantially as shown and described.

88,702
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application January 15, 1936, Serial No. 60,598
Term of patent 3½ years



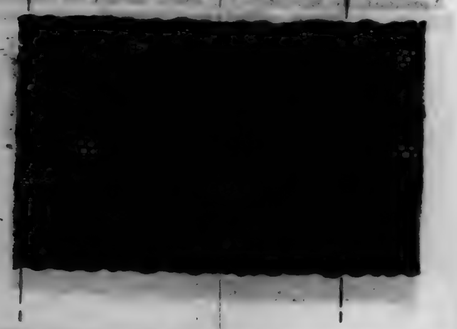
The ornamental design for a lace substantially as shown and described.

88,704
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application January 15, 1936, Serial No. 60,600
Term of patent 3½ years



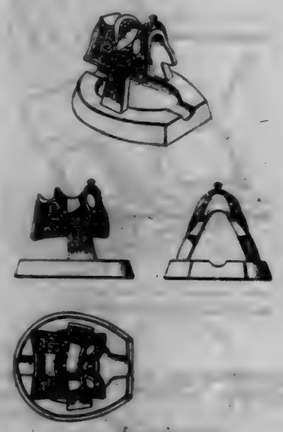
The ornamental design for a lace substantially as shown and described.

88,705
DESIGN FOR A LACE
Joseph D. Wiener, New York, N. Y.
Application January 13, 1936, Serial No. 60,654
Term of patent 3½ years



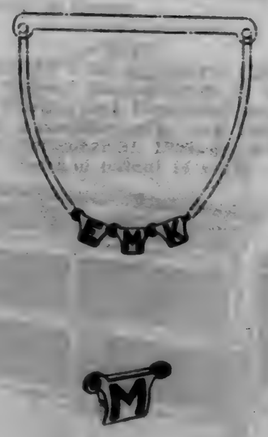
The ornamental design for a lace substantially as shown and described.

88,706
DESIGN FOR AN ASH TRAY
Lillian S. Whidden, El Paso, Tex.
Application December 16, 1935, Serial No. 60,161
Term of patent 7 years



The ornamental design for an ash tray as shown.

88,707
DESIGN FOR A CHARACTER BEARING LINK FOR CRAVAT HOLDERS OR ANALOGOUS ARTICLES
Harry G. Anderson, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application December 12, 1935, Serial No. 60,057
Term of patent 2½ years



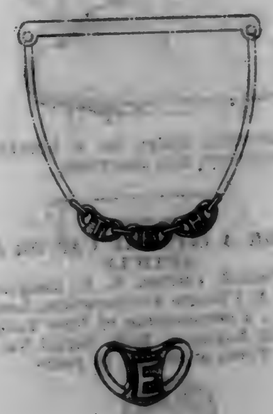
The ornamental design for a character bearing link for cravat holders or analogous articles, as shown and described.

88,708
DESIGN FOR A CHARACTER BEARING LINK FOR CRAVAT HOLDERS OR ANALOGOUS ARTICLES
Harry G. Anderson, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application December 12, 1935, Serial No. 60,058
Term of patent 3½ years



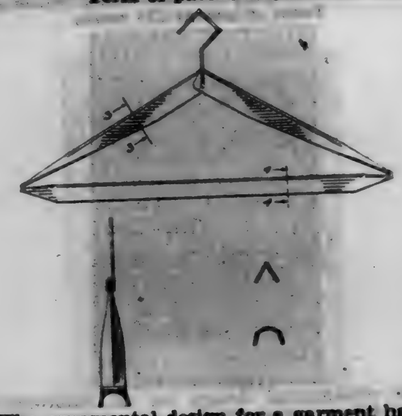
The ornamental design for a character bearing link for cravat holders or analogous articles, as shown and described.

88,709
DESIGN FOR A CHARACTER BEARING LINK FOR CRAVAT HOLDERS OR ANALOGOUS ARTICLES
Harry G. Anderson, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application December 12, 1935, Serial No. 60,059
Term of patent 3½ years



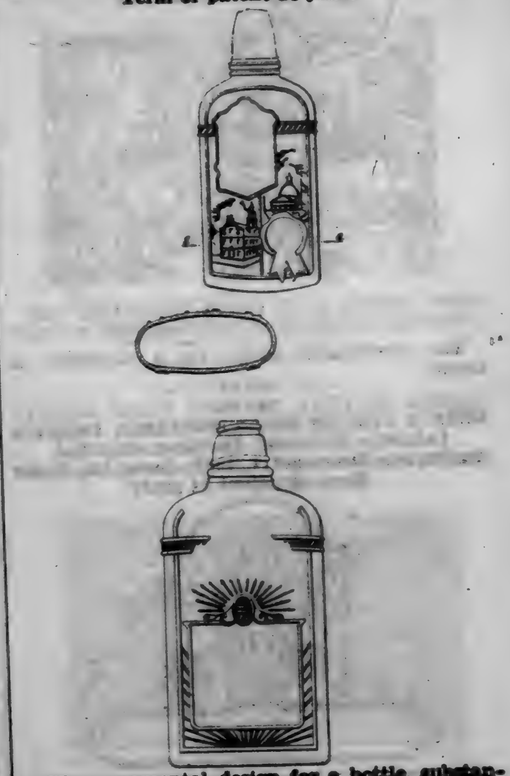
The ornamental design for a character bearing link for cravat holders or analogous articles as shown and described.

88,710
DESIGN FOR A GARMENT HANGER
George J. Bachmeyer, Kalamazoo, Mich.
Application January 8, 1936, Serial No. 60,474
Term of patent 14 years



The ornamental design for a garment hanger, as shown.

88,711
DESIGN FOR A BOTTLE
Hyman C. Berkowitz, Boston, Mass., assignor to Ben-Burk, Inc., Boston, Mass., a corporation of Massachusetts
Application December 14, 1935, Serial No. 60,084
Term of patent 14 years



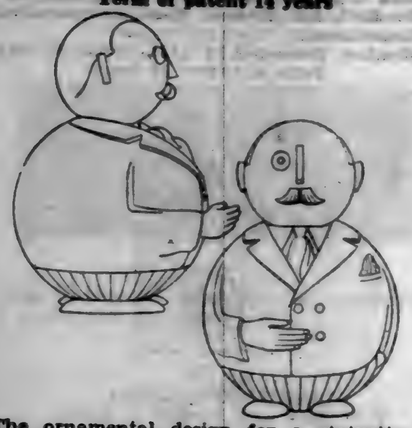
The ornamental design for a bottle, substantially as shown.

98,712
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC
George Bischof, New York, N. Y.
Application January 6, 1936, Serial No. 60,426
Term of patent 3½ years



The ornamental design for an embroidered textile fabric, substantially as shown.

98,713
DESIGN FOR A STATUETTE
Dena Brimer, Chicago, Ill.
Application November 23, 1935, Serial No. 59,717
Term of patent 14 years



The ornamental design for a statuette, as shown.

98,714
DESIGN FOR AN IDENTIFICATION EMBLEM
Lafayette F. Cargill, Michigan City, Ind.
Application December 4, 1935, Serial No. 59,907
Term of patent 14 years



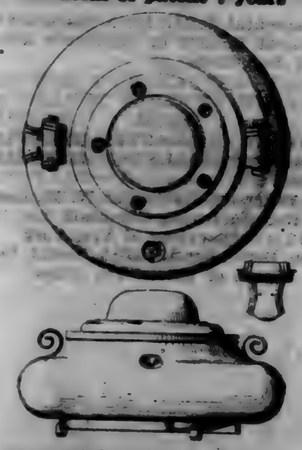
The ornamental design for an identification emblem as shown and described.

98,716
DESIGN FOR A LOUDSPEAKER FACEPLATE
Bernard A. Engheim, Shaker Heights, Ohio, assignor to The Rola Company, Cleveland, Ohio, a corporation of Ohio
Application December 27, 1935, Serial No. 60,308
Term of patent 7 years



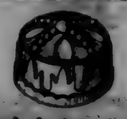
The ornamental design for a loudspeaker face plate substantially as shown.

98,716
DESIGN FOR A HUMIDIFIER
William Feldermann, South Orange, N. J.
Application December 31, 1935, Serial No. 60,369
Term of patent 7 years



The ornamental design for a humidifier substantially as shown and described.

98,717
DESIGN FOR A CLOSURE CAP OR SIMILAR ARTICLE
Joseph R. Fleisch, Clifton, N. J., assignor to Archer Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York
Application August 5, 1935, Serial No. 57,950
Term of patent 14 years



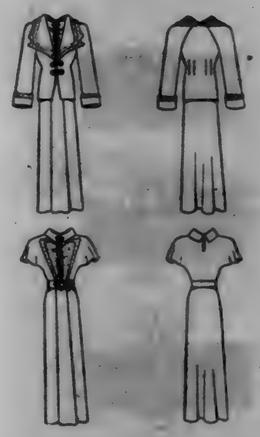
The ornamental design for a closure cap or similar article, substantially as shown.

98,718
DESIGN FOR A COMBINED FISH BOWL AND STAND
Lester K. Franklin, Chicago, Ill.
Application January 15, 1936, Serial No. 60,502
Term of patent 3½ years



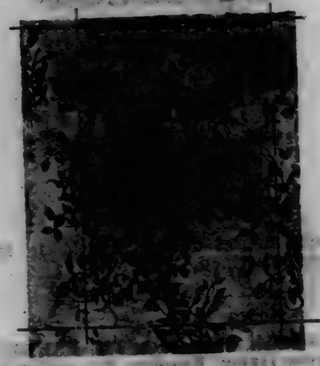
The ornamental design for a combined fish bowl and stand substantially as shown.

98,719
DESIGN FOR AN ENSEMBLE DRESS
Abraham Grossman, New York, N. Y.
Application January 29, 1936, Serial No. 60,867
Term of patent 3½ years



The ornamental design for an ensemble dress, substantially as shown.

98,720
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion E. Hamre, Brooklyn, N. Y.
Application January 13, 1936, Serial No. 60,542
Term of patent 3½ years



The ornamental design for a printed textile fabric or similar article, as shown and described.

98,721
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion E. Hamre, Brooklyn, N. Y.
Application January 15, 1936, Serial No. 60,594
Term of patent 3½ years



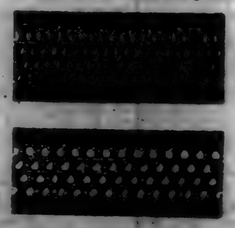
The ornamental design for a printed textile fabric or similar article, as shown and described.

98,722
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Marion E. Hamre, Brooklyn, N. Y.
Application January 15, 1936, Serial No. 60,595
Term of patent 3½ years



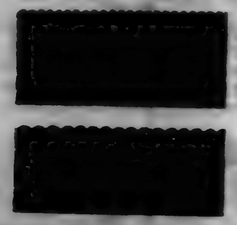
The ornamental design for a printed textile fabric or similar article, as shown and described.

98,723
DESIGN FOR ELASTIC FABRIC
Otto Eugene Huber, Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application January 4, 1936, Serial No. 60,408
Term of patent 14 years



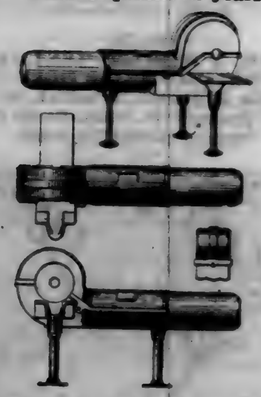
The ornamental design for elastic fabric as shown and described.

98,724
DESIGN FOR ELASTIC FABRIC
Otto Eugene Huber, Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application January 4, 1936, Serial No. 60,409
Term of patent 14 years



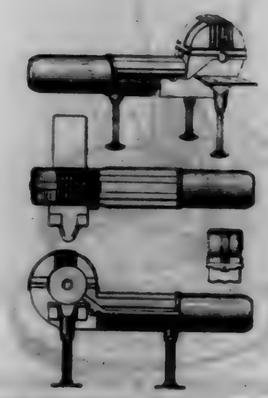
The ornamental design for elastic fabric as shown and described.

98,725
DESIGN FOR A COMBINED OIL BURNER CASING AND SUPPORT THEREFOR
Malcolm R. Knez, Hartford, Conn., assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn., a corporation of Connecticut
Application January 3, 1936, Serial No. 60,462
Term of patent 14 years



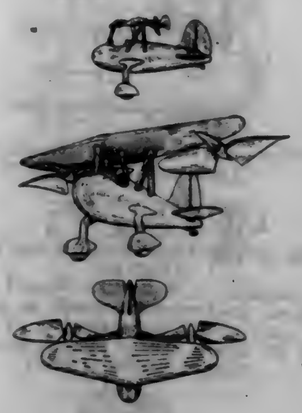
The ornamental design for a combined oil burner casing and support therefor, substantially as shown.

98,726
DESIGN FOR A COMBINED OIL BURNER CASING AND SUPPORT THEREFOR
Malcolm R. Knez, Hartford, Conn., assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn., a corporation of Connecticut
Application January 3, 1936, Serial No. 60,463
Term of patent 14 years



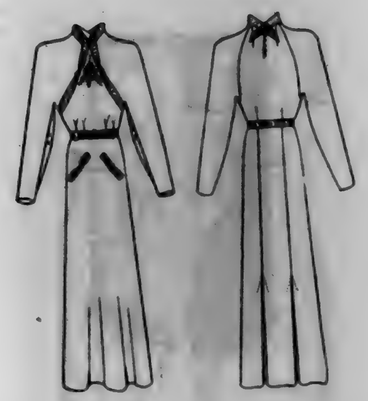
The ornamental design for a combined oil burner casing and support therefor, substantially as shown.

98,727
DESIGN FOR AN AIRPLANE
Paul M. Lewis and Fred Lundgraf, Denver, Colo., assignors to Lewis-American Airways, Inc., Denver, Colo., a corporation of Colorado
Application July 1, 1935, Serial No. 57,483
Term of patent 14 years



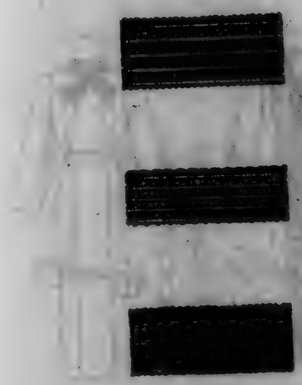
The ornamental design for an airplane, as shown.

98,728
DESIGN FOR A DRESS
Abe Markowitz, New York, N. Y., assignor to Franklin Simon & Co. Inc., New York, N. Y.
Application January 21, 1936, Serial No. 60,703
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

98,729
DESIGN FOR ELASTIC FABRIC
Clarence D. Maurer, West Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application January 4, 1936, Serial No. 60,411
Term of patent 14 years



The ornamental design for elastic fabric, as shown and described.

98,730
DESIGN FOR A BOTTLE
Edward J. McCullough, New York, N. Y., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 20, 1935, Serial No. 60,210
Term of patent 14 years



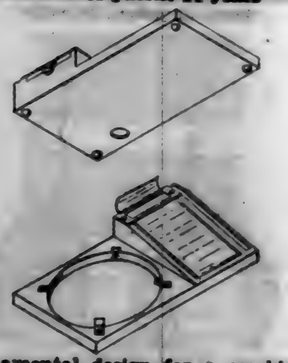
The ornamental design for a bottle substantially as shown.

98,731
DESIGN FOR A DOLL
Frankie L. McCulloch, Branson, Mo.
Application October 28, 1935, Serial No. 59,503
Term of patent 7 years



The ornamental design for a doll, as shown.

98,732
DESIGN FOR A COMBINED TELEPHONE BASE AND PAD HOLDER
Lee A. Meltzer, Seattle, Wash.
Application April 12, 1935, Serial No. 54,346
Term of patent 14 years



The ornamental design for a combined telephone base and pad holder, as shown.

98,733
DESIGN FOR A DISPENSING DEVICE
Edgar B. Nichols, Moorestown, N. J.
Application August 7, 1935, Serial No. 57,986
Term of patent 7 years



The ornamental design for a dispensing device substantially as shown.

98,734
DESIGN FOR A DENTAL FLOSS MAGAZINE
Chester E. Orrison, Chicago, Ill., assignor of one-half to Joel E. Reed, Chicago, Ill.
Application November 16, 1935, Serial No. 59,669
Term of patent 14 years



The ornamental design for a dental floss magazine as shown.

98,735
DESIGN FOR A BOTTLE
Fred J. Petty, Muncie, Ind., assignor to Ball Brothers Company, Muncie, Ind., a corporation of Indiana
Application December 18, 1935, Serial No. 60,149
Term of patent 7 years



The ornamental design for a bottle, substantially as shown.

98,736
DESIGN FOR A DRESS
Mary Porpora, New York, N. Y., assignor to Franklin Simon & Co. Inc., New York, N. Y.
Application December 31, 1935, Serial No. 60,349
Term of patent 3½ years



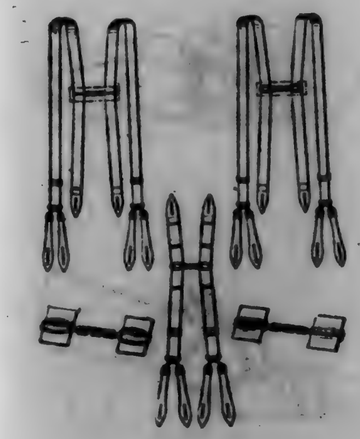
The ornamental design for a dress, substantially as shown, and described.

98,737
DESIGN FOR A COIN CONTROLLED PHONOGRAPH
Bayard H. Richardson and Richard W. Willey, Grand Rapids, Mich.
Application July 13, 1935, Serial No. 57,621
Term of patent 3½ years



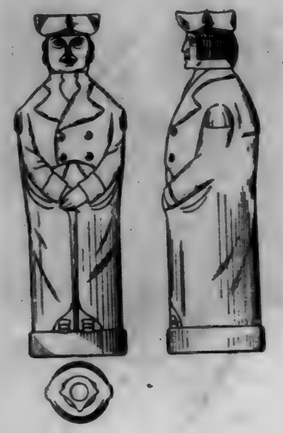
The ornamental design for a coin controlled phonograph as shown and described.

98,738
DESIGN FOR A SUSPENDER
Hyman Schiller, New York, N. Y.
Application December 23, 1935, Serial No. 60,241
Term of patent 3½ years



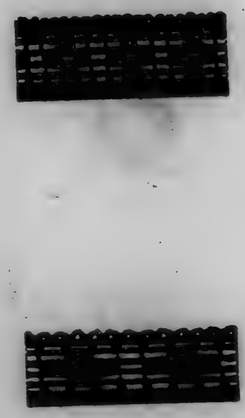
The ornamental design for a suspender, as shown.

98,739
DESIGN FOR A BOTTLE
George Smith, Jr., Olean, N. Y., assignor to Olean Glass Company, Olean, N. Y., a corporation of New York
Application August 5, 1935, Serial No. 57,947
Term of patent 14 years



The ornamental design for a bottle substantially as shown.

98,740
DESIGN FOR ELASTIC FABRIC
August K. Strupp, Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application January 11, 1936, Serial No. 60,528
Term of patent 14 years



The ornamental design for elastic fabric as shown and described.

98,741
DESIGN FOR A TOILET POWDER CONTAINER
Gaston Taich, New York, N. Y.
Application October 19, 1935, Serial No. 59,129
Term of patent 14 years



The ornamental design for a toilet powder container substantially as shown and described.

98,742
DESIGN FOR A SETTING FOR PRECIOUS STONES
Mitchell Waldman, New York, N. Y.
Application December 10, 1935, Serial No. 59,995
Term of patent 7 years





The ornamental design for a setting for precious stones, substantially as shown.

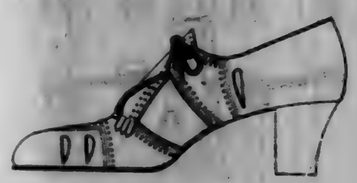
98,743
DESIGN FOR A SETTING FOR PRECIOUS STONES
Mitchell Waldman, New York, N. Y.
Application December 10, 1935, Serial No. 59,996
Term of patent 7 years



The ornamental design for a setting for precious stones, substantially as shown.

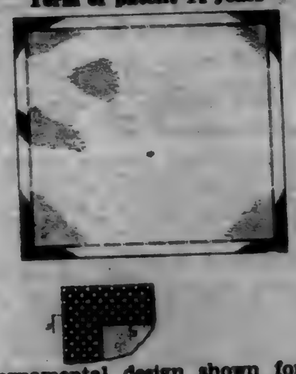
98,744
DESIGN FOR A SHOE
Haviland D. Baldwin, Auburn, Maine, assignor to Ault-Williamson Shoe Co., Auburn, Maine, a corporation of Maine
Application January 20, 1936, Serial No. 60,071
Term of patent 3½ years





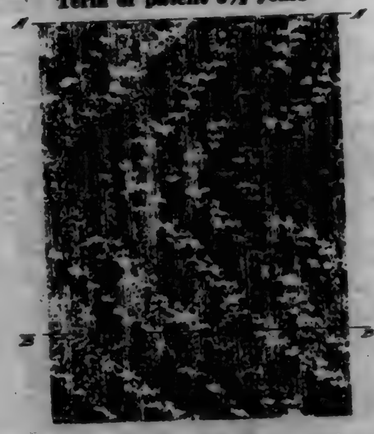
The ornamental design for a shoe substantially as shown and described.

98,745
DESIGN FOR A PAPER HANDKERCHIEF OR SIMILAR ARTICLE
Charles A. Fournese, Appleton, Wis., assignor to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Application November 13, 1935, Serial No. 59,524
Term of patent 14 years

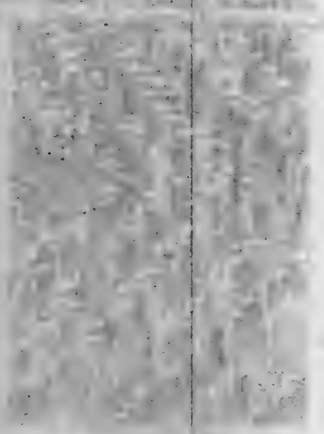


The ornamental design shown for a paper handkerchief or similar article substantially as shown and described.

98,746
DESIGN FOR A CARPET
Michael S. Miller, Thompsenville, Conn.
Application October 16, 1935, Serial No. 59,086
Term of patent 3½ years



The ornamental design for a carpet substantially as shown and described.





LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A. C. Talbot Company, The. (See Sudfern, James B.)

Aaron, Harry, doing business as Aaron's Beauty Supply Company, Brooklyn, N. Y. Soapless oils, scalp ointments, pine needle oil, etc. Serial No. 369,434; Feb. 25. Class 6.

Adams, Mitchell & Co., Inc., Boston, Mass. Gin. Serial No. 372,403; Feb. 25. Class 49.

Advance Aluminum Castings Corp., Chicago, Ill. Cooking utensils composed of aluminum alloy. Serial No. 372,396; Feb. 25. Class 13.

Agar Products Inc. (See Reinschild, Frederick C., assignor.)

Air-Way Electric Appliance Corporation, Toledo, Ohio. Electrical suction cleaners and parts and accessories thereof. Serial No. 373,013; Feb. 25. Class 21.

Albers Bros. Milling Co., Portland, Oreg., and San Francisco, Oakland, Los Angeles, Riverside, Fresno, etc., Calif. Stock and poultry feed. Serial No. 369,318; Feb. 25. Class 46.

Altman, B., & Co., New York, N. Y. Dresses. Serial No. 372,078; Feb. 25. Class 39.

American Cone & Pretzel Company, Philadelphia, Pa. Pretzels. Serial No. 322,961; Feb. 25. Class 46.

American Distilling Company, The, Pekin, Ill. Whiskey. Serial No. 373,488; Feb. 25. Class 49.

American Distilling Company, The, Pekin, Ill., and New York, N. Y. Gin and whiskey. Serial No. 373,661; Feb. 25. Class 49.

Asch, S. L., Corporation, New York, N. Y. Hats. Serial No. 373,463; Feb. 25. Class 39.

Automatic Electric Heater Co., Pottstown, Pa. Water Heaters. Serial No. 372,387; Feb. 25. Class 21.

Backes, Laurence H., San Francisco, Calif. Foot cream. Serial No. 371,413; Feb. 25. Class 6.

Backs-Jackson, Anaheim, Calif. Edible delicacy made of parched and popped field corn. Serial No. 372,600; Feb. 25. Class 46.

Beir, Arthur, & Co., Inc., New York, N. Y. Piece goods. Serial No. 372,502; Feb. 25. Class 42.

Beir, Arthur, & Co., Inc., New York, N. Y. Byron piece goods. Serial No. 373,196; Feb. 25. Class 42.

Bellows & Company, Inc., New York, N. Y. Scotch whisky. Serial No. 373,587; Feb. 25. Class 49.

Bienen-Davis, Inc., New York, N. Y. Pocketbooks, bags, and purses. Serial No. 371,464; Feb. 25. Class 3.

Bloomingdale Bros., Inc., New York, N. Y. Whiskey. Serial No. 373,817; Feb. 25. Class 49.

Blossom Products Corporation, Allentown, Pa. Dolls. Serial No. 373,717; Feb. 25. Class 22.

Blossom Products Corporation, Allentown, Pa. Dolls. Serial No. 373,720; Feb. 25. Class 22.

Boddington Laboratories, Inc., doing business as International Biochemists, Hamilton Park, Calif. Non-narcotic sedative. Serial No. 371,980; Feb. 25. Class 6.

Bolund, C. H., doing business as Tech Manufacturing Company, Chicago, Ill. Compounds to prevent offset, crystallization, and sticking of printing ink. Serial No. 372,234; Feb. 25. Class 17.

Boston Blacking & Chemical Co., Boston, Mass. Adhesive cement. Serial No. 371,497; Feb. 25. Class 6.

Brandt, Jessie, doing business as Globe Auto Glass Company, Chicago, Ill. Plate glass for use in automobile doors and automobile windshields. Serial No. 372,040; Feb. 25. Class 13.

Brown, Ernest H., doing business as Brown Laboratories, Greeneville, N. C. Headache powders, general tonic, medicine for the treatment of rheumatism, etc. Serial No. 369,877; Feb. 25. Class 6.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigars, cigarettes, smoking tobacco, etc. Serial No. 373,068; Feb. 25. Class 17.

Buckeye Chemical & Specialty Co. (See Epstein, H. M.)

Cafeteras de Puerto Rico, Ponce, P. R. Ground and bean roasted coffee. Serial No. 370,880; Feb. 25. Class 46.

Callahan, Bernard B., Chicago, Ill. Books pertaining to football. Serial No. 370,894; Feb. 25. Class 38.

Canfield, A. J., Co. doing business as Juno Sales Chicago, Ill. Artificial laxative water. Serial No. 371,140; Feb. 25. Class 6.

Capital City Products Company, The, Columbus, Ohio. Cheese. Serial No. 373,126; Feb. 25. Class 46.

Central Yarn Co., Inc., Brooklyn, N. Y. Yarns. Serial No. 373,321; Feb. 25. Class 43.

Certane Co., Inc., Los Angeles, Calif. Uterine medicinal applicators and diaphragms. Serial Nos. 370,247-8; Feb. 25. Class 44.

Chipman's, Chas., Sons Co. Inc., New York N. Y. Hosiery. Serial No. 373,260; Feb. 25. Class 39.

Clopay Corporation, Cincinnati, Ohio. Paper or fibre garment bags. Serial No. 367,388; Feb. 25. Class 2.

Clovene, Inc., New York, N. Y. Creams and coatings for protecting the skin. Serial No. 366,961; Feb. 25. Class 6.

Consolidated Chemical Laboratories, Inc., St. Louis, Mo. Germicide and insecticide. Serial No. 371,416; Feb. 25. Class 6.

Continental Asbestos & Refining Company, Inc., New York, N. Y. Paint. Serial No. 373,284; Feb. 25. Class 16.

Corn Products Refining Company, New York, N. Y. Starch product used as a coagulant in coal wash-water. Serial No. 373,487; Feb. 25. Class 6.

Craig, Edwin H. Shippensburg, Pa. Games. Serial No. 373,442; Feb. 25. Class 22.

Cumlokt Company, San Francisco, Calif. Fibre or pasteboard merchandise boxes. Serial No. 373,022; Feb. 25. Class 2.

Darrow, Myrtle, doing business as The Darrow Company, Tulsa, Okla. Varnish and varnish extender. Serial No. 373,367; Feb. 25. Class 16.

Delta Theta Tau Fraternity, Warsaw, Ind. Fraternity badges, lapel buttons, finger rings, etc. Serial No. 373,130; Feb. 25. Class 28.

Detroit Gray Iron Foundry Company, Detroit, Mich. Iron castings. Serial No. 373,489; Feb. 25. Class 14.

Dooley, William J., Washington, D. C. Household chart. Serial No. 370,488; Feb. 25. Class 38.

Drain-King Corporation, Chicago, Ill. Drain pipe openers. Serial No. 371,417; Feb. 25. Class 6.

Dufold Malted Co. (See Hasten, Al J.)

Du Pont, James Q., doing business as Mike-Ro-Pake, Johnstown, Pa. Composition for imparting opacity to photographic and photo-engraving films, plates, papers, etc. Serial No. 372,091; Feb. 25. Class 6.

Epstein, H. M., doing business as Buckeye Chemical & Specialty Co., New York, N. Y. Preparation for killing ants. Serial No. 370,604; Feb. 25. Class 6.

Fairplay Knitting Mills. (See Stoumen, Bernard.)

Farm Bureau Cooperative Association, Columbus, Ohio. Potatoes. Serial No. 373,077; Feb. 25. Class 46.

Flock Brewing Co., Williamsport, Pa. Ale. Serial No. 373,253; Feb. 25. Class 49.

Folmer Graflex Corporation, The, Rochester, N. Y. Photographic apparatus. Serial No. 362,430; Feb. 25. Class 26.

Forester, Max, New York, N. Y. Publication. Serial No. 372,355; Feb. 25. Class 38.

Fox River Paper Company, Appleton, Wis. Bond paper. Serial Nos. 373,298–9; Feb. 25. Class 37.

Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. Serial Nos. 373,726–7; Feb. 25. Class 49.

Friedman, B., Shoe Co. Inc., New York, N. Y. Shoes. Serial No. 368,178; Feb. 25. Class 39.

General Electric Company, Schenectady, N. Y. Non-metallic sheet material and a binder. 372,356; Feb. 25. Class 50.

General Electric Company, Schenectady, N. Y. Card index boxes. Serial No. 372,360; Feb. 25. Class 37.

General Electric Company, Schenectady, N. Y. Combination machine tools and parts thereof. Serial Nos. 372,361–2; Feb. 25. Class 23.

Germack, John N., Detroit, Mich. Fresh roasted nuts. Serial No. 365,936; Feb. 25. Class 46.

Glendale Fabrics, Inc., New York, N. Y. Textile fabrics. Serial No. 373,102; Feb. 25. Class 42.

Globe Auto Glass Company. (See Brandt, Jessie.)

Globe Roofing Products Co. Inc., Chicago, Ill. Roofing and building papers. Serial No. 371,765; Feb. 25. Class 12.

Globe Roofing Products Co. Inc., Chicago, Ill. Roofing and building papers. Serial No. 371,767; Feb. 25. Class 12.

Globe Roofing Products Co. Inc., Chicago, Ill. Roofing and building papers. Serial No. 371,769; Feb. 25. Class 12.

Glyco Products Co. Inc., New York, N. Y. Chemical preparations for emulsifying and thickening agents for use in the textile and related industries. Serial No. 370,097; Feb. 25. Class 6.

Goldman, Wm. P., & Bros. Inc., New York, N. Y. Coats, suits, and dresses. Serial No. 372,562; Feb. 25. Class 39.

Gotfried, M. A., doing business as M. A. Gotfried Co., Santa Paula, Calif. Fresh vegetables. Serial No. 373,170; Feb. 25. Class 46.

Graner, Vincent M., Westbury, Long Island, N. Y. Cough drops. Serial No. 372,011; Feb. 25. Class 6.

Greylock Corporation, New York, N. Y. Weekly periodical. Serial No. 372,574; Feb. 25. Class 38.

Gristede Bros. Inc., New York, N. Y. Artificial carbonated lithiated water. Serial No. 369,999; Feb. 25. Class 6.

Gum, Inc., Philadelphia, Pa. Chewing gum. Serial No. 370,906; Feb. 25. Class 46.

Hasten, Al J., doing business as Dufold Malted Co., St. Paul, Minn. Preparations for making food drinks. Serial No. 372,596; Feb. 25. Class 46.

Heating Efficiency Engineering. (See Sanborn, William L.)

Heatons Frocks, Inc., New York, N. Y. Dresses. Serial No. 373,448; Feb. 25. Class 39.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Hutchison, J. C., doing business as J. C. Hutchison & Company, Sanford, Fla., and Newark, N. Y. Fresh vegetables. Serial Nos. 373,032–3; Feb. 25. Class 46.
Idelizem Publishing Company. (See Zimmer, Ernest L.)
International Biochemists. (See Boddington Laboratories, Inc.)
International Latex Corporation, Rochester, N. Y. Rubber baby pants. Serial No. 373,301; Feb. 25. Class 39.
Italo American Importing Co., St. Louis, Mo. Olive oil. Serial No. 372,419; Feb. 25. Class 46.
Jabel Ring Manufacturing Co., Newark, N. J. Finger rings. Serial No. 373,575; Feb. 25. Class 22.
Juno Sales. (See Canfield, A. J., Co.)
King Cotton Mills Corporation, Richmond, Va. Knitting and clocking yarns. Serial No. 371,014; Feb. 25. Class 43.
King Innovations, Inc., New York, N. Y. Leather substitutes. Serial No. 372,281; Feb. 25. Class 50.
Klein, Phil, New York, N. Y. Coats, wraps, neckpieces, etc. Serial No. 370,256; Feb. 25. Class 39.
Korn, David, & Co., Inc., New York, N. Y. Underwear, slips, step-ins, etc. Serial No. 373,418; Feb. 25. Class 39.
Krogmus Distilling Co., Inc., Tell City, Ind. Whiskey. Serial Nos. 373,736–7; Feb. 25. Class 46.
Krulwich, Bernard, & Co., New York, N. Y. Hats. Serial No. 362,673; Feb. 20. Class 39.
Lakeland Groves Company, Lakeland, Fla. Fresh citrus fruit. Serial No. 373,304; Feb. 25. Class 46.
Lander Co., Inc., The, New York, N. Y. Eyebrow and eyelash grower, hair salves, hair elixirs, etc. Serial No. 372,370; Feb. 25. Class 6.
Leathercraft Corporation, The, New York, N. Y. Artificial leather. Serial No. 366,862; Feb. 25. Class 50.
Lees, James, & Sons Company, Bridgeport, Pa. Yarns. Serial No. 372,694; Feb. 25. Class 43.
Legge, Walter G., New York, N. Y. Bottled and canned dog shampoo. Serial No. 372,282; Feb. 25. Class 6.
Lobl Manufacturing Co., The, Middlebore, Mass. Electric heating pad. Serial No. 372,727; Feb. 25. Class 44.
Long's Hat Manufacturing Corporation, New York and Yonkers, N. Y. Hats. Serial No. 370,813; Feb. 25. Class 39.
Lorraine Manufacturing Company, Pawtucket, R. I. Neckwear. Serial No. 358,884; Feb. 25. Class 39.
Louangel Corporation, New York, N. Y. Cosmetic preparation. Serial No. 373,220; Feb. 25. Class 6.
Louangel Corporation, New York, N. Y. Shaving cream in stick form. Serial No. 373,222; Feb. 25. Class 4.
Louangel Corporation, New York, N. Y. Preparation for the care of teeth and gums. Serial No. 373,223; Feb. 25. Class 6.
M. & N. Cigar Manufacturers, Inc., Cleveland, Ohio. Cigars. Serial No. 372,523; Feb. 25. Class 17.
Mansfield, B., doing business as B. Mansfield & Co., Effingham, Ill. Whiskey. Serial Nos. 373,740–1; Feb. 25. Class 46.
Marathon City Brewing Company, Marathon City, Wis. Lager beer. Serial No. 360,947; Feb. 25. Class 48.
Margulis & Company, Philadelphia, Pa. Whiskey. Serial No. 373,384; Feb. 25. Class 46.
Metropolitan Paper and Bag Corporation, New York, N. Y. Tissue paper for wrapping. Serial No. 372,678; Feb. 25. Class 37.
Meyer, N. S., Inc., New York, N. Y. Insignia, buttons, and ornaments made of a special metal. Serial Nos. 372,139–40; Feb. 25. Class 50.
Mid-Western Distillers' Products, Inc., Louisville, Ky. Whiskey. Serial No. 373,834; Feb. 25. Class 46.
Mike-Ro-Fake. (See du Pont, James G.)
Minneapolis Star Company, Minneapolis, Minn. Section of a newspaper publication. Serial No. 373,388; Feb. 25. Class 38.
Mission Dry Corporation, Los Angeles, Calif. Sloe gin, gin highball, etc. Serial No. 373,372; Feb. 25. Class 49.
Missouri Portland Cement Company, St. Louis, Mo. Portland cement. Serial Nos. 371,647–8; Feb. 25. Class 12.
Nichols, Drusus H., doing business as Truth Associates, Chicago, Ill. Skin creams, skin lotions, and skin powders. Serial No. 370,194; Feb. 25. Class 6.
Northern Rice Associates, Sacramento, Calif. Dried lima beans and dried fruits and vegetables. Serial No. 368,380; Feb. 25. Class 46.
Nussbaum Liquor Store, Inc., New York, N. Y. Whiskey, gin, rum, etc. Serial No. 373,835; Feb. 25. Class 46.
Nu West Fur Dyeing Corp., Brooklyn, N. Y. Fur skins and parts thereof. Serial No. 365,647; Feb. 25. Class 1.
Olsen, Thomas M., and Cecila F., Chicago, Ill. Dresses and coats. Serial No. 367,767; Feb. 25. Class 39.
Oneida Ltd., Sherrill and Oneida, N. Y., and Northampton, Mass. Silver plated tableware and silver plated cutlery. Serial No. 373,225; Feb. 25. Class 28.
Oral Seal Chemical Company, Dallas, Tex. Preparation for the treatment of pyorrhea, liquid dentifrice, and mouth wash. Serial No. 370,921; Feb. 25. Class 6.
Orye, Frank, Newark, N. J. Permanent hair-waving machines, pads, appliances, etc. Serial No. 369,283; Feb. 25. Class 44.
Padre Vineyard Co., Los Angeles, Calif. Brandy. Serial No. 373,613; Feb. 25. Class 49.
Paragon Rubber Corporation, New York, N. Y. Dolls. Serial No. 373,970; Feb. 26. Class 22.
Parfums Charbert, Inc., New York, N. Y. Perfumes, toilet waters, sachets, etc. Serial No. 370,668; Feb. 25. Class 6.
Parker Pen Company, The, Janesville, Wis. Fountain pens, mechanical pencils, and desk sets. Serial No. 373,157; Feb. 25. Class 37.
Pastene, P., & Co. Inc., doing business as Pastene Products Co., New York, N. Y. Canned fruits and vegetables, canned fish, ripe olives, etc. Serial No. 370,065; Feb. 25. Class 46.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Alkaline detergent. Serial No. 372,885; Feb. 25. Class 4.
Penola Inc., Pittsburgh, Pa. Cutting oil. Serial No. 367,734; Feb. 25. Class 15.
Perfect Circle Company, The, Hagerstown, Ind. Piston rings. Serial No. 373,166; Feb. 25. Class 35.
Pinaud Incorporated, New York, N. Y. Toilet waters and toilet powders. Serial No. 365,635; Feb. 25. Class 6.
Platter, David G., Coffee Company, Inc., Denison, Tex. Coffee. Serial No. 371,900; Feb. 25. Class 46.
Popular Dry Goods Company, Inc., El Paso, Tex. Coats, vests, trousers, etc. Serial No. 372,092; Feb. 25. Class 39.
Ramirez, Victor M., doing business as V. M. Ramirez y Cia, Mayagnez, P. R., and New York, N. Y. Orange liqueurs. Serial No. 373,223; Feb. 25. Class 46.
Reinschild, Frederick C., assignee to Agar Products Inc., New Rochelle, N. Y. Cookies generally. Serial No. 367,371; Feb. 25. Class 46.
Renstrom, Carl W., doing business as Tip-Top Products Company, Omaha, Nebr. Hair curlers. Serial No. 372,617; Feb. 25. Class 46.
Rochester Distilling Company, Inc., Rochester, N. Y. Whiskey, gin, rum, etc. Serial Nos. 373,749–50; Feb. 25. Class 46.
Rogers, Harry L., New York, N. Y. Pipes, and cigar and cigarette holders. Serial No. 372,183; Feb. 25. Class 8.
St. Francis Products Co., San Francisco, Calif. Ice cream powder and milk food. Serial No. 371,785; Feb. 25. Class 46.
Ste. Pierre Smirnoff Fils, Incorporated, New York, N. Y. Vodka. Serial Nos. 373,235–6; Feb. 25. Class 46.
Ste. Pierre Smirnoff Fils, Incorporated, New York, N. Y. Vodka. Serial Nos. 373,238–9; Feb. 25. Class 46.
Sanborn, William L., doing business as Heating Efficiency Engineering, Chicago, Ill. Coils for use in hot water heating furnaces and the like. Serial No. 372,639; Feb. 25. Class 24.
San-Nap-Pak Mfg. Co. Inc., New York, N. Y. Cleansing tissue. Serial No. 372,434; Feb. 25. Class 37.
Scheuer, Samuel, New York, N. Y. Hats and caps. Serial No. 373,501; Feb. 25. Class 39.
Schmidt, C., & Sons, Inc., Philadelphia, Pa. Beer, porter, ale. Serial No. 373,976; Feb. 26. Class 48.
Scientific Medicinal Products, Inc., San Francisco, Calif. Preparation for the reduction of weight in wafer form. Serial No. 372,999; Feb. 25. Class 6.
Seminole Flavor Company, Chattanooga, Tenn. Malteds beverages and syrups for same. Serial No. 370,866; Feb. 25. Class 45.
Sherwood Petroleum Company, Inc., Brooklyn, N. Y. Irradiated petrolatums. Serial No. 371,044; Feb. 25. Class 6.
Simmons Tours, Inc., New York, N. Y. Publication. Serial No. 352,411; Feb. 25. Class 38.
Slomon, Ira I., Long Island City, N. Y. Adhesive products. Serial No. 371,897; Feb. 25. Class 5.
Société à Responsabilité Limitée B & V Bonnerat, Ay, France. Sparkling wines. Serial No. 366,677; Feb. 25. Class 47.
Stainback, Theodore E., doing business as The Stainback Company, Henderson, N. C. Powder for cleaning and polishing dentures. Serial No. 373,577; Feb. 25. Class 4.
Steinberger Bros. Inc., New York, N. Y. Yarns. Serial No. 373,432; Feb. 26. Class 43.
Sterifek Company, Inc., The, Brooklyn, N. Y. Paper napkins. Serial No. 372,867; Feb. 25. Class 37.
Steumen, Bernard, doing business as Fairplay Knitting Mills, Philadelphia, Pa. Bathing suits, sweaters, and polo shirts. Serial No. 373,321; Feb. 25. Class 39.
Stifel Rose Silk Co, Inc., New York, N. Y. Acetate and rayon fabric. Serial No. 371,946; Feb. 25. Class 42.
Suffern, James B., doing business as The A. C. Tablet Company, Elmira, N. Y. Tablets containing caffein sodiobenzoate. Serial No. 372,442; Feb. 25. Class 6.
Susquehanna Waist Company, Philadelphia, Pa. Blouses and dresses. Serial No. 373,191; Feb. 25. Class 39.
Swider, Stanley, St. Louis, Mo. Medicinal compound recommended for use in treating common colds, etc. Serial No. 372,119; Feb. 25. Class 6.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Tampa Importers, Inc., New York, N. Y. Cigars. Serial No. 372,444; Feb. 25. Class 17.
Tech Manufacturing Company. (See Boland, C. H.)
Tennessee Eastman Corporation, Kingsport, Tenn. Vermicide. Serial No. 345,522; Feb. 25. Class 6.
Theise, E. A., doing business as Theise Manufacturing Company, Sublette, Kans. Preparation for use as an engineer and carbon solvent to be added to gasoline, etc. Serial No. 371,923; Feb. 25. Class 6.
Thompkins & Hebert, San Francisco, Calif. Canned fish, canned vegetables, slices, etc. Serial No. 370,185; Feb. 25. Class 46.
Thyrole Chemical Company. (See Weinstock, I. Ralph.)
Tioga Mills Inc., Waverly, N. Y. Dog food. Serial Nos. 372,936–8; Feb. 25. Class 46.
Tip-Top Products Company. (See Renstrom, Carl W.)
Titan Co. A/S., Fredrikstad, Norway. Paints, paint pigments, lacquers, etc. Serial No. 363,129; Feb. 25. Class 16.
Truth Associates. (See Nichols, Drusus H.)
Tupper, Inc., New York, N. Y. Shoes. Serial No. 370,290; Feb. 26. Class 39.
20th Century Drug Co., Cleveland, Ohio. Liniment for the skin and accompanied with tablets which are to be taken internally for aches, pains, etc. Serial No. 364,499; Feb. 25. Class 6.
United Motors Service, Detroit, Mich. Storage batteries. Serial No. 373,520; Feb. 25. Class 21.
Webb, A. M., & Co., Inc., New York, N. Y. Underwear, hosiery, jerseys, etc. Serial No. 372,535; Feb. 25. Class 39.
Weinstock, I. Ralph, doing business as Thyrole Chemical Company, Philadelphia, Pa. Dentifrice. Serial No. 372,260; Feb. 25. Class 6.
Wells Fargo Company of Arizona, The, Nogales, Ariz. Fresh limes. Serial No. 372,699; Feb. 25. Class 46.
West, Henry J., Terre Haute, Ind. Whiskey. Serial No. 373,855; Feb. 25. Class 49.
West Virginia Pulp & Paper Company, New York, N. Y. Wood-pulp and paper-pulp. Serial No. 359,838; Feb. 28. Class 1.
Wilbur-Suchard Chocolate Company, Lititz, Pa. Chocolate, chocolate fruit and nut bars, and chocolate flavored syrup. Serial No. 372,227; Feb. 25. Class 46.
Windsor-Lloyd Products, Inc., Wilmington, Del. Hydraulic shock absorber fluid and hydraulic brake fluid. Serial No. 354,715; Feb. 25. Class 6.
Wood & Hyde Company, Gloversville, N. Y. Leather. Serial No. 373,437; Feb. 25. Class 1.
Wood, T. W., & Sons, Richmond, Va. Grass seed. Serial No. 371,376; Feb. 25. Class 1.
Woolman and Robles, New York, N. Y. Container of different colors having a brush and material for application to shoes. Serial No. 371,246; Feb. 25. Class 50.
Zenith Radio Corporation, Chicago, Ill. Prime-mover-driven electric generator combinations. Serial No. 373,010; Feb. 25. Class 21.
Zimmer, Ernest L., doing business as Idelizem Publishing Company, Minneapolis, Minn. Serial No. 373,761; Feb. 25. Class 22.

LIST OF REGISTRANTS OF TRADE-MARKS

Acampo Winery, Incorporated, Acampo, Calif. Wines. 332,668; Feb. 25; Serial No. 370,981; published Dec. 17, 1935. Class 47.
Additine Medicine Company, The, Columbus, Ohio. Medicine. 108,458; renewed Feb. 2, 1936.
Advance Solvents & Chemical Corporation, New York, N. Y. Naphthenate which is added to drying oils in order to increase their viscosity. 332,680; Feb. 25; Serial No. 369,520; published Dec. 17, 1935. Class 6.
Allison, Joseph F., doing business as Footfree Company, Falls Church, Va. Pharmaceutical preparation for the treatment of ringworm of the feet. 332,690; Feb. 25; Serial No. 369,429; published Dec. 17, 1935. Class 6.
Ambassador Upholstery Shops, Inc., Jersey City, N. J. Plain and upholstered davenports. 332,691; Feb. 25; Serial No. 370,924; published Dec. 10, 1935. Class 32.
American Bleached Goods Company, Inc. (See Kelsey Textile Corporation.)
American Chemical Paint Company, Ambler, Pa. Electrolytes. 332,692; Feb. 25; Serial No. 367,887; published Dec. 17, 1935. Class 6.
American Manganese Steel Company, Chicago, Ill., to American Manganese Steel Company, Chicago Heights, Ill. Steel. 109,306; renewed Mar. 28, 1936.
American Silk Spinning Co., Providence, R. I. Yarns. 332,697; Feb. 25. Class 43.
American Vulcanized Fibre Co., assignee to National Vulcanized Fibre Co., Wilmington, Del. Vulcanized fiber. 111,158; renewed July 4, 1936.
American Vulcanized Fibre Co., assignee to National Vulcanized Fibre Co., Wilmington, Del. Waste-baskets. 111,160; renewed July 4, 1936.
American Zinc Sales Company, St. Louis, Mo. Zinc oxide. 332,698–4; Feb. 25; Serial Nos. 370,422–3; published Dec. 17, 1935. Class 6.
Antiseptic Mattress Company, The, Lynn, Mass. Mattresses, pillows. 332,696; Feb. 25; Serial No. 369,850; published Dec. 10, 1935. Class 32.
Arabol Manufacturing Company, The, New York, N. Y. Liquid rubber compound for use as a coating composition for shipping containers. 332,699; Feb. 25; Serial No. 370,111; published Dec. 17, 1935. Class 16.
Armour, J. J., Somora, Tex. Liquefied petroleum gas for heating and illuminating purposes. 332,697; Feb. 25; Serial No. 368,677; published Dec. 10, 1935. Class 6.
Atlantic Calcomine Co., Inc., Brooklyn, N. Y. Cement paint. 332,690; Feb. 25; Serial No. 371,123; published Dec. 17, 1935. Class 16.
Atlantic Calcomine Co., Inc., Brooklyn, N. Y. Hot water wall finish. 332,700; Feb. 25; Serial No. 371,122; published Dec. 17, 1935. Class 16.
Atlantic & Pacific Merchandising Co., New York, N. Y. Razor blades. 332,702; Feb. 25; Serial No. 342,598; published Oct. 29, 1935. Class 28.
Augenblick, M., & Bro., Inc., Newark, N. J. Frozen green peas. 332,704; Feb. 25; Serial No. 371,294; published Dec. 17, 1935. Class 46.
Autographic Register Company, Hoboken, N. J. Continuous writing strips interleaved with carbon strips for use in manifolding registers, typewriters, etc. 332,707; Feb. 25; Serial No. 371,018; published Dec. 17, 1935. Class 37.
B. & C. Scientific Products, Inc., Seattle, Wash. Candy-like product for treatment of minor throat irritations and coughs due to colds. 332,703; Feb. 25; Serial No. 369,002; published Dec. 10, 1935. Class 6.
B & N Sales Co. (See Berg & Nathan Co.)
B. P. Laboratory. (See Bort, Dean H.)
Bagatelle, New York. (See Simagnan, Frances, et Cie. Inc.)
Bagfair, Inc., New York, N. Y. Pocketbooks and handbags. 332,704; Feb. 25; Serial No. 361,988; published Dec. 17, 1935. Class 3.
Baker Extract Company, Springfield, Mass. Root beer extract. 332,849; Feb. 25; Serial No. 367,966; published Oct. 8, 1935. Class 45.
Bay State Milling Co., Winona, Minn. Wheat flour. 110,211; renewed June 20, 1936.
Beauty Products, Inc., Denver, Colo. Hair tinting preparations. 332,705; Feb. 25; Serial No. 362,507; published Dec. 10, 1935. Class 6.
Bellt, D. E., Inc., doing business as Medicated Chocolates Company, San Francisco, Calif. Laxative tablets. 332,706; Feb. 25; Serial No. 370,596; published Dec. 10, 1935. Class 6.
Berret Richards Packing Company, Sacramento, Calif. Canned fruit. 332,707; Feb. 25; Serial No. 369,178; published Dec. 17, 1935. Class 46.
Berg & Nathan Co., doing business as B & N Sales Co., Chicago, Ill. Razor blades. 332,708; Feb. 25; Serial No. 342,599; published Dec. 10, 1935. Class 28.
Bischof, Ernst, Company, Incorporated, New York, N. Y. Liquid preparation taken internally for the treatment of coughs, colds, etc. 332,709; Feb. 25; Serial No. 370,985; published Dec. 17, 1935. Class 6.
Bort, Dean H., doing business as B. P. Laboratory, Louisville, Ohio. Medicines. 332,710; Feb. 25; Serial No. 370,833; published Dec. 10, 1935. Class 6.
Boyle, John, & Company, Incorporated, New York, N. Y. Waterproofed textiles. 111,178; renewed July 4, 1936.
Briggs, Robert, New York, N. Y. Hair lotion. 332,711; Feb. 25; Serial No. 369,908; published Dec. 10, 1935. Class 6.
Brightman Leather Co. Inc., Brooklyn, N. Y. Skins of leather. 332,712; Feb. 25; Serial No. 366,596; published Dec. 17, 1935. Class 1.
Buick Motor Company, Flint, Mich., assignee to General Motors Corporation, Detroit, Mich. Motor-vehicles. 108,882; renewed Feb. 29, 1936.
Caballero, Luis, Chiphona, Spain. Wines. 332,713; Feb. 25; Serial No. 354,880; published Dec. 17, 1935. Class 47.
Campbell, S., & Son Ltd., Glasgow, Scotland. Scotch whisky. 332,714; Feb. 25; Serial No. 371,335; published Dec. 24, 1935. Class 49.
Carbide and Carbon Chemicals Corporation, New York, N. Y. Fumigating compositions. 332,715; Feb. 25; Serial No. 370,457; published Dec. 17, 1935. Class 6.
Chemische Werke Marienfelde A. G., Berlin-Marienfelde, Germany. Clearing materials for use in the beverage industry. 332,716; Feb. 25; Serial No. 364,576; published Dec. 17, 1935. Class 50.

Chemische Werke Marienfelde A. G., Berlin-Marienfelde, Germany. Clearing materials for use in the beverage industry. 332,717; Feb. 25; Serial No. 357,945; published Dec. 17, 1935. Class 50.

Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Hair tonic. 332,718; Feb. 25; Serial No. 370,127; published Dec. 10, 1935. Class 6.

Ciccirillo, Ignazio, Little Ferry, N. J. Hair tonic. 332,719; Feb. 25; Serial No. 370,456; published Dec. 17, 1935. Class 6.

Claeys, Virgie, doing business as J. C. Claeys, South Bend, Ind. Candy. 332,720; Feb. 25; Serial No. 370,249; published Dec. 17, 1935. Class 44.

Clark, James, Distilling Corporation, Jersey City, N. J. Whiskey, gin, brandy, etc. 332,721; Feb. 25; Serial No. 371,328; published Dec. 24, 1935. Class 49.

Clov-O-Leen Co., The. (See Osborn, Ernest O.)

Colorado Milling & Elevator Company, The. (See St. Anthony Milling & Elevator Company, The, assignor.)

Compañia Ron Bacardí, S. A., Santiago, Cuba. Whiskey, brandy, gin, etc. 332,722; Feb. 25; Serial No. 352,849; published May 21, 1935. Class 49.

Coal Mald Candy Company, Salt Lake City, Utah. Malt-less powder. 332,723; Feb. 25; Serial No. 362,673; published May 7, 1935. Class 45.

Crookes Laboratories, Incorporated, The, New York, N. Y. Medicinal preparations and pharmaceuticals. 332,850; Feb. 25. Class 6.

Davies & Meacham, (See Patterson-Sargent Company, The.)

Denebeim's Wholesale Liquor Co., Kansas City, Mo. Whiskey. 332,724; Feb. 25; Serial No. 371,589; published Dec. 24, 1935. Class 49.

Dermal Chemical Company, Inc., Jersey City, N. J. Ointment or unguent. 332,725; Feb. 25; Serial No. 368,520; published Dec. 10, 1935. Class 6.

Doray Lamp Co., Inc., Chicago, Ill. Electric signal lamps. 332,727; Feb. 25; Serial No. 369,442; published Dec. 10, 1935. Class 21.

Duplex Printing Press Co., Battle Creek, Mich. Tractors. 332,728; Feb. 25; Serial No. 370,094; published Dec. 10, 1935. Class 28.

Durkee Famous Foods, Inc., Berkeley, Calif. Salad dressing. 332,729; Feb. 25; Serial No. 368,292; published Dec. 17, 1935. Class 46.

Ebling Brewing Company, Inc., Brooklyn, N. Y. Beer, stout, ale, and porter. 332,730; Feb. 25; Serial No. 370,873; published Dec. 17, 1935. Class 45.

Electric Knitting Co., Inc., Cohoes, N. Y. Knitted cotton wash cloths. 107,825; renewed Dec. 28, 1935.

Fairfield Distilling Co., Louisville, Ky. Gin. 332,731; Feb. 25; Serial No. 371,425; published Dec. 17, 1935. Class 49.

Fairfield Distilling Co., Louisville, Ky. Whiskey. 332,732; Feb. 25; Serial No. 371,426; published Dec. 17, 1935. Class 49.

Federal Stamping & Engineering Corp., Brooklyn, N. Y. Apparatus for projecting recorded images. 332,733; Feb. 25; Serial No. 370,503; published Dec. 10, 1935. Class 26.

Footfree Company. (See Allison, Joseph F.)

Fuld Bros., Inc., Baltimore, Md. Waxes. 332,734; Feb. 25; Serial No. 368,622; published Dec. 3, 1935. Class 18.

Garlock Packing Company, The, Palmyra, N. Y. Packings, and particularly oil sealing devices. 332,864; Feb. 25. Class 35.

General Food Products Co., Los Angeles, Calif. Cough drops. 332,735; Feb. 25; Serial No. 366,691; published Dec. 10, 1935. Class 6.

General Motors Corporation. (See Buick Motor Company, assignor.)

General Tobacco and Grocery Co. (See Starkstein, Morris.)

George, Dimitrios P., doing business as George & Co., Washington, D. C. Pile ointment. 332,736; Feb. 25; Serial No. 370,096; published Dec. 10, 1935. Class 6.

Goldcraft. (See Lott, Howard R.)

Gomei Kaisha Domoto Shokai, Minami-ku, Osaka, Japan. Canned vegetables, canned mushrooms, canned orange, etc. 332,738; Feb. 25; Serial No. 368,177; published Dec. 17, 1935. Class 46.

Gooderham & Worts Limited, Detroit, Mich. Whiskey. 332,739; Feb. 25; Serial No. 358,963; published Feb. 12, 1935. Class 49.

Green, A. P., Fire Brick Company, Mexico, Mo. High temperature mortar for patching and surfacing. 332,852; Feb. 25. Class 12.

Green Cross Pharmaceutical Products, Inc., New York, N. Y. General tonic, nose drops, a laxative, etc. 332,740; Feb. 25; Serial No. 366,414; published Dec. 17, 1935. Class 6.

Greif, L., & Bro., assignor to L. Greif & Bro., Incorporated, Baltimore, Md. Coats, vests, and trousers. 108,049; renewed Jan. 11, 1936.

Guerrieri, Giuseppe, doing business as Santa Fe Vintage Company, Los Angeles, Calif. Wines. 332,737; Feb. 25; Serial No. 370,610; published Dec. 17, 1935. Class 47.

Gynae Research Laboratories. (See Silver, Max.)

Hall Milling Company, St. Louis, Mo. Wheat flour. 332,741; Feb. 25; Serial No. 371,212; published Dec. 17, 1935. Class 46.

Hardwood Products Co., Mayville, Mich. Toothpicks. 332,742–3; Feb. 25; Serial Nos. 369,919–20; published Dec. 17, 1935. Class 44.

Hardwood Products Co., Mayville, Mich. Toothpicks. 332,744; Feb. 25; Serial No. 369,922; published Dec. 17, 1935. Class 44.

Harris, Benjamin, doing business as Lucky Flowers Co., New York, N. Y. Sachet. 332,745; Feb. 25; Serial No. 369,259; published Dec. 17, 1935. Class 6.

Harting, Herbert C., Watertown, Mass. Canned bird deterrent. 332,850; Feb. 25. Class 6.

Harvey, G. F., Company, The, Saratoga Springs, N. Y. Pharmaceutical preparations. 332,746; Feb. 25; Serial No. 362,850; published Dec. 17, 1935. Class 6.

Heywood Toilet Specialties Co., to Helen Iden, New York, N. Y., successor. Pharmaceutical preparations. 104,285; renewed May 25, 1935.

Hillers, Dr., Abtlungsvorsteher Nahr-und Heilmittelwerk, Grafrath, Kreis Solingen, Germany. Preparations and compounds in form of drops, bonbons, or tablets. 332,726; Feb. 25; Serial No. 358,042; published Dec. 17, 1935. Class 6.

Hoffmann-La Roche, Inc., Nutley, N. J. Pharmaceutical preparation rich in vitamins and calcium. 332,747; Feb. 25; Serial No. 369,573; published Dec. 3, 1935. Class 6.

Holo-Krome Screw Corporation, The, Bristol, Conn. Screws, stripper bolts, and pipe plugs. 332,748; Feb. 25; Serial No. 367,129; published Dec. 17, 1935. Class 13.

Holsum Bakery, The. (See Long, W. E., Co., The.)

Homestead Valve Manufacturing Company, Homestead, Pa., to Homestead Valve Manufacturing Company, Corsopolis, Pa. Renewable blow-off steam-valves and regrinding blow-off steam-valves. 109,097; renewed Mar. 21, 1936.

Houbigant, Inc., New York, N. Y. Perfumes, toilet water, face powder, etc. 332,749; Feb. 25; Serial No. 370,831; published Dec. 17, 1935. Class 6.

Indiana Ox Fibre Brush Company, Seymour, Ind. Bath brushes. 332,750; Feb. 25; Serial No. 371,099; published Dec. 11, 1935. Class 22.

Industrial Chemical Sales Company, Inc., New York, N. Y. Blend of fatty acids. 332,751; Feb. 25; Serial No. 356,769; published Dec. 10, 1935. Class 6.

International Fruit Corporation, Tampa, Fla. Fresh citrus fruits. 332,752; Feb. 25; Serial No. 371,215; published Dec. 17, 1935. Class 46.

Iden, Helen. (See Heywood Toilet Specialties Co.)

Jeffrey Manufacturing Company, The, Columbus, Ohio. Grinding and crushing machinery. 106,003; renewed Feb. 18, 1936.

Johns, Alfred B., Wheeling, W. Va. Preparation for the relief of rheumatism, arthritis, lumbago, etc. 332,753; Feb. 25; Serial No. 370,383; published Dec. 17, 1935. Class 6.

Keebler Products Inc., New York, N. Y. Toilet brushes. 332,754; Feb. 25; Serial No. 370,833; published Dec. 17, 1935. Class 22.

Kellogg, Spencer, & Sons, Inc., Buffalo, N. Y. Castor oil. 332,823; Feb. 25; Serial No. 370,383; published Dec. 10, 1935. Class 6.

Kelsey Textile Corporation, to American Bleached Goods Company, Inc., New York, N. Y., successor. Cotton goods and cotton sheets. 103,212; renewed Jan. 16, 1936.

Knewitz, Gerhard, East St. Louis, Ill., and St. Louis, Mo. Laxative preparation. 332,755; Feb. 25; Serial No. 370,145; published Dec. 10, 1935. Class 6.

Knudsen, Edward C., Chicago, Ill. File cleaners. 332,756; Feb. 25; Serial No. 370,712; published Dec. 10, 1935. Class 22.

Kol-Ax Inc., Stroudsburg, Pa. Coal burning stoves and ranges. 332,756; Feb. 25; Serial No. 370,861; published Dec. 17, 1935. Class 24.

Krano Products, Newark, N. J. Deodorant powder. 332,759; Feb. 26; Serial No. 369,560; published Dec. 10, 1935. Class 6.

Kuehn, Otto L., Co., Milwaukee, Wis. Pickled herring, salted herring, and smoked herring. 332,757; Feb. 25; Serial No. 370,550; published Dec. 17, 1935. Class 46.

La Fain Sales Co., Buffalo, N. Y. Hair wave setting solution. 332,760; Feb. 25; Serial No. 370,449; published Dec. 17, 1935. Class 6.

Linde Air Products Company, The, New York, N. Y. Compressed gases. 109,138; renewed Mar. 26, 1936.

Liquid Carbonic Corporation, The, Chicago, Ill. Solid carbon-dioxide. 332,761; Feb. 25; Serial No. 366,945; published Dec. 17, 1935. Class 6.

Loeb, Hartman and Bauch, Brooklyn, N. Y. Stuffed toy animals. 332,762; Feb. 25; Serial No. 369,819; published Dec. 10, 1935. Class 22.

Lesser, Frederick, & Co., Inc., Brooklyn, N. Y. Ironing tables. 332,763; Feb. 25; Serial No. 370,956; published Dec. 17, 1935. Class 24.

Long, W. E., Co., The, doing business as The Holsum Bakery, Chicago, Ill. Bread. 332,764; Feb. 25; Serial No. 369,620; published Dec. 17, 1935. Class 46.

Lott, Howard R., doing business as Goldcraft, Lambertville, N. J. Tea spoons, salad forks, dinner knives, etc. 332,905; Feb. 25. Class 23.

Lucky Flowers Co. (See Harris, Benjamin.)

Lyons-Magnus, Inc., doing business as The E. G. Lyons & Rass Co., San Francisco, Calif. Wines. 332,765; Feb. 25; Serial No. 370,967; published Dec. 17, 1935. Class 47.

Malt-Diastase Co., New York, to Malt-Diastase Co., Brooklyn, N. Y. Liquid malt preparations having diastasic properties. 111,254; renewed July 4, 1936.

Markus, Henry A., Chicago, Ill. Brandy. 332,772; Feb. 25; Serial No. 366,536; published Sept. 24, 1935. Class 49.

Marlboro Shirt Company, Baltimore, Md. Shirts. 332,866; Feb. 25. Class 39.

Masury, John W., & Son, New York, to John W. Masury & Son, Brooklyn, N. Y. Paste paint ground in Japan. 111,267–8; renewed July 4, 1936.

McBerk Laboratories, Jamaica, N. Y. Medicinal preparation. 332,766; Feb. 25; Serial No. 368,236; published Dec. 10, 1935. Class 6.

McCallum & Robinson, Inc., Memphis, Tenn. Mops and mop heads. 332,767; Feb. 25; Serial No. 370,144; published Dec. 17, 1935. Class 22.

McConnachie, James F., South Norwalk, Conn. Smoking pipes. 332,768–9; Feb. 25; Serial Nos. 366,419–20; published Dec. 17, 1935. Class 6.

McCord-Stewart Company, Inc., Atlanta, Ga. Coffee. 108,486; renewed Feb. 4, 1936.

McCulloch, Mrs. Frankie L., Branson, Mo. Dolls. 332,770; Feb. 25; Serial No. 370,966; published Dec. 17, 1935. Class 22.

McGregory, Werring & Howell Co., New York, N. Y. Records for electrical transcription. 332,771; Feb. 25; Serial No. 370,771; published Dec. 10, 1935. Class 36.

Medicated Chocolates Company. (See Bell, D. E., Inc.)

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation for an iron tonic in fluid form. 332,773; Feb. 25; Serial No. 369,898; published Dec. 10, 1935. Class 6.

Mid-West Producers' Creameries Inc., Indianapolis, Ind. Butter. 332,774; Feb. 25; Serial No. 360,321; published Dec. 17, 1935. Class 46.

Miller, Howard W., Pittsburgh, Pa. Condiments, coffee, tea, etc. 332,775; Feb. 25; Serial No. 360,122; published Dec. 17, 1935. Class 46.

Minto Toothpick Company, doing business as Minto Toothpick & Specialty Co., Mayville, Mich., and Otisfield, Maine. Tongue depressors and asceptic wood applicators. 332,776; Feb. 25; Serial No. 369,926; published Dec. 17, 1935. Class 44.

National Biscuit Company. (See York Pretzel Bakery, assignor.)

National Biscuit Company, Jersey City, N. J., and New York, N. Y., to National Biscuit Company, New York, N. Y. Biscuit and bread. 110,545; renewed May 30, 1936.

National Vulcanized Fibre Co. (See American Vulcanized Fibre Co., assignor.)

Neumann, Morton G., doing business as Valmor Products Co., Chicago, Ill. Insecticides and rodent exterminators. 332,777; Feb. 25; Serial No. 369,201; published Dec. 10, 1935. Class 6.

New World Foundation. (See Sifford, Fred.)

Norma Technical Products Ltd., London, England. Razors. 332,778; Feb. 25; Serial No. 370,315; published Dec. 10, 1935. Class 23.

Nu-Breath Corporation, New York, N. Y. Tablet adapted to overcome bad or undesirable breath. 332,779; Feb. 25; Serial No. 369,288; published Dec. 10, 1935. Class 6.

Old Ben Coal Corporation, Chicago, Ill. Coal. 332,780; Feb. 25; Serial No. 370,420; published Dec. 17, 1935. Class 1.

Osborn, Ernest O., doing business as The Clov-O-Leen Co., Knoxville, Iowa. Antiseptic for a mouth wash, dental hygiene, smoker's throat, etc. 332,781; Feb. 25; Serial No. 369,059; published Dec. 17, 1935. Class 6.

Pacific Hop Growers, Inc., Salem, Oreg. Hops. 332,782; Feb. 25; Serial No. 370,197; published Dec. 17, 1935. Class 1.

Parker, Ira, & Sons Company, Oshkosh, Wis. Chemical wood preservative. 332,783; Feb. 25; Serial No. 368,860; published Dec. 17, 1935. Class 6.

Patterson, Milton M., Los Angeles, Calif. Reflector auto rear signals. 332,784; Feb. 25; Serial No. 369,660; published Dec. 17, 1935. Class 19.

Patterson-Sargent Company, The, as assignee of Davies & Meacham, assignor to The Patterson-Sargent Company, Cleveland, Ohio. Paints, lacs, stains, etc. 109,260; renewed Mar. 28, 1936.

Patterson-Sargent Company, The, as assignee of Davies & Meacham, assignor to The Patterson-Sargent Company, Cleveland, Ohio. Paints, lacs, stains, etc. 109,647; renewed Apr. 11, 1936.

Peck, Stow & Wilcox Company, Southington, Conn. Hammers, axes, and hatchets. 332,785; Feb. 25; Serial No. 364,554; published Dec. 10, 1935. Class 23.

Peck, Stow & Wilcox Company, The, Southington, Conn. Awls, axes, bits, etc. 332,786; Feb. 25; Serial No. 366,999; published Dec. 10, 1935. Class 23.

Peck, Stow & Wilcox Company, The, Southington, Conn. Rules, dividers, steelyards, etc. 332,787; Feb. 25; Serial No. 370,425; published Dec. 10, 1935. Class 26.

Peerless Mfg. Co., The, to The Peerless Paper Mills, Inc., Oaks, Pa., successor. Toilet-paper. 110,226; renewed May 16, 1936.

Pepperell Manufacturing Company, Boston, Mass. Cotton sheeting, sheets, and pillow cases. 332,866; Feb. 25. Class 42.

Phillips, Ed., & Sons Co., Minneapolis, Minn. Brandy and alcoholic cordials and liqueurs. 332,788; Feb. 25; Serial No. 368,664; published Dec. 17, 1935. Class 49.

Planten, Hermanus R., New York, assignor to H. Planten & Son Inc., Brooklyn, N. Y. Remedy, put up in gelatin capsules. 108,268; renewed Jan 25, 1936.

Polk Packing Association, Winter Haven, Fla. Fresh citrus fruits. 332,789; Feb. 25; Serial No. 370,523; published Dec. 17, 1935. Class 46.

Popsicle Corporation of the United States, The, New York, N. Y. Maltless syrups, and frozen confections. 332,790; Feb. 25; Serial No. 366,689; published Dec. 17, 1935. Class 46.

Potter, Thomas, Sons & Company, Inc., Philadelphia, Pa., assignor, by mesne assignments, to Bloane-Blabon Corporation, Trenton, N. J. Floor-cloths. 108,033; renewed Jan. 11, 1936.

Power, George C., doing business as Geo. C. Power Lemon Ranch, San Buenaventura, Calif. Fresh citrus fruits. 332,791; Feb. 25; Serial No. 371,224; published Dec. 17, 1935. Class 46.

Power, George C., doing business as Geo. C. Power Lemon Ranch, San Buenaventura, Calif. Fresh citrus fruits. 332,792; Feb. 25; Serial No. 371,229; published Dec. 17, 1935. Class 46.

Precious Metals Refining Works, Pontiac, Mich. Dental silver alloys, C. P. mercury, dental casting golds and plates, etc. 332,794; Feb. 25; Serial Nos. 366,115; published Dec. 17, 1935. Class 44.

Prima-Cura Company, to Prima Cura Company, Parkersburg, W. Va., successor. External remedy for ailments and diseases. 110,681; renewed June 6, 1936.

Purex Corporation Ltd., Los Angeles, Calif. General cleanser and a bowl cleanser. 332,795; Feb. 25; Serial No. 364,639; published Dec. 10, 1935. Class 4.

Pushrol Mfg. Co., Chicago, Ill. Preparation to sweeten the breath. 332,793; Feb. 25; Serial No. 369,459; published Dec. 17, 1935. Class 6.

Quinlan, Eldridge W., Chicago, Ill. Chemical compound. 332,796; Feb. 25; Serial No. 356,637; published Dec. 10, 1935. Class 6.

RCA Manufacturing Company, Inc., Camden, N. J. Radio receiving sets, television receiving sets, electric pick-ups for phonographs, etc. 332,797–8; Feb. 25; Serial Nos. 370,516–17; published Dec. 10, 1935. Class 21.

Radel, Andrew, Oyster Company, The, South Norwalk and Bridgeport, Conn., to The Andrew Radel Oyster Company, South Norwalk, Conn. Oysters, clams, and scallops. 110,297; renewed May 16, 1936.

Rauh, E., & Sons Fertilizer Company, Indianapolis, Ind. Specially-prepared stock and poultry food. 106,136; renewed Jan. 18, 1936.

Red Head Products, Incorporated, Cedar Rapids, Iowa. Drain pipe cleaners and water softener crystals. 332,799; Feb. 25; Serial No. 369,587; published Dec. 10, 1935. Class 6.

Reinert, David, Cloversville, N. Y. Preparation for hay fever, asthma, anemia, and nervousness. 332,800; Feb. 25; Serial No. 370,674; published Dec. 10, 1935. Class 6.

Rhode Island Sales Co. (See Smira, William H.)

Riedel, J. D., Aktiengesellschaft, Berlin-Brits, Germany, assignor, by mesne assignments, to Riedel & Co., Inc., Brooklyn, N. Y. Chemicals and pharmaceutical preparations. 108,267; renewed Jan. 25, 1936.

River Plate Dairy Company, Limited, The, Buenos Aires, Argentina. Casein for use in manufactures. 332,801; Feb. 25; Serial No. 368,053; published Sept. 2, 1935. Class 1.

Rosenblatt, A., Sons & Co. Inc., Philadelphia, Pa. Children's dresses. 332,802; Feb. 25; Serial No. 369,243; published Nov. 5, 1935. Class 39.

Rubens, Barney, Rochester, N. Y. Automobile tires. 332,803; Feb. 25; Serial No. 369,028; published Dec. 10, 1935. Class 35.

Russell, John K., Los Angeles, Calif. Liquid refiners. 332,804; Feb. 25; Serial No. 368,450; published Dec. 10, 1935. Class 23.

Ruzzini, Sylvester B., doing business as Ruzzini Chemical Co., Pittsburgh, Pa. Preparation for the treatment of piles. 332,805; Feb. 25; Serial No. 369,752; published Dec. 17, 1935. Class 6.

Sabinas Brewing Company, San Antonio, Tex. Keg and bottle beer. 332,806; Feb. 25; Serial No. 369,376; published Dec. 17, 1935. Class 45.

St. Anthony Milling & Elevator Company, The, St. Anthony Milling & Elevator Company, Denver, Colo., assignor to The Colorado Milling & Elevator Company, Denver, Colo. Wheat-flour. 111,291; renewed July 4, 1936.

Sandeman, Geo. G., Sons & Co. Limited, London, England. Gin and whisky. 332,807; Feb. 25; Serial No. 370,967; published Dec. 17, 1935. Class 49.

Sanderson, Wm., & Son, Leith, Scotland. Scotch whisky. 332,808; Feb. 25; Serial No. 368,457; published Dec. 24, 1935. Class 49.

Sappanos, Louis, Co., Chicago, Ill. Ready-mixed house paints, varnishes, and paint enamels. 332,809; Feb. 25; Serial No. 357,256; published Dec. 17, 1935. Class 16.

Schieren, Chas. A., Company, New York, N. Y. Rawhide, leather, lace-leather, etc. 110,689; renewed June 6, 1936.

Schneierson, I., & Sons, Inc., New York, N. Y. Chemises, princess slips, bloomers, etc. 332,850; Feb. 25. Class 39.

Scientific Glass Instrument Co., The, Northfield, N. J. Blood taking tubes, blood chemistry tubes, blood culture tubes, etc. 332,610; Feb. 25; Serial No. 366,054; published Dec. 17, 1935. Class 44.

Seagram, Joseph E., & Sons, Inc., Lawrenceburg, Ind. Whiskey. 332,811; Feb. 25; Serial No. 354,874; published Dec. 24, 1935. Class 49.

Sears, Roebuck and Co., Chicago, Ill. Sheets and pillowcases. 108,180; renewed Jan. 18, 1936.

Security Shoe Supply Co. (See Weinstein, Leon.)

Sexton, William L., doing business as Troy Radio Mfg. Co., Los Angeles, Calif. Radio receiving sets and radio parts. 332,862; Feb. 25. Class 21.

Seydel, Herman, Jersey City, N. J. Chemical product. 332,812; Feb. 25; Serial No. 370,202; published Dec. 10, 1935. Class 6.

Sheila-Lynn, Inc., New York, N. Y. Dresses. 332,861; Feb. 25. Class 39.

Shellabarger Grain Products Company, Decatur, Ill. Soybean grits. 332,813; Feb. 25; Serial No. 367,313; published Dec. 17, 1935. Class 46.

Sifford, Fred, doing business as New World Foundation, Las Vegas, Nev. External preparation for the restoration and regulation of sexual organs and dribbling urine. 332,814; Feb. 25; Serial No. 358,897; published Dec. 10, 1935. Class 6.

Silver, Max, doing business as Gynae Research Laboratories, New York, N. Y. Lactic acid jelly preparation. 332,815; Feb. 25; Serial No. 369,933; published Dec. 17, 1935. Class 6.

Simmons Hardware Company, St. Louis, Mo. Food choppers and carpet sweepers. 332,816; Feb. 25; Serial No. 370,778; published Dec. 10, 1935. Class 23.

Simmons Hardware Company, St. Louis, Mo. Galvanized steel measures and family scales. 332,817; Feb. 25; Serial No. 370,781; published Dec. 10, 1935. Class 26.

Sinagnan, Frances, et cie. Inc., doing business as Bagatelle, New York, New York, N. Y. Candies. 332,818; Feb. 25; Serial No. 370,519; published Dec. 17, 1935. Class 46.

Sloane-Blabon Corporation. (See Potter, Thomas, Sons & Company, Inc., assignor.)

Smira, William H., doing business as Rhode Island Sales Co., Providence, R. I. Pickles, jams, molasses and vinegar. 332,851; Feb. 25. Class 46.

Societe des Verrais Pyrolac (S. A. R. L.), Creteil, France. Plates for phonograms, or phonographic discs, and phonographic records. 332,819; Feb. 25; Serial No. 368,960; published Dec. 10, 1935. Class 36.

Socony-Vacuum Oil Company, Incorporated. (See Standard Oil Company of New York.)

Soatag Chain Stores Co., Ltd., Los Angeles, Calif. Cosmetics and toilet preparations. 332,820; Feb. 25; Serial No. 366,961; published Dec. 10, 1935. Class 6.

Southern Kraft Corporation, New York, N. Y. Wrapping paper, kraft paper. 332,821–2; Feb. 25; Serial Nos. 370,943–4; published Dec. 17, 1935. Class 37.

Spalding Sales Corporation. (See Wright & Ditson, assignor.)

Spicer and Company, Glendale, Calif. Preparation for parenteral use as a bacterial antigen in veterinary practice. 332,824; Feb. 25; Serial No. 370,635; published Dec. 10, 1935. Class 6.

Spohn Medical Company, Goshen, Ind. Preparation for the treatment of coughs, colds, and minor irritations of the nose, etc. 332,825; Feb. 25; Serial No. 366,084; published Dec. 17, 1935. Class 6.

Standard Distillers Products, Inc., Baltimore, Md. Whiskey, gin, rum, etc. 332,826; Feb. 25; Serial No. 371,324; published Dec. 17, 1935. Class 49.

Standard Food Products Corp., Brooklyn, N. Y. Whiskey. 332,827; Feb. 25; Serial No. 371,465; published Dec. 17, 1935. Class 49.

Standard Oil Company of New York, by change of name, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating-oil. 108,842; renewed Feb. 29, 1936.

Standard Oil Development Company, Linden, N. J. Compounding agent for use in rubber, etc., and an impregnating agent for waterproofing or otherwise protecting cloth. 332,828; Feb. 25; Serial No. 369,112; published Dec. 10, 1935. Class 6.

Stanley Works, The, New Britain, Conn. Box strapping. 332,829; Feb. 25; Serial No. 370,843; published Dec. 17, 1935. Class 13.

Starkstein, Morris, doing business as General Tobacco and Grocery Co., Detroit, Mich. Playing cards. 332,830; Feb. 25; Serial No. 371,453; published Dec. 17, 1935. Class 22.

Stein, Hall Mfg. Co., Chicago, Ill., and New York, N. Y. Starch products. 332,831; Feb. 25; Serial No. 371,183; published Dec. 17, 1935. Class 5.

Sterling Mint Co., Inc., New York, N. Y. Chewing gum. 332,832; Feb. 25; Serial No. 369,591; published Dec. 17, 1935. Class 46.

Sterling Products Company, Easton, Pa. Preparation recommended as a spur for wet cleaning. 332,833; Feb. 25; Serial No. 370,127; published Dec. 10, 1935. Class 6.

Table Rock Laboratories, Inc., Greenville, S. C. Solution and an ointment for infected wounds. 332,834; Feb. 25; Serial No. 369,811; published Dec. 10, 1935. Class 6.

Tacoma Grain Company, Tacoma, Wash. Wheat-flour. 110,518; renewed May 26, 1936.

Tennant, C., Sons & Co. of New York, New York, N. Y. Metal box, bale, and package strapping. 332,835; Feb. 25; Serial No. 360,156; published Sept. 2, 1935. Class 18.

Thomas, Morris, New York, N. Y. Preparation for reducing weight. 332,836; Feb. 25; Serial No. 366,925; published Dec. 10, 1935. Class 6.

Tingue, Brown & Co., New York, N. Y. Mesh net containers for use in laundries. 332,837; Feb. 25; Serial No. 367,340; published Dec. 17, 1935. Class 24.

Tobacco By-Products and Chemical Corporation, Louisville, Ky. Parasiticides for poultry, veterinary and insecticide purposes. 332,838; Feb. 25; Serial No. 368,534; published Dec. 10, 1935. Class 6.

Todd, G. W., & Company, assignor to The Todd Company, Inc., Rochester, N. Y. Paper for negotiable instruments. 109,376; renewed Apr. 4, 1936.

Traders Oil Mill Company, Fort Worth, Tex. Bread. 332,839; Feb. 25; Serial No. 370,971; published Dec. 17, 1935. Class 46.

Tree-Gold Cooperative Growers of Florida, Orlando, Fla. Citrus fruits. 332,840; Feb. 25; Serial No. 371,119 published Dec. 17, 1935. Class 46.

Troy Radio Mfg. Co. (See Sexton, William L.)

Union Fish Company, San Francisco, Calif. Dried fish. 110,248; renewed May 8, 1936.

United Autographic Register Co., Chicago, Ill. Writing pads interleaved with transfer slips. 332,853; Feb. 25. Class 37.

United Autographic Register Co., Chicago, Ill. Continuous stationery strips interleaved with continuous transfer strips. 332,854; Feb. 25. Class 37.

United States Rubber Products, Inc., New York, N. Y., and Naugatuck, Conn. Electrical insulating paint. 332,900; Feb. 25. Class 21.

Universal Motor Oils Company, The, Wichita, Kans. Motor lubricating oil. 332,855; Feb. 25. Class 15.

Valmor Products Co. (See Neumann, Morton G.)

Valoe Co. (See Walters, Laura.)

Walters, Laura, doing business as Valoe Co., New York, N. Y. Wave set and hair tonic. 332,841; Feb. 25; Serial No. 370,589; published Dec. 10, 1935. Class 6.

Weinstein, Leon, doing business as Security Shoe Supply Co., St. Louis, Mo. Toe plates for shoes. 332,842; Feb. 25; Serial No. 370,816; published Dec. 17, 1935. Class 15.

Werner Laboratories, Inc., New York, N. Y. Adhesive for dentures. 332,843; Feb. 25; Serial No. 369,072; published Dec. 10, 1935. Class 6.

Western Light & Supply Corporation, Amarillo, Tex. Natural gas for household usage. 332,844; Feb. 25; Serial No. 360,383; published Dec. 10, 1935. Class 6.

Wexler Wine & Liquor Company, Chicago, Ill. Brandy. 332,845; Feb. 25; Serial No. 371,659; published Dec. 24, 1935. Class 49.

Whitney Blake Company, The, Hamden, Conn. Rubber insulated electrical conductors. 332,856; Feb. 25. Class 21.

Winthrop Chemical Company, Inc., New York, N. Y. Anesthetic. 332,846; Feb. 25; Serial No. 369,869; published Dec. 10, 1935. Class 6.

Wright & Ditson, Jersey City, N. J., and Boston, Mass., assignor to Spalding Sales Corporation, Jersey City, N. J., and New York, N. Y. Pennants and banners. 111,082; renewed June 20, 1936.

York Pretzel Bakery, York, Pa., assignor to National Biscuit Company, New York, N. Y. Pretzels. 109,247; renewed Mar. 25, 1936.

Youngstown Sheet and Tube Company, The, Youngstown, Ohio. Butt-welded pipe, well casing, tubing, etc. 332,847; Feb. 25; Serial No. 369,258; published Dec. 17, 1935. Class 13.

Zito, Joseph V., Rochester, N. Y. Preparation for coughs, colds in the head, throat and chest; etc. 332,848; Feb. 25; Serial No. 365,613; published July 23, 1935. Class 6.

LIST OF REGISTRANTS OF LABELS

Amo-Lite Company, The. (See Maggiore, Vincent.)

B and B Shoe Company, Chicago, Ill. Woolen Mulees. For House Slippers for Men, Women, and Childen. 47,069; Feb. 25.

Brooks Ltd., San Francisco, Calif. Modern Melbas. For Crisp Toasted Bread. 47,070; Feb. 25.

Chimes Brownies, Inc., New York, N. Y. Delicious. For Brownies. 48,071; Feb. 25.

Continental Distilling Corporation, Philadelphia, Pa. Old Harbor. For Blended Whisky. 47,072; Feb. 25.

Donaldson Baking Company, The, Columbus, Ohio. Donaldson's School Lunch Bread. For Bread. 47,073; Feb. 25.

Fain, Ben, Tyler, Tex. Baldine. For a Hair Grower. 47,074; Feb. 25.

Fishers Grain Company, Inc., Fishers, Ind. Hadess Fire Kindler. For Fire Kindling. 47,075; Feb. 25.

Governor and Company of Adventurers of England Trading Into Hudson's Bay, Commonly Called "Hudson's Bay Company", The, Winnipeg, Manitoba, Canada. Royal Charter. For Scotch Whisky. 47,076; Feb. 25.

Henschel, C. B., Mfg. Co., Milwaukee, Wis., assignor to S. S. Pierce Co., Boston, Mass. Overland. For Cigars. 14,125; renewed Apr. 7, 1936.

Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Flat Varnish. For Flat Varnish. 47,077; Feb. 25.

Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Kleen Floor. For a Cleaner for Waxed Floors. 47,078; Feb. 25.

Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Quick-Drying Varnish. For Quick-Drying Varnish. 47,079; Feb. 25.

Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Touch-Up Enamel. For Enamel for Automobiles. 47,080; Feb. 25.

Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Automobile Wax. For Automobile Wax. 47,081; Feb. 25.

Kemp, E. F., Inc., Somerville, Mass. Kemp's Chocolate Almonds. For Chocolate Almonds. 47,082; Feb. 25.

Macy, R. H., & Co., Inc., New York, N. Y. Macy's Personal Palette. For Cosmetics. 47,083; Feb. 25.

Maggiore, Vincent, doing business as The Amo-Lite Company, Canton, Ohio. Amo-Lite. For a Cleanser and Water Softener. 47,084; Feb. 25.

Melvin Co., South Pasadena, Calif. Dozets. For a Sedative and Hypnotic. 47,085; Feb. 25.

Pierce, S. S., Co. (See Henschel, C. B., Mfg. Co., assignor.)

Pose, Edward R., Roscoe, Calif. Pose's Hair Culture. For a Hair Tonic. 47,086; Feb. 25.

Selby Shoe Co., The, Portsmouth, Ohio. Flare-Fit. For Shoes. 47,087; Feb. 25.

Snow King Baking Powder Co., The, Cincinnati, Ohio. Snow King. For Baking Powder. 47,088; Feb. 25.

Stevens, Chas. A., & Company, Chicago, Ill. Merry Christmas. For Paper Boxes. 47,089; Feb. 25.

Tea Garden Products Co., San Francisco, Calif. Tea Garden. For Grape Juice. 47,090; Feb. 25.

Thomsen, William E., Baltimore, Md. Gunther's Lager Beer. For Lager Beer. 47,090; Feb. 25.

Tobacco By-Products & Chemical Corporation, (Incorporated), Louisville, Ky. "Black Leaf" Worm Pellets for Poultry. For Worm Pellets for Poultry. 47,091; Feb. 25.

Tobacco By-Products & Chemical Corporation, (Incorporated), Louisville, Ky. "Bleak Leaf 40" Nicotine Sulphate. For Nicotine Sulpbate. 47,092; Feb. 25.

Tobacco By-Products & Chemical Corporation, (Incorporated), Louisville, Ky. "Black Leaf" Worm Powder, For Worm Powder for Poultry. 47,093; Feb. 25.

Tobacco By-Products & Chemical Corporation, (Incorporated), Louisville, Ky. "Black Leaf 40" Nicotine Sulphate. For Nicotine Sulphate. 47,094–5; Feb. 25.

Tolman-Davidson Advertising Press, Inc., Brockton, Mass. Graham. For Shoes. 47,097; Feb. 25.

Tolman-Davidson Advertising Press, Inc., Brockton, Mass. Berco. For Shoes. 47,098; Feb. 25.

Trade Lithograph & Printing Co., Inc., New York, N. Y. La Salle. For Headware Boxes. 47,099; Feb. 25.

United Drug Company, Boston, Mass. Melo-Rex. For Cough Syrup. 47,100; Feb. 25.

United Drug Company, Boston, Mass. Rex-Rub. For an Athlete's Rub. 47,101; Feb. 25.

West Coast Importing Company, Los Angeles, Calif. Asahi Extra Fancy Arkansas Blue Rose Rice. For Rice. 47,102; Feb. 25.

LIST OF REGISTRANTS OF PRINTS

Buckeye Brewing Company, The, Toledo, Ohio. Picks You Up. For Beer. 15,593; Feb. 25.

Daggett Chocolate Company, Cambridge, Mass. Broadway. For Chocolates. 15,594; Feb. 25.

Kirk, Ross & Wallace, Ltd., Chicago, Ill. Kirk's Old Fashioned Bourbon. For Bourbon Whisky. 15,595; Feb. 25.

Redecut Copper Sprinkler Company, Los Angeles, Calif. Redecut Copper Sprinkler Company. For Lawn Sprinkler Systems. 15,596; Feb. 25.

Stearns & Foster Co., The, Lockland, Ohio. The Rose Tree. For Quilting Cotton. 15,597; Feb. 25.

Stearns & Foster Co., The, Lockland, Ohio. Snowbound. For Quilting Cotton. 15,598; Feb. 25.

Stearns & Foster Co., The, Lockland, Ohio. Water Lilies. For Quilting Cotton. 15,599; Feb. 25.

Stearns & Foster Co., The, Lockland, Ohio. Jack-O'-Lantern. For Quilting Cotton. 15,600; Feb. 25.

Stearns & Foster Co., The, Lockland, Ohio. The Lone Star. For Quilting Cotton. 15,601; Feb. 25.

Stearns & Foster Co., The, Lockland, Ohio. Hollyhocks. For Quilting Cotton. 15,602; Feb. 25.

Stearns & Foster Co., The, Lockland, Ohio. Cross-Stitch Garden. For Quilting Cotton. 15,603; Feb. 25.

Stearns & Foster Co., The, Lockland, Ohio. The Shadow Trail. For Quilting Cotton. 15,604; Feb. 25.

Stearns & Foster Co., The, Lockland, Ohio. The Wild Duck. For Quilting Cotton. 15,605; Feb. 25.

Stearns & Foster Co., The, Lockland, Ohio. Hollywood. For Quilting Cotton. 15,606; Feb. 25.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Casein for use in manufactures. River Plate Dairy Company, 332,801; Feb. 25; Serial No. 368,662; published Sept. 2, 1935.

Coal. Old Ben Coal Corporation. 332,780; Feb. 25; Serial No. 370,420; published Dec. 17, 1935.

Hops. Pacific Hop Growers, Inc. 332,782; Feb. 25; Serial No. 370,197; published Dec. 17, 1935.

Rawhide, leather, lace-leather, etc. Chas. A. Schieren Company. 110,689; renewed June 6, 1936.

Skins of leather. Brightman Leather Co. Inc. 332,712; Feb. 25; Serial No. 366,596; published Dec. 17, 1935.

CLASS 2

Baskets, Waste. American Vulcanized Fibre Co. 111,160; renewed July 4, 1936.

CLASS 3

Pocketbooks and handbags. Bagfair, Inc. 332,704; Feb. 25; Serial No. 361,988; published Dec. 17, 1935.

CLASS 4

Cleanser and a bowl cleanser, General. Purex Corporation Ltd. 332,795; Feb. 25; Serial No. 364,639; published Dec. 10, 1935.

CLASS 5

Starch products. Stein, Hall Mfg. Co. 332,831; Feb. 25; Serial No. 371,183; published Dec. 17, 1935.

CLASS 6

Acid jelly preparation, Lactic. M. Silver. 332,815; Feb. 25; Serial No. 369,933; published Dec. 17, 1935.

Adhesive for dentures. Werner Laboratories, Inc. 332,843; Feb. 25; Serial No. 369,072; published Dec. 10, 1935.

Anesthetic. Wiathrop Chemical Company. 332,846; Feb. 25; Serial No. 369,869; published Dec. 10, 1935.

Antiseptic for a mouth wash, dental hygiene, smoker's throat, etc. H. O. Osborn. 332,781; Feb. 25; Serial No. 369,659; published Dec. 17, 1935.

Blend of fatty acids. Industrial Chemical Sales Company. 332,751; Feb. 25; Serial No. 356,769; published Dec. 10, 1935.

Candy-like product for treatment of minor throat irritations and coughs due to colds. H. & C. Scientific Products, Inc. 332,703; Feb. 25; Serial No. 369,002; published Dec. 10, 1935.

Canned bird deterrent. H. C. Harting. 332,850; Feb. 25, 1936.

Carbon-dioxide, Solid. Liquid Carbonic Corporation. 332,781; Feb. 25; Serial No. 369,955; published Dec. 17, 1935.

Castor oil. Spencer Kellogg & Sons, Inc. 332,823; Feb. 25; Serial No. 370,383; published Dec. 10, 1935.

Chemical compound. E. W. Quinlan. 332,796; Feb. 25; Serial No. 356,687; published Dec. 10, 1935.

Chemical product. H. Seydel. 332,812; Feb. 26; Serial No. 370,202; published Dec. 10, 1935.

Chemical wood preservatives. Ira Parker & Sons Company. 332,788; Feb. 25; Serial No. 368,980; published Dec. 17, 1935.

Chemicals and pharmaceutical preparations. J. D. Riedel, Aktiengesellschaft. 106,267; renewed Jan. 28, 1936.

Cleaners and water softener crystals, Drain pipe. Red Head Products, Incorporated. 332,799; Feb. 25; Serial No. 369,587; published Dec. 10, 1935.

Compounding agent for use in rubber, etc., and an impregnating agent for waterproofing or otherwise protecting cloth. Standard Oil Development Company. 332,828; Feb. 26; Serial No. 369,112; published Dec. 10, 1935.

Cosmetics and toilet preparations. Sentag Chain Stores Co. 332,820; Feb. 25; Serial No. 368,961; published Dec. 10, 1935.

Cough drops. General Food Products Co. 332,735; Feb. 25; Serial No. 368,691; published Dec. 10, 1935.

Electrolytes. American Chemical Paint Company. 332,693; Feb. 25; Serial No. 357,337; published Dec. 17, 1935.

Fumigating compositions. Carbide and Carbon Chemicals Corporation. 332,715; Feb. 25; Serial No. 370,457; published Dec. 17, 1935.

Gas for heating and illuminating purposes, Liquefied petroleum. J. J. Armour. 332,697; Feb. 25; Serial No. 368,677; published Dec. 10, 1935.

Gas for household usage, Natural. Western Light & Supply Corporation. 332,844; Feb. 25; Serial No. 369,285; published Dec. 10, 1935.

Gases, Compressed. Linde Air Products Company. 109,183; renewed Mar. 28, 1936.

Hair tinting preparations. Beauty Products, Inc. 332,705; Feb. 25; Serial No. 362,507; published Dec. 10, 1935.

Hair tonic. Cheesbrough Manufacturing Company, Consolidated. 332,718; Feb. 25; Serial No. 370,157; published Dec. 10, 1935.

Hair tonic. I. Circkirillo. 332,719; Feb. 25; Serial No. 370,458; published Dec. 17, 1935.

Hair wave setting solution. La Fain Sales Co. 332,760; Feb. 25; Serial No. 370,400; published Dec. 17, 1935.

Insecticides and rodent exterminators. M. G. Neumann. 332,777; Feb. 25; Serial No. 362,201; published Dec. 10, 1935.

Laxative preparation. G. Knewitt. 332,785; Feb. 25; Serial No. 370,145; published Dec. 10, 1935.

Laxative tablets. D. B. Belli Inc. 332,700; Feb. 25; Serial No. 370,396; published Dec. 10, 1935.

Lotion, Hair. R. Briggs. 332,711; Feb. 11; Serial No. 369,908; published Dec. 10, 1935.

Medicinal preparation. McKerk Laboratories. 332,766; Feb. 25; Serial No. 368,235; published Dec. 10, 1935.

Medicinal preparations and pharmaceuticals. Crookes Laboratories, Incorporated. 332,857; Feb. 25.

Medicine, Additive Medicine Company. 108,458; renewed Feb. 8, 1936.

Medicines. D. E. Bort. 332,710; Feb. 25; Serial No. 370,333; published Dec. 10, 1935.

Naphthenate which is added to drying oils in order to increase their viscosity, Advance Solvents & Chemical Corporation. 332,689; Feb. 25; Serial No. 369,520; published Dec. 17, 1935.

Ointment or unguent. Dermal Chemical Company, Inc. 332,725; Feb. 25; Serial No. 368,520; published Dec. 10, 1935.

Ointment, Pile. D. F. George. 332,735; Feb. 25; Serial No. 370,096; published Dec. 10, 1935.

Parasiticides for poultry, veterinary and insecticide purposes. Tobacco By-Products and Chemical Corporation. 332,838; Feb. 25; Serial No. 365,534; published Dec. 10, 1935.

Perfumes, toilet water, face powder, etc. Houbigant, Inc. 332,749; Feb. 25; Serial No. 370,831; published Dec. 17, 1935.

Pharmaceutical preparation for the treatment of ringworm of the feet. J. F. Allison. 332,690; Feb. 25; Serial No. 369,429; published Dec. 17, 1935.

Pharmaceutical preparation rich in vitamins and calcium. Hoffmann-La Roche, Inc. 332,747; Feb. 25; Serial No. 369,573; published Dec. 3, 1935.

Pharmaceutical preparations. G. F. Harvey Company. 332,746; Feb. 25; Serial No. 368,886; published Dec. 17, 1935.

Pharmaceutical preparations. Heywood Toilet Specialties Co. 104,886; renewed May 26, 1935.

Powder, Deodorant. Krane Products. 332,759; Feb. 25; Serial No. 369,890; published Dec. 10, 1935.

Preparation for an iron tonic in fluid form. Wm. S. Merrell Company. 332,773; Feb. 26; Serial No. 369,998; published Dec. 10, 1935.

Preparation for coughs, colds in the head, throat and chest; etc. J. V. Ritz. 332,843; Feb. 26; Serial No. 365,013; published July 23, 1935.

Preparation for hay fever, asthma, anemia, and nervousness. D. Rassert. 332,800; Feb. 25; Serial No. 370,374; published Dec. 10, 1935.

Preparation for parenteral use as a bacterial antigen in veterinary practice. Spicer and Company. 332,834; Feb. 25; Serial No. 370,535; published Dec. 10, 1935.

Preparation for reducing weight. M. Thomas. 332,836; Feb. 26; Serial No. 369,923; published Dec. 10, 1935.

Preparation for the relief of rheumatism, arthritis, lumbago, etc. A. E. Johns. 332,753; Feb. 26; Serial No. 370,388; published Dec. 17, 1935.

Preparation for the restoration and regulation of sexual organs and dribbling urine, External. F. Sifford. 332,814; Feb. 25; Serial No. 366,897; published Dec. 10, 1935.

Preparation for the treatment of coughs, colds, and minor irritations of the nose, etc. Spohn Medical Company. 332,525; Feb. 25; Serial No. 368,004; published Dec. 17, 1935.

Preparation for the treatment of coughs, cold, etc., Liquid. Ernst Bischof Company. 332,709; Feb. 25; Serial No. 370,985; published Dec. 17, 1935.

Preparation for the treatment of piles. S. B. Rumrill. 332,905; Feb. 25; Serial No. 369,762; published Dec. 17, 1935.

Preparation recommended as a spur for wet cleaning. Sterling Products Company. 332,833; Feb. 25; Serial No. 370,137; published Dec. 10, 1935.

Preparation to sweeten the breath. Pinbrol Mfg. Co. 332,793; Feb. 25; Serial No. 369,489; published Dec. 17, 1935.

Preparations and compounds in form of drops, bonbons or tablets. Dr. Hillers Aktiengesellschaft Nahr-und Heilmittelwerk. 332,739; Feb. 25; Serial No. 369,962; published Dec. 17, 1935.

Remedy for ailments and diseases, External. Prima-Cura Company. 110,681; renewed June 6, 1936.

Remedy, put up in gelatin capsules. H. A. Plaster. 108,941; renewed Jan. 25, 1936.

Sachet. B. Harris. 332,745; Feb. 25; Serial No. 369,220; published Dec. 17, 1935.

Solution and an ointment for infected wounds. Table Rock Laboratories, Inc. 332,824; Feb. 26; Serial No. 360,311; published Dec. 10, 1935.

Tablet adapted to overcome bad or undesirable breath. Nu-Breath Corporation. 332,779; Feb. 25; Serial No. 369,226; published Dec. 10, 1935.

Tonic, nose drops, a laxative, etc., General. Green Cross Pharmaceutical Products, Inc. 332,740; Feb. 25; Serial No. 368,414; published Dec. 17, 1935.

Ware set and hair tonic. L. Walters. 332,841; Feb. 26; Serial No. 370,589; published Dec. 10, 1935.

Zinc oxide. American Zinc Sales Company. 332,806-4; Feb. 25; Serial Nos. 370,492-8; published Dec. 17, 1935.

CLASS 6

Pipes, Smoking. J. F. McConnachie. 332,702-6; Feb. 25; Serial Nos. 368,419-20; published Dec. 17, 1935.

CLASS 13

Mortar, High temperature. A. P. Green Fire Brick Company. 332,858; Feb. 26.

CLASS 15

Pipe, well casing, tubing, etc., Butt-welded. Youngstown Sheet and Tube Company. 332,647; Feb. 25; Serial No. 369,258; published Dec. 17, 1935.

Plates for shoes, Toe. L. Weinstein. 332,842; Feb. 25; Serial No. 370,816; published Dec. 17, 1935.

Screws, stripper bolts and pipe plugs. Hale-Kroms Screw Corporation. 332,748; Feb. 25; Serial No. 367,129; published Dec. 17, 1935.

Strapping, Box. Stanley Works. 332,829; Feb. 25; Serial No. 370,843; published Dec. 17, 1935.

Strapping, Metal box, bale, and package. C. Tennant, Sons & Co. of New York. 332,835; Feb. 25; Serial No. 360,136; published Sept. 3, 1935.

Valves and reseating blow-off steam-valves, Renewable blow-off steam. Homestead Valve Manufacturing Company. 109,007; renewed Mar. 21, 1936.

CLASS 14

Steel. American Manganese Steel Company. 109,806; renewed Mar. 28, 1936.

CLASS 15

Oil, Lubricating. Standard Oil Company of New York. 106,843; renewed Feb. 29, 1936.

Oil, Motor lubricating. Universal Motor Oils Company. 332,868; Feb. 26.

CLASS 16

Paint, Cement. Atlantic Calsimine Co. 332,690; Feb. 25; Serial No. 371,133; published Dec. 17, 1935.

Paint ground in Japan, Paste. John W. Masury & Son. 111,257-8; renewed July 4, 1936.

Paints, Inca, stains, etc. Patterson-Sargent Company. 109,260; renewed Mar. 28, 1936.

Paints, Inca, stains, etc. Patterson-Sargent Company. 109,647; renewed Apr. 11, 1936.

Paints, varnishes, and paint enamels, Ready-mixed. Louis Sappenos Co. 332,809; Feb. 25; Serial No. 367,756; published Dec. 17, 1935.

Rubber compound, for use as a coating composition for shipping containers, Liquid. Arabol Manufacturing Company. 332,806; Feb. 25; Serial No. 370,751; published Dec. 17, 1935.

Wall finish, Hot water. Atlantic Calsomine Co., Inc. 332,700; Feb. 25; Serial No. 371,132; published Dec. 17, 1935.

Waxes. Field Bros., Inc. 332,734; Feb. 25; Serial No. 368,622; published Dec. 3, 1935.

CLASS 19

Signals, Reflector auto rear. M. M. Patterson. 332,784; Feb. 25; Serial No. 369,600; published Dec. 17, 1935.

Vehicles, Motor. Buick Motor Company. 106,852; renewed Feb. 29, 1936.

CLASS 20

Cloths, Floor. Thomas Potter, Sons & Company. 106,023; renewed Jan. 11, 1936.

CLASS 21

Electric signal lamps. Doray Lamp Co. 332,737; Feb. 25; Serial No. 369,442; published Dec. 10, 1935.

Electrical conductors, Rubber insulated. Whitney Blake Company. 332,863; Feb. 25.

Electrical insulating paint. United States Rubber Products, Inc. 332,860; Feb. 25.

Radio receiving sets and radio parts. W. L. Sexton. 332,862; Feb. 25.

Radio receiving sets, television receiving sets, electric pickups for phonographs, etc. RCA Manufacturing Company. 332,797-8; Feb. 26; Serial Nos. 370,316-17; published Dec. 10, 1935.

CLASS 22

Cards, Playing. M. Starkstein. 332,830; Feb. 25; Serial No. 371,482; published Dec. 1., 1935.

Dolls, Mrs. F. L. McCulloch. 332,770; Feb. 25; Serial No. 370,968; published Dec. 17, 1935.

Toy animals, Stuffed. Loeb, Hartman and Beach. 332,762; Feb. 25; Serial No. 369,619; published Dec. 10, 1935.

CLASS 23

Awls, axes, bits, etc. Peck, Stow & Wilcox Company. 332,786; Feb. 25; Serial No. 366,999; published Dec. 10, 1935.

Choppers and carpet sweepers, Food. Simmons Hardware Company. 332,816; Feb. 25; Serial No. 370,778; published Dec. 10, 1935.

File cleaners. E. C. Knudson. 332,758; Feb. 25; Serial No. 370,712; published Dec. 10, 1935.

Grinding and crushing machinery. Jeffrey Manufacturing Company. 106,603; renewed Feb. 18, 1936.

Hammers, axes, and hatchets. Peck, Stow & Wilcox Company. 332,785; Feb. 25; Serial No. 364,554; published Dec. 10, 1935.

Liquid refiners. J. K. Bassell. 332,804; Feb. 26; Serial No. 368,458; published Dec. 10, 1935.

Razor blades. Atlantic & Pacific Merchandise Co. 332,698; Feb. 25; Serial No. 341,866; published Oct. 24, 1933.

Razor blades. Berg & Nathan Co. 332,706; Feb. 25; Serial No. 369,989; published Dec. 10, 1935.

Razors. Norma Technical Products Ltd. 332,778; Feb. 25; Serial No. 370,315; published Dec. 10, 1935.

Spoons, salad forks, dinner knives, etc., Tea. H. E. Lott. 332,865; Feb. 25.

Tractors. Duplex Printing Press Co. 332,726; Feb. 25; Serial No. 370,094; published Dec. 10, 1935.

CLASS 24

Ironing tables. Frederick Loeser & Co. Inc. 332,763; Feb. 25; Serial No. 370,994; published Dec. 17, 1935.

Mesh net containers for use in laundries. Tingue, Brown & Co. 332,827; Feb. 25; Serial No. 367,840; published Dec. 17, 1935.

CLASS 26

Apparatus for projecting recorded images. Federal Stamping & Engineering Corp. 332,723; Feb. 25; Serial No. 370,503; published Dec. 10, 1935.

Measures and family scales, Galvanized steel. Simmons Hardware Company. 332,817; Feb. 25; Serial No. 370,781; published Dec. 10, 1935.

Rules, dividers, steelyards, etc. Peck, Stow & Wilcox Company. 332,787; Feb. 25; Serial No. 370,425; published Dec. 10, 1935.

CLASS 29

Brushes, Bath. Indiana Oz Fibre Brush Company. 332,750; Feb. 25; Serial No. 371,090; published Dec. 17, 1935.

Brushes, Toilet. Keebee Products Inc. 332,754; Feb. 25; Serial No. 370,833; published Dec. 17, 1935.

Mops and mop heads. McCallum & Robinson, Inc. 332,767; Feb. 25; Serial No. 370,146; published Dec. 17, 1935.

CLASS 33

Davenports, Plain and upholstered. Ambassador Upholstery Shops, Inc. 332,691; Feb. 25; Serial No. 370,924; published Dec. 10, 1935.

Mattresses, pillows. Antiseptic Mattress Company. 332,695; Feb. 25; Serial No. 369,550; published Dec. 10, 1935.

CLASS 34

Stoves and ranges, Coal burning. Kel-Ax Inc. 332,756; Feb. 25; Serial No. 370,951; published Dec. 17, 1935.

CLASS 35

Packings, and particularly oil sealing devices. Garlock Packing Company. 332,864; Feb. 25.

Tires, Automobile. B. Rubens. 332,803; Feb. 25; Serial No. 369,928; published Dec. 10, 1935.

CLASS 36

Plates for phonograms or phonographic discs, and phonographic records. Societe des Vernis Pyrolac (S.A.R.L.) 332,819; Feb. 25; Serial No. 368,960; published Dec. 10, 1935.

Records for electrical transcription. McGreevey, Werring & Howell Co. 332,771; Feb. 25; Serial No. 370,771; published Dec. 10, 1935.

CLASS 37

Pads interleaved with transfer slips, Writing. United Autographic Register Co. 332,853; Feb. 25.

Paper for negotiable instruments. G. W. Todd & Company. 109,376; renewed Apr. 4, 1936.

Paper, Toilet. Peerless Mfg. Co. 110,826; renewed May 16, 1936.

Paper, Wrapping and kraft. Southern Kraft Corporation. 332,831-2; Feb. 25; Serial No. 370,902-4; published Dec. 17, 1935.

Stationery strips interleaved with continuous transfer strips, Continuous. United Autographic Register Co. 332,854; Feb. 25.

Writing strips interleaved with carbon strips for use in manifolding registers, typewriters, etc., Continuous. Autographic Register Company. 332,702; Feb. 25; Serial No. 371,016; published Dec. 17, 1935.

CLASS 39

Chemises, princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 332,856; Feb. 25.

Coats, vests, and trousers. L. Greif & Bro. 108,049; renewed Jan. 11, 1936.

Dresses. Sheila-Lynn, Inc. 332,861; Feb. 25.

Dresses, Children's. A. Rosenblatt Sons & Co. Inc. 332,802; Feb. 25; Serial No. 369,243; published Nov. 5, 1935.

Shirts. Marlboro Shirt Company. 332,855; Feb. 25.

CLASS 42

Cotton goods and cotton sheets. Kelsey Textile Corporation. 108,212; renewed Jan. 18, 1936.

Cotton sheeting, sheets and pillow cases. Pepperell Manufacturing Company. 332,866; Feb. 25.

Cotton wash cloths, Knitted. Electric Knitting Co. 107,825; renewed Dec. 28, 1935.

Sheets and pillow-cases. Sears, Roebuck and Co. 108,180; renewed Jan. 18, 1936.

CLASS 43

Yarns. American Silk Spinning Co. 332,867; Feb. 25.

CLASS 44

Blood taking tubes, blood chemistry tubes, blood culture tubes, etc. Scientific Glass Instrument Co. 332,810; Feb. 25; Serial No. 368,054; published Dec. 17, 1935.

Dental silver alloys, C. P. mercury, dental casting golds and plates, etc. Precious Metals Refining Works. 332,744; Feb. 25; Serial No. 366,115; published Dec. 17, 1935.

Tongue depressors and aseptic wood applicators. Minto Toothpick Company. 332,776; Feb. 25; Serial No. 369,926; published Dec. 17, 1935.

Toothpicks. Hardwood Products Co. 332,742-3; Feb. 25; Serial Nos. 369,919-20; published Dec. 17, 1935.

Toothpicks. Hardwood Products Co. 332,744; Feb. 25; Serial No. 369,922; published Dec. 17, 1935.

CLASS 45

Beer extract, Root. Baker Extract Company. 332,849; Feb. 25; Serial No. 367,986; published Oct. 8, 1935.

Powder, Nonalcoholic maltless. Cool Maid Candy Company. 332,723; Feb. 25; Serial No. 362,673; published May 7, 1935.

CLASS 46

Biscuit and bread. National Biscuit Company. 110,545; renewed May 26, 1936.

Bread. W. E. Long Co. 332,764; Feb. 25; Serial No. 369,620; published Dec. 17, 1935.

Bread. Traders Oil Mill Company. 332,889; Feb. 25; Serial No. 370,971; published Dec. 17, 1935.

Butter. Mid-West Producers' Creameries Inc. 332,774; Feb. 25; Serial No. 360,321; published Dec. 17, 1935.

Candies. Frances Sinagnan et Cie. Inc. 332,818; Feb. 25; Serial No. 370,319; published Dec. 17, 1935.
Candy. V. Cuneyo. 332,720; Feb. 25; Serial No. 370,249; published Dec. 17, 1935.
Canned fruit. Hercut Richards Packing Company. 332,707; Feb. 25; Serial No. 369,178; published Dec. 17, 1935.
Canned vegetables, canned mushrooms, canned orange, etc. Gomei Kaisha Domoto Shokai. 332,738; Feb. 25; Serial No. 368,177; published Dec. 17, 1935.
Coffee. McCord-Stewart Company. 108,486; renewed Feb. 8, 1936.
Condiments, coffee, tea, etc. H. W. Miller. 332,775; Feb. 25; Serial No. 360,122; published Dec. 17, 1935.
Fish, Dried. Union Fish Company. 110,245; renewed May 9, 1936.
Flour, Wheat. Bay State Milling Co. 110,911; renewed June 20, 1936.
Flour, Wheat. Hall Milling Company. 332,741; Feb. 25; Serial No. 371,213; published Dec. 17, 1935.
Flour, Wheat. St. Anthony Milling & Elevator Company. 111,291; renewed July 4, 1936.
Flour, Wheat. Tacoma Grain Company. 110,518; renewed May 30, 1936.
Food, Stock and poultry. H. Rauh & Sons Fertiliser Company. 108,136; renewed Jan. 13, 1936.
Fruits, Citrus. Tree-Gold Cooperative Growers of Florida. 332,840; Feb. 25; Serial No. 371,119; published Dec. 17, 1935.
Fruits, Fresh citrus. International Fruit Corporation. 332,752; Feb. 25; Serial No. 371,215; published Dec. 17, 1935.
Fruits, Fresh citrus. Polk Packing Association. 332,789; Feb. 25; Serial No. 370,523; published Dec. 17, 1935.
Fruits, Fresh citrus. G. C. Power. 332,791; Feb. 25; Serial No. 371,226; published Dec. 17, 1935.
Fruits, Fresh citrus. G. C. Power. 332,792; Feb. 25; Serial No. 371,229; published Dec. 17, 1935.
Gum, Chewing. Sterling Mint Co. 332,833; Feb. 25; Serial No. 369,581; published Dec. 17, 1935.
Herring, Pickled, salted, and smoked. Otto L. Kuehn Co. 332,757; Feb. 25; Serial No. 370,560; published Dec. 17, 1935.
Oysters, clams, and scallops. Andrew Radel Oyster Company. 110,297; renewed May 16, 1936.
Peas, Frozen green. M. Augenblick & Bro., Inc. 332,701; Feb. 25; Serial No. 371,294; published Dec. 17, 1935.
Pickles, jams, molasses, and vinegar. W. H. Smire. 332,851; Feb. 25.
Pretzels. York Pretzel Bakery. 109,247; renewed Mar. 23, 1936.
Salad dressing. Durkee Famous Foods, Inc. 332,729; Feb. 25; Serial No. 368,292; published Dec. 17, 1935.
Soybean grits. Shellabarger Grain Products Company. 332,813; Feb. 25; Serial No. 367,213; published Dec. 17, 1935.
Syrups, and frozen confections, Maltless. Popsicle Corporation of the United States. 332,790; Feb. 25; Serial No. 366,639; published Dec. 17, 1935.

CLASS 47

Wines. Acampo Winery, Incorporated. 332,669; Feb. 25; Serial No. 370,981; published Dec. 17, 1935.
Wines. L. Caballero. 332,713; Feb. 25; Serial No. 364,889; published Dec. 17, 1935.
Wines. G. Guerrieri. 332,737; Feb. 25; Serial No. 370,610; published Dec. 17, 1935.
Wines. Lyons-Magnus, Inc. 332,765; Feb. 25; Serial No. 370,937; published Dec. 17, 1935.

CLASS 48

Beer, Keg and bottle. Sabinas Brewing Company. 332,606; Feb. 25; Serial No. 369,376; published Dec. 17, 1935.
Beer, stout, ale, and porter. Ebling Brewing Company. 332,730; Feb. 25; Serial No. 370,873; published Dec. 17, 1935.
Malt preparations having diastasic properties. Liquid. Malt-Diastase Co. 111,254; renewed July 4, 1936.

CLASS 49

Brandy. H. A. Markus. 332,772; Feb. 25; Serial No. 366,836; published Sept. 24, 1935.
Brandy, Werker Wine & Liquor Company. 332,845; Feb. 25; Serial No. 371,085; published Dec. 24, 1935.
Brandy and alcoholic cordials and liqueurs. Ed. Phillips & Sons Co. 332,788; Feb. 25; Serial No. 366,604; published Dec. 17, 1935.
Gin. Fairfield Distilling Co. 332,731; Feb. 25; Serial No. 371,425; published Dec. 17, 1935.
Gin and whisky. Geo. G. Sandeman, Sons & Co. Limited. 332,807; Feb. 25; Serial No. 370,907; published Dec. 17, 1935.
Whiskey. Dewhein's Wholesale Liquor Co. 332,724; Feb. 25; Serial No. 371,368; published Dec. 24, 1935.
Whiskey. Fairfield Distilling Co. 332,732; Feb. 25; Serial No. 371,426; published Dec. 17, 1935.
Whiskey. Gooderham & Worts Limited. 332,739; Feb. 25; Serial No. 358,968; published Feb. 12, 1935.
Whiskey. Joseph E. Seagram & Sons, Inc. 332,811; Feb. 25; Serial No. 354,874; published Dec. 24, 1935.
Whiskey. Standard Food Products Corp. 332,827; Feb. 25; Serial No. 371,452; published Dec. 17, 1935.
Whiskey, brandy, gin, etc. Compañia Ron Bacardi, S. A. 332,722; Feb. 25; Serial No. 362,949; published May 21, 1935.
Whiskey, gin, brandy, etc. James Clark Distilling Corporation. 332,721; Feb. 25; Serial No. 371,238; published Dec. 24, 1935.
Whiskey, gin, rum, etc. Standard Distillers Products, Inc. 332,829; Feb. 25; Serial No. 371,324; published Dec. 17, 1935.
Whisky, Scotch. Wm. Sanderson & Son. 332,808; Feb. 25; Serial No. 366,457; published Dec. 24, 1935.
Whisky, Scotch. S. Campbell & Son Ltd. 332,714; Feb. 25; Serial No. 371,336; published Dec. 24, 1935.

CLASS 50

Clearing materials for the use in the beverage industry. Chemische Werke Marienfelde A. G. 332,716; Feb. 25; Serial No. 356,576; published Dec. 17, 1935.
Clearing materials for the use in the beverage industry. Chemische Werke Marienfelde A. G. 332,717; Feb. 25; Serial No. 357,943; published Dec. 17, 1935.
Fiber, Vulcanized. American Vulcanized Fibre Co. 111,159; renewed July 4, 1936.
Peanuts and bonzers. Wright & Ditson. 111,062; renewed June 20, 1936.
Waterproofed textiles. John Boyle & Company. 111,178; renewed July 4, 1936.

LIST OF LABELS

Amo-Lite. For a Cleanser and Water Softener. V. Maggiore. 47,054; Feb. 25.
Asahi Extra Fancy Arkansas Blue Rose Rice. For Rice. West Coast Importing Company. 47,102; Feb. 25.
Baldine. For a Hair Grower. B. Fein. 47,074; Feb. 25.
Berco. For Shoes. Tolman-Davidson Advertising Press, Inc. 47,098; Feb. 25.
"Black Leaf 40" Nicotine Sulphate. For Nicotine Sulphate. Tobacco By-Products & Chemical Corporation. 47,092; Feb. 25.
"Black Leaf 40" Nicotine Sulphate. For Nicotine Sulphate. Tobacco By-Products & Chemical Corporation. 47,094-5; Feb. 25.
"Black Leaf" Worm Pellets for Poultry. For Worm Pellets for Poultry. Tobacco By-Products & Chemical Corporation. 47,091; Feb. 25.
"Black Leaf" Worm Powder. For Worm Powder for Poultry. Tobacco By-Products & Chemical Corporation. 47,093; Feb. 25.
Delicious. For Brownies. Chimes Brownies, Inc. 47,071; Feb. 25.
Donaldson's School Lunch Bread. For Bread. Donaldson Baking Company. 47,073; Feb. 25.
Dosets. For a Sedative and Hypnotic. Melvin Co. 47,084; Feb. 25.
Flare-Fit. For Shoes. Selby Shoe Co. 47,087; Feb. 25.
Graham. For Shoes. Tolman-Davidson Advertising Press, Inc. 47,097; Feb. 25.
Gunther's Lager Beer. For Lager Beer. W. B. Thomsen. 47,090; Feb. 25.
Hadees Fire Kindler. For Fire Kindling. Fishers Grain Company. 47,075; Feb. 25.
Johnson's Automobile Wax. For Automobile Wax. S. C. Johnson & Son, Inc. 47,091; Feb. 25.
Johnson's Flat Varnish. For Flat Varnish. S. C. Johnson & Son, Inc. 47,077; Feb. 25.
Johnson's Klean Floor. For a Cleaner for Waxed Floors. S. C. Johnson & Son, Inc. 47,078; Feb. 25.
Johnson's Quick-Drying Varnish. For Quick-Drying Varnish. S. C. Johnson & Son, Inc. 47,079; Feb. 25.
Johnson's Touch-Up Enamel. For Enamel for Automobiles. S. C. Johnson & Son, Inc. 47,080; Feb. 25.
Kemp's Chocolate Almonds. For Chocolate Almonds. E. F. Kemp, Inc. 47,082; Feb. 25.
La Salle. For Headwear Boxes. Trade Lithograph & Printing Co. 47,099; Feb. 25.
Macy's Personal Palette. For Cosmetics. R. H. Macy & Co. 47,083; Feb. 25.
Melo-Rex. For Cough Syrup. United Drug Company. 47,100; Feb. 25.
Merry Christmas. For Paper Boxes. Chas. A. Stevens & Company. 47,096; Feb. 25.
Modern Melbas. For Crisp Toasted Bread. Brooks Ltd. 47,070; Feb. 25.
Old Harbor. For Blended Whisky. Continental Distilling Corporation. 47,072; Feb. 25.
Overland. For Cigars. C. B. Henschel Mfg. Co. 14,125; renewed Apr. 7, 1936.

Rose's Hair Culture. For a Hair Tonic. E. R. Rose. 47,066; Feb. 25.
Rex-Rub. For an Athlete's Rub. United Drug Company. 47,101; Feb. 25.
Royal Charter. For Scotch Whisky. Governor and Company of Adventurers of England Trading into Hudson's Bay, Commonly Called "Hudson's Bay Company". 47,076; Feb. 25.
Snow King. For Baking Powder. Snow King Baking Powder Co. 47,088; Feb. 25.
Tea Garden. For Grape Juice. Tea Garden Products Co. 47,096; Feb. 25.
Woolee Mulees. For House Slippers for Men, Women and Children. B and B Shoe Company. 47,069; Feb. 25.

LIST OF PRINTS

Broadway. For Chocolates. Daggett Chocolate Company. 15,594; Feb. 25.
Cross-Stitch Garden. For Quilting Cotton. Stearns & Foster Co. 15,603; Feb. 25.
Hollyhocks. For Quilting Cotton. Stearns & Foster Co. 15,602; Feb. 25.
Hollywood. For Quilting Cotton. Stearns & Foster Co. 15,606; Feb. 25.
Jack-O'-Lantern. For Quilting Cotton. Stearns & Foster Co. 15,600; Feb. 25.
Kirk's Old Fashioned Bourbon. For Bourbon Whisky. Kirk, Ross & Wallace, Ltd. 15,595; Feb. 25.
Picks You Up. For Beer. Buckeye Brewing Company. 15,593; Feb. 25.
Redecut Copper Sprinkler Company. For Lawn Sprinkler Systems. Redecut Copper Sprinkler Company. 15,596; Feb. 25.
Snowbound. For Quilting Cotton. Stearns & Foster Co. 15,598; Feb. 25.
The Lone Star. For Quilting Cotton. Stearns & Foster Co. 15,601; Feb. 25.
The Rose Tree. For Quilting Cotton. Stearns & Foster Co. 15,597; Feb. 25.
The Shadow Trail. For Quilting Cotton. Stearns & Foster Co. 15,604; Feb. 25.
The Wild Duck. For Quilting Cotton. Stearns & Foster Co. 15,605; Feb. 25.
Water Lilies. For Quilting Cotton. Stearns & Foster Co. 15,599; Feb. 25.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF FEBRUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adsit, Frank W., St. Paul, Minn., assignor of one-tenth to J. B. Skorstad, Minneapolis, Minn. Television device. 19,868; Feb. 25.

Bendix Brake Company. (See Sanford, Roy S., assignor.)

Hiebtreu, Herman, Darmstadt, Germany, and L. B. Eberlein, Chicago, Ill., assignors to Freyn Engineering Company, Chicago, Ill. Fine gas cleaning apparatus. 19,865; Feb. 25.

Desmond, John J. Hubbard Woods, Ill., assignor to Line Material Company, South Milwaukee, Wis. Gang operated switch. 19,864; Feb. 25.

Eastman, Joseph P., Manitowoc, Wis. Hose coupling. 19,869; Feb. 25.

Eberlein, John B. (See Hiebtreu, H., and Eberlein.)

Eberly Register Company, The. (See Pfeiffer, William C., assignor.)

Epstein, Alex, assignor to Epstein & Hammer, Inc., Brooklyn, N. Y. Knitted cap or similar article. 19,866; Feb. 25.

Epstein & Hammer, Inc. (See Epstein, Alex, assignor.)

Freyn Engineering Company. (See Hiebtreu, H., and Eberlein, assignors.)

Goder, Max, Nonza, Germany, assignor to United States Envelope Company, Springfield, Mass. Folding of envelope blanks and the like. 19,867; Feb. 25.

Grindrod, George, Oconomowoc, Wis., assignor to Grindrod Process Corporation, Waukesha, Wis. Food product and manufacturing the same. 19,863; Feb. 25.

Grindrod Process Corporation. (See Grindrod, George, assignor.)

Jones, Leo D., assignor to The Sharples Specialty Company, Philadelphia, Pa. Method and apparatus for avoiding shock chill in precipitating substances from liquids. 19,869; Feb. 25.

Lederer, Ernest A., Glen Ridge, and J. W. Marden, East Orange, N. J., assignors to Westinghouse Lamp Company. Electron discharge device with indirectly heated cathode. 19,870; Feb. 25.

Line Material Company. (See Desmond, John J., assignor.)

Marden, John W. (See Lederer, E. A., and Marden.)

Pfeiffer, William C., assignor to The Eberly Register Company, Dayton, Ohio. Apparatus for handling multiple paper strips. 19,871; Feb. 25.

Sanford, Roy S., New York, N. Y., assignor, by mesne assignments, to Bendix Brake Company, Chicago, Ill. Vehicle brake. 19,872; Feb. 25.

Sharples Specialty Company, The. (See Jones, Leo D., assignor.)

Skorstad, James B. (See Adsit, Frank W., assignor.)

Thrush, H. A., & Co. (See Thrush, Homer A., assignor.)

Thrush, Homer A., assignor to H. A. Thrush & Co., Peru, Ind. Hot water heating system. 19,873; Feb. 25.

United States Envelope Company. (See Goder, Max, assignor.)

Victor, John H., Wilmette, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Skeleton metal-backed gasket. 19,874; Feb. 25.

Victor Manufacturing & Gasket Company. (See Victor, John H., assignor.)

Westinghouse Lamp Company. (See Lederer, E. A., and Marden, assignors.)

LIST OF PLANT PATENTEES

Spandikow, William, Jr., assignor to William Spandikow & Sons, Maywood, Ill. Rose. 167; Feb. 25.

Spandikow, William, & Sons. (See Spandikow, William, Jr., assignor.)

LIST OF DESIGN PATENTEES

American Lace Mfg. Co., The. (See Hucknall, Hage W., assignor.)

Anchor Cap & Closure Corporation. (See Fleisch, Joseph R., assignor.)

Anderson, Harry G., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Character bearing link for cravat holders or analogous articles. 98,707; Feb. 25.

Anderson, Harry G., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Character bearing link for cravat holders or analogous articles. 98,708; Feb. 25.

Anderson, Harry G., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Character bearing link for cravat holders or analogous articles. 98,709; Feb. 25.

Atkins, Thomas R., Cliftondale, assignor to Schoinick Shoe Co., Jamaica Plain, Mass. Shoe. 98,657; Feb. 25.

Ault-Williamson Shoe Co. (See Baldwin, Haviland D., assignor.)

Bachmeyer, George J., Kalamazoo, Mich. Garment hanger. 98,710; Feb. 25.

Baldwin, Haviland D., assignor to Ault-Williamson Shoe Co., Auburn, Maine. Shoe. 98,744; Feb. 25.

Ball Brothers Company. (See Petty, Fred J., assignor.)

Barocas, Abraham J., Brooklyn, N. Y. Wreath. 98,658; Feb. 25.

Bell, Elmer, assignor to Bryce Brothers Company, Mount Pleasant, Pa. Footed goblet or similar article. 98,659; Feb. 25.

Ben-Burk, Inc. (See Berkowitz, Hyman C., assignor.)

Berkowitz, Hyman C., assignor to Ben-Burk, Inc., Boston, Mass. Bottle. 98,711; Feb. 25.

Bischof, George, New York, N. Y. Embroidered textile fabric. 98,712; Feb. 25.

Briner, Donn, Chicago, Ill. Statuette. 98,713; Feb. 25.

Bryce Brothers Company. (See Bell, Elmer, assignor.)

Bunting Glider Company. (See Terker, Harry J., assignor.)

Burnelli Aircraft, Ltd. (See Burnelli, Vincent J., assignor.)

Burnelli, Vincent J., Keyport, N. J., assignor to Burnelli Aircraft, Ltd. Airplane. 98,660; Feb. 25.

Cargill, Lafayette F., Michigan City, Ind. Identification emblem. 98,714; Feb. 25.

Cole, Ira, assignor to Mittag & Volger, Incorporated, Park Ridge, N. J. Box. 98,662; Feb. 25.

Crary, Charles, Chicago, Ill. Ball float valve. 98,661; Feb. 25.

Dietzgen, Eugene, Company. (See Langaner, Adolph, assignor.)

Duff, Doyle, Burrton, J. C. Elliott, and J. J. Flickinger, Halstead, Kans. Display light for an automobile. 98,663; Feb. 25.

Edelman, Philip E., Chicago, Ill. Electrical humidifier. 98,664; Feb. 25.

Elliott, John C. (See Duff, D., Elliott, and Flickinger.)

Elmer, Leon H., San Jose, Calif. Plant container. 98,665; Feb. 25.

Englehm, Bernard A., Shaker Heights, assignor to The Rola Company, Cleveland, Ohio. Loudspeaker faceplate. 98,715; Feb. 25.

Evans Case Company. (See Reilly, Alfred F., assignor.)

Fago, Louis, Chicago, Ill. Brooch. 98,666; Feb. 25.

Faulhaber, Roland W., assignor to The Troxel Mfg. Company, Elyria, Ohio. Saddle. 98,667; Feb. 25.

Feldermann, William, South Orange, N. J. Humidifier. 98,716; Feb. 25.

Fleisch, Joseph R., Clifton, N. J., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Closure cap or similar article. 98,717; Feb. 25.

Flickinger, Jacob J. (See Duff, D., Elliott, and Flickinger.)

Fourness, Charles A., Appleton, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Paper handkerchief or similar article. 98,745; Feb. 25.

Franklin, Lester K., Chicago, Ill. Combined fish bowl and stand. 98,718; Feb. 25.

Franklin Simon & Co. (See Markowitz, Abe, assignor.)

Franklin Simon & Co. (See Porpora, Mary, assignor.)

Freysinger, John B., New Britain, Conn. Buckle. 98,668; Feb. 25.

Fukal, Alfred F., Chicago, Ill. Food mixer. 98,669; Feb. 25.
General Electric Company. (See Patten, Raymond E., assignor.)
Gordon, Anne, New York, N. Y. Shoe. 98,670; Feb. 25.
Greenspan, Abraham, New York, N. Y. Ensemble dress. 98,719; Feb. 25.
Harner, August, Flushing, N. Y. Textile fabric. 98,671; Feb. 25.
Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 98,720; Feb. 25.
Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 98,721; Feb. 25.
Hamre, Marion R., Brooklyn, N. Y. Printed textile fabric or similar article. 98,722; Feb. 25.
Hickok Manufacturing Company. (See Anderson, Harry G., assignor.)
Hood Rubber Company. (See Jay, Walter, assignor.)
Huber, Otto E., Reading, assignor to The Narrow Fabric Company, West Reading, Pa. Elastic fabric. 98,723; Feb. 25.
Huber, Otto E., Reading, assignor to The Narrow Fabric Company, West Reading, Pa. Elastic fabric. 98,724; Feb. 25.
Hucknall, Hage W., assignor to The American Lace Mfg. Co., Elyria, Ohio. Lace. 98,672; Feb. 25.
Hyde, A. R., & Sons Co. (See Klein, Hyman, assignor.)
Hyde, Ralph A., Brookline, Mass. Shoe or article of analogous nature. 98,673; Feb. 25.
Hyde, Ralph A., Brookline, Mass. Shoe or article of analogous nature. 98,674; Feb. 25.
International Cellucotton Products Company. (See Fourness, Charles A., assignor.)
Joy, Walter, Belmont, assignor to Hood Rubber Company, Inc., Watertown, Mass. Battery box. 98,675; Feb. 25.
Keeler Brass Company. (See Rettich, Kurt, assignor.)
Klein, Hyman, Lyn, assignor to A. R. Hyde & Sons Co., Cambridge, Mass. Shoe or article of analogous nature. 98,676; Feb. 25.
Kleven, Samuel L., Swampscott, Mass. Shoe or article of analogous nature. 98,677; Feb. 25.
Knox, Malcolm R., assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Combined oil burner casing and support therefor. 98,725; Feb. 25.
Knox, Malcolm R., assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Combined oil burner casing and support therefor. 98,726; Feb. 25.
Landgraf, Fred. (See Lewis, P. M., and Landgraf.)
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Transit. 98,678; Feb. 25.
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Transit support. 98,679; Feb. 25.
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Transit plate. 98,680; Feb. 25.
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Dumpy level. 98,681; Feb. 25.
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Y level. 98,682; Feb. 25.
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Level support. 98,683; Feb. 25.
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Vial housing unit. 98,684; Feb. 25.
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Telescope. 98,685; Feb. 25.
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Telescope. 98,686; Feb. 25.
Lewis-American Airways, Inc. (See Lewis, P. M., and Landgraf, assignors.)
Lewis, Paul M., and F. Landgraf, assignors to Lewis-American Airways, Inc., Denver, Colo. Airplane. 98,727; Feb. 25.
Markewitz, Abe, assignor to Franklin Simon & Co. Inc., New York, N. Y. Dress. 98,728; Feb. 25.
Maurer, Clarence D., assignor to The Narrow Fabric Company, West Reading, Pa. Elastic fabric. 98,729; Feb. 25.
Mausolf, George A., Waterbury, Conn. Soap bubble pipe. 98,687; Feb. 25.
McCulloch, Frankie L., Branson, Mo. Doll. 98,731; Feb. 25.
McCullough, Edward J., New York, N. Y., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 98,732; Feb. 25.
Meltzer, Leo A., Seattle, Wash. Combined telephone base and pad holder. 98,732; Feb. 25.
Meyer, Samuel J., New York, N. Y. Shoe. 98,688; Feb. 25.
Miller, Michael S., Thompsonville, Conn. Carpet. 98,746; Feb. 25.
Mittag & Volger, Incorporated. (See Cole, Ira, assignor.)
Narrow Fabric Company, The. (See Huber, Otto E., assignor.)
Narrow Fabric Company, The. (See Maurer, Clarence D., assignor.)
Narrow Fabric Company, The. (See Strupp, August K., assignor.)
Nichols, Edgar B., Moorestown, N. J. Dispensing device. 98,733; Feb. 25.
Olean Glass Company. (See Smith, George, Jr., assignor.)
Orrison, Chester E., assignor of one-half to J. E. Reed, Chicago, Ill. Dental floss magazine. 98,734; Feb. 25.
Owens-Illinois Glass Company. (See McCullough, Edward J., assignor.)
Patten, Raymond E., Bridgeport, Conn., assignor to General Electric Company. Portable electric food mixing device. 98,689; Feb. 25.
Petty, Fred L., assignor to Ball Brothers Company, Muncie, Ind. Bottle. 98,735; Feb. 25.
Pomerantz, Samuel L., New York, N. Y. Combined supporting tray and powder pad display. 98,690; Feb. 25.
Porpora, Mary, assignor to Franklin Simon & Co. Inc., New York, N. Y. Dress. 98,736; Feb. 25.
Putman, Solomon, Newark, N. J. Buckle. 98,691; Feb. 25.
Reed, Joel E. (See Orrison, Chester E., assignor.)
Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Razor handle. 98,692; Feb. 25.
Rettich, Kurt, assignor to Keeler Brass Company, Grand Rapids, Mich. Drawer pull or similar article. 98,693; Feb. 25.
Rettich, Kurt, assignor to Keeler Brass Company, Grand Rapids, Mich. Drawer pull or similar article. 98,694; Feb. 25.
Richardson, Bayard E., and E. W. Willey, Grand Rapids, Mich. Coin controlled phonograph. 98,737; Feb. 25.
Ritz-Woller, Oliver C., Chicago, Ill. Combined truck mirror and support therefor. 98,695; Feb. 25.
Rogers, Walter, Bay Shore, N. Y. Fruit holder or similar article. 98,696; Feb. 25.
Rola Company, The. (See Magheim, Bernard A., assignor.)
Schiller, Hyman, New York, N. Y. Suspender. 98,738; Feb. 25.
Scholnick Shoe Co. (See Atkins, Thomas B., assignor.)
Silent Glow Oil Burner Corporation, The. (See Knox, Malcolm R., assignor.)
Smith, George, Jr., assignor to Olean Glass Company, Olean, N. Y. Bottle. 98,739; Feb. 25.
Strupp, August K., Reading, assignor to The Narrow Fabric Company, West Reading, Pa. Elastic fabric. 98,740; Feb. 25.
Swasey, Edward S., assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Baby's crib. 98,697; Feb. 25.
Thieb, Gaston, New York, N. Y. Toilet powder container. 98,741; Feb. 25.
Terker, Harry J., assignor to Bunting Glider Company, Philadelphia, Pa. Chair frame. 98,698; Feb. 25.
Terker, Harry J., assignor to Bunting Glider Company, Philadelphia, Pa. Chair frame. 98,699; Feb. 25.
Trimble Nurseryland Furniture, Inc. (See Swasey, Edward S., assignor.)
Troxel Mfg. Company, The. (See Faulhaber, Roland W., assignor.)
Waldman, Mitchell, New York, N. Y. Setting for precious stones. 98,742; Feb. 25.
Waldman, Mitchell, New York, N. Y. Setting for precious stones. 98,743; Feb. 25.
Watson, Carlisle V., Auburn, Maine. Shoe. 98,700; Feb. 25.
Wiener, Joseph D., New York, N. Y. Lace. 98,701; Feb. 25.
Wiener, Joseph D., New York, N. Y. Lace. 98,702; Feb. 25.
Wiener, Joseph D., New York, N. Y. Lace. 98,703; Feb. 25.
Wiener, Joseph D., New York, N. Y. Lace. 98,704; Feb. 25.
Wiener, Joseph D., New York, N. Y. Lace. 98,705; Feb. 25.
Willey, Richard W. (See Richardson, E. E., and Willey.)
Winkler, Lillian S., El Paso, Tex. Ash tray. 98,706; Feb. 25.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF FEBRUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aalberg, Christian. (See Conrad, F., Aalborg, and French.)
Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Apparatus for fluid treating fibrous materials. 2,031,626; Feb. 25.
Abbott Machine Company. (See Abbott, Edward J., assignor.)
Abrams, Jack B., Chicago, Ill. Framed mirror. 2,031,627; Feb. 25.
Ach, Lorenz, Mannheim-Waldhof, and W. Dircoherl, Heidelberg, Germany, assignors to Rare Chemicals, Inc., Nepera Park, N. Y. Sexual hormone derivatives. 2,031,561; Feb. 25.
Adair, Samuel E. (See Jenkins, J. E., and Adair.)
Adams, Harry D., Boston, Mass. Hinge. 2,032,078; Feb. 25.
Aherne, Francis E., Tufts College, Mass., Road surface mixing device. 2,031,628; Feb. 25.
Air Reduction Company. (See Anderson, James L., assignor.)
Air-Way Electric Appliance Corporation. (See Riebel, F., Jr., Dow, and Child, assignors.)
Ajax Electrothermic Corporation. (See Northrup, Edwin F., assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Oertel, Wilhelm, assignee.)
Allegheny Steel Company. (See Porter, Harry F., assignee.)
Allen, W. D., Manufacturing Company. (See Meng, Harry R., assignor.)
Alm, Johan R., assignor to Baltzar Carl von Platen, Stockholm, Sweden. Conversion of alternating currents into direct current or vice versa. 2,031,562; Feb. 25.
American Cast Company. (See Wardell, William J., assignor.)
American Chain Company. (See Rothard, O. H., and Kuhlman, assignors.)
American District Telegraph Company. (See Johnson, C. C., Hopkins, and Spamer, assignors.)
American Floor Surfacing Machine Company. (See Myers, Harry L., assignor.)
American Hair & Felt Company. (See Clements, A. L., and Calsmer, assignors.)
American Radiator Company. (See Cornell, Edward S., Jr., assignor.)
American Rolling Mill Company, The. (See Caufield, J. J., and McGohan, assignors.)
American Telephone & Telegraph Company. (See Carson, Arthur, assignor.)
American Telephone and Telegraph Company. (See Espenschied, L., and Monk, assignors.)
American Telephone and Telegraph Company. (See Kyquist, Harry, assignor.)
Andersen, Harvey E. (See Veysey, V. V., and Andersen.)
Anderson, Carl O. (See Davis, E. H., Anderson, and Stengl.)
Anderson, Howard P., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Stoker conveyer. 2,032,336; Feb. 25.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Torch for welding seams along curving surface. 2,031,583; Feb. 25.
Anderson Orchard Company. (See Anderson, W. Charles, assignor.)
Anderson, W. Charles, assignor to Anderson Orchard Company, Linden, Calif. Walnut huller. 2,031,810; Feb. 25.
Andrews, Edward F., Chicago, Ill. Radio receiving set. 2,031,997; Feb. 25.
Ansonia O & C Company, The. (See Fassett, Wallace F., assignor.)
Apotheker, Carl. (See Beahöte, G., and Apotheker.)
Apple, Reesie D. (See Cotterman, Frederick W., assignor.)
Armour and Company. (See Potts, Ralph H., assignor.)
Armstrong, Sir W. G., Whitworth Aircraft Limited. (See Murray, C. V., and Lloyd, assignors.)
Armstrong, Walter J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Rotary reducing machine. 2,031,693; Feb. 25.
Arnold, Arthur A. (See Gilbert, A. C., and Arnold.)
Artcraft Venetian Blind Company. (See Victori, August T., assignor.)
Artcraft Venetian Blind Company. (See Woodruff, George, assignor.)
Arutunoff, Armais. (See Brown, C. C., Van Wert, and Arutunoff.)
Asbury, Arthur B. (See Smith, H., Schiedel, and Asbury.)
Ashe, William O., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Car underframe structure. 2,032,195; Feb. 25.
Associated Inventions, Inc. (See Kern, William H., assignor.)
Atkins, Stuart A., Westfield, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated textile material. 2,031,629; Feb. 25.
Atmospheric Nitrogen Corporation. (See O'Leary, John J., assignor.)
Auditone Company. (See Kiel, John R., assignor.)
Austin, Walter S., Grand Rapids, Mich. Axle driving construction. 2,031,584; Feb. 25.
Austin, William W., et al. (See Tiedemann, Clinton C., assignor.)
Auth, Charles, New York, N. Y. Paging system. 2,032,037; Feb. 25.
Auth, Charles, New York, N. Y. Electric signal receptacle and plug. 2,032,038; Feb. 25.
Autographic Register Company. (See Brenn, Carl W., assignor.)
Azzaro, Eugenio A., San Francisco, Calif. Surf fishing device. 2,031,811; Feb. 25.
Baciagalupi, Joseph M., Oakland, assignor to E. J. Sweetland, Piedmont, Calif. Extensible coupling. 2,031,754; Feb. 25.
Barby, Ralph R., Evanston, Ill. Filling machine. 2,032,163; Feb. 25.
Bailleul, Gustav. (See Jaenicke, M., and Bailleul.)
Baird, John L., London, England. Cinematographic rectifying system. 2,032,164; Feb. 25.
Bakelite Building Products Co. Inc. (See Harshberger, Norman P., assignor.)
Baker, Paul R. (See Ekserdjian, C. L., and Baker.)
Baker, Roy J. (See North, G. H., and Baker.)
Baldwin-Southward Corporation. (See McKee, G. S., and Galson, assignors.)
Ball, Harry V., Concord, Mass., assignor to Irving Trust Company, Permanent Trustee for R. Hoe & Co., Inc., New York, N. Y. Web roll controlling mechanism for printing machines. 2,032,339; Feb. 25.
Ballou, Howard M., assignor to E. Blackinton & Co., North Attleboro, Mass. Producing engraved patterns for silverware and the like. 2,032,039; Feb. 25.
Baranowski, Charles L., South Bend, Ind. Combined salt and pepper shaker. 2,031,755; Feb. 25.
Barnett, Harold M., Cleveland, W. O. Frahring, Shaker Heights, and A. F. O. Germann, assignors to S. M. A. Corporation, Cleveland, Ohio. Extracting carotene. 2,032,165; Feb. 25.
Barrett, Arthur M., and L. N. Udell, Chicago, Ill. Method of and apparatus for making ice. 2,031,812; Feb. 25.
Barrett, Walter A., Fort Wayne, Ind. Bottle filling and capping machine. 2,032,040; Feb. 25.
Barrows, Donald S., assignor to The Symington Company, Rochester, N. Y. Draft rigging. 2,032,340; Feb. 25.
Barrows, Donald S., assignor to The Symington Company, Rochester, N. Y. Cushioning mechanism. 2,032,341; Feb. 25.
Bartlett, C. O., & Snow Company, The. (See Goodell, F. H., and Ross, assignors.)
Bartlett Hayward Company, The. (See Koether, Emil A., assignor.)
Batsel, Cecil N., Collingswood, and E. W. Kellogg, Moorestown, N. J., assignors to Radio Corporation of America. Phonophotographic apparatus. 2,031,813; Feb. 25.
Baughman, George W., Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control circuit for electric brakes. 2,032,106; Feb. 25.
Baum, John L., Ephrata, Pa. Clothes hanger. 2,032,248; Feb. 25.
Bayle, Russell M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor control system. 2,032,107; Feb. 25.
Beam, Vilynn O. (See Branche, N. T., and Beam.)
Beck, Rudolf, assignor to Consolidated Ashcroft Hancock Company, Inc., Bridgeport, Conn. Differential control apparatus. 2,032,041; Feb. 25.
Bedford, Reginald A., Stumperlowe, Sheffield, England. Device for removing drills or other articles from their shafts. 2,031,814; Feb. 25.
Beers, George H., Wabuska, Nev. Ore crushing mill. 2,032,247; Feb. 25.
Belknap, William L., Stratford, Conn. Heat responsive valve. 2,031,630; Feb. 25.
Bell & Howell Company, The. (See Howell, Albert S., assignor.)

Bell Punch Company Limited. (See Degen, Alexander A. C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bennett, A. F., and Gordon, Jr., assignors.)

Bell Telephone Laboratories, Incorporated. (See Bonomi, Felix A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Corwin, Thomas L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Dugald, J. M., and Sole, assignors.)

Bell Telephone Laboratories, Incorporated. (See Glunt, Omer M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)

Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hartley, Ralph V. L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Horton, Joseph W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Mellick, John M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Romnes, Haakon I., assignor.)

Bell Telephone Laboratories, Incorporated. (See Tromp, G. P., and Neill assignors.)

Bell Telephone Laboratories, Incorporated. (See Wiebusch, Charles F., assignor.)

Beloit Iron Works. (See Hornbostel, Lloyd, assignor.)

Bemis, Albert F., Newton, assignor to Bemis Industries, Incorporated, Boston, Mass. Building construction. 2,031,831; Feb. 25.

Bemis Bro. Bag Co. (See Hanneweld, B. A., and Ingstad, assignors.)

Bemis Industries, Incorporated. (See Bemis, Albert F., assignor.)

Bendix Aviation Corporation. (See House, Bryan E., assignor.)

Bendix Aviation Corporation. (See Kohr, Robert F., assignor.)

Bendix Brake Company. (See Dodge, Adiel Y., assignor.)

Bendix Brake Company. (See Parker, H. F., and House, assignors.)

Bendix Brake Company. (See Turgot, Robert C. L. P., assignor.)

Bendix Products Corporation. (See Budd, Clarence E., assignor.)

Bendix Products Corporation. (See Hunt, Scott F., assignor.)

Benedek, Elek K., assignor to The Hydraulic Press Mfg. Company, Mount Gilead, Ohio. Pump or meter. 2,031,079; Feb. 25.

Bennett, Arthur F., Richmond Hill, N. Y., and M. K. Gordon, Jr., Newark, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifying system. 2,031,919; Feb. 25.

Benshimol, Ernest, Arlington, Mass. Geometric tool. 2,031,920; Feb. 25.

Berger, Fred H., Los Angeles, Calif. Tile spacer. 2,031,054; Feb. 25.

Berman, Louis C., assignor to Depict Tool Co., Chicago, Ill. Lifting jack. 2,031,815; Feb. 25.

Bernard, Auguste L. R., deceased, late of Rueil-Malmaison, France, by R. Bernard, née Bournonville, executrix, Paris, France. Two-stroke engine. 2,032,108; Feb. 25.

Bernard, Rene, née Bournonville, executrix. (See Bernard, Auguste L. R.)

Berthold, Edward H. (See Buckels, Christopher C., assignor.)

Bertsch, Heinrich, Chemnitz, assignor to H. Th. Böhme Aktiengesellschaft, Chemnitz, Germany. Production of esters. 2,032,813; Feb. 25.

Bertsch, Heinrich, assignor to the firm H. Th. Böhme Aktiengesellschaft, Chemnitz, Germany. Esters of sulphonated carboxylic acids. 2,032,814; Feb. 25.

Best Brothers Keene's Cement Company, The. (See Best, J. C., and Marsh, assignors.)

Best Brothers Keene's Cement Company, The. (See Marsh, Frank L., assignor.)

Best, John C., and F. L. Marsh, assignors to The Best Brothers Keene's Cement Company, Medicine Lodge, Kans. Producing light weight plasters. 2,031,836; Feb. 25.

Bethlehem Steel Company. (See Nieman, H. W., and Linderman, assignors.)

Bevis, Frank P. (See Lee, B., and Bevis.)

Biebel, Herman M. (See Jackson, B. P., and Biebel.)

Binapel, Josef, and J. Kuchenbuch, Krefeld-Uerdingen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of condensation products. 2,031,580; Feb. 25.

Bingham Stamping & Tool Company, The. (See Snell, Samuel A., assignor.)

Bins, John G., St. Paul, Minn. Dog bed or the like. 2,032,348; Feb. 25.

Bishop, Clifford E., Rego Park, assignor to Northam Warren Corporation, New York, N. Y. Fingernail polish remover. 2,032,042; Feb. 25.

Blackinton, E., & Co. (See Ballou, Howard M., assignor.)

Blake, Eli J. (See Pipkin, M. E., and Blake.)

Blake, Joseph H., Seattle, Wash. Rod or tool connector. 2,032,196; Feb. 25.

Blakeslee, Edward L., Oak Park, assignor to G. S. Blakeslee & Co., Cicero, Ill. Dishwashing machine. 2,031,816; Feb. 25.

Blakeslee, G. S., & Co. (See Blakeslee, Edward L., assignor.)

Blanchard, Adna F., Providence, R. I., assignor to Tryon Viscometer Corporation, Elmira, N. Y. Comparative viscosity device. 2,032,197; Feb. 25.

Blewett, John, assignor to The Murray Company, Dallas, Tex. Machine for cleaning seed cotton and for extracting the seed cotton from burrs and bolls. 2,031,887; Feb. 25.

Bliss, Louis V., Calgary, Alberta, Canada. Bearing pulling tool. 2,031,966; Feb. 25.

Bloomer Bros. Company. (See Klefeker, Charles B., assignor.)

Blue Moon Cheese Products, Inc. (See Speer, Lambert R., assignor.)

Bodendieck, Henry W., assignor to Tipe Tool Company, Inc., Taylorville, Ill. Grounding set. 2,031,921; Feb. 25.

Boesching, Ewald, Brooklyn, assignor to International Projecter Corporation, New York, N. Y. Film feeding mechanism for films having sound track. 2,031,756; Feb. 25.

Boettcher, Gustav A., Richmond Hill, N. Y. Thread restoring tool. 2,032,198; Feb. 25.

Bogart, Leonard H., Comanche, Okla. Tank gauge. 2,031,909; Feb. 25.

Böhme, H. Th., Aktiengesellschaft. (See Bertsch, Heinrich, assignor.)

Bolesky, John D., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Hinge structure. 2,032,109; Feb. 25.

Bomber, William J., Green Bay, Wis. Lingerie clasp. 2,031,685; Feb. 25.

Bonhôte, Gérald, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Stable solid diazosalts and making same. 2,032,110; Feb. 25.

Bonhôte, Gérald, Basel, and C. Apotheker, Riehen, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Blue dyeing azodyestuffs. 2,032,111; Feb. 25.

Bonner, Daniel M., Philadelphia, Pa. Thread printing apparatus selector mechanism. 2,032,043; Feb. 25.

Bonomi, Felix A., St. Albans, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,031,922; Feb. 25.

Booth, Clement. (See Einstein, E., Booth and Haas.)

Borel, Charles, Geneva, Switzerland. Installation for compiling and collaborating statistical data. 2,031,686; Feb. 25.

Boren, Clarence H. (See McCarty, Madison P., assignor.)

Borg-Warner Corporation. (See Simpson, John M., assignor.)

Boriski, Martin J., Houston, Tex. Pressing machine. 2,031,687; Feb. 25.

Bosch, Robert, Aktiengesellschaft. (See Stoll, Hermann, assignor.)

Bottoms, Robert R., assignor to The Girdler Corporation, Louisville, Ky. Recovering acidic gases from gaseous mixtures. 2,031,632; Feb. 25.

Boura, Leslie E. A., Ashford, assignor to The John Compton Organ Company, Limited, London, England. Electrical musical instrument. 2,032,044; Feb. 25.

Bowen, Kenneth H., assignor to Columbian Rope Company, Auburn, N. Y. Abrasive supporting member and producing same. 2,032,249; Feb. 25.

Bowen, William S., Westfield, N. J. Fan and motor construction. 2,031,688; Feb. 25.

Bower, Bert H., Gloversville, N. Y. Leather product and producing it. 2,032,250; Feb. 25.

Bowles, Edward L., Watertown, Mass. Measuring dynamic characteristics. 2,031,923; Feb. 25.

Bowles, Edward L., Wellesley Farms, Mass. Measuring dynamic characteristics. 2,031,924; Feb. 25.

Bowles, Edward L., Wellesley Farms, Mass. Measuring dynamic characteristics. 2,031,925; Feb. 25.

Bowles, Edward L., Wellesley Farms, Mass. Electric meter. 2,031,926; Feb. 25.

Boynton, Arthur J., Winnetka, assignor to H. A. Brassert & Company, Chicago, Ill. Apparatus for burning fuel. 2,031,757; Feb. 25.

Brackett Stripping Machine Company, The. (See Daneke, D., and Williams, assignors.)

Braden, Rene A., Merchantville, N. J., assignor to Radio Corporation of America. Energizing circuits for space discharge devices. 2,032,199; Feb. 25.

Bradford, Arthur J., Alpiaus, N. Y., assignor to General Electric Company. Film driving apparatus. 2,031,817; Feb. 25.

Bragg-Kliesrath Corporation. (See Kliesrath, Victor W., assignor.)

Braithwaite, Isaac, & Son Engineers Limited. (See Stillfox, William H., assignor.)

Branche, Nelson T., and V. O. Beam, assignors to Surface Combustion Corporation, Toledo, Ohio. Compensated pilot-controlled thermostat. 2,032,045; Feb. 25.

Branche, Nelson T., assignor to Surface Combustion Corporation, Toledo, Ohio. Control mechanism for burners. 2,032,046; Feb. 25.

Braselton, Chester H., New York, N. Y., assignor to Sirian Lamp Company, Newark, N. J. Lamp. 2,031,927; Feb. 25.

Brassert, H. A., & Company. (See Boynton, Arthur J., assignor.)

Brecht, Winston A., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Axle generator drive. 2,032,112; Feb. 25.

Brendel, Max E., assignor to Streeter-Amet Company, Chicago, Ill. Control mechanism. 2,032,113; Feb. 25.

Brens, Carl W., Montclair, assignor to Autographic Register Company, Hoboken, N. J. Typewriting machine. 2,031,928; Feb. 25.

Breuer, Armin, Berlin, Germany. Paper conveying device for sheets, especially for use in office printing machines. 2,032,166; Feb. 25.

Breuers, Wilhelm, Ludwigshafen-on-the-Rhine, H. Mark, Mannheim, and E. Konrad, Leverkusen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Impregnation of materials. 2,031,929; Feb. 25.

Bridgeport Brass Company. (See Tobelman, Gustave H., assignor.)

Briggs Manufacturing Company. (See Ross, F. M., and Johnson, assignors.)

Briggs Manufacturing Company. (See Tjaarda, John, assignor.)

Brillhart, George A., Indianapolis, Ind. Golf ball scrubber. 2,031,683; Feb. 25.

Brooks, Henry, Forest Junction, Wis. Potato planter. 2,032,251; Feb. 25.

Brown Bag Filling Machine Company, The. (See Chandler, Austin S., assignor.)

Brown, Charley C., Ponca City, S. N. Van Wert, and A. Arutunoff, assignors to Reda Pump Company, Bartlesville, Okla. Raising fluid from deep oil and water wells. 2,032,000; Feb. 25.

Brown Company. (See Moore, Hugh K., assignor.)

Brown Company. (See Richter, George A., assignor.)

Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Tractor. 2,031,758; Feb. 25.

Brown, William H., Cleveland, Ohio. Cigarette vending machine. 2,032,001; Feb. 25.

Bryan, Charles S. (See Fiske, A. H., and Bryan.)

Buc, Hyym B., Roselle, N. J., assignor to Standard Oil Development Company. Stabilized refined mineral, vegetable, and animal oils. 2,031,930; Feb. 25.

Buckels, Christopher C., assignor of one-half to E. E. Berthold, Chicago, Ill. Outlet box. 2,031,689; Feb. 25.

Buckeye Steel Castings Company, The. (See Johnson, George T., assignor.)

Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing axle. 2,031,818; Feb. 25.

Budd, Clarence E., assignor to Bendix Products Corporation, South Bend, Ind. Brake shield. 2,031,690; Feb. 25.

Budd, Edward G., Manufacturing Co. (See Ekvergian, C. L., and Baker, assignors.)

Budd Wheel Company. (See Tarbox, John P., assignor.)

Bungartz, Everhard. (See Kaufmann, W., and Bungartz.)

Bunten, Theodore W. (See Cleveland, T. W., and Bunten.)

Burckhalter, Robert N., and J. M. Osburn, Michigan City, Ind., assignor to Michiana Products Corporation. Filter. 2,031,589; Feb. 25.

Burke, William F., assignor to The McBee Company, Athens, Ohio. Printing press for printing spots of wax carbon on sheets of paper. 2,032,047; Feb. 25.

Burnelli Aircraft, Ltd. (See Burnelli, Vincent J., assignor.)

Burnelli, Vincent J., Keyport, N. J., assignor to Burnelli Aircraft, Ltd. Airplane. 2,031,876; Feb. 25.

Burrow, Herbert T., Beaver Dam, assignor to Malleable Iron Range Company, Beaver Dam, Wis. Range. 2,032,252; Feb. 25.

Bush, Vannevar, Medford, Mass., assignor, by mesne assignments to Raytheon Manufacturing Company, Newton, Mass. Amplifying system. 2,032,253; Feb. 25.

Budek, William A., assignor to A. E. Fellner, Belleville, Ill. 2,032,048; Feb. 25.

Butler, James C., Vancouver, British Columbia, Canada. Shake splitting machine. 2,031,877; Feb. 25.

Butler, Joseph D. (See Butler, Ludovica and J. D.)

Butler, Ludovica and J. D., San Francisco, Calif. Bird feed receptacle. 2,031,874; Feb. 25.

Cadaco, Ltd. (See Wiener, Martin L., assignor.)

Caldwell, Frank W., Pittsburgh, Pa., assignor, by mesne assignments to United Aircraft Corporation. Adjustable pitch propeller. 2,032,254; Feb. 25.

Caldwell, Frank W., West Hartford, Conn., assignor, by mesne assignments to United Aircraft Corporation. Propeller. 2,032,255; Feb. 25.

Calsmer, Walter H. (See Clements, A. L., and Calsmer.)

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,032,002; Feb. 25.

Campbell, Sterling H., and F. H. Pietzsch, assignors to Railway Devices Company, St. Louis, Mo. Brake beam safety support. 2,031,691; Feb. 25.

Canfield, Jesse J., and G. W. McGohan, assignors to The American Rolling Mill Company, Middletown, Ohio. Metal articles for coating. 2,032,256; Feb. 25.

Carbo-Norit-Union Verwaltungs-Gesellschaft m. b. H. (See Jaenicke, M., and Bailleul, assignors.)

Carlson, William. (See Patton, Cleon E., assignor.)

Carmichael, William A., assignor to C. F. Church Mfg. Co., Hamden, Conn. Lock-on toilet seat hinge. 2,032,257; Feb. 25.

Carpenter, Morris T. (See Roberts, J. K., and Carpenter.)

Carson, Arthur, Richmond, Va., assignor to American Telephone & Telegraph Company. Telephone system. 2,031,692; Feb. 25.

Cartin, James D., Watertown, N. Y., assignor to The New York Air Brake Company. Reservoir mounting. 2,031,693; Feb. 25.

Case, J. I., Company. (See Geraldson, Gerald, assignor.)

Case, J. I., Company. (See Hendricks, S. B., and Markel, assignors.)

Casper, Frank L., Howes Cave, N. Y. Table leaf support. 2,031,759; Feb. 25.

Casteel Research Laboratories, Inc. (See Strauss, Theodore O., assignor.)

Caterpillar Tractor Co. (See Gustafson, Carl A., assignor.)

Caterpillar Tractor Co. (See Radford, William H., assignor.)

Caton, Thomas, Millbrook, N. Y. Fruit conveyer. 2,032,258; Feb. 25.

Celanese Corporation of America. (See Hale, Frank C., assignor.)

Celanese Corporation of America. (See Jabouley, Joanny, assignor.)

Celanese Corporation of America. (See Jones, John H., assignor.)

Celanese Corporation of America. (See Seymour, George W., assignor.)

Celanese Corporation of America. (See Taylor, W. I., and Woodruff, assignors.)

Celanese Corporation of America. (See Taylor, William L., assignor.)

Chaffee, Raymond O., Belmont, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Rotary operative fastener installation and fastener for the same. 2,032,315; Feb. 25.

Champion Fibre Company, The. (See Murdock, Harold R., assignor.)

Chance, Henry M., Philadelphia, Pa. Apparatus for ventilating buildings. 2,032,080; Feb. 25.

Chandler, Austin S., Fitchburg, assignor to The Brown Bag Filling Machine Company, Fitchburg, Mass. Receptacle filling and sealing machine. 2,032,259; Feb. 25.

Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Wire feeding apparatus. 2,032,260; Feb. 25.

Chevalier, Leopold. (See Poulin, Francis, assignor.)

Chiasson, Placid N., Griggsville, Ill. Combined felly, rim, and tire structure. 2,032,261; Feb. 25.

Chicago Flexible Shaft Company. (See Jeppesen, Ivar, assignor.)

Chicago Mill and Lumber Company. (See Whiton, Arthur L., assignor.)

Child, Lachlan W. (See Riebel, F., Jr., Dow, and Child.)

Choice, Frank C. (See Ricks, F., Elliott, and Choice.)

Chouinard, Oscar, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Method of and system for reproducing sound from sound films. 2,032,200; Feb. 25.

Chrysler Corporation. (See Lee, R. K., and McCortney, assignors.)

Church, C. F., Mfg. Co. (See Carmichael, William A., assignor.)

Church, Walter L., Houston, assignor of one-half to W. L. Pearce, Harris County, Tex. Well drilling apparatus. 2,031,931; Feb. 25.

Claus, Ernest C., Chicago, Ill. Rocking device. 2,032,049; Feb. 25.

Clause, Robert L., Sewickley, Pa., assignor to Pittsburgh Plate Glass Company. Making a double glazed unit. 2,032,003; Feb. 25.

Clegg, Harry B., Attleboro, Mass. Vanity case or compact. 2,031,933; Feb. 25.

Clements, Arthur L., and W. H. Calsmer, assignors to American Hair & Felt Company, Chicago, Ill. Carpet cushion. 2,032,114; Feb. 25.

Cleveland Graphite Bronze Company, The (See Salzman, George S., assignor.)

Cleveland, Theodore W., and T. W. Bunten, Weston, W. Va. Printer's gauge pin. 2,032,004; Feb. 25.

Cloutier, Arthur N. (See Lawson, R. H., and Cloutier.)

Cobb, Harold E., Montgomery, Ohio, assignor to General Motors Corporation, Detroit, Mich. Circuit breaker. 2,032,115; Feb. 25.

Coffelder, Thomas N., Pittsburgh, Pa. Hair curling device. 2,031,760; Feb. 25.

Columbian Rope Company. (See Bowen, Kenneth H., assignor.)

Compo Shoe Machinery Corporation. (See Smith, John F., assignor.)

Compton, John, Organ Company, The. (See Bourn, Leslie E. A., assignor.)

Conover Company, The. (See Stoddard, Edgar S., assignor.)

Conrad, Frank, Wilkinsburg, C. Aalborg, Pittsburgh, Pa., and O. B. French, Collingswood, N. J., assignor to Westinghouse Electric and Manufacturing Company. Motion picture apparatus. 2,032,116; Feb. 25.

Conradty, C. (See Conradty, Ottmar, assignor.

Conradty, Ottmar, assignor to C. Conradty, Nuremberg, Germany, a firm. (Collecting member for trolley systems. 2,031,819; Feb. 25.

Conseil, Jean M. (See Scranton, J., and Conseil.)

Consolidated Ashcroft Hancock Company. (See Beck, Rudolf, assignor.)

Consolidated Car-Heating Company. (See Hyatt, Louis C., assignor.)

Continental Motors Corporation. (See Vincent, Edward T., assignor.)

Corbett, George, Tampa, Fla. Radio volume control. 2,032,117; Feb. 25.

Cori, Blanche, Berlin, Germany. Gas filter. 2,032,262; Feb. 25.

Cornell, Edward S., Jr., Larchmont, assignor to American Radiator Company, New York, N. Y. Combined diverting and hot-cold control fixture. 2,031,932; Feb. 25.

Corning Glass Works. (See Weber, Walter C., assignor.)

Corvington, Oscar H. (See Helfrich, Lewis and W., and Corvington.)

Corwin, Thomas L., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Printing telegraph system. 2,031,934; Feb. 25.

Cotterman, Frederick W., assignor of one-half to Bessie D. Apple, Dayton, Ohio. Automotive transmission and braking mechanism. 2,032,050; Feb. 25.

Cotton, Charles H., Kewanee, Ill., assignor to Walworth Patents Inc., Boston, Mass. Valve. 2,032,816; Feb. 25.

Costa, Alfred J., Detroit, Mich. Angular ball swivel union. 2,031,878; Feb. 25.

Craig, John F., Upper Montclair, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 2,032,167; Feb. 25.

Crawford, Harvey E., La Canada Township, Los Angeles County, Calif. Dispensing device. 2,031,820; Feb. 25.

Crick, Burton F., Peers, Alberta, Canada. Belt fastener. 2,032,005; Feb. 25.

Criner, Harry J., Davenport, Iowa. Bread slicing machine. 2,032,118; Feb. 25.

Croce, Richard D., New York, N. Y. Lining for fruit boxes and the like. 2,031,804; Feb. 25.

Cross, Robert J., Mason, Mich., assignor to S. M. A. Corporation, Cleveland, Ohio. Recovering carotene from soaps. 2,032,006; Feb. 25.

Cuno, Charles H., assignor to The Cuno Engineering Corporation, Meriden, Conn. Filter. 2,031,935; Feb. 25.

Cuno, Charles H. assignor to The Cuno Engineering Corporation, Meriden, Conn. Forming filters. 2,031,936; Feb. 25.

Cuno Engineering Corporation, The. (See Cuno, Charles H., assignor.)

Dahlen, Miles A. (See Hitch, E. F., Dahlen, and Friedrich.)

Dahlen, Miles A. (See Jordan, H., and Dahlen.)

Dahlen, Miles A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Water soluble diazoimino compounds. 2,031,634; Feb. 25.

Daman, Arthur C., Denver, Colo. Flotation apparatus. 2,031,500; Feb. 25.

Daneke, Dietrich, Topeka, Kans., and L. C. Williams, Pearl River, N. Y., assignors to The Brackett Stripping Machine Company, Topeka, Kans. Folding and gluing mechanism. 2,031,879; Feb. 25.

Daughenbaugh, Paul J., New Haven, Conn., assignor to Sharp & Dohme Incorporated, Philadelphia, Pa. Arsenic derivatives of sugars. 2,032,263; Feb. 25.

Daugherty, James F., Jr., Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del. Conversion of hydrocarbons. 2,031,591; Feb. 25.

Davidson, Louis, Hewlett, N. Y. Arch building construction. 2,031,937; Feb. 25.

Davis, Jesse H., Baltimore, Md. Preserving grain in storage. 2,032,264; Feb. 25.

Davis, Sidney H., Tulsa, Okla., C. O. Anderson, Baxter Springs, Kans., and R. J. Stengl, Monahans, Tex. Apparatus for recovering crystalline salts from solutions. 2,032,201; Feb. 25.

Dawes, Robert T., Hudson, Mass. Elastic braid. 2,032,265; Feb. 25.

Deane, Harry C., Hendon, London, and J. H. Naden, Hampstead, London, England. Appliance for use in practicing or playing games. 2,032,061; Feb. 25.

Deanesly, Richard M., and G. Hearne, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Halogenation of organic fluids. 2,031,938; Feb. 25.

De Benedetti, Joseph, Oakland, Calif. Collar point stiffener. 2,032,266; Feb. 25.

Decatur Brick Manufacturing Company. (See Mattes, Edward D., assignor.)

Deere & Company. (See Brown, Theophilus, assignor.)

Degea Aktiengesellschaft (Auergesellschaft). (See Frey, Kurt, assignor.)

Degen, Alexander A. C., Harrow, assignor to Bell Punch Company Limited, London, England. Keyboard. 2,032,168; Feb. 25.

Degiarge, Julien R. L., Wattrelos, France. Wagon for transportation by rail and by road. 2,032,267; Feb. 25.

Deister, Emil E. and I. F., assignors to Deister Machine Company, Fort Wayne, Ind. Vibrator screen. 2,032,032; Feb. 25.

Deister, Irwin F. (See Deister, Emil E. and I. F.)

Deister Machine Company. (See Deister, Emil E., and I. F., assignors.)

Delis Libera y Silicani, Juan B., Habana, Cuba. Automatic bottle stopper. 2,031,821; Feb. 25.

Delta Manufacturing Company. (See Tank, Herbert E., assignor.)

Deanis, Calvin L., Glen Ridge, N. J. Tuning machine. 2,032,202; Feb. 25.

Denver Patent Company. (See Logue, Leland H., assignor.)

Detroit Gray Iron Foundry Company. (See Novotny, Anton, assignor.)

De Vry, Herman A., Chicago, Ill. Film reel. 2,031,685; Feb. 25.

Dewey and Almy Chemical Company. (See Tucker, G. R., and Kennedy, and Reanee, assignors.)

Diehl, Harry L. (See Matthews, G. L., and Diehl.)

Diescher, August P., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa. Demountable guide disk for cross rolls. 2,031,761; Feb. 25.

Diescher Tube Mills, Inc. (See Diescher, August P., assignor.)

Dimmick, Glenn L., Westmont, N. J., assignor to Radio Corporation of America. Phonographic apparatus. 2,031,822; Feb. 25.

Dircherl, Wilhelm. (See Ach, L., and Dircherl.)

Doble, Harry O., Superior, Wis. Combination storm window and screen. 2,031,876; Feb. 25.

Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,031,593; Feb. 25.

Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,031,762; Feb. 25.

Dodge, Arthur E., Lancaster, Pa. Bottle stopper. 2,031,880; Feb. 25.

Doherty Research Company. (See Laird, Wilbur G., assignor.)

Donlan, Theodore E., Irvington, N. J., assignor to Standard Oil Development Company. Treating hydrocarbons. 2,031,939; Feb. 25.

Dow, Dewey M. (See Riebel, F., Jr., Dow, and Child.)

Drake, Ronald I. (See Meier, A. M., and Drake.)

Dreyer, John W. (See Hankins, Oscar E., assignor.)

Dreyfus, Henry, London, England. Manufacture and treatment of materials. 2,031,594; Feb. 25.

Dreyfus, Henry, London, England. Manufacture of artificial ribbons, straw, and the like. 2,031,636; Feb. 25.

Dreyfus, Henry, London, England. Azeotropic dehydration of aqueous mixtures of lower aliphatic acids and anhydrides. 2,031,637; Feb. 25.

Drysdale, William D., Buffalo, N. Y., assignor to W. J. Sugden, Boston, Mass. Compressor. 2,031,940; Feb. 25.

Drysdale, William D., Mount Clemens, Mich., assignor to W. J. Sugden, Boston, Mass. Refrigerant compressor. 2,031,941; Feb. 25.

Dudleston, William G., Chicago Heights, Ill., assignor to The Patent and Licensing Corporation, Boston, Mass. Building material. 2,032,683; Feb. 25.

Dudley, James F. (See Winning, C., Sargent, and Dudley.)

Dugniß, James M., Springfield, N. J., and J. R. Sola, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control circuit. 2,031,942; Feb. 25.

Dunham, Irvie H., Racine, Wis., assignor to Electric Motor Corporation. Brush assembly. 2,032,084; Feb. 25.

Dunlop Rubber Company Limited. (See Murphy, E. A., Twiss, and James, assignors.)

Duplex Tool Co. (See Berman, Louis C., assignor.)

Du Pont, E. I., de Nemours & Company. (See Atkins, Stuart A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Dahlen, Miles A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hitch, E. F., Dahlen, and Friedrich, assignors.)

Du Pont, E. I., de Nemours & Company. (See Holt, Harold S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Jordan, H., and Dahlen, assignors.)

Du Pont, E. I., de Nemours & Company. (See Lindsley, Milton F., Jr., assignor.)

Du Pont, E. I., de Nemours & Company. (See Franke, Edward J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Spaeth, Charles P., assignor.)

Dura Company. (See Miller, Dorr, assignor.)

Dyer, Frederick C., and H. L., McClelland, Toronto, Ontario, Canada. Separating seeds. 2,031,943; Feb. 25.

Dym, Joseph E., assignor to Mine Safety Appliances Co., Pittsburgh, Pa. Protective headgear. 2,032,203; Feb. 25.

Eastman, Joseph P., Manitowoc, Wis. Pressed-on hose coupling. 2,031,823; Feb. 25.

Eastman, Joseph P., Manitowoc, Wis. Pressing a coupling on to a hose. 2,031,824; Feb. 25.

Eastman, Joseph P., Manitowoc, Wis. Renewable hose coupling. 2,031,825; Feb. 25.

Eastman Kodak Company. (See Malm, C. J., and Fletcher, assignors.)

Eastman Manufacturing Company. (See Hutchinson, George, assignor.)

Eaton, Charles F., West Newbury, Mass., assignor, by mesne assignments, of one-half to North American Holding Corporation and one-half to Parshad Holding Corporation, Syracuse, N. Y. Marking machine. 2,031,763; Feb. 25.

Ebert, William A. (See Jurkat, G., and Ebert.)

Eclipse Aviation Corporation. (See Lansing, Raymond P., assignor.)

Eclipse Aviation Corporation. (See Linder, Francis, assignor.)

Eclipse Aviation Corporation. (See McNeil, Charles I., assignor.)

Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)

Eclipse Machine Company. (See Whitney, Maurice P., assignor.)

Eggert, Joseph, deceased, Columbus, Ohio, E. L. Keny, administratrix. Machine for tamping earth. 2,031,695; Feb. 25.

Einstein, Sol, C. Booth, and F. S. Haas, Cincinnati, Ohio, assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Grinding machinery. 2,031,943; Feb. 25.

Einstein, Sol, C. Booth, and F. S. Haas, Cincinnati, Ohio, assignors, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Grinding machine. 2,032,269; Feb. 25.

Eksergian, Caroius L., and P. R. Baber, Detroit, Mich., assignors to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Rail car wheel. 2,032,061; Feb. 25.

Ekstromer, Edward C., assignor of one-half to H. J. Lloyd, Los Gatos, Calif. Protecting means for mechanisms. 2,031,826; Feb. 25.

Electric Motor Corporation. (See Dunham, Irvie H., assignor.)

Electro-Chemical Engineering Corporation. (See Gunderson, Lewis O., assignor.)

Electrolux Corporation. (See Karistrom, Fredrik J. E., assignor.)

Elite Specialty Metal Co. (See Resovsky, Nathan, assignor.)

Elliott, Harold M. (See Ricks, F. Elliott, and Choice.)

Ellis, Don G. (See Thomas, C. C., and Ellis.)

Emery, Charles F., Jr., Houston, Tex. Sanitary appliance. 2,031,638; Feb. 25.

Engblom, John F. T., Nottingham, assignor to Ericsson Telephones Limited, London, England. Electrical selecting or connecting device. 2,032,270; Feb. 25.

Engbauer, Winford L., Lebanon, Ohio. Pipe forming process. 2,032,271; Feb. 25.

Erdman, Theodore J., assignor to The Van Brunt Manufacturing Company, Horicon, Wis. Cultivator. 2,032,085; Feb. 25.

Eremeeff, Ivan, Philadelphia, Pa. Photoelectric musical system. 2,031,764; Feb. 25.

Ericsson Telephones Limited. (See Engblom, John F. T., assignor.)

Espenschied, Lloyd, Kew Gardens, and N. Monk, New York, N. Y., assignors to American Telephone and Telegraph Company. Switching arrangement for four-wire circuits. 2,031,696; Feb. 25.

Etablissements Pompes Guinard (Pompes Guinard & Etablissements Cahendet Reunis). (See Poillot, Jean P. E., assignor.)

Evans, Harry H. (See Greenhagn, A. W., and Evans.)

Evinrude, Ole, assignor to Outboard Motors Corporation, Milwaukee, Wis. Motor bicycle. 2,031,881; Feb. 25.

Fahrenwald, Arthur W., Moscow, Idaho. Grinding mill. 2,031,697; Feb. 25.

Fanzoi, John, West Hartford, Conn. Book end. 2,031,698; Feb. 25.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,032,120; Feb. 25.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Valve testing device. 2,032,121; Feb. 25.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor governor construction. 2,032,122; Feb. 25.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Triple valve device. 2,032,169; Feb. 25.

Farmer, Clyde C., Pittsburgh, and E. R. Hewitt, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,032,119; Feb. 25.

Fassett, Wallace F., Derby, assignor to The Ansonia O & C Company, Ansonia, Conn. Hose supporter grip. 2,031,699; Feb. 25.

Federal Glass Company, The. (See Kundts, Theodore A., assignor.)

Fee, Thomas A., Jr., assignor to Gasoline Energy Distributors Limited, Vancouver, British Columbia, Canada. Expansible and contractible piston for liquid metering cylinders. 2,032,007; Feb. 25.

Fellner, Alphonse E. (See Buniß, William A., assignor.)

Feltman, Charles A., Brooklyn, N. Y. Toasting and similar apparatus. 2,032,272; Feb. 25.

Ferguson, John A., assignor of one-third to T. B. Sturges, Pittsburgh, Pa. Metallic structural framework. 2,031,765; Feb. 25.

Fidelitone Records, Inc. (See Lichten, Maurice A., assignor.)

Fiedler, William J., Milltown, assignor to Adolph Schelske, Parkston, S. Dak. Lifting jack. 2,031,700; Feb. 25.

Finch, James L., Rocky Point, N. Y., assignor to Radio Corporation of America. Modulation. 2,031,639; Feb. 25.

Finck, Hu'da E., St. Charles, Mo. Ironing board cover. 2,031,896; Feb. 25.

Firestone Tire & Rubber Company, The. (See Stevens, Horace D., assignor.)

Fisk, Arthur K., assignor of one-half to F. H. Ruppel, Pasadena, Calif. Sliding window unit. 2,032,170; Feb. 25.

Fiske, Augustus H., Warren, and C. S. Bryan, Providence, assignors to Rumford Chemical Works, Rumford, R. I. Making tetraphosphates. 2,031,827; Feb. 25.

Fletcher, Charles L. (See Malm, C. J., and Fletcher.)

Flexible Steel Lacing Company. (See Olsen, John C., assignor.)

Florman, Irving, New York, N. Y. Cigarette lighter. 2,032,273; Feb. 25.

Fonos, Peter J., Leavenworth, Kans. Live bait bucket. 2,032,274; Feb. 25.

Food Machinery Corporation. (See Jones, Lloyd E., assignor.)

Fornthoefel, Gregg F., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cabinet construction. 2,031,701; Feb. 25.

Fort Pitt Bedding Company. (See Stubnitz, Maurice, assignor.)

Fox, John H. (See Gelsthorp, F., and Fox.)

Fradette, Donald F., Cleveland, Ohio. Shingle. 2,032,275; Feb. 25.

Frank, Hugo, Hartford, Conn., assignor to The Silex Company. Coffee maker. 2,032,317; Feb. 25.

Frede, Charles F., and H. E. Thiele, St. Louis, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Railway hopper car. 2,032,204; Feb. 25.

Freeman, Arthur C., Norfolk, Va. Heating of radiators. 2,031,882; Feb. 25.

French, Orville B. (See Conrad, F., Aalborg, and French.)

Freudenberg, Carl, G. m. b. H. (See Freudenberg, Richard and H., Runkel, and Lange, assignors.)

Freudenberg, Hans. (See Freudenberg, Richard and H., Runkel, and Lange.)

Freudenberg, Richard and H., R. Runkel, and G. Lange, Weinheim, assignors to Carl Freudenberg G. m. b. H., Weinheim (Badenia), Germany. Converting a fibrous material. 2,032,123; Feb. 25.

Frey, Kurt, Oranienburg, near Berlin, assignor to Degea Aktiengesellschaft (Auergesellschaft), Berlin, Germany. Silencer for internal combustion engines. 2,031,702; Feb. 25.

Friberg, Hjalmar. (See Fiehl, S. O., and Friberg.)

Frick Company. (See Kitzmiller, William R., assignor.)

Frick Company. (See Small, N. M., and Shenton, assignors.)

Friedenberg, Stanley, New York, N. Y. Shoe protecting device. 2,032,052; Feb. 25.

Friedrich, Martin E. (See Hitch, E. F., Dahlen, and Friedrich.)

Frielinghaus, Louis, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Shears for trimming sheet metal. 2,032,276; Feb. 25.

Fries, Peter P. (See Loewe, S., and Fries.)

Frohring, William O. (See Barnett, H. M., Frohring, and Germann.)

Frolich, Per K., Roselle, N. J., assignor to Standard Oil Development Company. Rubber composition containing petroleum resins. 2,031,944; Feb. 25.

Fulbright, Clarence C., Pine Bluff, Ark. Floor block. 2,031,566; Feb. 25.

Funston, Frederick D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,032,124; Feb. 25.

G. B. G. Corporation. (See Graf, Elmer J., assignor.)

Gage, Robert B., Trenton, N. J. Method of and apparatus for finishing concrete pavements. 2,032,205; Feb. 25.

Gair, Robert, Company. (See Weiss, Arthur J., assignor.)

Galey, Henry J., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for case hardening glass. 2,032,008; Feb. 25.

Galligan, James J., and W. J. Robinson, Providence, R. I., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Crinkled elastic material. 2,031,703; Feb. 25.

Gallusser, Hans, Geneva, Switzerland. Automatic slack adjuster. 2,031,704; Feb. 25.

Galson, Henry L. (See McKee, G. S., and Galson.)

Ganser, Walter. (See Ostgaard, Albert, assignor.)

Gardner, George D., assignor to H. E. Gray, San Jose, Calif. Coring knife. 2,031,766; Feb. 25.

Garrison, Marion A., Alhambra, Calif. Booster. 2,031,828; Feb. 25.

Gasoline Energy Distributors Limited. (See Fee, Thomas A., Jr., assignor.)

Gassen, Josef, Dusseldorf-Oberkassel, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Braking device for feeding means of pilgering mills. 2,032,277; Feb. 25.

Gauger, Frank A., Milwaukee, Wis. Snap valve. 2,032,053; Feb. 25.

Gazelle, Michel S., Detroit, Mich. Electric water heater. 2,032,125; Feb. 25.

Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Electromechanical oscillator circuit. 2,031,767; Feb. 25.

Gebhard, Louis A., Washington, D. C., assignor to Wired Radio, Inc., New York, N. Y. Electromechanical oscillator circuit. 2,031,768; Feb. 25.

Gedris, William A., Grand Rapids, Mich. Upholstery for seat backs. 2,031,888; Feb. 25.

Geigy, J. R., A. G. (See Kreteer, Adolf, assignor.)
Gelstharp, Frederick, Tarentum, and J. H. Fox, Pittsburgh, Pa., assignors to Pittsburgh Plate Glass Company. Apparatus for making flat glass. 2,032,000; Feb. 25.
General Aniline Works, Inc. (See Wolff, Paul, assignor.)
General Electric Company. (See Bradford, Arthur J., assignor.)
General Electric Company. (See Chapman, Verni J., assignor.)
General Electric Company. (See Lum, Walter O., assignor.)
General Electric Company. (See McDonald, Chester E., assignor.)
General Electric Company. (See Pratt, William H., assignor.)
General Electric Company. (See Ring, Andrew D., assignor.)
General Electric Company. (See Strickland, Royal F., assignor.)
General Electric Company. (See Watts, Noble H., assignor.)
General Electric Company. (See Wotring, Gaylord H., assignor.)
General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)
General Motors Corporation. (See Cobb, Harold E., assignor.)
General Motors Corporation. (See Funston, Frederick D., assignor.)
General Motors Corporation. (See Grier, John A., assignor.)
General Motors Corporation. (See Holmes, John Q., assignor.)
General Motors Corporation. (See Housman, Edwin F., assignor.)
General Spring Bumper Corporation. (See Jandus, Herbert S., assignor.)
General Steel Castings Corporation. (See Ashe, William O., assignor.)
General Steel Castings Corporation. (See Frede, C. F., and Thiele, assignors.)
General Steel Castings Corporation. (See Howard, Karl S., assignor.)
General Steel Castings Corporation. (See Sheehan, William M., assignor.)
Geraldson, Gerald, assignor to J. I. Case Company, Racine, Wis. Tractor planter. 2,031,640; Feb. 25.
Germann, Albert F. O. (See Barnett, H. M., Frohring, and Germann.)
Gilbert, A. C., Company, The. (See Gilbert, A. C., and Arnold, assignors.)
Gilbert, Alfred C., North Haven, and A. A. Arnold, assignors to The A. C. Gilbert Company, New Haven, Conn. Kitchen utility device. 2,031,769; Feb. 25.
Gilbert, Alfred C., North Haven, and A. A. Arnold, assignors to The A. C. Gilbert Company, New Haven, Conn. Kitchen utility device. 2,031,770; Feb. 25.
Girdler Corporation, The. (See Bottoms, Robert R., assignor.)
Globar Corporation. (See Thompson, Almer J., assignor.)
Glover, W. T. and Company Limited. (See Pritchard, R. E., and McAlpine, assignors.)
Glunt, Omer M., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical device. 2,031,945; Feb. 25.
Godsey, George W., Elizabeth, N. J. Brake lock. 2,031,829; Feb. 25.
Goelitz, Henry G., et al. (See Ingels, James J., assignor.)
Goldberg, Leon, assignor to Vincent Horwitz Company, Inc., New York, N. Y. Shoe. 2,032,206; Feb. 25.
Golden, John P., and J. F. O'Neil, Waterbury, Conn. Combination lamp stand and book-rack. 2,032,086; Feb. 25.
Goodell, Frank H., East Cleveland, Ohio, and C. W. Ross, Philadelphia, Pa., assignoors to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Skip loading mechanism. 2,031,946; Feb. 25.
Goodwin, William N., Jr., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Photoelectric cell circuit. 2,032,010; Feb. 25.
Gordon, Malcolm K., Jr. (See Bennett, A. F., and Gordon.)
Göth, Hans E. A., assignor to Industrikemiska Aktiebolaget, Stockholm, Sweden. Evaporation. 2,032,087; Feb. 25.
Gould Coupler Company, The. (See Richards, Willard F., assignor.)
Gould, Gardner S., Lunenburg, Mass. Self contained grinding wheel head. 2,032,011; Feb. 25.
Graf, Elmer J., Roselle Park, assignor to G. B. G. Corporation, Newark, N. J. Illuminated decorative device. 2,031,641; Feb. 25.
Graf, Elmer J., Roselle Park, assignor to G. B. G. Corporation, Newark, N. J. Illuminated decorative device. 2,031,642; Feb. 25.
Graillat, Andre, New York, N. Y. Magazine vending machine. 2,032,278; Feb. 25.
Granovsky, Albert A., New York, N. Y. Combination chair and lamp. 2,031,643; Feb. 25.
Grassby, Robert C., New Malden, England. Timepiece and the like. 2,031,705; Feb. 25.
Grasselli Chemical Company, The. (See Lawrence, Ralph E., assignor.)
Grasselli Chemical Company, The. (See Perry, J. R., and Ridler, assignors.)
Grasselli Chemical Company, The. (See Schweitzer, William K., assignor.)
Grasselli Chemical Company, The. (See Taylor, Edward A., assignor.)
Grauer, Solomon, Brooklyn, N. Y. Temperproof closure seal. 2,032,207; Feb. 25.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 2,031,598; Feb. 25.
Gray, Herbert E. (See Gardiner, George D., assignor.)
Gray, Jesse L., Dallas, Tex. Short wave sound system for visually observing. 2,031,884; Feb. 25.
Gray Telephone Pay Station Company, The. (See Long, George A., assignor.)
Gray, Thomas J., Milwaukee, Wis. Gummed strip moistener. 2,031,597; Feb. 25.
Gredell, Otton N., Kansas City, assignor to Standard Steel Works, North Kansas City, Mo. Closure member for fill openings. 2,031,885; Feb. 25.
Green, A. P., Fire Brick Company. (See Wood, Horace O., assignor.)
Grier, Frank L., Milford, Del. Temple for eyeglasses. 2,031,771; Feb. 25.
Grier, John A., New York, N. Y., assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,032,012; Feb. 25.
Griffith, Alan A., and W. Helmore, South Farnborough, assignor to C. C. Wakefield & Company Limited, London, England. Treatment of lubricating oils. 2,032,279; Feb. 25.
Griffiths, Alfred, London, assignor, by mesne assignments, to Kleenglas (1935) Limited, Liverpool, England. Machine for washing, drying, and polishing tumblers, cups, and like articles. 2,032,013; Feb. 25.
Grosshans, Arthur W., and H. H. Evans, Steckham, Nebr. Fastener. 2,032,280; Feb. 25.
Gudmundsen, Austin, Wauwatosa, assignor of one-half to Rudolph L. Hasche, Milwaukee, Wis. Drinking water dispenser. 2,031,599; Feb. 25.
Gunderson, Lewis O., assignor to Electro-Chemical Engineering Corporation, Chicago, Ill. Water level indicator for steam boilers. 2,031,644; Feb. 25.
Gussack, Nathan A., Flushing, N. Y. Slide drawer construction. 2,032,054; Feb. 25.
Gustafson, Carl A., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Road machine. 2,032,086; Feb. 25.
Gutmann, Ferdinand, & Co. (See Rasmussen, Charles H., assignor.)
Haas, Frederick S. (See Einstein, S., Booth, and Haas.)
Haas, Paul, Maspeth, assignor to United Research Corporation, Long Island City, N. Y. Mounting for light sensitive devices. 2,031,646; Feb. 25.
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 2,031,645; Feb. 25.
Haglund, Ture R., Stockholm, Sweden. Refining of alloys. 2,031,947; Feb. 25.
Hahn, Mathias, Aachen, assignor to H. Krantz Söhne, Aachen, Germany. Tentering and drying machine. 2,032,614; Feb. 25.
Hale, Frank C., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of spun yarns. 2,031,647; Feb. 25.
Hall, Frank J., San Francisco, Calif. Toilet paper holder and dispenser. 2,031,772; Feb. 25.
Hallanger, William N., St. Clair Shores, Mich. Wick feed oiler. 2,031,648; Feb. 25.
Halperin, Robert L., Los Angeles, Calif. Currency holder. 2,031,773; Feb. 25.
Hambrecht, George D., and J. W. Paine, Canajoharie, N. Y. Stringed musical instrument. 2,031,706; Feb. 25.
Handel, Charles R., assignor to Wej-Lock Manufacturing Company, Winterset, Iowa. Expansible anchor. 2,032,089; Feb. 25.
Hanff, Ferdinand, Berlin-Charlottenburg, Germany, assignor to Sinfra A. G. St. Gallen (Switzerland), Glarus, Switzerland. Device for simultaneously twisting and winding knitted threads. 2,031,707; Feb. 25.
Hanking, Oscar R., assignor to J. W. Dreyer, Aurora, Ill. Window construction. 2,032,126; Feb. 25.
Hannewald, Burton A., and R. Ingstad, Indianapolis, Ind., assignors to Bemis Bro. Bag Co., St. Louis, Mo. Apparatus for filling bags. 2,031,708; Feb. 25.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Transmitting system. 2,032,208; Feb. 25.
Hansmann, Elwood, Glencoe, assignor to Stewart-Warner Corporation, Chicago, Ill. Windshield cleaner. 2,031,830; Feb. 25.
Harrington, William B., Milan, Ind. Extensible table. 2,031,649; Feb. 25.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration damping device. 2,031,948; Feb. 25.
Harrison, James W., and T. B. Prickett, Woodbury, N. J., assignors to Houdry Process Corporation, Dover, Del. Control of catalytic reactions. 2,031,600; Feb. 25.

Harsch, John W., Gwynedd, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa. Heat treating apparatus. 2,032,209; Feb. 25.
Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co. Inc., New York, N. Y. Building material. 2,031,950; Feb. 25.
Hartley, Ralph V. L., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Burglar alarm system. 2,031,951; Feb. 25.
Hartman, William W., Los Angeles, Calif. Mechanism to assemble a composite loaf. 2,031,949; Feb. 25.
Hasche, Rudolph L. (See Gudmundsen, Austin, assignor.)
Hausbeck, Charles J., Queens Village, N. Y., assignor to Julius Kayser & Co., New York, N. Y. Stitch finger for sewing machines. 2,031,831; Feb. 25.
Hausbach, Samuel, assignor of two-fifths to S. L. Kesselman, Newark, N. J. Curtain stretcher. 2,032,090; Feb. 25.
Haywood, Alice R. (See Haywood, Jackson S., assignor.)
Haywood, Jackson S., assignor of one-half to A. E. Haywood, Springfield, Ill. Shears. 2,032,281; Feb. 25.
Hazel-Atlas Glass Company. (See Shaffer, Hosea, assignor.)
Heald Machine Company, The. (See Einstein, S., Booth, and Haas, assignors.)
Hearne, George. (See Deansely, R. M., and Hearne.)
Hegenberger, Albert F., and A. W. Knisley, Dayton, Ohio. Sextant. 2,031,601; Feb. 25.
Heifetz, Solomon A., Milwaukee, Wis. Dispensing container. 2,031,886; Feb. 25.
Heifetz, Solomon A., Milwaukee, Wis. Collapsible container. 2,031,887; Feb. 25.
Helfrich, Lewis, W. Helfrich, and O. H. Corvington, Akron, Ohio. Fountain comb. 2,031,774; Feb. 25.
Helfrich, William. (See Helfrich, Lewis and W., and Corvington.)
Helmore, William. (See Griffith, A. A., and Helmore.)
Hemphill Company. (See Lawson, R. H., and Cloutier, assignors.)
Hendricks, Simeon B., and J. M. Markel, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Listerplanter. 2,031,650; Feb. 25.
Henschel, Chas. J., & Co. (See Mead, Samuel S., assignor.)
Herriger, Felix. (See Kühle, W. E., Prins, and Herriger.)
Herrington, Arthur W., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Transmission gearing. 2,032,818; Feb. 25.
Hewitt, Alfred G., La Grange, assignor to The Visking Corporation, Chicago, Ill. Extrusion apparatus. 2,032,171; Feb. 25.
Hewitt, Ellis E. (See Farmer, C. C., and Hewitt.)
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,031,172; Feb. 25.
Heynau, David H., London, England. Friction gear transmission. 2,032,015; Feb. 25.
Hiering, William C., assignor to The J. E. Mergott Company, Newark, N. J. Bag frame fastener. 2,032,055; Feb. 25.
Hiering, William C., assignor to J. E. Mergott Company, Newark, N. J. Bag frame latch. 2,032,056; Feb. 25.
Hiering, William C., assignor to The J. E. Mergott Company, Newark, N. J. Handbag frame. 2,032,057; Feb. 25.
Higgins, Gilbert H., Mountain Lakes, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y. Irving Trust Company, permanent trustee. Chase. 2,031,602; Feb. 25.
Hill Engineering Company. (See Hill, Myron F., assignor.)
Hill, Myron, Lansdowne, Pa., assignor to Hill Engineering Company, Inc. Tooth curve for rotors and gears. 2,031,889; Feb. 25.
Hill, Robert B. (See Westhaver, John L., assignor.)
Himberger, Earl W., assignor to Pacific Marine Supply Company, Seattle, Wash. Coupling link. 2,031,890; Feb. 25.
Hinchen, Donald T., Sydney, New South Wales, Australia, assignor to The Magnavox Company, Fort Wayne, Ind. Electrodynamic sound reproducing apparatus. 2,031,775; Feb. 25.
Hitch, Emmet F., and M. A. Dahlen, Wilmington, Del., and M. E. Friedrich, Carneys Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes and their preparation. 2,031,651; Feb. 25.
Hitner, Harry F., Oakmont, Pa., assignor to Pittsburgh Plate Glass Company. Level indicating apparatus. 2,032,016; Feb. 25.
Hocher, Andrew A., Etna, and M. Lasher, Pittsburgh, Pa., assignors to Hubbard and Company. Sheet metal insulator support pin and making the same. 2,032,017; Feb. 25.
Hoe, R., & Co. (See Ball, Harry V.)
Hoe, R., & Co. (See Higgins, Gilbert H., assignor.)
Hoe, R., & Co. (See Lamatsch, Frederick, assignor.)
Hogan, Lemley C., Spokane, Wash. Spool holder. 2,031,890; Feb. 25.
Holden, Harold C., Philadelphia, Pa., assignor to Radio Corporation of America. Portable talking motion picture apparatus. 2,031,832; Feb. 25.
Holmes, Bradford B., assignor to R. V. Holmes, Stealing ton, Conn. Control head for indicators. 2,032,018; Feb. 25.
Holmes, John Q., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Trimming apparatus. 2,032,127; Feb. 25.
Holmes, Ruth V. (See Holmes, Bradford B., assignor.)
Holt, Harold S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Propionic acid esters and their production. 2,031,603; Feb. 25.
Holt, Harold S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticized composition. 2,032,091; Feb. 25.
Holt, Richard, Henley Beach, South Australia, Australia. Instantaneous electrical water heater. 2,032,210; Feb. 25.
Homeyer, August H. (See Whitmore, F. C., Homeyer, Jones, and Trent.)
Hönigsberg, Robert, Vienna, Austria. Stiffening of double collars. 2,031,776; Feb. 25.
Hookless Fastener Company. (See Kelley, Roland S., assignor.)
Hooper, James B., Ruxton, assignor to Wm. E. Hooper & Sons Co., Baltimore, Md. Locomotive cab curtain. 2,032,068; Feb. 25.
Hooper, Wm. E., & Sons Co. (See Hooper, James E., assignor.)
Hoover Company, The. (See Smellie, Donald G., assignor.)
Hopkins, Richard M. (See Johnson, C. C., Hopkins, and Spamer.)
Hopping, Alvin S., Verona, N. J. Thermostatically controlled damper device. 2,031,652; Feb. 25.
Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Paper coating apparatus and method. 2,032,211; Feb. 25.
Horsfield, Walter R., London, England. Measuring of gloss. 2,032,128; Feb. 25.
Horton, Erwin C. (See Hueber, H., and Horton.)
Horton, Erwin C., Hamburg, and H. Hueber, Buffalo, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,032,319; Feb. 25.
Horton, Joseph W., Cambridge, Mass., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 2,031,952; Feb. 25.
Horwitz, Robert, New York, N. Y. Cooler for refrigerators. 2,031,653; Feb. 25.
Horwitz, Vincent, Company. (See Goldberg, Leon, assignor.)
Houdry Process Corporation. (See Daugherty, James P., Jr., assignor.)
Houdry Process Corporation. (See Harrison, J. W., and Prickett, assignors.)
House, Bryan B. (See Parker, H. F., and House.)
House, Bryan K., South Bend, assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,032,058; Feb. 25.
Howard, James H., Houston, assignor to J. H. McEvoy & Company, Sherman, Tex. Tubing support. 2,031,654; Feb. 25.
Howard, Karl S., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Tank car. 2,032,212; Feb. 25.
Howell, Albert S., assignor to the Bell & Howell Company, Chicago, Ill. Photographic film magazine. 2,032,213; Feb. 25.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Photographic film magazine, spool, and film therefor. 2,032,214; Feb. 25.
Hubbard and Company. (See Hocher, A. A., and Lasher, assignors.)
Hueber, Henry. (See Horton, E. C., and Hueber.)
Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Pump. 2,032,320; Feb. 25.
Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Accessory system for motor vehicles. 2,032,321; Feb. 25.
Huggett, Jack L. (See Stratford, R. K., and Huggett.)
Hunt, Scott F., assignor to Bendix Products Corporation, South Bend, Ind. Carburetor. 2,031,709; Feb. 25.
Hunter, James, Machine Company, The. (See Rundlett, William D., assignor.)
Hutchinson, George, Manitowoc, assignor to Eastman Manufacturing Company, Manitowoc, Wis. Pressed-on hose coupling. 2,031,833; Feb. 25.
Hyatt, Louis C., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Steam line water relief valve. 2,031,983; Feb. 25.
Hydraulic Press Mfg. Company, The. (See Benedek, Elek K., assignor.)
Hygrade Sylvania Corporation. (See Thomas, Ralph B., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Binapfl, J., and Kuchenbuch, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Breuers, W., Mark, and Konrad, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kaufmann, W., and Bungartz, assignors.)
Ihlefeldt, Johannes, Dessau, assignor to the firm G. Polysius, Aktiengesellschaft, Dessau, Germany. Pulverizing apparatus. 2,031,710; Feb. 25.
Imperial Chemical Industries Limited. (See Piggott, H. A., and White, assignors.)
Imperial Chemical Industries, Limited. (See Tyrer, Daniel, assignor.)

Indiana Steel & Wire Company. (See Judy, Paul R., assignor.)

Industrikemiska Aktiebolaget. (See Göth, Hans R. A., assignor.)

Industrikemiska Aktiebolaget. (See Öman, Erik, assignor.)

Ingels, James J., assignor of one-half to E. Purnell and one-half to H. G. Goelitz, Chicago, Ill. Sheet metal cutter and edger. 2,031,604; Feb. 25.

Ingstad, Edward. (See Hannewald, B. A., and Ingstad.)

International Projector Corporation. (See Boecking, Ewald, assignor.)

Irgens, Finn T., Wauwatosa, assignor to Outboard Motors Corporation, Milwaukee, Wis. Internal combustion engine engine. 2,031,891; Feb. 25.

Irish, Russell E., Pittsburgh, Pa. Orthodontic anchorage. 2,032,282; Feb. 25.

Irving Trust Company, Permanent Trustee. (See Ball, Harry V., assignor.)

Irving Trust Company, Permanent Trustee. (See Higgins, Gilbert H.)

Irving Trust Company, Permanent Trustee. (See Lamatsch, Frederick.)

Jabouley, Joanny, London, England, assignor, by mesne assignments, to Celanese Corporation of America. Textile machinery. 2,031,655; Feb. 25.

Jackson, Ray P., Wilkinsburg, and H. M. Biebel, Oakmont, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Capacitor motor. 2,032,129; Feb. 25.

Jaeger Machine Company, The. (See Saxe, Arthur C., assignor.)

Jaenicke, Max, and G. Baillieul, assignors to Carbo-Norit-Union Verwaltungs-Gesellschaft m. b. H., Frankfort-on-the-Maine, Germany. Purifying of water. 2,031,711; Feb. 25.

James, Robert G. (See Murphy, E. A., Twiss, and James.)

Jandus, Herbert S., assignor to General Spring Bumper Corporation, Detroit, Mich. Vehicle bumper. 2,031,954; Feb. 25.

Jandus, Herbert S., assignor to Lyon Cover Company, Detroit, Mich. Valve cap for use with wheel or tire covers. 2,031,955; Feb. 25.

Jannin, Marcel, Meudon, France. Multiple groove expanding pulley. 2,031,712; Feb. 25.

Jeffrey Manufacturing Company, The. (See Armstrong, Walter J., assignor.)

Jenkins, John E., and S. E. Adair, Chicago, Ill., assignors, by mesne assignments, to Visomatic Systems, Inc., New York, N. Y. Record and making and using same. 2,031,606; Feb. 25.

Jeppsson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Electric toaster. 2,031,656; Feb. 25.

Johnson, Arnold H., and H. A. Trebler, Baltimore, Md., assignors to Sealtest System Laboratories, Inc., New York, N. Y. Dry soluble chlorine compound. 2,032,173; Feb. 25.

Johnson, Carl, East Orange, N. J., assignor to Oakite Products, Inc. Cleaning metal surfaces. 2,032,174; Feb. 25.

Johnson, Clarence C., New York, N. Y., R. M. Hopkins, Rutherford, N. J., and R. F. Spamer, Lynbrook, N. Y., assignors to American District Telegraph Company, New York, N. Y. Waterflow retard alarm. 2,032,092; Feb. 25.

Johnson, Edward, Montclair, N. J., assignor to Meinecke & Company, New York, N. Y. Medicine glass cover. 2,031,892; Feb. 25.

Johnson, George T., Columbus, assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck. 2,031,777; Feb. 25.

Johnson, Horace L. (See Ross, F. N., and Johnson.)

Johnson, Lloyd A., Hillsborough, Calif. Oil retainer. 2,031,856; Feb. 25.

Johnson, Theodore E., Fort Lauderdale, Fla. Automatically operable seed planter. 2,031,713; Feb. 25.

Johnston, Edward F., Wilmington, Del. Lacquer. 2,031,606; Feb. 25.

Johnston, Wayburn E., Minneapolis, Minn. Pressure operated regulator for burners. 2,032,283; Feb. 25.

Johnston, Wayburn E., Minneapolis, Minn. Pressure regulating valve. 2,032,284; Feb. 25.

Jones, Colin C. (See Mott, G. A., and Jones.)

Jones, David M. (See Whitmore, F. C., Homeyer, Jones, and Trent.)

Jones, Frank E., West Lafayette, assignor to The Jones Metal Products Company, West Lafayette, Ohio. Cooking apparatus. 2,032,178; Feb. 25.

Jones, John E., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of immunized cotton or other cellulose fibers. 2,031,637; Feb. 25.

Jones, Lloyd E., Pasadena, assignor to Food Machinery Corporation, San Jose, Calif. Brush making machine. 2,031,653; Feb. 25.

Jones Metal Products Company, The. (See Jones, Frank E., assignor.)

Jordan, Henry, and M. A. Dahlen, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Monazo dyes and their preparation. 2,032,003; Feb. 25.

Jordan, Kurt E., Ludenscheid in Westphalia, Germany. Lock for interlocking fasteners. 2,032,019; Feb. 25.

Judy, Paul R., assignor to Indiana Steel & Wire Company, Muncie, Ind. Pitch-coated electrode. 2,032,222; Feb. 25.

Jurtat, Gerhard, and W. A. Ebert, Hoboken, N. J. Liquid cooling device. 2,032,130; Feb. 25.

Kalliner, Gerhard, assignor to Silesia, Verein Chemischer Fabriken, Ida- und Marienhutte, near Saarau, Germany. Production of disulphides from mercaptothiazoles. 2,031,714; Feb. 25.

Kane, James M., U. S. Navy, Washington, D. C. Static and interference balance system. 2,031,907; Feb. 25.

Karlström, Fredrik J. E., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,031,957; Feb. 25.

Kaufmann, Waldemar, and E. Bungarts, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Glass permeable to ultraviolet rays. 2,031,958; Feb. 25.

Kawneer Company, The. (See Plym, Francis J., assignor.)

Kayser, Julius, & Co. (See Hausbeck, Charles J., assignor.)

Keibl, Ernest F. W., Jr., assignor of one-half to B. W. O'Donnell, Medina, N. Y. Bale tie. 2,032,285; Feb. 25.

Kelley, Roland S., Meadville, Pa., assignor to Hookless Fastener Company. Fastener. 2,031,950; Feb. 25.

Kellogg, Edward W. (See Batsel, C. N., and Kellogg.)

Kellogg, Edward W., Moorestown, N. J., assignor to Radio Corporation of America. Recording and reproduction of electrical impulses. 2,031,835; Feb. 25.

Kellogg, Edward W., Moorestown, and S. Read, Jr., Haddonfield, N. J., assignors to Radio Corporation of America. Sound and picture camera. 2,031,836; Feb. 25.

Kelvinator Corporation. (See Thomas, Charles C., assignor.)

Kelvinator Corporation. (See Thomas, C. C., and Ellis, assignors.)

Kemmer, Frank R., Larchmont, N. Y., assignor to Magnesium Products, Inc., Pittsburgh, Pa. Method of and apparatus for treating discrete particles and vapors. 2,032,215; Feb. 25.

Kemp, Archie R. (See Williams, H. R., and Kemp.)

Kempel, Arthur B., assignor to Rex-Lide, Incorporated, East Brady, Pa. Rubber repair material. 2,031,960; Feb. 25.

Kennard, Doris B., Tallahassee, Fla. Diaper. 2,032,131; Feb. 25.

Kennedy, Henry L. (See Tucker, G. R., Kennedy, and Renner.)

Keny, Emma L., administratrix. (See Eggert, Joseph.)

Kern, William H., assignor to Associated Inventions, Inc., Jersey City, N. J. Nonrefillable bottle stopper. 2,031,715; Feb. 25.

Kesselman, Sol L. (See Hausbeck, Samuel, assignor.)

Kidde, Walter & Company. (See Mapes, Daniel, assignor.)

Kiel, John R., assignor to Auditone Company, Chicago, Ill. Talking motion picture apparatus. 2,031,606; Feb. 25.

King, Everett W., Norwalk, Conn., assignor to The Lerschedler-Schang Co., Inc., Rochester, N. Y. Merchandise container. 2,031,885; Feb. 25.

Kispert, Joseph J., Hamden, assignor, to I. Newman & Sons, Inc., New Haven, Conn. Corset. 2,032,216; Feb. 25.

Kiss, Stephen A., Brooklyn, N. Y., assignor to Standard-I. G. Company. Destructive hydrogenation. 2,031,961; Feb. 25.

Kitchen Art Foods, Inc. (See McKinney, W. A., and Lorenzen, assignors.)

Kitzmiller, William R., assignor to Frick Company, Waynesboro, Pa. Refrigerant liquid return system. 2,032,286; Feb. 25.

Kitzmiller, William R., assignor to Frick Company, Waynesboro, Pa. Refrigerant feed control. 2,032,287; Feb. 25.

Kleenglas (1935) Limited. (See Griffiths, Alfred, assignor.)

Klefecker, Charles E., Newark, assignor to Bloomer Bros. Company, Newark, N. Y. Ice cream pail. 2,031,834; Feb. 25.

Kliesrath, Victor W., assignor to Brarg-Kliesrath Corporation, South Bend, Ind. Clutch control mechanism. 2,031,716; Feb. 25.

Knapp, Leland G., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Skate wheel and producing same. 2,032,089; Feb. 25.

Knisley, Andrew W. (See Hegenberger, A. F., and Knisley.)

Koecher, Emil A., assignor, by mesne assignments, to The Bartlett Hayward Company, Baltimore, Md. Method of expanding pistons. 2,032,020; Feb. 25.

Kohler, Harriet S., Larchmont, N. Y., and F. R. MacKinnon, Westport, Conn. Lady's garment. 2,032,823; Feb. 25.

Kohr, Robert F., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,031,717; Feb. 25.

Kollsman, Paul, Woodhaven, N. Y. Lag compensating device. 2,031,837; Feb. 25.

Konrad, Erich. (See Breuers, W., Mark, and Konrad.)

Korschan, Heinz. (See Rittershausen, F., and Korschan.)

Kovalik, Anthony, Whitaker, Pa. Clothesline prop. 2,032,132; Feb. 25.

Kovalsky, Joseph F., Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 2,032,176; Feb. 25.

Krakauer, Samuel, and S. S. Marcus, New York, N. Y. Apparatus for tying coil springs together. 2,031,894; Feb. 25.

Krantz, H., Söhne. (See Hahn, Mathias, assignor.)

Krauth & Benninghofen. (See Krauth, Marie W., assignor.)

Krauth, Marie W., assignor to Krauth & Benninghofen, Hamilton, Ohio. Typewriter attachment. 2,031,963; Feb. 25.

Krebs Pigment and Color Corporation. (See von Bichowsky, Foord, assignor.)

Krebser, Adolf, assignor to the firm J. R. Geigy, A. G., Basel, Switzerland. Diane dyestuff and its production. 2,032,133; Feb. 25.

Kress, Claude W., New York, N. Y. Display device for merchandise. 2,031,718; Feb. 25.

Krupp, Fried., Aktiengesellschaft. (See Rittershausen, F., and Korschan, assignors.)

Kuchenbuch, Johannes. (See Binapfl, J., and Kuchenbuch.)

Kühle, Wilhelm E. D. Prinz, and F. Herriger, Berlin, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Magnetron. 2,031,778; Feb. 25.

Kuhlman, Oscar F. (See Rechard, O. H., and Kuhlman.)

Kundtz, Theodore A., assignor to The Federal Glass Company, Columbus, Ohio, Carton. 2,031,968; Feb. 25.

Küppenbender, Heinz, Dresden, Germany. Photographic camera. 2,032,060; Feb. 25.

Küppenbender, Heinz, Dresden, Germany. Photographic camera. 2,032,061; Feb. 25.

Kuss, John, Chicago, Ill. Reclining chair. 2,032,288; Feb. 25.

Lacroix, Charles, Brussels, Belgium. Hydraulic shock absorber for vehicles. 2,032,289; Feb. 25.

Ladd, Walter P., Gary, Ind. Grating and making same. 2,031,779; Feb. 25.

Laird, Wilbur G., Pleasantville, assignor to Doherty Research Company, New York, N. Y. Pressure relief valve. 2,032,325; Feb. 25.

Lamatsch, Frederick, Grantwood, N. J., assignor to R. Hoe & Co., Inc., New York, N. Y., Irving Trust Company, permanent trustee. Rotary cutting and folding mechanism for printing machines. 2,031,780; Feb. 25.

Lange, Gustav. (See Freudenberg, Richard and H., Runkel, and Lange.)

Langwell, Herbert, and C. B. Maddocks, Epsom, England. Manufacture of condensation products from alcohols and phenols. 2,031,719; Feb. 25.

Lansing, Raymond P., Montclair, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine starting apparatus. 2,031,781; Feb. 25.

Lansing, Raymond P., Montclair, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,031,782; Feb. 25.

La Radiotechnique. (See Rocard, Yves, assignor.)

Larkin, Lester U., assignor to Larkin Refrigerating Corporation, Atlanta, Ga. Heat exchanger. 2,032,134; Feb. 25.

Larkin Refrigerating Corporation. (See Larkin, Lester U., assignor.)

Lasher, Marshall. (See Hooker, A. A., and Lasher.)

Lawrence, Ralph H., Wickliffe, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Carboxylic acid derivatives of sulphurized cinchona bark alkaloids. 2,031,896; Feb. 25.

Lawson, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, assignors to Hemphill Company, Central Falls, R. I. Knitting machine and method of knitting. 2,032,324; Feb. 25.

Leach, Charles H., Roselle, N. J. Heat exchange apparatus. 2,032,021; Feb. 25.

Lee, Arthur L., Gibsonia, Pa. Rail bond. 2,032,290; Feb. 25.

Lee, Beales, Drayton, and F. P. Bevis, Waterlooville, England. Fastening means. 2,032,022; Feb. 25.

Lee, Harry S., Detroit, Mich. Process and apparatus for burning fuel. 2,032,135; Feb. 25.

Lee, Paul R., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Manual reset thermostat. 2,032,136; Feb. 25.

Lee, Roger K., Highland Park, and W. J. McCortney, Royal Oak, assignors to Chrysler Corporation, Detroit, Mich. Making bonded rubber and metal articles. 2,031,720; Feb. 25.

Leeds & Northrup Company. (See Harsch, John W., assignor.)

Leland Electric Company, The. (See Leland, George H., assignor.)

Leland, George H., Dayton, Ohio, assignor to The Leland Electric Company. Oscillatory motor. 2,032,326; Feb. 25.

Lenke, George H., Elmhurst, Ill. Supporting skylight glasses and the like. 2,031,890; Feb. 25.

Leonhart, William F., St. Louis County, Mo. Attaching spouts to containers. 2,031,838; Feb. 25.

Le Voci, Frank, New York, N. Y. Combined cigarette lighter and case. 2,032,094; Feb. 25.

Lichten, Maurice A., Fort Howard, Md., assignor, by mesne assignments, to Fidelitone Records, Inc. Apparatus for engraving sound vibrations on flexible records. 2,032,062; Feb. 25.

Limbach, Alex, Carmel, N. Y. Container for lip sticks and the like. 2,031,839; Feb. 25.

Linder, Francis, assignor to Eclipse Aviation Corporation, East Orange, N. J. Driving mechanism. 2,031,783; Feb. 25.

Linderman, Garrett B., Jr. (See Sleeman, H. W., and Linderman.)

Lindsley, Milton F., Jr., Kings Mills, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Making smokeless powder. 2,031,659; Feb. 25.

Lisicke, Paul, South Coventry, Conn. Bracket. 2,032,023; Feb. 25.

Lloyd, Homer J. (See Ekstromer, Edward C., assignor.)

Lloyd, John. (See Murray, C. V., and Lloyd.)

Loepsinger, Albert J., assignor to General Fire Extinguisher Company, Providence, R. I. Sealing charged glass bulbs. 2,031,660; Feb. 25.

Loewe, Siegmund, Berlin-Steglitz, Germany. Manufacturing highly emissive cathodes. 2,031,721; Feb. 25.

Loewe, Siegmund, and P. P. Fries, Berlin, Germany. Braun tube. 2,031,722; Feb. 25.

Logan, John W., Jr., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake control. 2,032,177; Feb. 25.

Logan, John W., Jr., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Retardation controller. 2,032,178; Feb. 25.

Logue, Leland H., assignor to Denver Patent Company, Denver, Colo. Pump. 2,031,609; Feb. 25.

Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Telephone pay station apparatus. 2,032,063; Feb. 25.

Lorenzen, Heinz G. (See McKinney, W. A., and Lorenzen.)

Lorscheider-Schang Co., The. (See King, Everett W., assignor.)

Losa, Vaclav. (See Mikulasek, John, assignor.)

Lowry, Erwin F., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Oxide coated cathode for heavy duty service. 2,032,179; Feb. 25.

Lübcke, Ernst, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Uniformly controllable gas or vapor discharge valve. 2,032,137; Feb. 25.

Luce, Albert L., Fort Valley, Ga. Window sash fastener. 2,031,897; Feb. 25.

Lucker, Hubert H., Detroit, Mich. Beer keg and dispensing mechanism. 2,032,024; Feb. 25.

Ludwig, Leon R., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical conversion system. 2,032,138; Feb. 25.

Lum, Walter O., Schenectady, N. Y., assignor to General Electric Company. Pumping apparatus. 2,032,291; Feb. 25.

Lynn, Harry S. (See Mott, G. A., and (Jones, assignor).)

Lyon Cover Company. (See Jandus, Herbert S., assignor.)

Lyon Cover Company. (See Short, Bladen M., assignor.)

Macbeth-Evans Glass Company. (See McGregor, R. H., and Tillotson, assignors.)

MacKinnon, Frances R. (See Kohler, H. S., and MacKinnon.)

Macy, Albert J., Evanston, assignor to Macy Art Process Corporation, Chicago, Ill. Color screen device. 2,032,139; Feb. 25.

Macy Art Process Corporation. (See Macy, Alfred J., assignor.)

Maddocks, Charles B. (See Langwell, H., and Maddocks.)

Magnavox Company, The. (See Hinchen, Donald T., assignor.)

Magnesium Development Corporation. (See Paine, Roy R., assignor.)

Magnesium Products, Inc. (See Kemmer, Frank R., assignor.)

Maker, Frank L., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Apparatus for fractional distillation. 2,031,610; Feb. 25.

Malleable Iron Range Company. (See Burrow, Herbert T., assignor.)

Mallinckrodt Chemical Works. (See Whitmore, F. C., Homeyer, Jones, and Trent, assignors.)

Mallory, Lewis E., and J. T. Nash, Decatur, Ga. Filter device. 2,032,140; Feb. 25.

Malm, Carl J., and C. L. Fletcher, assignors to Eastman Kodak Company, Rochester, N. Y. Making cellulose esters. 2,031,611; Feb. 25.

Manauf, R. L., Company. (See Runge, George C., assignor.)

Mapes, Daniel, Upper Montclair, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y. Pull box remote control. 2,031,964; Feb. 25.

Mapes, Daniel, Upper Montclair, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y. Fire extinguishing apparatus. 2,031,965; Feb. 25.

Marathon Paper Mills Company. (See Meier, A. M., and Drake, assignors.)

Marcus, Samuel S. (See Krakauer, S., and Marcus.)

Mark, Hermann. (See Breuers, W., Mark, and Konrad.)

Markel, John M. (See Hendricks, S. B., and Markel.)

Marmon-Herrington Company. (See Herrington, Arthur W., assignor.)

Marsden, George B., Los Angeles, Calif. Radio tuning system. 2,031,841; Feb. 25.

Marsh, Frank L. (See Best, J. C., and Marsh.)

Marsh, Frank L., assignor to The Best Brothers Keen's Cement Company, Medicine Lodge, Kans. Decolorizing gypsum. 2,031,898; Feb. 25.

Martin, Perry S., Harrisonburg, Va. Drinking fountain. 2,031,728; Feb. 25.

Maslin, Albert J. (See Rose, H. A., and Maslin.)
Mason, Barnet, Bronx, N. Y. Form for making concrete roads. 2,031,612; Feb. 25.
Masse, John E., Lawrence, Mass. Sleeve holder. 2,032,292; Feb. 25.
Materials Protector Corporation. (See Schneider, R., and Poelman, assignors.)
Mathias, Robert J., Cincinnati, Ohio. Centrifugal thermoelectric machine. 2,031,966; Feb. 25.
Mathias, Robert J., Cincinnati, Ohio. Thermoelectric motor-generator. 2,031,967; Feb. 25.
Mathias, Robert J., Cincinnati, Ohio. Thermoelectric turbine. 2,031,968; Feb. 25.
Mathieson Alkali Works, Inc., The. (See Vincent, George Pa., assignor.)
Matten, Edward D., assignor to Decatur Brick Manufacturing Company, Decatur, Ill. Indenting and stamping machine for clay products, such as paving brick and the like. 2,031,890; Feb. 25.
Matthews, Guy L., and H. L. Diehl, Chicago, Ill., said Matthews assignor to said Diehl. Tensioning device. 2,032,217; Feb. 25.
Maxwell, Walter, Marshfield, Wis. Tractor wheel. 2,032,293; Feb. 25.
May, Lawrence E., Jefferson City, Mo. Knock-down crib. 2,032,141; Feb. 25.
McAlpine, Isaac J. (See Pritchard, R. E., and McAlpine.)
McBee Company, The. (See Burke, William F., assignor.)
McCarty, Madison P., assignor of one-half to C. E. Boren, Dallas, Tex. Condenser tester. 2,031,840; Feb. 25.
McClelland, Harold L. (See Dyer, F. C., and McClelland.)
McCord, Charles D., Shaker Heights, Ohio. Shower shield. 2,032,180; Feb. 25.
McCortney, Willett J. (See Lee, R. K., and McCortney.)
McCulloch, Leon, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cement. 2,032,142; Feb. 25.
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Triple valve device. 2,032,143; Feb. 25.
McDonald, Chestrr E., Schenectady, N. Y., assignor to General Electric Company. Electric heating pad. 2,032,294; Feb. 25.
McElroy, J. H., & Company. (See Howard, James H., assignor.)
McFadden, Elmer D., assignor of one-eighth to H. L. McFadden, Harrisville, and one-eighth to P. R. McFadden, Grove City, Pa. Oil well packer. 2,031,613; Feb. 25.
McFadden, Horrise L., et al. (See McFadden, Elmer D., assignor.)
McFadden, Perry R., et al. (See McFadden, Elmer D., assignor.)
McGohan, George W. (See Canfield, J. J., and McGohan.)
McGregor, Rob R., Swissvale, and R. W. Tillotson, Pittsburgh, assignors to Macbeth-Evans Glass Company, Charleroi, Pa. Purifying glass sand. 2,031,909; Feb. 25.
McKee, Grosvenor S., Athens, Ohio, and H. L. Galson, Philadelphia, Pa., assignors to Baldwin-Southwark Corporation. Valve mechanism and actuating means therefor. 2,031,614; Feb. 25.
McKinney, Edward G., Enid, Okla. Climbing assembly. 2,031,615; Feb. 25.
McKinney, William A., Winnetka, and H. G. Lorensen, assignors to Kitchen Art Foods, Inc., Chicago, Ill. Food product and its manufacture. 2,031,724; Feb. 25.
McNeil, Charles I., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Electrical apparatus. 2,031,784; Feb. 25.
Mead, Samuel N., Amesbury, Mass., assignor to Chas. J. Henschel & Co., Inc., New York, N. Y. Signaling system. 2,031,970; Feb. 25.
Mebmert, Alfred, Boscobel, Wis. Tire spreading machine. 2,032,295; Feb. 25.
Meier, Anton M., Menasha, and R. I. Drake, Appleton, Wis., assignors, by mesne assignments, to Marathon Paper Mills Company, Rothschild, Wis. Container. 2,032,296; Feb. 25.
Meinecke & Company. (See Johnson, Edward, assignor.)
Mellek, John M., Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector apparatus. 2,032,218; Feb. 25.
Mellor, Adrien E., Beaumont, Calif. Screen door fastener. 2,031,725; Feb. 25.
Mendenhall, Lewis P., Dover, N. J. Pocket vector. 2,031,661; Feb. 25.
Meng, Harry E., Oak Park, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Sprinkler head. 2,032,064; Feb. 26.
Mercier, Pierre E., Paris, France. Wing structure. 2,031,662; Feb. 25.
Mergott, J. E. Company, The. (See Hiering, William C., assignor.)
Meyer, George L. N., Milwaukee, Wis. Bottle centering means. 2,031,663; Feb. 25.
Michiana Products Corporation. (See Burchhalter, H. N., and Osburn, assignors.)
Mikulasek, John, Newton, Iowa, assignor to V. Loss, Cornopolis, Pa. Coupling. 2,032,297; Feb. 25.
Miller, Derr, Detroit, Mich., assignor to Dura Company, Toledo, Ohio. Doorlatch mechanism. 2,031,604; Feb. 25.
Miller, Edward J., Minneapolis, Minn. Acoustical wall surfacing. 2,031,900; Feb. 25.
Mine Safety Appliances Co. (See Dym, Joseph B., assignor.)
Mitchell, Elmer C., Chicago, Ill. Toy machine gun. 2,031,842; Feb. 24.
Mitchell, Robert E., Seattle, Wash. Expansion joint filler, shear bar and sleeve alignment device. 2,031,901; Feb. 25.
Mock, James C., Detroit, Mich. Wheeled vehicle. 2,032,219; Feb. 25.
Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Radiator core. 2,032,065; Feb. 25.
Modine Manufacturing Company. (See Modine, Arthur B., assignor.)
Moettell, Arnold, Winterthur, assignor to firm Sulzer Frères Societe Anonyme, Winterthur, Switzerland. Apparatus for the dry cooling of coke. 2,031,843; Feb. 25.
Monk, Newton. (See Espenschied, L., and Monk.)
Montgomery Ward & Co. (See Knapp, Leland G., assignor.)
Moore, Hugh K., Berlin, assignor to Brown Company, Berlin, N. H. Manufacture of caustic soda. 2,031,844; Feb. 25.
Moore, John E., Manchester, England. Weft replenishing mechanism of looms for weaving. 2,031,726; Feb. 25.
Morgan, Launcelot R., Tucson, Ariz. Can opener. 2,031,845; Feb. 25.
Morrissey, William J., Brooklyn, N. Y. Light concentrate method and means. 2,031,971; Feb. 25.
Morton, Charles, Pawtucket, R. I. Weighting means for spinning frames. 2,032,298; Feb. 25.
Moser, Frans R., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Sweetening process. 2,031,972; Feb. 25.
Mott, George A., and C. C. Jones; said Jones assignor of his right to H. S. Lynn, Santa Monica, Calif. Solvent recovery device. 2,032,299; Feb. 25.
Moulded Pulp Corporation. (See Plunkett, Paul, assignor.)
Mouromtseff, Ilia E., and H. V. Noble, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Standing wave oscillating system. 2,032,181; Feb. 25.
Mudge, Charles W., Cranford, N. J., assignor to Standard Oil Development Company. Impregnation of wood. 2,031,973; Feb. 25.
Murdock, Harold E., assignor to The Champion Fibre Company, Canton, N. C. Recovery of chemicals from waste pulping liquors. 2,031,974; Feb. 25.
Murlie, Silvey M. (See Tarkington, Harry K., assignor.)
Murphy, Edward A., and D. F. Twiss, Erdington, Birmingham, and R. G. James, Selly Oak, Birmingham, assignors to Dunlop Rubber Company Limited, London, England. Manufacture of golf balls and the like. 2,032,220; Feb. 25.
Murray, Clifford V., and J. Lloyd, Coventry, assignors to Sir W. G. Armstrong Whitworth Aircraft Limited, Coventry, England. Gun mounting, particularly for aircraft. 2,032,300; Feb. 25.
Murray Company, The. (See Blewett, John, assignor.)
Murrmann, Fred A., et al. (See Tiedemann, Clinton C., assignor.)
Muth, Herbert, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Electric oscillation circuit. 2,031,846; Feb. 25.
Myers, Eddie P., St. Louis, assignor of forty per cent to F. D. Reynolds, University City, Mo. Covered receptacle. 2,032,221; Feb. 25.
Myers, Harry L., assignor to American Floor Surfacing Machine Company, Toledo, Ohio. Floor sanding machine. 2,031,665; Feb. 25.
N. V. Philips' Gloeilampenfabrieken. (See Teves, M. C., and van Embden, assignors.)
Naden, James H. (See Deane, H. C., and Naden.)
Nall, Elmer L., Wheaton, Ill. Liquid dispenser. 2,031,616; Feb. 25.
Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Combined engine starter and compressor. 2,032,025; Feb. 25.
Nash, Joseph T. (See Mallory, L. K., and Nash.)
National Aniline & Chemical Company. (See Perkins, Robert L., assignor.)
National Cash Register Company, The. (See Shipley, Bernis M., assignor.)
Naylor, Paul, Long Branch, Ontario, Canada. Overhead sliding door. 2,031,847; Feb. 25.
Neill, Paul. (See Tromp, G. P., and Neill.)
Nelson, Claude A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,032,144; Feb. 25.
Nelson, Claude A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,032,145; Feb. 25.
Neumann, Frederick F. (See Sherman, R. M., and Neumann.)
Neves, Anesimo, Livry-Gargan, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Steering mechanism. 2,032,146; Feb. 25.
Newman, L., & Sons, Inc. (See Kispert, Joseph J., assignor.)
Newman, Thomas J., Canton, Ohio. Meter test block. 2,032,301; Feb. 25.
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
New York Air Brake Company, The. (See Cartin, James D., assignor.)
Nieman, Henry W., Bethlehem, and G. B. Linderman, Jr., Pittsburgh, Pa., assignors to Bethlehem Steel Company. Clutch. 2,032,066; Feb. 25.
Niemand, Otto, Long Island City, N. Y. Rotary printing machine. 2,031,727; Feb. 25.
Noble, Harrell V. (See Mouromtseff, I. E., and Noble.)
Norris, Charles E., London, Ontario, Canada. Tire vulcaniser. 2,032,222; Feb. 25.
North, George H., and E. J. Baker, La Crosse, Kans. Firearm. 2,031,785; Feb. 25.
Northam Warren Corporation. (See Bishop, Clifford E., assignor.)
North American Holding Corporation, et al. (See Eaton, Charles F., assignor.)
Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, Ewing Township, Mercer County, N. J. Electrical conductor. 2,031,975; Feb. 25.
Novotny, Anton, assignor to Detroit Gray Iron Foundry Company, Detroit, Mich. Valve. 2,032,302; Feb. 25.
Noxon, Paul A., Bergenfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Synchronising system. 2,031,976 Feb. 25.
Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Electrooptical system. 2,031,728; Feb. 25.
Oakite Products, Inc. (See Johnson, Carl, assignor.)
O'Donnell, Bertram W. (See Keihl, Ernest F. W., Jr.)
Oertel, Wilhelm, Berlin-Steglitz, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric locomotive with individual axle drive. 2,032,327; Feb. 25.
Ogden, Ronald, Slough, England. Constructional toy. 2,031,848; Feb. 25.
Oldham, John M., assignor to L. A. Young Company, Detroit, Mich. Apparatus for making golf balls. 2,031,786; Feb. 25.
O'Leary, Eugene A., Holyoke, Mass. Apparatus for dispensing liquids. 2,032,095; Feb. 25.
O'Leary, John J., Petersburg, Va., assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Pipe fitting. 2,031,849; Feb. 25.
Olsen, John C., assignor to Flexible Steel Lacing Company, Chicago, Ill. Tool for preparing belt ends. 2,031,977; Feb. 25.
Öman, Erik, Stocksund, near Stockholm, assignor to Industrikemiska Aktiebolaget, Stockholm, Sweden. Evaporating method and means therefor. 2,032,182; Feb. 25.
O'Neil, Joseph F. (See Golden, J. P., and O'Neil.)
Orgitano, Nick, Lebanon, Pa. Exercising machine. 2,032,303; Feb. 25.
Osburn, James M. (See Burckhalter, H. N., and Osburn.)
Osgood, George H., Tacoma, Wash. Barrel head fastener. 2,031,729; Feb. 25.
Ostgaard, Albert, Cadogan, assignor of one-half to W. Ganser, Provost, Alberta, Canada. Oil or gasoline barrel lock. 2,032,223; Feb. 25.
Outboard Motors Corporation. (See Evinrude, Ole, assignor.)
Outboard Motors Corporation. (See Irgens, Finn T., assignor.)
Pacific Marine Supply Company. (See Himberger, Earl W., assignor.)
Packard Motor Car Company. (See Paton, Clyde E., assignor.)
Padgett, Benjamin L., Brooklyn, N. Y. Data indicator. 2,032,304; Feb. 25.
Paine, James W. (See Hambrecht, G. D., and Paine.)
Paine, Roy E., Cleveland, Ohio, assignor, by mesne assignments, to Magnesium Development Corporation. Alloys. 2,031,978; Feb. 25.
Parker, Humphrey F., Detroit, Mich., and E. E. House, assignors to Bendix Brake Company, South Bend, Ind. Brake. 2,031,730; Feb. 25.
Parshad Holding Corporation, et al. (See Eaton, Charles F., assignor.)
Patent and Licensing Corporation, The. (See Dudleston, William G., assignor.)
Paton, Clyde E., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Fan. 2,032,224; Feb. 25.
Patten, Thomas C., Tyler, Tex. Rotary drilling machine. 2,031,731; Feb. 25.
Patton, Cleon E., assignor of one-half to W. Carlson, Portland, Oreg. Choke valve controls for multicylindered internal combustion engines. 2,031,902; Feb. 25.
Pearce, W. L. (See Church, Walter L., assignor.)
Penick & Ford, Ltd. (See Widmer, John M., assignor.)
Perkins, Edwin E., Riverside, Ill. Paper envelope. 2,032,067; Feb. 25.
Perkins, Robert L., East Aurora, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of 5-halogen-2-aminotoluenes. 2,031,666; Feb. 25.
Perry, John H., and E. S. Ridler, Shaker Heights, assignors to The Grasselli Chemical Company, Cleveland, Ohio. Sulphuric acid contact process. 2,031,787; Feb. 25.
Persoons, Alphonse. (See Persoons, Jules, and A.)
Persoons, Jules, and A. Persoons, Thildonck, Belgium. Linen washing machine. 2,031,788; Feb. 25.
Peterson, Clarence E., San Diego, Calif. Shell reloading machine. 2,031,850; Feb. 25.
Petznick, Herman P., Davenport, Iowa. Train pipe coupling. 2,032,096; Feb. 25.
Piehl, Sven O., and H. Friberg, Stockholm, Sweden. Apparatus for attaching seal caps on bottles. 2,032,225; Feb. 25.
Pierce, George W., Cambridge, Mass. Acoustic electric energy converter. 2,031,780; Feb. 25.
Pierce, Lawrence, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electromagnetic contact. 2,032,147; Feb. 25.
Pietzsch, Frank H. (See Campbell, S. H., and Pietzsch.)
Pigrott, Henry A., and G. S. J. White, Blackley, Manchester, assignors to Imperial Chemical Industries Limited, Westminster, England. Waterproofing leather. 2,032,097; Feb. 25.
Pioneer Instrument Company, Incorporated. (See Urfer, Adolf, assignor.)
Pipkin, Maurice E., New York, and E. J. Blake, Rochester, N. Y.; said Blake assignor to said Pipkin. Audible signal device. 2,031,667; Feb. 25.
Pittsburgh Plate Glass Company. (See Clause, Robert L., assignor.)
Pittsburgh Plate Glass Company. (See Galey, Henry J., assignor.)
Pittsburgh Plate Glass Company. (See Geisthary, F., and Fox, assignors.)
Pittsburgh Plate Glass Company. (See Hitner, Harry F., assignor.)
Plunkett, Paul, Port Chester, N. Y., assignor, by mesne assignments, to Moulded Pulp Corporation, Dover, Del. Container for thread bodies. 2,031,851; Feb. 25.
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Andiron. 2,031,732; Feb. 25.
Poelman, Armand. (See Schneider, R., and Poelman.)
Poillot, Jean P. E., assignor to Etablissements Cobendet Guinard (Pompes Guinard & Etablissements Pompes Reunis) Chemin de la Fouilleuse, Saint Cloud, France. Meter for liquids. 2,031,852; Feb. 25.
Polysius, Firm G., Aktiengesellschaft. (See Thiefeldt, Johannes, assignor.)
Porcelain Enamel & Manufacturing Company of Baltimore, The. (See Turk, Karl, assignor.)
Porter, Harry F., Harrison Township, Allegheny County, Pa., assignor to Allegheny Steel Company. Electric controller of the variable voltage type. 2,013,733; Feb. 25.
Potts, Ralph H., assignor to Armour and Company, Chicago, Ill. Packaging molten soap. 2,031,853; Feb. 25.
Poulin, François, assignor of one-half to L. Chevalier, Sherbrooke, Quebec, Canada. Dispensing device for collapsible tubes. 2,032,305; Feb. 25.
Pranke, Edward J., Great Barrington, Mass., assignor to E. I. du Pont de Nemours & Company, Inc. Cooling molten material. 2,031,790; Feb. 25.
Pratt, William H., Lynn, Mass., assignor to General Electric Company. Pointer mounting arrangement for measuring instruments. 2,032,306; Feb. 25.
Prevette, B. T. (See Prevette, Leander F., assignor.)
Prevette, Leander F., Thomasville, assignor of one-half to B. T. Prevette, Lexington, N. C. Folding aeroplane wing. 2,032,307; Feb. 25.
Prickett, Thomas E. (See Harrison, J. W., and Prickett.)
Prins, Dietrich. (See Kühle, W. E., Prins, and Herriger.)
Pritchard, Reginald E., Old Trafford, and I. J. McAlpine, Urmston, assignors to W. T. Glover and Company Limited, Manchester, England. Roller closing die arrangement for use in stranding machines. 2,032,308; Feb. 25.
Purnell, Enoch, et al. (See Ingels, James J., assignor.)
Radford, William H., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Thermostat mounting. 2,032,069; Feb. 25.
Radio Corporation of America. (See Batsel, C. N., and Kellogg, assignors.)
Radio Corporation of America. (See Braden, Reno A., assignor.)
Radio Corporation of America. (See Chouinard, Oscar, assignor.)
Radio Corporation of America. (See Dimmick, Glenn L., assignor.)
Radio Corporation of America. (See Finch, James L., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Holden, Harold C., assignor.)
Radio Corporation of America. (See Kellogg, Edward W., assignor.)
Radio Corporation of America. (See Kellogg, E. W., and Read, assignors.)
Radio Corporation of America. (See Sachtleben, Lawrence T., assignor.)
Radio Corporation of America. (See Schiff, Frank, assignor.)
Radio Corporation of America. (See Thomas, Adolph A., assignor.)
Radio Corporation of America. (See White, Sidney T., assignor.)
Radio Corporation of America. (See Zimmerman, Arthur G., assignor.)
Railway Devices Company. (See Campbell, S. H., and Pietzsch, assignors.)
Ramisé, Cécile, Suresnes, France. Electrically actuated pulsator pump. 2,032,148; Feb. 25.

Rapid Roller Company. (See Wightman, Andrew M., assignor.)

Rare Chemicals, Inc. (See Ach, L., and Dircheri, assignors.)

Rash, Ben C., Henderson, Ky. License plate for automobiles. 2,032,026; Feb. 25.

Rasmussen, Charles H., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Container closure. 2,031,979; Feb. 25.

Rawlins, Herbert L., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,032,149; Feb. 25.

Rawlings Manufacturing Company. (See Whitley, William P., assignor.)

Raytheon Manufacturing Company. (See Bush, Vannevar, assignor.)

Read, Sidney, Jr. (See Kellogg, E. W., and Read.)

Rechard, Ottis H., and O. F. Kuhlman, York, Pa., assignors, by mesne assignments, to American Chain Company, Inc., New York, N. Y. Service jack. 2,032,809; Feb. 25.

Reda Pump Company. (See Brown, C. C., Van Wert and Arutunoff, assignors.)

Reedy, Franklin G. (See Reedy, Melvin E., assignor.)

Reedy, Melvin E., Tulsa, Okla., assignor to Franklin G. Reedy, Warren, Ind. Drill bit. 2,032,828; Feb. 25.

Rees', Hans, Sons, Inc. (See Rees, Louis du B., assignor.)

Rees, Louis du B., assignor to Hans Rees' Sons, Inc., New York, N. Y. Method and apparatus for impregnating leather. 2,032,027; Feb. 25.

Rees, Louis du B., assignor to Hans Rees' Sons, Incorporated, New York, N. Y. Impregnating apparatus. 2,032,028; Feb. 25.

Reich, Gustave T., Drexel Hill, Pa. Purifying yeast. 2,031,668; Feb. 25.

Reich, Gustave T., Drexel Hill, Pa. Dehydrating esters. 2,031,669; Feb. 25.

Reich, Gustave T., Philadelphia, Pa. Recovering non-sugars from saccharine materials. 2,031,670; Feb. 25.

Reiche, Karl A. M., Dresden, Germany, assignor to T. C. Weyrandt Company, New York, N. Y. Mold. 2,032,329; Feb. 25.

Reinert, Joseph F., Quakertown, Pa. Hosiery drier. 2,032,310; Feb. 25.

Renner, Maynard S. (See Tucker, G. R., Kennedy, and Renner.)

Rex-Hide, Incorporated. (See Kempel, Arthur B., assignor.)

Reynolds, Frederick D. (See Myers, Eddie P., assignor.)

Richards, Willard F., Depew, assignor to The Gould Coupler Company, New York, N. Y. Coupler. 2,031,617; Feb. 25.

Richards, William F. (See Ungnade, O., and Richards.)

Richardson, Conrad, assignor to Ring Containers Limited, London, England. Lifting sheet material from a support or pile. 2,032,150; Feb. 25.

Richardson, Harris P. (See Smith, Herschel D., assignor.)

Richter, George A., assignor to Brown Company, Berlin, N. H. Surface-finished paper. 2,031,854; Feb. 25.

Richter, Robert, assignor to the firm of Carl Zeiss, Jena, Germany. Anastigmatic objective for photography and projection. 2,031,792; Feb. 25.

Ricks, Fred. H. E. Elliott and F. C. Choice, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 2,032,311; Feb. 25.

Riddick, William N., De Ridder, La. Post sizing and peeling machine. 2,031,903; Feb. 25.

Riddle, Parker, Pittsburgh, Pa. Window sash locking means. 2,031,791; Feb. 25.

Ridler, Earl S. (See Perry, J. H., and Ridler.)

Riebel, Frederick, Jr., D. M. Dow, and L. W. Child, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 2,031,734; Feb. 25.

Ring, Andrew D., Washington, D. C., assignor to General Electric Company. Carrier wave signaling system. 2,032,312; Feb. 25.

Ring Containers Limited. (See Richardson, Conrad, assignor.)

Rising, Harry A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lubricating system. 2,031,671; Feb. 25.

Risser, Arthur L., assignor to U. S. Bottlers Machinery Co., Chicago, Ill. Container closure applying apparatus. 2,031,735; Feb. 25.

Rittershausen, Fritz, and H. Kerschan, Essen, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Machine parts and apparatus intended for high temperature operation. 2,031,904; Feb. 25.

Roberts, Joseph E., Waterbury, Conn., assignor to The F. B. Shuster Company, New Haven, Conn. Long stock fabricating machine. 2,032,098; Feb. 25.

Roberts, Joseph K., and M. T. Carpenter, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Gasoline manufacturing process. 2,032,330; Feb. 25.

Robins Conveying Belt Company. (See Robins, Samuel D., assignor.)

Robins, Samuel D., Manhasset, N. Y., assignor to Robins Conveying Belt Company, Passaic, N. J. Bearing and carrier. 2,031,818; Feb. 25.

Robinson, Preston, Williamstown, assignor to Sprague Specialties Company, North Adams, Mass. Electrolytic device. 2,031,793; Feb. 25.

Robinson, William J. (See Galligan, J. J., and Robinson.)

Recard, Yves, assignor to La Radiotechnique, Paris, France. Radio receiving system. 2,031,786; Feb. 25.

Roeder, Charles, New York, N. Y. Metal frame and rail for tile. 2,032,226; Feb. 25.

Rollason, Charles H., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Sanitary shipping container. 2,031,855; Feb. 25.

Romnes, Haakon I., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gain control circuit. 2,031,980; Feb. 25.

Rosales, Arturo, Panama, Panama. Crate. 2,031,737; Feb. 25.

Ross, Herbert A., Wilkinsburg, and A. J. Mastin, Sharpsville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ignition transformer. 2,032,151; Feb. 25.

Rosenberg, Heyman, New York, N. Y. Fastener and producing same. 2,032,093; Feb. 25.

Rosovsky, Nathan, assignor to Elite Specialty Metal Co., Inc., New York, N. Y. Handbag. 2,032,227; Feb. 25.

Ross, Charles W. (See Goodell, F. H., and Ross.)

Ross, Frederick N., Grosse Pointe Park, and H. L. Johnson, assignors to Briggs Manufacturing Company, Detroit, Mich. Sewing machine mechanism. 2,031,905; Feb. 25.

Ross, Frederick N., Grosse Pointe Park, and H. L. Johnson, assignors to Briggs Manufacturing Company, Detroit, Mich. Upholstery sewing machine. 2,031,906; Feb. 25.

Ross, King. (See Safranski, P., and Ross.)

Rossman, Edwin F., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Shock absorber. 2,032,183; Feb. 25.

Rowe, William H., New York, N. Y. Multiple coin actuated plunger. 2,032,228; Feb. 25.

Rowton, Harold S., and J. L. Rowton, Aberdeen, Scotland. Machine for filleting fish. 2,031,856; Feb. 25.

Rowton, John L. (See Rowton, Harold S. and J. L.)

Rueb, Theodore O., assignor to Sherman-Klove Company, Chicago, Ill. Display container for wrenches. 2,032,321; Feb. 25.

Rumford Chemical Works. (See Fiske, A. H., and Bryan, assignors.)

Rundlett, William D., North Adams, assignor to The James Hunter Machine Company, North Adams, Mass. Selvage opener for tentering machines. 2,032,070; Feb. 25.

Runge, George C., assignor to E. L. Mansur Company, Chicago, Ill. Tape ladder for Venetian blinds. 2,031,981; Feb. 25.

Runkel, Roland. (See Freudenberg, Richard, and H. Runkel, and Lange.)

Ruppel, Frederick H. (See Fisk, Arthur E., assignor.)

Ryan, John A., Bronx, N. Y. Window construction. 2,031,907; Feb. 25.

S. M. A. Corporation. (See Barnett, H. M., Frahling, and Germann, assignors.)

S. M. A. Corporation. (See Cross, Robert J., assignor.)

S. M. A. Corporation. (See Ungnade, O., and Richards, assignors.)

Sachtleben, Lawrence T., Camden, N. J., assignor to Radio Corporation of America. Phonographic apparatus. 2,031,857; Feb. 25.

Sachtleben, Lawrence T., Camden, N. J., assignor to Radio Corporation of America. Phonographic apparatus. 2,031,858; Feb. 25.

Safranski, Paul, and E. Ross, New York, N. Y. Moving picture sound recording and reproducing apparatus. 2,031,794; Feb. 25.

Salzman, George S., assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Apparatus for producing bimetallic strip. 2,031,796; Feb. 25.

Salzman, George S., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making bearings. 2,031,982; Feb. 25.

Sargent, Leonard M. (See Winning, C., Sargent, and Dudley.)

Saupe, Georg, Limbach, Germany. Flat warp knitting machine. 2,032,152; Feb. 25.

Sawin, Emilyn J., administratrix. (See Sawin, Lester M.)

Sawin, Lester M., deceased, Chicago, Ill., E. J. Sawin, administratrix, assignor to The Susse Nut Company, Chicago, Ill. Apparatus for treating toasted nuts. 2,031,903; Feb. 25.

Saxe, Arthur C., assignor to The Jaeger Machine Company, Columbus, Ohio. Well paint. 2,031,983; Feb. 25.

Schaefer, Frank M., Chicago, Ill. Oil can. 2,031,972; Feb. 25.

Schapira, Carl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Acoustic apparatus. 2,031,869; Feb. 25.

Schelske, Adolph. (See Fiedler, William J., assignor.)

Schiedel, Joseph. (See Smith, H., Schiedel, and Asbury.)

Schiff, Frank, Hampstead, London, England, assignor to Radio Corporation of America. Sound gate. 2,032,134; Feb. 25.

Schlesmann Aktiengesellschaft. (See Triebiagbans, Louis, assignor.)

Schloesmann Aktiengesellschaft. (See Gansen, Josef, assignor.)

Schneider, Hermann, Altona-on-the-Elbe, Germany. Multicompartment container. 2,032,153; Feb. 25.

Schneider, Robert, Paris, and A. Poelman, Charenton, France, assignors to Materials Protector Corporation, Newark, N. J. Protecting leathers, skins, fabrics and the like during their manipulation or making up into manufactured goods. 2,031,673; Feb. 25.

Schneider, Robert, Paris, and A. Poelman, Charenton, France, assignors to Materials Protector Corporation, Newark, N. J. Protecting shoes during their manufacture. 2,031,674; Feb. 25.

Schoch, Fred C., Oak Park, Ill. Magnetically releasable latch. 2,031,738; Feb. 25.

Scholz, Herman A., Oak Park, assignor to United States Gypsum Company, Chicago, Ill. Cementitious paint and plastic composition. 2,032,071; Feb. 25.

Schwarzmann, Wolfgang E. (See Wild, J. E., and Schwarzmann.)

Schweiger, Curt W., Munich, Germany. Sewing machine. 2,031,675; Feb. 25.

Schweitzer, William K., East Cleveland, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Soldering flux. 2,031,909; Feb. 25.

Sciaky, David, Paris, France. Transmission system for a pressure-operated member such as a hydraulic press. 2,032,185; Feb. 25.

Sealtest System Laboratories, Inc. (See Johnson, A. H., and Trebler, assignors.)

Servanton, Jacques, and J. M. Consail, Paris, France. Telephone call apparatus. 2,032,229; Feb. 25.

Seymour, George W., Cumberland, Md., assignor to Celanese Corporation of America. Cellulose derivative solvents. 2,031,619; Feb. 25.

Shaffer, Hosea, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Mold aligning apparatus. 2,031,739; Feb. 25.

Sharp & Dohme, Incorporated. (See Daughenbaugh, Paul J., assignor.)

Sheehan, William M., Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway car structure. 2,032,156; Feb. 25.

Shell Development Company. (See Deanesly, R. M., and Hearne, assignors.)

Shell Development Company. (See Meser, Franz R., assignor.)

Shenton, Francis. (See Small, N. M., and Shenton.)

Sherman-Klove Company. (See Rueb, Theodore O., assignor.)

Sherman, Ralliston M., Glastonbury, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Liquid fuel burner. 2,032,332; Feb. 25.

Sherman, Ralliston M., Glastonbury, assignor to The Silent Glow Oil Burner Corporation, Hartford, Conn. Liquid fuel burner. 2,032,824; Feb. 25.

Sherman, Ralliston M., Glastonbury, and F. F. Neumann, West Hartford, Conn., assignors to The Silent Glow Oil Burner Corporation, Hartford, Conn. Range burner. 2,032,833; Feb. 25.

Shindel, Harry F., assignor to Willson Products, Inc., Reading, Pa. Eye protector. 2,031,676; Feb. 25.

Shipley, Bernis M., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,031,860; Feb. 25.

Short, Haden M., assignor to Lyon Cover Company, Detroit, Mich. Fenderwell support for tires. 2,031,984; Feb. 25.

Shuster, F. B., Company, The. (See Roberts, Joseph H., assignor.)

Shyvers, Kenneth C., Chicago, Ill. Game. 2,031,740; Feb. 25.

Sickles, Royal F., Springfield, Mass. Condenser. 2,031,910; Feb. 25.

Silent Glow Oil Burner Corporation, The. (See Sherman, Ralliston M., assignor.)

Silent Glow Oil Burner Corporation, The. (See Sherman, R. M., and Neumann, assignors.)

Silesia, Verein Chemischer Fabriken. (See Kellner, Gerhard, assignor.)

Silex Company, The. (See Frank, Hugo, assignor.)

Simek, Joseph F., Omaha, Nebr. Switch box lath clamp. 2,031,821; Feb. 25.

Simmons, Arthur W., King's Cross, London, England, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,032,184; Feb. 25.

Simpson, John M., Muncie, Ind., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Freewheeling attachment for automobiles. 2,032,325; Feb. 25.

Sinfra A. G. St. Gallen (Switzerland). (See Hanf, Ferdinand, assignor.)

Sirian Lamp Company. (See Brasseltes, Chester H., assignor.)

Small, Norman M., and F. Shenton, assignors to Frick Company, Waynesboro, Pa. Oil recovery device. 2,032,230; Feb. 25.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,031,811; Feb. 25.

Smidth, F. L., & Co. (See Vogel-Jorgensen, Mikael, assignor.)

Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Indicator. 2,031,741; Feb. 25.

Smith, Herschel D., assignor of one-half to H. P. Richardson, Buffalo, N. Y. Pneumatic automobile spring. 2,031,862; Feb. 25.

Smith, Hugh, Buffalo, J. Schiedel, Hamburg, and A. B. Asbury, Buffalo, N. Y. Self-adjusting brake. 2,031,742; Feb. 25.

Smith, John F., Quincy, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Cutting machine. 2,031,744; Feb. 25.

Smith, Ralph M., Detroit, Mich. Circuit breaker. 2,032,072; Feb. 25.

Smith, Ray B., Tacoma, Wash. Glass beveling machine. 2,031,745; Feb. 25.

Snell, Samuel A., assignor to The Bingham Stamping & Tool Company, Toledo, Ohio. Welded article and process therefor. 2,031,863; Feb. 25.

Society of Chemical Industry in Basle. (See Bonhôte, Gérald, assignor.)

Society of Chemical Industry in Basle. (See Bonhôte, G., and Apotheker, assignors.)

Sole, John H. (See Duguid, J. M., and Sole.)

Sorensen, Rasmus C. P., Brooklyn, N. Y. Circuit breaker. 2,032,187; Feb. 25.

Spaeth, Charles P., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Blasting cap charge. 2,031,677; Feb. 25.

Spamer, Richard F. (See Johnson, C. C., Hopkins, and Spamer.)

Spear, Lambert E., assignor to Blue Moon Cheese Products, Inc., Minneapolis, Minn. Measuring and filling mechanism. 2,031,912; Feb. 25.

Spencer, Alexander, Westminster, London, England. India rubber spring. 2,032,100; Feb. 25.

Sperlich, Herman A., Highland Park, Mich. Extensible support for use in conjunction with cabinets and the like. 2,032,188; Feb. 25.

Sprague Specialties Company. (See Robinson, Preston, assignor.)

Staege, Stephen A., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical differential oil well drilling system. 2,032,155; Feb. 25.

Standard Car Truck Company. (See Webb, Edwin W., assignor.)

Standard-I. G. Company. (See Klee, Stephen A., assignor.)

Standard Oil Company. (See Roberts, J. K., and Carpenter, assignors.)

Standard Oil Company of California. (See Maker, Frank L., assignor.)

Standard Oil Company (Indiana). (See Sullivan, Frederick W., Jr., assignor.)

Standard Oil Development Company. (See Buc, Hyym R., assignor.)

Standard Oil Development Company. (See Donlan, Theodore R., assignor.)

Standard Oil Development Company. (See Frolich, Per K., assignor.)

Standard Oil Development Company. (See Mudge, Charles W., assignor.)

Standard Oil Development Company. (See Stratford, R. K., and Huggett, assignors.)

Standard Oil Development Company. (See Winning, Carl, assignor.)

Standard Oil Development Company. (See Winning, C., Sargent, and Dudley, assignors.)

Standard Steel Works. (See Gredell, Otto N., assignor.)

Standard Stoker Company, The. (See Anderson, Howard P., assignor.)

Stengl, Rudolph J. (See Davis, S. H., Anderson, and Stengl.)

Stephens, Susan, Louisville, Ky. Slipper. 2,031,796; Feb. 25.

Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for treating plastic material. 2,032,073; Feb. 25.

Stewart-Warner Corporation. (See Hansmann, Elwood, assignor.)

Stewart-Warner Corporation. (See Zerk, Oscar U., assignor.)

Stilling, William H., London, assignor to Isaac Braithwaite & Son Engineers Limited, Kendal, England. Automatic time release device. 2,032,189; Feb. 25.

Stoddard, Edgar S., Berwyn, assignor to The Conover Company, Chicago, Ill. Dishwashing machine. 2,032,156; Feb. 25.

Stoll, Hermann, assignor to Robert Bosch Aktiengesellschaft Stuttgart, Germany. Incandescent igniter. 2,031,985; Feb. 25.

Stollberg, Walter C., Quincy, Ill. Overflow device. 2,032,231; Feb. 25.

Stonebraker, Fred. Sr., San Diego, Calif. Display sign. 2,031,620; Feb. 25.

Stratford, Reginald K., and J. L. Huggett, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Lubricants and manufacturing the same. 2,031,986; Feb. 25.

Strauss, Theodore O., assignor to Casteel Research Laboratories, Inc., New York, N. Y. Moving picture film reel. 2,032,336; Feb. 25.

Streeter-Amet Company. (See Brendel, Max E., assignor.)

Strickland, Royal F., Cleveland Heights, Ohio, assignor to General Electric Company. Incandescent lamp and manufacturing the same. 2,032,232; Feb. 25.

Stubbs, Robert S., Hanna, Alberta, Canada. Direction indicator. 2,032,029; Feb. 25.

Stubaitz, Maurice, assignor to Fort Pitt Bedding Company, Pittsburgh, Pa. Combination air and spring cushion seat and the like. 2,031,745; Feb. 25.

Sturges, Thomas B. (See Ferguson, John A., assignor.)

Sugden, Walter J. (See Drysdale, William D., assignor.)

Sullivan, Frederick W., Jr., Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill. Conversion of hydrocarbons. 2,031,987; Feb. 25.

Sullivan, William D., West New York, N. J. Fume and dust eliminator. 2,032,101; Feb. 25.

Sulzer Frères Societe Anonyme. (See Moettell, Arnold, assignor.)

Surface Combustion Corporation. (See Branche, Nelson T., assignor.)

Surface Combustion Corporation. (See Branche, N. T., and Beam, assignors.)

Susu Nut Company, The. (See Swain, Lester M., assignor.)

Swan, Charles W., executor. (See Swan, John C.)

Swan, John C., deceased, Marietta, Ohio, C. W. Swan, executor. Apparatus for processing gas. 2,032,074; Feb. 25.

Symington Company, The. (See Barrows, Donald S., assignor.)

Taguchi, Juuso, Yotsuya-ku, Tokyo-shi, Japan. Attachment for artificial teeth. 2,032,102; Feb. 25.

Talen, Charles G. W., New Orleans, La. Building construction. 2,032,030; Feb. 25.

Tarbox, John P., assignor to Budd Wheel Company, Philadelphia, Pa. Fixture for assembling rubber articulated joints. 2,031,797; Feb. 25.

Tarkington, Harry K., assignor of one-half to S. M. Murlie, Los Angeles, Calif. Dynamic microphone. 2,031,678; Feb. 25.

Tantz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Band saw guide. 2,032,233; Feb. 25.

Taylor, Edward A., Shaker Heights, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Zinc chloride base flux. 2,031,913; Feb. 25.

Taylor, William L., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of artificial materials. 2,031,786; Feb. 25.

Taylor, William L., and A. H. Woodruff, Spondon, near Derby, England, assignors to Celanese Corporation of America. Apparatus for feeding and winding textile threads. 2,031,790; Feb. 25.

Teidemann, Clinton C., assignor of one-third to W. W. Austin, and one-third to F. A. Marrmann, South Bend, Ind. Door mat. 2,031,867; Feb. 25.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kühle, W. E., Prinz, and Herriger, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Muth, Herbert, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schapira, Carl, assignor.)

Teves, Martin C., and H. J. M. van Embden, assignors to N. V. Phillips' Gloeilampenfabrieken, Eindhoven, Netherlands. Photoelectric tube. 2,031,864; Feb. 25.

Thiele, Harry E. (See Frede, C. F., and Thiele.)

Thiele, William A., North Tonawanda, N. Y. Preserving jar. 2,031,800; Feb. 25.

Thomas, Adolph A., New York, N. Y., assignor to Radio Corporation of America. System and apparatus for recording and reproducing sound. 2,031,865; Feb. 25.

Thomas, Adolph A., assignor to Radio Corporation of America, New York, N. Y. Electric recording and reproducing apparatus. 2,032,190; Feb. 25.

Thomas, Charles C., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,032,235; Feb. 25.

Thomas, Charles C., and D. G. Ellis, assignors to Kelvinator Corporation, Detroit, Mich. Low temperature display case. 2,032,234; Feb. 25.

Thomas, Ralph B., assignor to Hygrade Sylvania Corporation, Salem, Mass. Lamp, tube, and similar device. 2,031,746; Feb. 25.

Thompson, Elmer J., assignor to Globar Corporation, Niagara Falls, N. Y. Manufacture of silicon carbide resistors. 2,032,077; Feb. 25.

Thums, Adolphus E., Newark, N. J. Article carrier. 2,031,866; Feb. 25.

Tillotson, Edwin W. (See McGregor, R. R., and Tillotson.)

Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)

Tips Tool Company. (See Bodendieck, Henry W., assignor.)

Tise, Thomas H., Winston-Salem, N. C. Air conditioning conduit. 2,032,103; Feb. 25.

Tjaarda, John, Birmingham, Ala., assignor to Briggs Manufacturing Company, Detroit, Mich. Plumbing fixture. 2,031,819; Feb. 25.

Tobelman, Gustave H., South Orange, N. J., assignor to Bridgeport Brass Company, Bridgeport, Conn. Carrier tube. 2,031,963; Feb. 25.

Torsen, Martin G., Louisville, Ky. Air conditioning apparatus. 2,032,127; Feb. 25.

Toscano, Joseph, Brooklyn, N. Y. Shoe lasting jack. 2,031,868; Feb. 25.

Trebler, Henning A. (See Johnson, A. H., and Trebler.)

Trent, Walter E. (See Whitmore, F. C., Homeyer, Jones, and Trent.)

Trico Products Corporation. (See Horton, E. C., and Huber, assignors.)

Trico Products Corporation. (See Huber, H., and Horton, assignors.)

Trojan Powder Company. (See Wyler, Joseph A., assignor.)

Tromp, Gerard P., Brooklyn, N. Y., and P. Neill, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit controller. 2,032,191; Feb. 25.

Trouth, John E., Gladewater, Tex. Mechanism for emptying containers. 2,031,869; Feb. 25.

Tryon Viscostor Corporation. (See Blanchard, Adna F., assignor.)

Tucker, Charles W., administrator. (See Tucker, G. E., Kennedy, and Renner.)

Tucker, George E., deceased, by C. W. Tucker, administrator, North Andover, H. L. Kennedy, Arlington, and M. S. Renner, Cambridge, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Concrete and hydraulic cement. 2,031,621; Feb. 25.

Turgard, Inc. (See Turner, William E. D., assignor.)

Turgot, Robert C. L. P., Saint Etienne de Cuines, Savoie, France, assignor, by mesne assignments, to Bendix Brake Company, South Bend, Ind. Brake. 2,031,747; Feb. 25.

Turk, Karl, assignor to The Porcelain Enamel & Manufacturing Company of Baltimore, Baltimore, Md. Producing decorative surfaces. 2,032,236; Feb. 25.

Turnbull, William J., West Vancouver, British Columbia, Canada. Game table. 2,031,989; Feb. 25.

Turner, William E. D., assignor to Turgard, Inc., Portland, Oreg., Brush. 2,031,990; Feb. 25.

Tuthill, Jay L., Dormont, Pa. Wall covering. 2,031,680; Feb. 25.

Twiss, Douglas F. (See Murphy, E. A., Twiss, and James.)

Tyrer, Daniel, Norton-on-Tees, assignor to Imperial Chemical Industries, Limited, London, England. Burning of pyrites. 2,031,801; Feb. 25.

Tyrer, Daniel, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Recovery of sulphur dioxide from gas mixtures. 2,031,802; Feb. 25.

Udell, Louis N. (See Barrett, A. M., and Udell.)

Umstott, Harold F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Waffle iron heater. 2,032,104; Feb. 25.

Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)

Ungnade, Otto, and W. F. Richards, Mason, Mich., assignors to E. M. A. Corporation, Cleveland, Ohio. Recovering pigments. 2,031,991; Feb. 25.

U. S. Bottlers Machinery Co. (See Risser, Arthur I., assignor.)

United Aircraft Corporation. (See Caldwell, Frank W., assignor.)

United American Bosch Corporation. (See Wild, J. E., and Schwarzmann, assignors.)

United-Carr Fastener Corporation. (See Chaffee, Raymond O., assignor.)

United Research Corporation. (See Haas, Paul, assignor.)

United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)

United Shoe Machinery Corporation. (See Ricks, F., Elliott, and Cloyce, assignors.)

United Shoe Machinery Corporation. (See Rhing, Harry A., assignor.)

United States Gypsum Company. (See Scholz, Herman A., assignor.)

United States Ordnance Company. (See Smith, George L., assignor.)

United States Rubber Company. (See Galligan, J. J., and Robinson, assignors.)

Urfer, Adolf, assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Rate of climb instruments. 2,031,803; Feb. 25.

Van Brunt Manufacturing Company, The. (See Erdman, Theodore J., assignor.)

Van Dresser Specialty Corporation. (See Van Dresser, William C. and W. B., assignors.)

Van Dresser, Wesley B. (See Van Dresser, William C. and W. B.)

Van Dresser, William C. and W. B., assignors to Van Dresser Specialty Corporation, Detroit, Mich. Fastener. 2,032,157; Feb. 25.

Van Embden, Hendrik J. M. (See Teves, M. C., and Van Embden.)

Van Poelvoorde, Pieter J., The Hague, Netherlands. Stable gyroplane aircraft. 2,031,992; Feb. 25.

Van Wert, Samuel N. (See Brown, C. C., Van Wert, and Arstundel.)

Varden, Patrick S., Albany, N. Y. Shingle. 2,031,993; Feb. 25.

Vertuno, Louis A., Oak Park, Ill. Pneumatic appliance. 2,031,870; Feb. 25.

Verwys, Andrew J., Oswego, N. Y. Adapter for valve caps. 2,031,618; Feb. 24.

Veysey, Vernon V., and H. R. Andersen, Neenah, Wis. Interchangeable electric light fixture hanger and gasket. 2,031,914; Feb. 25.

Victori, August T., Pawtucket, R. I., assignor to Artcraft Venetian Blind Company, Hazleton, Pa. Venetian blind. 2,031,804; Feb. 25.

Vietor, Frederick A., Great Neck, N. Y. Piano keyboard. 2,031,748; Feb. 25.

Vincent, Edward T., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 2,031,871; Feb. 25.

Vincent, Edwin H., Springfield, Mass. Power transmission apparatus. 2,031,749; Feb. 25.

Vincent, George P., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Manufacture of calcium chlorite. 2,031,681; Feb. 25.

Visking Corporation, The. (See Hewitt, Alfred G., assignor.)

Visomatic Systems, Inc. (See Jenkins, J. E., and Adair, assignors.)

Vogel-Jorgensen, Mikael, Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Conveying pulverulent material. 2,032,337; Feb. 25.

Von Bichowsky, Foord, Cleveland, Ohio, assignor to Krebs Pigment and Color Corporation, Wilmington, Del. Purifying titanium sub-oxide materials. 2,031,750; Feb. 25.

Von Platen, Baltzar C. (See Alm, Johan E., assignor.)

Wakefield, C. C., & Company Limited. (See Griffith, A. A., and Helmore, assignors.)

Walker, John S., Pittsburgh, Pa. Knee pad. 2,031,622; Feb. 25.

Walworth Patents Inc. (See Cotton, Charles H., assignor.)

Wappler, Frederick C., administrator. (See Wappler, Reinhold H. and F. C.)

Wappler, Reinhold H., deceased, Yonkers, N. Y., F. C. Wappler, administrator, and F. C. Wappler, New York, N. Y. Electrosurgical severance of adhesions. 2,031,682; Feb. 25.

Wardell, William J., Mount Vernon, assignor to American Can Company, New York, N. Y. Pouring spout container. 2,031,623; Feb. 25.

Watt, Anthony M. (See Watt, John V. and A. M.)

Watt, John V. and A. M., Waterford, N. J. Toy road scraper. 2,031,751; Feb. 25.

Watts, Noble H., Bridgeport, Conn., assignor to General Electric Company. Clothes washing machine. 2,032,226; Feb. 25.

Weaver, John F., Dallas, Tex. Apparatus for removing noncondensible gases from refrigerating systems. 2,032,158; Feb. 25.

Webb, Edwin W., assignor to Standard Car Truck Company, Chicago, Ill. Car truck. 2,031,805; Feb. 25.

Weber, Walter C., assignor to Corning Glass Works, Corning, N. Y. Shearing mechanism. 2,032,075; Feb. 25.

Wedlock, Albert W. H., Leyton, London, England. Manufacture of an improved vitreous material. 2,032,239; Feb. 25.

Weinbrenner, Jules, Thann, France. Lap forming apparatus. 2,032,076; Feb. 25.

Weisman, Harry, New York, N. Y. Clothing. 2,032,031; Feb. 25.

Weiss, Arthur J., St. Albans, assignor to Robert Gair Company, Inc., New York, N. Y. Knock-down polygonal webbed end-closing container. 2,031,806; Feb. 25.

Wej-Lock Manufacturing Company. (See Handel, Charles E., assignor.)

Welch, Edgar F., Columbus, Ohio. Display and dispensing device for ribbons and the like. 2,032,105; Feb. 25.

Werner, Oscar, Cleveland, Ohio. Power transmitting device for automotive vehicles. 2,031,807; Feb. 25.

Western Electric Company. (See Williams, R. R., and Kemp, assignors.)

Western Union Telegraph Company, The. (See Noxon, Paul A., assignor.)

Westhaver, John L., assignor of fifty per cent. to R. B. Hill, San Diego, Calif. Carbon reservoir and feeding mechanism therefor. 2,032,240; Feb. 25.

Westinghouse Air Brake Company, The. (See Baughman, George W., assignor.)

Westinghouse Air Brake Company, The. (See Craig, John F., assignor.)

Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)

Westinghouse Air Brake Company, The. (See Farmer, C. C., and Hewitt, assignors.)

Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)

Westinghouse Air Brake Company, The. (See Logan, John W., Jr., assignor.)

Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)

Westinghouse Air Brake Company, The. (See Nelson, Claude A., assignor.)

Westinghouse Air Brake Company, The. (See Neveu, Anselme, assignor.)

Westinghouse Air Brake Company, The. (See Simmons, Arthur W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Bayle, Russell M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Boleslav, John D., assignor.)

Westinghouse Electric & Manufacturing Company. (See Brecht, Winston A., assignor.)

Westinghouse Electric and Manufacturing Company. (See Conrad, F., Aalborg, and French, assignors.)

Westinghouse Electric & Manufacturing Company. (See Forsthoeffel, Gregg F., assignor.)

Westinghouse Electric & Manufacturing Company. (See Jackson, R. P., and Biebel, assignors.)

Westinghouse Electric & Manufacturing Company. (See Kovalsky, Joseph F., assignor.)

Westinghouse Electric & Manufacturing Company. (See Lee, Paul R., assignor.)

Westinghouse Electric & Manufacturing Company. (See Lowry, Erwin F., assignor.)

Westinghouse Electric & Manufacturing Company. (See Ludwig, Leon R., assignor.)

Westinghouse Electric & Manufacturing Company. (See Läbeke, Ernst, assignor.)

Westinghouse Electric & Manufacturing Company. (See McCulloch, Leon, assignor.)

Westinghouse Electric & Manufacturing Company. (See Mouromtseff, I. E., and Noble, assignors.)

Westinghouse Electric & Manufacturing Company. (See Pierce, Lawrence, assignor.)

Westinghouse Electric & Manufacturing Company. (See Rawlins, Herbert L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Rose, H. A., and Maslin, assignors.)

Westinghouse Electric & Manufacturing Company. (See Staege, Stephen A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Umstott, Harold F., assignor.)

Weston Electrical Instrument Corporation. (See Goodwin, William N., Jr., assignor.)

Weygandt, T. C., Company. (See Reiche, Karl A. M., assignor.)

Wheeler, Frank I., Jr., Glen Ridge, N. J. Toy. 2,032,192; Feb. 25.

Wheeling Steel Corporation. (See Rollason, Charles H., assignor.)

White, George S. J. (See Piggott, H. A., and White.)

White, Sidney Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron tube system. 2,032,198; Feb. 25.

Whitehead, George E., Rhiwbina, near Cardiff, South Wales. Contacts for electric circuit breakers, switches, connecters and the like. 2,032,241; Feb. 25.

Whitler, William P., Clayton, assignor to Rawlings Manufacturing Company, St. Louis, Mo. Baseball glove or mitt. 2,031,808; Feb. 25.

Whitmore, Frank C., State College, Pa., A. H. Homeyer, St. Louis, Mo., D. M. Jones, Forty Fort, and W. R. Trent, State College, Pa., assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Highly branched, long chain organic acids. 2,032,159; Feb. 25.

Whitney, Maurice P., Elmira, assignor to Eclipse Machine Company, Elmira, N. Y. Coaster brake for bicycles. 2,031,994; Feb. 25.

Whiton, Arthur L., Evanston, assignor to Chicago Mill and Lumber Company, Chicago, Ill. Collapsible box with end wall latches. 2,032,032; Feb. 25.

Whittier, Albert E., Bristol, Conn. Thermometer. 2,031,624; Feb. 25.

Whyte, Samuel, Redhill, England. Fuels for internal combustion engines. 2,032,242; Feb. 25.

Widmer, John M., Cedar Rapids, Iowa, assignor to Penick & Ford, Ltd., Inc., New York, N. Y. Sugar manufacturing process. 2,032,160; Feb. 25.

Wiebusch, Charles F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration translating device. 2,032,194; Feb. 25.

Wiener, Martin L., assignor to Cadaco, Ltd., San Leandro, Calif. Percussion toy. 2,032,161; Feb. 25.

Wightman, Andrew M., assignor to Rapid Roller Company, Chicago, Ill. Roller. 2,031,872; Feb. 25.

Wild, Julius E., Springfield, and W. E. Schwarzmann, Longmeadow, assignors to United American Bosch Corporation, Springfield, Mass. Regulating device for internal combustion engines. 2,031,625; Feb. 25.

Williams, Elmer R., Tulsa, Okla. Liquid dispenser. 2,031,873; Feb. 25.

Williams, Leo C. (See Daneke, D., and Williams.)

Williams, Robert R., Roselle, and A. R. Kemp, Westwood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Producing insulation for submarine cables. 2,031,916; Feb. 25.

Willson Products, Inc. (See Shindel, Harry F., assignor.)

Winning, Carl, Elizabeth, N. J., assignor to Standard Oil Development Company. Spray container. 2,031,918; Feb. 25.

Winning, Carl, L. E. Sargent, and J. F. Dudley, Elizabeth, N. J., assignors to Standard Oil Development Company. Inhibiting gum formation in naphthas and products obtained thereby. 2,031,917; Feb. 25.

Wired Radio, Inc. (See Gebhard, Louis A., assignor.)

Wolff, Otto, Neunkirchen, Germany. Sheet iron piling. 2,032,243; Feb. 25.

Wolff, Paul, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Acid triphenylmethane dyestuffs and preparing them. 2,032,033; Feb. 25.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Automatic splicing mechanism. 2,032,244; Feb. 25.

Wood, Horace O., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Block press. 2,032,034; Feb. 25.

Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)

Woodruff, Alfred H. (See Taylor, W. L., and Woodruff.)
Woodruff, George, Providence, R. I., assignor to Arteraft Venetian Blind Company, Hazleton, Pa., Venetian blind. 2,031,762; Feb. 25.
Wotring, Gaylord H., Scotia, N. Y., assignor to General Electric Company. Flow meter. 2,032,245; Feb. 25.
Wright, Frank P., Long Beach, Calif. Rubber heel. 2,031,783; Feb. 25.
Wyler, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Purification of trinitrotoluene. 2,032,038; Feb. 25.
Yost, Frank A., Hopkinsville, Ky. Pastry cooker. 2,031,995; Feb. 25.
Young, L. A., Company. (See Oldham, John M., assignor.)
Z-Flex Piston Ring Corporation, The. (See Zahodiakin, Victor F., assignor.)
Zahodiakin, Victor F., Cincinnati, Ohio, assignor to The Z-Flex Piston Ring Corporation, New York, N. Y., Internal combustion engine valve. 2,032,163; Feb. 25.
Zawistowski, Martin, Huntington, N. Y. Cloth cutting machine. 2,031,626; Feb. 25.
Zeiss, Firm Carl. (See Richter, Robert, assignor.)
Zelesnick, William A., Philadelphia, Pa. Dental construction. 2,031,906; Feb. 25.
Zerk, Oscar U., assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill. Centralized lubricating system. 2,032,036; Feb. 25.
Zimmerman, Arthur G., Westmont, N. J., assignor to Radio Corporation of America. Camera mounting. 2,031,909; Feb. 25.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF FEBRUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cap or similar article, Knitted. A. Epstein. 19,866; Feb. 25.
Electron discharge device with indirectly heated cathode. E. A. Lederer and J. W. Marden. 19,870; Feb. 25.
Envelope blanks and the like, Folding of. M. Geder. 19,867; Feb. 25.
Flue gas cleaning apparatus. H. Hielbron and J. B. Eberlein. 19,868; Feb. 25.
Food product and manufacturing the same. G. Grindrod. 19,863; Feb. 25.
Gang operated switch. J. J. Desmond. 19,864; Feb. 25.
Gasket, Skeleton metal-backed. J. H. Victor. 19,876; Feb. 25.
Hose coupling. J. P. Eastman. 19,865; Feb. 25.
Paper strips, Apparatus for handling multiple. W. C. Pfeiffer. 19,871; Feb. 25.
Shock chill in precipitating substances from liquids, Method and apparatus for avoiding. L. D. Jones. 19,869; Feb. 25.
Television device. F. W. Adsit. 19,862; Feb. 25.
Vehicle brake. E. S. Sanford. 19,872; Feb. 25.
Water heating system, Hot. H. A. Thrush. 19,873; Feb. 25.

LIST OF PLANT INVENTIONS

Rose. W. Spandikow, Jr. 167; Feb. 25.

LIST OF DESIGN INVENTIONS

Airplane. V. J. Burnelli. 98,660; Feb. 25.
Airplane. P. M. Lewis and F. Landgraf. 98,727; Feb. 25.
Battery box. W. Joy. 98,676; Feb. 25.
Bottle. H. C. Berkowitz. 98,711; Feb. 25.
Bottle. E. J. McCullough. 98,730; Feb. 25.
Bottle. F. J. Petty, 98,733; Feb. 25.
Bottle. G. Smith, Jr. 98,739; Feb. 25.
Bowl and stand, Combined fish. L. K. Franklin. 98,718; Feb. 25.
Box. L. Cole. 98,662; Feb. 25.
Brooch. L. Fago. 98,666; Feb. 25.
Buckle. J. B. Freysinger. 98,668; Feb. 25.
Buckle. S. Furtman. 98,691; Feb. 25.
Burner casing and support therefor, Combined oil. M. R. Knox. 98,725–6; Feb. 25.
Carpet. M. S. Miller. 98,746; Feb. 25.
Chair frame. H. J. Terker. 98,696–9; Feb. 25.
Closure cap or similar article. J. R. Fleisch. 98,717; Feb. 25.
Container, Plant. L. H. Elmer. 98,665; Feb. 25.
Container, Toilet powder. G. Taleb. 98,741; Feb. 25.
Crib, Baby's. E. S. Swasey. 98,697; Feb. 25.
Dental floss magazine. C. E. Orrison. 98,734; Feb. 25.
Dispensing device. E. B. Nichols. 98,732; Feb. 25.
Doll. F. L. McCulloch. 98,731; Feb. 25.
Drawer pull or similar article. K. Bettich. 98,683–4; Feb. 25.
Dress. A. Markowitz. 98,723; Feb. 25.
Dress. M. Porpora. 98,736; Feb. 25.
Dress, Ensemble. A. Greenspan. 98,719; Feb. 25.
Elastic fabric. O. E. Huber. 98,727–8; Feb. 25.
Elastic fabric. C. D. Maurer. 98,729; Feb. 25.
Elastic fabric. A. K. Strupp. 98,740; Feb. 25.
Food mixer. A. F. Fukal. 98,669; Feb. 25.
Food mixing device, Portable electric. R. E. Patton. 98,689; Feb. 25.
Goblet or similar article, Footed. H. Bell. 98,659; Feb. 25.
Handkerchief or similar article, Paper. C. A. Fourness. 98,745; Feb. 25.
Hanger, Garment. G. J. Bachmeyer. 98,710; Feb. 25.
Holder or similar article, Fruit. W. Rogers. 98,690; Feb. 25.
Humidifier. W. Feldermann. 98,716; Feb. 25.
Humidifier, Electrical. P. E. Edelman. 98,664; Feb. 25.
Identification emblem. L. F. Cargill. 98,714; Feb. 25.
Lace. H. W. Hucknall. 98,672; Feb. 25.
Lace. J. D. Wiener. 98,701–5; Feb. 25.
Level, Dumpy. A. Langsner. 98,681; Feb. 25.
Level support. A. Langsner. 98,683; Feb. 25.
Level, Y. A. Langsner. 98,682; Feb. 25.
Light for an automobile, Display. D. Duff, J. C. Elliott, and J. J. Flickinger. 98,663; Feb. 25.
Link for cravat holders or analogous articles, Character bearing. H. G. Anderson. 98,707–9; Feb. 25.
Loudspeaker faceplate. B. A. Engholm. 98,715; Feb. 25.
Mirror and support therefor, Combined truck. O. C. Ritz-Woller. 98,695; Feb. 25.
Phonograph, Coin controlled. B. B. Richardson and R. W. Willey. 98,737; Feb. 25.
Pipe, Soap bubble. G. A. Mausolf. 98,687; Feb. 25.
Razor handle. A. F. Reilly. 98,692; Feb. 25.
Saddle. R. W. Faulhaber 98,667; Feb. 25.
Setting for precious stones. M. Waldman. 98,742–3; Feb. 25.
Shoe. T. R. Atkins. 98,657; Feb. 25.
Shoe. H. D. Baldwin. 98,744; Feb. 25.
Shoe. A. Gordon. 98,670; Feb. 25.
Shoe. H. J. Meyer. 98,688; Feb. 25.
Shoe. C. V. Watson. 98,700; Feb. 25.
Shoe or article of analogous nature. R. A. Hyde. 98,673–4; Feb. 25.
Shoe or article of analogous nature. H. Klein. 98,676; Feb. 25.
Shoe or article of analogous nature. S. L. Kleven. 98,677; Feb. 25.
Statuette. D. Briner. 98,713; Feb. 25.
Suspenser. H. Schiller. 98,738; Feb. 25.
Telephone base and pad holder, Combined. L. A. Meltzer. 98,732; Feb. 25.
Telescope. A. Langsner. 98,685–6; Feb. 25.
Textile fabric. A. Hafner. 98,671; Feb. 25.
Textile fabric, Embroidered. G. Bischof. 98,712; Feb. 25.
Textile fabric or similar article, Printed. M. R. Hamre. 98,720–2; Feb. 25.
Transit. A. Langsner. 98,678; Feb. 25.
Transit plate. A. Langsner. 98,680; Feb. 25.
Transit support. A. Langsner. 98,679; Feb. 26.
Tray and powder pad display, Combined supporting. S. L. Pomerantz. 98,690; Feb. 25.
Tray, Ash. L. S. Winkler. 98,706; Feb. 25.
Valve, Ball float. C. Crary. 98,661; Feb. 25.
Vial housing suit. A. Langsner. 98,684; Feb. 25.
Wreath. A. J. Barocas. 98,658; Feb. 25.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF FEBRUARY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive supporting member and producing same. K. H. Bowen. 2,032,249; Feb. 25.
Accessory system for motor vehicles. H. Hueber and E. C. Horton. 2,032,321; Feb. 25.
Acid: *See*—
Long chain organic acid.
Acid contact process, Sulphuric. J. H. Perry and E. S. Ridler. 2,031,787; Feb. 25.
Acid derivatives of sulphurized cinchona bark alkaloids, Carboxylic. R. R. Lawrence. 2,031,895; Feb. 25.
Acid esters and their production, Propionic. H. S. Holt. 2,031,603; Feb. 25.
Acoustic apparatus. C. Schapira. 2,031,859; Feb. 25.
Acoustic electric energy converter. G. W. Pierce. 2,031,789; Feb. 25.
Acoustical wall surfacing. E. J. Miller. 2,031,900; Feb. 25.
Adapter for valve bags. A. J. Verwys. 2,031,915; Feb. 25.
Adhesions, Electrosurgical severance of. R. H. and F. C. Wappler. 2,031,682; Feb. 25.
Aeropuane wing, Folding. L. F. Prevette. 2,032,307; Feb. 25.
Air brake. C. A. Campbell. 2,032,002; Feb. 25.
Air conditioning apparatus. M. G. Torsen. 2,032,237; Feb. 25.
Airplane. V. J. Burnelli. 2,031,876; Feb. 25.
Alarm system, Burglar. R. V. L. Hartley. 2,031,951; Feb. 25.
Alarm, Waterflow retard. C. C. Johnson, R. M. Hopkins, and R. F. Spamer. 2,032,092; Feb. 25.
Alloys. R. E. Paine. 2,031,978; Feb. 25.
Alloys, Refining of. T. R. Hagiund. 2,031,947; Feb. 25.
Amplifying system. A. F. Bennett and M. K. Gordon, Jr. 2,031,919; Feb. 25.
Amplifying system, V. Bush. 2,032,258; Feb. 25.
Anastigmatic objective for photography and projection. R. Richter. 2,031,792; Feb. 25.
Anchor, Expansible. C. E. Handel. 2,032,089; Feb. 25.
Anchorage, Orthodontic. R. E. Irish. 2,032,282; Feb. 25.
Andiron. F. J. Plym. 2,031,782; Feb. 25.
Aqueous mixtures of lower aliphatic acids and anhydrides, Azeotropic dehydration of. H. Dreyfus. 2,031,647; Feb. 25.
Arch building construction. L. Davidson. 2,031,937; Feb. 25.
Arsenic derivatives of sugars. P. J. Daughenbauch. 2,032,263; Feb. 25.
Article carrier. A. E. Thums. 2,031,866; Feb. 25.
Artificial materials. Manufacture of. W. I. Taylor. 2,031,798; Feb. 25.
Automobile spring, Pneumatic. H. D. Smith. 2,031,862; Feb. 25.
Axle driving construction. W. S. Austin. 2,031,534; Feb. 25.
Axle generator drive. W. A. Brecht. 2,032,112; Feb. 25.
Axle, Roller bearing. T. V. Buckwalter. 2,031,818; Feb. 25.
Azodyestuffs, Blue dyeing. G. Bonhôte and C. Apotheker. 2,032,111; Feb. 25.
Bag frame fastener. W. C. Hiering. 2,032,055; Feb. 25.
Bag frame latch. W. C. Hiering. 2,032,056; Feb. 25.
Bags, Apparatus for filling. B. A. Hannewald and E. Ingstad. 2,031,708; Feb. 25.
Bale tie. E. F. W. Keihl, Jr. 2,032,285; Feb. 25.
Ball scrubber, Golf. G. A. Brillhart. 2,031,633; Feb. 25.
Ball swivel union, Angular. A. J. Coutu. 2,031,878; Feb. 25.
Balls and the like, Manufacture of golf. E. A. Murphy, D. F. Twiss, and R. G. James. 2,032,220; Feb. 25.
Balls, Apparatus for making golf. J. M. Oldham. 2,031,786; Feb. 25.
Barrel head fastener. G. H. Osgood. 2,031,729; Feb. 25.
Bearing and carrier. S. D. Robins. 2,031,618; Feb. 25.
Bearing pulling tool. L. V. Bliss. 2,031,996; Feb. 25.
Bearings, Making. G. S. Salsman. 2,031,982; Feb. 25.
Bed or the like, Dog. J. G. Bins. 2,032,248; Feb. 25.
Belt fastener. B. F. Crick. 2,032,006; Feb. 25.
Bicycle, Motor. O. Evinrude. 2,031,881; Feb. 25.
Bimetallic strip, Apparatus for producing. G. S. Salsman. 2,031,795; Feb. 25.
Bird feed receptacle. L. Butler and J. D. Butler. 2,031,874; Feb. 25.
Bit: *See*—
Drill bit.
Blasting cap charge. C. P. Spaeth. 2,031,677; Feb. 25.
Blind, Venetian. A. T. Victori. 2,031,804; Feb. 25.
Blind, Venetian. G. Woodruff. 2,031,752; Feb. 25.
Block: *See*—
Floor block. Meter test block.
Block press. H. O. Wood. 2,032,034; Feb. 25.

Book end. J. Fansol. 2,031,668; Feb. 25.
Booster. M. A. Garrison. 2,031,828; Feb. 25.
Bottle centering means. G. L. N. Meyer. 2,031,963; Feb. 25.
Bottle filling and capping machine. W. A. Barrett. 2,032,040; Feb. 25.
Box: *See*—
Outlet box.
Box with end wall latches, Collapsible. A. L. Whiton. 2,032,032; Feb. 25.
Bracket. P. Lisicke. 2,032,023; Feb. 25.
Braid, Elastic. R. T. Dawes. 2,032,265; Feb. 25.
Brake: *See*—
Air brake. Self-adjusting brake.
Electro-pneumatic brake. Vehicle brake.
Fluid pressure brake.
Brake. A. Y. Dodge. 2,031,762; Feb. 25.
Brake. B. E. House. 2,032,058; Feb. 25.
Brake. H. F. Kohr. 2,031,717; Feb. 25.
Brake. H. F. Parker and B. E. House. 2,031,730; Feb. 25.
Brake. R. C. L. P. Turgot. 2,031,747; Feb. 25.
Brake beam safety support. R. H. Campbell and F. E. Pietzsch. 2,031,691; Feb. 25.
Brake control, Fluid pressure. J. W. Logan, Jr. 2,032,177; Feb. 25.
Brake for bicycles, Coaster. M. P. Whitney. 2,031,994; Feb. 25.
Brake lock. G. W. Godsey. 2,031,829; Feb. 25.
Braking device for feeding means of pilgering mills. J. Gassen. 2,032,277; Feb. 25.
Braun tube. S. Loewe and P. P. Fries. 2,031,722; Feb. 25.
Bread slicing machine. H. J. Criner. 2,032,118; Feb. 25.
Brush. W. E. D. Turner. 2,031,990; Feb. 25.
Brush assembly. I. H. Dunham. 2,032,084; Feb. 25.
Brushmaking machine. J. E. Jones. 2,031,658; Feb. 25.
Bucket, Live bait. F. J. Fence. 2,032,274; Feb. 25.
Building construction. A. F. Bemis. 2,031,631; Feb. 25.
Building construction. C. G. W. Talen. 2,032,030; Feb. 25.
Building material. W. G. Dudleston. 2,032,083; Feb. 25.
Building material. N. P. Harshberger. 2,031,950; Feb. 25.
Buildings, Apparatus for ventilating. H. M. Chance. 2,032,080; Feb. 25.
Bumper, Vehicle. H. S. Jandus. 2,031,954; Feb. 25.
Burner: *See*—
Liquid fuel burner. Range burner.
Cabinet construction. G. F. Forsthoefel. 2,031,701; Feb. 25.
Calcium chlorite, Manufacture of. G. P. Vincent. 2,031,681; Feb. 25.
Camera, Photographic. H. Küppenbender. 2,032,060-1; Feb. 25.
Camera, Sound and picture. E. W. Kellogg and S. Read, Jr. 2,031,836; Feb. 25.
Can: *See*—
Oil can.
Capacitor motor. R. P. Jackson and H. M. Biebel. 2,032,129; Feb. 25.
Caps on bottles, Apparatus for attaching seal. S. O. Piehl and H. Friberg. 2,032,225; Feb. 25.
Car, Railway hopper. C. F. Frede and H. E. Thiele. 2,032,204; Feb. 25.
Car structure, Railway. W. M. Sheehan. 2,032,186; Feb. 25.
Car truck. G. T. Johnson. 2,031,777; Feb. 25.
Car truck. E. W. Webb. 2,031,805; Feb. 25.
Car underframe structure. W. O. Ashe. 2,032,165; Feb. 25.
Carbon reservoir and feeding mechanism therefor. J. L. Westhaver. 2,032,240; Feb. 25.
Carburetor. S. F. Hunt. 2,031,709; Feb. 25.
Carotene, Extracting. H. M. Barnett, W. O. Frohring and A. F. O. Germann. 2,032,165; Feb. 25.
Carotene from soaps, Recovering. R. J. Cross. 2,032,006; Feb. 25.
Carrier: *See*—
Article carrier.
Carrier tube. G. H. Tobelman. 2,031,983; Feb. 25.
Carton. T. A. Kundtz. 2,031,963; Feb. 25.
Case: *See*—
Display case.
Cash register. B. M. Shipley. 2,031,860; Feb. 25.
Cathode for heavy duty service, oxide coated. E. F. Lowry. 2,032,179; Feb. 25.
Cathodes, Method of manufacturing highly emissive. S. Loewe. 2,031,721; Feb. 25.

Cellulose esters, Making. C. J. Malm and C. L. Fletcher. 2,031,611; Feb. 25.
Cement. L. McCulloch. 2,032,143; Feb. 25.
Cement, Concrete and hydraulic. G. E. Tucker, H. L. Kennedy, and M. Remer. 2,031,811; Feb. 25.
Chair: *See*—
Reclining chair.
Chair and lamp, Combination. A. A. Granovsky. 2,031,648; Feb. 25.
Chase. G. H. Higgins. 2,031,602; Feb. 25.
Chemicals from waste pulping liquors, Recovery of. H. R. Murdock. 2,031,974; Feb. 25.
Chlorine compound, Dry soluble. A. E. Johnson and H. A. Trebler. 2,032,173; Feb. 25.
Cigarette vending machine. W. H. Brown. 2,032,001; Feb. 25.
Cinematographic rectifying system. J. L. Baird. 2,032,164; Feb. 25.
Circuit breaker. H. E. Cebb. 2,032,115; Feb. 25.
Circuit breaker. R. M. Smith. 2,032,072; Feb. 25.
Circuit breaker. E. C. P. Sorensen. 2,032,187; Feb. 25.
Circuit, Control. J. M. Duguid and J. H. Sole. 2,031,942.
Circuit control for electric brakes. G. W. Seagraves. 2,032,106; Feb. 25.
Circuit controller. G. P. Tromp and P. Neill. 2,032,191; Feb. 25.
Circuit, Electric oscillation. H. Muth. 2,031,646; Feb. 25.
Circuit, Electromechanical oscillator. L. A. Gebhard. 2,031,767-8; Feb. 25.
Circuit, Gain control. H. I. Romnes. 2,031,980; Feb. 25.
Circuit interrupter. H. L. Rawlins. 2,032,149; Feb. 25.
Circuit, Photoelectric cell. W. N. Goodwin, Jr. 2,032,010; Feb. 25.
Circuits for space discharge devices, Energizing. R. A. Braden. 2,032,199; Feb. 25.
Clamp: *See*—
Switch box lath clamp.
Clasp, Lingerie. W. J. Bomber. 2,031,885; Feb. 25.
Cleaner: *See*—
Suction cleaner. Windshield cleaner.
Vacuum cleaner.
Climbing assembly. E. G. McKinney. 2,031,615; Feb. 25.
Closure member for fill openings. O. N. Gredell. 2,031,885; Feb. 25.
Cloth cutting machine. M. Zawistowski. 2,031,626; Feb. 25.
Clothes hanger. J. L. Baum. 2,032,246; Feb. 25.
Clothes washing machine. N. H. Watts. 2,032,238; Feb. 25.
Clothing. H. Weisman. 2,032,031; Feb. 25.
Clutch. H. W. Nieman and G. B. Linderman, Jr. 2,032,066; Feb. 25.
Clutch control mechanism. V. W. Kliesrath. 2,031,716; Feb. 25.
Coffee maker. H. Frank. 2,032,317; Feb. 25.
Coin collector apparatus. J. M. Melick. 2,032,218; Feb. 25.
Coke, Apparatus for the dry cooling of. A. Moetteli. 2,031,643; Feb. 25.
Collapsible container. E. A. Heifetz. 2,031,887; Feb. 25.
Collecting member for trolley systems. O. Conradty. 2,031,819; Feb. 25.
Color screen device. A. J. Macy. 2,032,139; Feb. 25.
Comb, Fountain. L. and W. Helfrich and O. H. Corvington. 2,031,774; Feb. 25.
Compressor. W. D. Drysdale. 2,031,940; Feb. 25.
Compressor governor construction. C. C. Farmer. 2,032,122; Feb. 25.
Condensation products from alcohols and phenols, Manufacture of. H. Langwell and C. E. Maddocks. 2,031,719; Feb. 25.
Condensation products, Manufacture of. J. Blumfeld and J. Kuchenbuch. 2,031,586; Feb. 25.
Condenser. E. F. Sickles. 2,031,910; Feb. 25.
Condenser tester. M. P. McCarty. 2,031,840; Feb. 25.
Conduit, Air conditioning. T. H. Tice. 2,032,103; Feb. 25.
Connecter: *See*—
Rod or tool connecter.
Contacts for electric circuit breakers, switches, connecters and the like. G. B. Whitehead. 2,032,241; Feb. 25.
Container: *See*—
Collapsible container. Pouring spout container.
Dispensing container. Sanitary shipping container.
End-closing container. Spray container.
Merchandise container.
Multicompartment container.
Container. A. M. Meier and R. I. Drake. 2,032,296; Feb. 25.
Container closure. C. H. Rasmussen. 2,031,979; Feb. 25.
Container closure applying apparatus. A. I. Risser. 2,031,735; Feb. 25.
Container for lip sticks and the like. A. Limbach. 2,031,839; Feb. 25.
Container for thread bottles. P. Pinnhutt. 2,031,851; Feb. 25.
Container for wrenches, Display. T. G. Rush. 2,032,231; Feb. 25.

Control fixture, Combined diverting and hot-cold. E. S. Cornell, Jr. 2,031,932; Feb. 25.
Control head for indicators. B. B. Holmes. 2,032,019; Feb. 25.
Control mechanism. M. E. Brendel. 2,032,113; Feb. 25.
Control mechanism for burners. N. T. Branche. 2,032,046; Feb. 25.
Control of catalytic reactions. J. W. Harrison and T. B. Prickett. 2,031,690; Feb. 25.
Control system. J. F. Kovalsky. 2,032,176; Feb. 25.
Cooker, Pastry. F. A. Yost. 2,031,905; Feb. 25.
Cooking apparatus. F. E. Jones. 2,032,178; Feb. 25.
Cooler for refrigerators. B. Herwitz. 2,031,655; Feb. 25.
Corset. J. J. Kispert. 2,032,210; Feb. 25.
Cotton or other cellulosic fibers, Production of immunized. J. E. Jones. 2,031,657; Feb. 25.
Coupler. W. F. Richards. 2,031,617; Feb. 25.
Coupling: *See*— Pressed-on hose coupling.
Extensible coupling. Train pipe coupling.
Hose coupling.
Coupling. J. Mikulasek. 2,032,297; Feb. 25.
Coupling on to a hose, Pressing a. J. P. Eastman. 2,031,824; Feb. 25.
Cover: *See*— Medicine glass cover.
Ironing board cover.
Covered receptacle. E. P. Myers. 2,032,221; Feb. 25.
Crate. A. Rosales. 2,031,787; Feb. 25.
Crib, Knockdown. L. E. May. 2,032,141; Feb. 25.
Cultivator. T. J. Erdman. 2,032,085; Feb. 25.
Currency holder. R. L. Halperin. 2,031,778; Feb. 25.
Currents into direct current or vice versa, Conversion of alternating. J. E. Alm. 2,031,582; Feb. 25.
Curtain, Locomotive cab. J. E. Hooper. 2,032,068; Feb. 25.
Cushion, Carpet. A. L. Clements and W. H. Calumer. 2,032,114; Feb. 25.
Cushion, seat and the like, Combination air and spring. M. Strumits. 2,031,745; Feb. 25.
Cushioning mechanism. D. S. Barrows. 2,032,341; Feb. 25.
Cutter and edger, Sheet metal. J. J. Ingels. 2,031,604; Feb. 25.
Cutting and folding mechanism for printing machines, Rotary. F. Lamatsch. 2,031,780; Feb. 25.
Cutting machine. J. F. Smith. 2,031,744; Feb. 25.
Damper device, Thermostatically controlled. A. S. Hopping. 2,031,652; Feb. 25.
Data indicator. B. L. Padgett. 2,032,304; Feb. 25.
Decorative device, Illuminated. E. J. Graf. 2,031,641-2; Feb. 25.
Decorative surfaces, Producing. K. Turk. 2,032,236; Feb. 25.
Dental construction. W. A. Zelesnick. 2,031,666; Feb. 25.
Device for removing drills or other articles from their shafts. R. A. Bedford. 2,031,814; Feb. 25.
Device for simultaneously twisting and winding knitted threads. F. Hanf. 2,031,707; Feb. 25.
Diaper. D. B. Kennard. 2,032,131; Feb. 25.
Diazoimino compounds, Water soluble. M. A. Dahlen. 2,031,634; Feb. 25.
Diazo salts and making same, Stable solid. G. Bonhôte. 2,032,110; Feb. 25.
Die arrangement for use in stranding machines, Roller closing. R. E. Pritchard and I. J. McAlpine. 2,032,308; Feb. 25.
Differential control apparatus. B. Beck. 2,032,041; Feb. 25.
Direction indicator. R. S. Stubbs. 2,032,029; Feb. 25.
Discrete particles and vapors, Method of and apparatus for treating. F. E. Kemmer. 2,032,215; Feb. 25.
Dishwashing machine. E. L. Blakeslee. 2,031,816; Feb. 25.
Dishwashing machine. E. S. Stoddard. 2,032,156; Feb. 25.
Dispenser: *See*—
Liquid dispenser. Water dispenser.
Dispensing container. E. A. Heifetz. 2,031,886; Feb. 25.
Dispensing device. H. B. Crawford. 2,031,820; Feb. 25.
Dispensing device for collapsible tubes. F. Poulin. 2,032,305; Feb. 25.
Display and dispensing device for ribbons and the like. E. F. Welch. 2,032,105; Feb. 25.
Display case, Low temperature. C. C. Thomas and D. G. Ellis. 2,032,234; Feb. 25.
Display device for merchandise. C. W. Kress. 2,031,718; Feb. 25.
Display sign. F. Stenebraker, Sr. 2,031,620; Feb. 25.
Dimiphides from mercaptothiazoles, Production of. G. Kallner. 2,031,714; Feb. 25.
Door fastener, Screen. A. R. Mellor. 2,031,725; Feb. 25.
Doorlatch mechanism. D. Miller. 2,031,664; Feb. 25.
Door, Overhead sliding. P. Naylor. 2,031,847; Feb. 25.
Draft rigging. D. S. Barrows. 2,032,340; Feb. 25.
Drawer construction, Slide. N. A. Gussack. 2,032,064; Feb. 25.
Drier: *See*—
Hosiery drier.
Drill bit. M. R. Reedy. 2,032,328; Feb. 25.
Drilling machine, Rotary. T. C. Patten. 2,031,731; Feb. 25.
Drinking fountain. F. G. Martin. 2,031,723; Feb. 25.
Driving mechanism. F. Linder. 2,031,753; Feb. 25.

Dyes and their preparation, Azo. R. F. Hitch, M. A. Dahlen, and M. E. Friedrich. 2,031,651; Feb. 25.
Dyes and their preparation, Monoazo. H. Jordan and M. A. Dahlen. 2,032,093; Feb. 25.
Dyestuff and its production, Diazo. A. Kreb ser. 2,032,133; Feb. 25.
Dyestuffs and preparing them, Acid triphenylmethane. P. Wolf. 2,032,063; Feb. 25.
Dynamic characteristics, Measuring. E. L. Bowles. 2,031,923-5; Feb. 25.
Elastic material, Crinkled. J. J. Galligan and W. J. Robinson. 2,031,703; Feb. 25.
Electric controller of the variable voltage type. H. F. Porter. 2,031,783; Feb. 25.
Electric heating pad. C. R. McDonald. 2,032,294; Feb. 25.
Electric meter. E. L. Bowles. 2,031,926; Feb. 25.
Electric recording and reproducing apparatus. A. A. Thomas. 2,032,190; Feb. 25.
Electrical apparatus. C. I. McNeil. 2,031,784; Feb. 25.
Electrical conductor. E. F. Northrup. 2,031,975; Feb. 25.
Electrical conversion system. L. R. Ludwig. 2,032,138; Feb. 25.
Electrical device. O. M. Glunt. 2,031,945; Feb. 25.
Electrical impulses, Recording and reproduction of. E. W. Kellogg. 2,031,835; Feb. 25.
Electrical selecting or connecting device. J. F. T. Engblom. 2,032,270; Feb. 25.
Electrode, Flux-coated. P. R. Judy. 2,032,322; Feb. 25.
Electrolytic device. P. Robinson. 2,031,798; Feb. 25.
Electromagnetic contactor. L. Pierce. 2,032,147; Feb. 25.
Electron tube system. S. Y. White. 2,032,183; Feb. 25.
Electrooptical system. F. Gray. 2,031,508; Feb. 25.
Electrooptical system. J. W. Horton. 2,031,962; Feb. 25.
Electrooptical system. H. Nyquist. 2,031,729; Feb. 25.
Electropneumatic brake. J. F. Craig. 2,032,167; Feb. 25.
End-closing container, Knock-down polygonal webbed. A. J. Weiss. 2,031,906; Feb. 25.
Engine: *See*—
Internal combustion engine. Two-stroke engine.
Engine. E. T. Vincent. 2,031,871; Feb. 25.
Engine starting apparatus. R. P. Lansing. 2,031,781; Feb. 25.
Engine starting mechanism. R. P. Lansing. 2,031,782; Feb. 25.
Engine valve, Internal combustion. V. F. Babodiakin. 2,032,162; Feb. 25.
Engraved patterns for silverware and the like, Producing. H. M. Ballou. 2,032,039; Feb. 25.
Envelope, Paper. E. E. Perkins. 2,032,067; Feb. 25.
Esters, Dehydrating. G. T. Reich. 2,031,640; Feb. 25.
Esters of sulphonated carboxylic acids. H. Bertsch. 2,032,314; Feb. 25.
Esters, Production of. H. Bertsch. 2,032,313; Feb. 25.
Evaporating method and means therefor. E. Öman. 2,032,182; Feb. 25.
Evaporation. H. E. A. Gäth. 2,032,067; Feb. 25.
Exercising machine. R. Orsitano. 2,032,303; Feb. 25.
Extensible coupling. J. M. Bacigalupi. 2,031,784; Feb. 25.
Extensible table. W. B. Harrington. 2,031,649; Feb. 25.
Extrusion apparatus. A. G. Hewitt. 2,032,171; Feb. 25.
Eye protector. H. F. Shindel. 2,031,676; Feb. 25.
Fan. C. R. Paton. 2,032,224; Feb. 25.
Fan and motor construction. W. B. Bowen. 2,031,668; Feb. 25.
Fastener: *See*—
Bag frame fastener. Door fastener.
Barrel head fastener. Sash fastener.
Belt fastener.
Fastener. A. W. Grosshans and H. H. Evans. 2,032,280; Feb. 25.
Fastener. R. S. Kelley. 2,031,960; Feb. 25.
Fastener and producing same. H. Rosenberg. 2,032,099; Feb. 25.
Fastener installation and fastener for the same, Rotary operative. R. O. Chaffee. 2,032,315; Feb. 25.
Fastening means. B. Lee and F. P. Bovia. 2,032,022; Feb. 25.
Felly, rim, and tire structure, Combined. F. N. Chiasson. 2,032,241; Feb. 25.
Fenderwell support for tires. B. M. Short. 2,031,984; Feb. 25.
Fibrous material, Converting a. R. and H. Freudenberg, R. Runkel, and G. Lange. 2,032,123; Feb. 25.
Fibrous materials, Apparatus for fluid treating. E. J. Abbott. 2,031,588; Feb. 25.
Filling machine. E. B. Bagby. 2,032,163; Feb. 25.
Film driving apparatus. A. J. Bradford. 2,031,817; Feb. 25.
Film feeding mechanism for films having sound track. E. Boecking. 2,031,756; Feb. 25.
Film magazine, Photographic. A. S. Howell. 2,032,213; Feb. 25.
Film magazine, spool, and film therefor, Photographic. A. S. Howell. 2,032,214; Feb. 25.
Film reel. H. A. De Vry. 2,031,633; Feb. 25.
Film reel, Moving picture. T. O. Strauss. 2,032,236; Feb. 25.
Filter: *See*—
Gas filter.
Filter. R. N. Burckhalter and J. M. Osborn. 2,031,539; Feb. 25.
Filter. C. R. Cuno. 2,031,935; Feb. 25.
Filter device. L. R. Mallory and J. T. Nash. 2,032,140; Feb. 25.
Filters, Forming. C. H. Cuno. 2,031,936; Feb. 25.
Fingernail polish remover. C. E. Bishop. 2,032,042; Feb. 25.
Firearm. G. H. North and R. J. Baker. 2,031,785; Feb. 25.
Fire extinguishing apparatus. D. Mapes. 2,031,965; Feb. 25.
Fishing device, Surf. E. A. Azuara. 2,031,511; Feb. 25.
6-halogen-2-aminotoluenes, Production of. E. L. Perkins. 2,031,666; Feb. 25.
Fixture for assembling rubber articulated joints. J. P. Tarbox. 2,031,797; Feb. 25.
Floor block. C. C. Fulbright. 2,031,896; Feb. 25.
Floor sanding machine. H. L. Myers. 2,031,665; Feb. 25.
Flotation apparatus. A. C. Daman. 2,031,590; Feb. 25.
Flow meter. G. H. Wetring. 2,032,245; Feb. 25.
Fluid from deep oil and water wells, Raising. C. C. Brown, R. M. Van Wert, and A. Arutunoff. 2,032,000; Feb. 25.
Fluid pressure brake. C. C. Farmer and E. M. Hewitt. 2,032,119; Feb. 25.
Fluid pressure brake. C. C. Farmer. 2,032,120; Feb. 25.
Fluid pressure brake. E. E. Hewitt. 2,032,172; Feb. 25.
Fluid pressure brake. C. A. Nelson. 2,032,144-5; Feb. 25.
Fluid pressure brake. A. W. Sturmcon. 2,032,154; Feb. 25.
Fluids, Halogenation of organic. R. M. Deanesly and G. Hearne. 2,031,938; Feb. 25.
Folding and gluing mechanism. D. Daneke and L. C. Williams. 2,031,670; Feb. 25.
Food product and its manufacture. W. A. McKinney and H. G. Lorensen. 2,031,724; Feb. 25.
Footrest. W. C. and W. B. Van Dresser. 2,032,157; Feb. 25.
Form for making concrete roads. B. Mason. 2,031,812; Feb. 25.
Fountain: *See* —
Drinking fountain.
Fractional distillation, Apparatus for. F. L. Maher. 2,031,410; Feb. 25.
Frame: *See*—
Handbag frame.
Frame and rail for tile, Metal. C. Roeder. 2,032,276; Feb. 25.
Framework, Metallic structural. J. A. Ferguson. 2,031,765; Feb. 25.
Freewheeling attachment for automobiles. J. M. Simpson. 2,032,235; Feb. 25.
Fruit conveyer. T. Catea. 2,032,258; Feb. 25.
Fuel, Apparatus for burning. A. J. Boynton. 2,031,757; Feb. 25.
Fuel, Process and apparatus for burning. H. S. Lee. 2,032,135; Feb. 25.
Fuels for internal combustion engines. S. Whyte. 2,032,241; Feb. 25.
Fume and dust eliminator. W. D. Sullivan. 2,032,101; Feb. 25.
Game. K. C. Shivers. 2,031,740; Feb. 25.
Game table. W. J. Turnbull. 2,031,969; Feb. 25.
Games, Appliance for use in practicing or playing. H. C. Deane and J. H. Naden. 2,032,061; Feb. 25.
Garment, Lady's. H. S. Kohler and F. R. McKinnon. 2,032,323; Feb. 25.
Gas, Apparatus for processing. J. C. Swan. 2,032,074; Feb. 25.
Gas filter. B. Cori. 2,032,263; Feb. 25.
Gas or vapor discharge valve, Uniformly controllable. E. Liberis. 2,032,117; Feb. 25.
Gases from gaseous mixtures, Recovering acidic. R. R. Bottoms. 2,031,682; Feb. 25.
Gases from refrigerating systems, Apparatus for removing noncondensible. J. F. Weaver. 2,032,155; Feb. 25.
Gasoline manufacturing process. J. E. Roberts and M. T. Carpenter. 2,032,329; Feb. 25.
Gate: *See*—
Sound gate.
Gauge: *See*—
Tank gauge.
Gear transmission, Friction. D. H. Heynau. 2,032,015; Feb. 25.
Gearing, Transmission. A. W. Herrington. 2,032,318; Feb. 25.
Generator: *See*—
Motor-generator.
Geometric tool. E. Benshimol. 2,031,920; Feb. 25.
Glass, Apparatus for case hardening. H. J. Galey. 2,032,008; Feb. 25.
Glass, Apparatus for making fat. F. Geittharp and J. H. Fox. 2,032,009; Feb. 25.
Glass beveling machine. R. B. Smith. 2,031,743; Feb. 25.
Glass bulbs, Sealing charged. A. J. Loepsinger. 2,031,660; Feb. 25.
Glass permeable to ultraviolet rays. W. Kaufmann and E. Bungartz. 2,031,852; Feb. 25.
Glazed unit, Making a double. R. L. Clauss. 2,032,001; Feb. 25.
Glove, Measuring of. W. R. Hornfeld. 2,032,125; Feb. 25.
Glove or mit, Baseball. W. P. Whitley. 2,031,908; Feb. 25.
Grain in storage, Preserving. J. H. Davis. 2,032,264; Feb. 25.
Grating and making same. W. P. Ladd. 2,031,779; Feb. 25.
Grinding machine. S. Einstein, C. Booth, and F. S. Haas. 2,032,269; Feb. 25.
Grinding machinery. S. Einstein, C. Booth, and F. S. Haas. 2,032,268; Feb. 25.
Grinding mill. A. W. Fahrenwald. 2,031,697; Feb. 25.
Grinding wheel head, Self contained. G. S. Gould. 2,032,011; Feb. 25.
Grounding set. H. W. Dodendieck. 2,031,921; Feb. 25.
Guide disk for cross rolls, Demountable. A. P. Diescher. 2,031,761; Feb. 25.
Gum formation in naphthas and products obtained thereby, Inhibiting. C. Winning, L. R. Sargent and J. F. Dudley. 2,031,917; Feb. 25.
Gun mounting, particularly for aircraft. C. V. Murray and J. Lloyd. 2,032,300; Feb. 25.
Gypsum, Decolorizing. F. L. Marsh. 2,031,886; Feb. 25.
Gyroplane aircraft, Stable. P. J. Van Poelvoorde. 2,031,992; Feb. 25.
Hair curling device. T. N. Coffelder. 2,031,760; Feb. 25.
Handbag. N. Rosovsky. 2,032,227; Feb. 25.
Handbag frame. W. C. Hiering. 2,032,057; Feb. 25.
Hanger: *See*—
Clothes hanger.
Headgear, Protective. J. B. Dym. 2,032,208; Feb. 25.
Heat exchange apparatus. C. H. Leach. 2,032,031; Feb. 25.
Heat exchanger. L. U. Larkin. 2,032,134; Feb. 25.
Heat responsive valve. W. L. Belknap. 2,031,630; Feb. 25.
Heat treating apparatus. J. W. Harsch. 2,032,206; Feb. 25.
Heater: *See*—
Waffle iron heater. Water heater.
Heel, Rubber. F. P. Wright. 2,031,783; Feb. 25.
Hinge: *See*—
Toilet seat hinge.
Hinge. H. D. Adams. 2,032,078; Feb. 25.
Hinge structure. J. D. Bolesky. 2,032,100; Feb. 25.
Holder: *See*—
Currency holder. Spool holder.
Sleeve holder.
Holder and dispenser, Toilet paper. F. J. Hall. 2,031,772; Feb. 25.
Hormone derivatives, Sexual. L. Ach and W. Dirscherl. 2,031,561; Feb. 25.
Hose coupling, Renewable. J. P. Eastman. 2,031,835; Feb. 25.
Hosiery drier. J. F. Reinert. 2,032,210; Feb. 25.
Huller, Walnut. W. C. Anderson. 2,031,810; Feb. 25.
Hydrocarbons, Conversion of. J. P. Dougherty, Jr. 2,031,591; Feb. 25.
Hydrocarbons, Conversion of. F. W. Sullivan, Jr. 2,031,907; Feb. 25.
Hydrocarbons, Treating. T. B. Doulan. 2,031,980; Feb. 25.
Hydrogenation, Destructive. E. A. Kiss. 2,031,961; Feb. 25.
Ice, Method of and apparatus for making. A. M. Barrett and L. N. Udell. 2,031,912; Feb. 25.
Igniter, Incandescent. H. Stoll. 2,031,989; Feb. 25.
Ignition transformer. H. A. Rose and A. J. Maslin. 2,032,151; Feb. 25.
Impregnating apparatus. L. duB. Rose. 2,032,028; Feb. 25.
Indenting and stamping machine for clay products such as paving brick and the like. R. D. Matteo. 2,031,990; Feb. 25.
India rubber spring. A. Spencer. 2,032,100; Feb. 25.
Indicator: *See*—
Data indicator. Direction indicator.
Indicator. G. L. Smith. 2,031,741; Feb. 25.
Installation for compiling and collaborating statistical data. C. Borel. 2,031,686; Feb. 25.
Insulation for submarine cables, Producing. E. R. Williams and A. R. Kemp. 2,031,916; Feb. 25.
Internal combustion engine. F. T. Irgens. 2,031,891; Feb. 25.
Ironing board cover. H. H. Finck. 2,031,895; Feb. 25.
Jack: *See*—
Lifting jack. Shoe lasting jack.
Service jack.
Jar, Preserving. W. A. Tricle. 2,031,909; Feb. 25.
Joint filler, shear bar and sleeve alignment therefor, Expansion. R. B. Mitchell. 2,031,901; Feb. 25.
Keg and dispensing mechanism, Beer. H. H. Lecker. 2,032,024; Feb. 25.
Keyboard. A. A. C. Degen. 2,032,168; Feb. 25.
Kitchen utility device. A. C. Gilbert and A. A. Arnold. 2,031,768–70; Feb. 25.
Knee pad. J. S. Walker. 2,031,632; Feb. 25.
Knife, Coring. G. D. Gardner. 2,031,766; Feb. 25.
Knitting machine and method of knitting. R. H. Lawson and A. N. Cloutier. 2,032,324; Feb. 25.
Knitting machine, Flat warp. G. Raupe. 2,032,153; Feb. 25.
Lacquer. R. F. Johnston. 2,031,606; Feb. 25.
Lap compensating device. P. Kellman. 2,031,887; Feb. 25.
Lamp. C. H. Bramitas. 2,031,927; Feb. 25.
Lamp and manufacturing the same, Incandescent. H. H. Strickland. 2,032,232; Feb. 25.
Lamp, tube and similar device. R. B. Thomas. 2,031,748; Feb. 25.
Lap forming apparatus. J. Weinbrenner. 2,032,076; Feb. 25.
Latch: *See*—
Bag frame latch.
Magnetically releasable latch.
Leather, Method and apparatus for impregnating. L. duB. Rose. 2,032,027; Feb. 25.
Leather product and producing it. B. H. Bower. 2,032,250; Feb. 25.
Leather, Waterproofing. H. A. Piggott and G. S. J. White. 2,032,097; Feb. 25.
Leathers, skins, fabrics and the like during their manipulation or making up into manufactured goods, Protecting. R. Schneider and A. Poelman. 2,031,673; Feb. 25.
Level indicating apparatus. H. F. Hitner. 2,032,016; Feb. 25.
License plate for automobiles. B. C. Rash. 2,032,026; Feb. 25.
Lifting jack. L. C. Berman. 2,031,815; Feb. 25.
Lifting jack. W. J. Fiedler. 2,031,700; Feb. 25.
Light concentrate method and means. W. J. Morrissey. 2,031,971; Feb. 25.
Light fixture hanger and socket, Interchangeable electric. V. V. Veyney and H. R. Andersen. 2,031,914; Feb. 25.
Lighter and case, Combined cigarette. F. LeVoci. 2,032,094; Jan. 26.
Lighter, Cigarette. I. Florman. 2,032,273; Feb. 25.
Lining for fruit boxes and the like. E. D. Croce. 2,031,694; Feb. 25.
Link Coupling. E. W. Himberger. 2,031,889; Feb. 25.
Liquid cooling device. G. Jurkat and W. A. Ehert. 2,032,130; Feb. 25.
Liquid dispenser. E. L. Nall. 2,031,616; Feb. 25.
Liquid dispenser. E. R. Williams. 2,031,873; Feb. 25.
Liquid fuel burner. R. M. Sherman. 2,032,332; Feb. 25.
Liquid fuel burner. R. M. Sherman. 2,032,334; Feb. 25.
Liquids, Apparatus for dispensing. E. A. O'Leary. 2,032,096; Feb. 25.
Lister-planter. S. R. Hendricks and J. M. Markel. 2,031,650; Feb. 25.
Loaf, Mechanism to assemble a composite. W. W. Hartman. 2,031,949; Feb. 25.
Lock: *See*—
Brake lock. Oil or gasoline barrel lock.
Lock for interlocking fasteners. E. R. Jordan. 2,032,019; Feb. 25.
Locomotive with individual axle drive, Electric. W. Oertel. 2,032,327; Feb. 25.
Long chain organic acid, Highly branched. F. C. Whitmore, A. H. Homeyer, D. M. Jones, and W. H. Treat. 2,032,150; Feb. 25.
Loom stock fabricating machine. J. H. Roberts. 2,032,098; Feb. 25.
Lubricants and manufacturing the same. R. K. Stratford and J. L. Huggett. 2,031,986; Feb. 25.
Lubricating system. H. A. Rising. 2,031,671; Feb. 25.
Lubricating system, Centralized. O. U. Zerk. 2,032,036; Feb. 25.
Machine for cleaning seed cotton and for extracting the seed cotton from burrs and hulls. J. Blewett. 2,031,587; Feb. 25.
Machine for filleting fish. H. S. Rowton and J. L. Rowton. 2,031,956; Feb. 25.
Machine for tamping earth. J. Eggert. 2,031,695; Feb. 25.
Machine for washing, drying, and polishing tumblers, cups, and like articles. A. Griffiths. 2,032,018; Feb. 25.
Machine parts and apparatus intended for high temperature operation, F. Rittershausen and H. Korschan. 2,031,904; Feb. 25.
Magazine vending machine. A. Graillat. 2,032,278; Feb. 25.
Magnetically releasable latch. F. C. Schoch. 2,031,728; Feb. 25.
Magnetron. W. E. Kühle, D. Prins, and F. Harriger. 2,031,778; Feb. 25.
Marking machine. C. F. Eaton. 2,031,763; Feb. 25.
Mat, Door. C. C. Teidemann. 2,031,867; Feb. 25.
Material, Conveying pulverulent. M. Vogel-Jorgensen. 2,032,237; Feb. 25.
Materials, Impregnation of. W. Breuers, H. Mark, and E. Konrad. 2,031,929; Feb. 25.
Materials, Manufacture and treatment of. H. Dreyfus. 2,031,594; Feb. 25.
Measuring and filling mechanism. L. E. Spear. 2,031,919; Feb. 25.
Mechanism for emptying containers. J. E. Trouth. 2,031,909; Feb. 25.
Medicine glass cover. E. Johnson. 2,031,892; Feb. 25.
Merchandise container. H. W. King. 2,031,896; Feb. 25.
Metal articles for coating. J. J. Canfield and G. W. McGahan. 2,032,256; Feb. 25.
Metal surfaces, Cleaning. C. Johnson. 2,032,274; Feb. 25.
Meter: *See*—
Electric meter. Flow meter.
Meter for liquids. J. P. B. Poillot. 2,031,852; Feb. 25.
Meter test block. T. J. Newman. 2,032,001; Feb. 25.

Microphone, Dynamic. H. E. Tarkington. 2,031,678; Feb. 25.
Mill: *See*—
Grinding mill. Ore crushing mill.
Mirror, Framed. J. B. Abrams. 2,031,627; Feb. 25.
Modulation. J. L. Finch. 2,031,659; Feb. 25.
Mold. K. A. M. Reiche. 2,032,229; Feb. 25.
Mold aligning apparatus. H. Shaffer. 2,031,789; Feb. 25.
Molten material, Cooling. E. J. Franks. 2,031,790; Feb. 25.
Motor: *See*—
Capacitor motor. Oscillator motor.
Motor control system. R. M. Bayle. 2,032,107; Feb. 25.
Motor-generator. Thermoelectric. E. J. Mathias. 2,031,967; Feb. 25.
Mounting, Camera. A. G. Zimmerman. 2,031,809; Feb. 25.
Mounting for light sensitive devices. P. Haas. 2,031,646; Feb. 25.
Mounting, Reservoir. J. D. Cartin. 2,031,698; Feb. 25.
Mounting, Thermostat. W. H. Radford. 2,032,069; Feb. 25.
Multicompartment container. H. Schneider. 2,032,153; Feb. 25.
Musical instrument, Electrical. L. R. A. Bourn. 2,031,044; Feb. 25.
Musical instrument, Stringed. G. D. Hambrecht and J. W. Paine. 2,031,706; Feb. 25.
Musical system, Photoelectric. I. Bremer. 2,031,764; Feb. 25.
Non-sugars from saccharine materials, Recovering. G. T. Reich. 2,031,670; Feb. 25.
Nozzle, Suction. F. J. R. Karlstrom. 2,031,667; Feb. 25.
Nuts, Apparatus for treating toasted. L. M. Bawin. 2,031,908; Feb. 25.
Oil can. F. M. Schaefer. 2,031,673; Feb. 25.
Oil or gasoline barrel lock. A. Ostgaard. 2,032,226; Feb. 25.
Oil recovery device. N. M. Small and F. Shenton. 2,032,230; Feb. 25.
Oil retainer. L. A. Johnson. 2,031,956; Feb. 25.
Oil well drilling system, Electrical differential. S. A. Staege. 2,032,185; Feb. 25.
Oils, Stabilized refined mineral, vegetable, and animal. H. E. Buc. 2,031,930; Feb. 25.
Oils, Treatment of lubricating. A. A. Griffith and W. Helmore. 2,032,279; Feb. 25.
Opener, Can. L. R. Morgan. 2,031,845; Feb. 25.
Ore crushing mill. G. H. Beers. 2,032,247; Feb. 25.
Oscillatory motor. G. H. Leland. 2,032,236; Feb. 25.
Outlet box. C. C. Buckels. 2,031,689; Feb. 25.
Overflow device. W. C. Stellberg. 2,032,231; Feb. 25.
Pad: *See*—
Electric heating pad. Knee pad.
Paging system. C. Auth. 2,032,087; Feb. 25.
Pail, Ice cream. C. B. Kiefaber. 2,031,834; Feb. 25.
Paint and plastic composition, Cementitious. H. A. Scholz. 2,032,071; Feb. 25.
Paper coating apparatus and method. L. Hornbostel. 2,032,211; Feb. 25.
Paper conveying device for sheets especially for use in office printing machines. A. Breuer. 2,032,166; Feb. 25.
Paper, Surface-finished. G. A. Richter. 2,031,854; Feb. 25.
Pavements, Method of and apparatus for finishing concrete. E. B. Gage. 2,032,205; Feb. 25.
Phonographic apparatus. G. L. Dimmick. 2,031,822; Feb. 25.
Phonographic apparatus. L. T. Sachtleben. 2,031,857-8; Feb. 25.
Phonophotographic apparatus. C. N. Batsel and E. W. Kellogg. 2,031,812; Feb. 25.
Photoelectric tube. M. C. Teves and H. J. M. Van Embden. 2,031,864; Feb. 25.
Piano keyboard. F. A. Vistor. 2,031,748; Feb. 25.
Picture apparatus, Motion. F. Conrad, C. Aalberg, and O. B. French. 2,032,116; Feb. 25.
Picture apparatus, Portable talking motion. H. C. Holden. 2,031,832; Feb. 25.
Picture apparatus, Talking motion. J. R. Kiel. 2,031,606; Feb. 25.
Picture sound recording and reproducing apparatus, Moving. P. Safranski and K. Rose. 2,031,794; Feb. 25.
Pigments, Recovering. O. Ungnade and W. F. Richards. 2,031,701; Feb. 25.
Piling, Sheet iron. O. Wolff. 2,032,243; Feb. 25.
Pin: *See*—
Printers' gauge pin.
Pin and making the same, Sheet metal insulator support. A. A. Hocker and M. Lasher. 2,032,017; Feb. 25.
Pipe fitting. J. J. O'Leary. 2,031,849; Feb. 25.
Pipe forming process W. L. Engbaeser. 2,032,271; Feb. 25.
Piston for liquid metering cylinders, Expansible and contractible. T. A. Fee, Jr. 2,032,007; Feb. 25.
Pistons, Method of expanding. E. A. Koether. 2,032,080; Feb. 25.
Pitch propeller, Adjustable. F. W. Caldwell. 2,032,254; Feb. 25.
Planter, Automatically operable seed. T. B. Johnson. 2,031,713; Feb. 25.
Planter, Potato. H. Brooks. 2,032,251; Feb. 25.
Planter, Tractor. G. Geraldson. 2,031,649; Feb. 25.
Plasters, Producing light weight. J. C. Best and F. L. Marsh. 2,031,568; Feb. 25.
Plastic material, Apparatus for treating. H. D. Stevens. 2,032,073; Feb. 25.
Plasticized composition. H. S. Holt. 2,032,091; Feb. 25.
Plumbing fixture. J. Tjaarda. 2,031,679; Feb. 25.
Plunger, Multiple coin actuated W. H. Rowe. 2,032,223; Pneumatic appliance. L. A. Vertuno. 2,031,870; Feb. 25.
Pocket vector. L. P. Mendenhall. 2,031,661; Feb. 25.
Pointer mounting arrangement for measuring instruments. W. H. Pratt. 2,032,206; Feb. 25.
Post sizing and peeling machine. W. N. Riddick. 2,031,903; Feb. 25.
Pouring spout container. W. J. Wardell. 2,031,623; Feb. 25.
Powder, Making emulsoids. M. F. Lindsley, Jr. 2,031,650; Feb. 25.
Power transmitting device for automotive vehicles. O. Werner. 2,031,807; Feb. 25.
Power transmission apparatus. E. E. Vincent. 2,031,749; Feb. 25.
Press: *See*—
Block press.
Pressed-on hose coupling. J. P. Eastman. 2,031,823; Feb. 25.
Pressed-on hose coupling. G. Hutchinson. 2,031,833; Feb. 25.
Pressing machine. M. J. Berisht. 2,031,687; Feb. 25.
Pressure regulating valve. W. R. Johnston. 2,032,234; Feb. 25.
Pressure relief valve. W. G. Laird. 2,032,225; Feb. 25.
Printer's gauge pin. T. W. Cleveland and T. W. Dunton. 2,032,004; Feb. 25.
Printing machine, Rotary. O. Hitmand. 2,031,727; Feb. 25.
Printing press for printing spots of wax carbon on sheets of paper. W. F. Burke. 2,032,047; Feb. 25.
Prop, Clothesline. A. Kovalik. 2,032,142; Feb. 25.
Propeller. F. W. Caldwell. 2,032,255; Feb. 25.
Protecting means for mechanisms. M. C. Ekstrom. 2,031,874; Feb. 25.
Protector: *See*—
Eye protector.
Pull box remote control. D. Mapes. 2,031,964; Feb. 25.
Pulley, Multiple groove expanding. M. Jannin. 2,031,712; Feb. 25.
Pulsator pump, Electrically actuated. C. Ramigt. 2,032,145; Feb. 25.
Pulverizing apparatus. J. Ihlefeldt. 2,031,710; Feb. 25.
Pump: *See*—
Pulsator pump. Rotary pump.
Pump. H. Hueber and E. C. Horton. 2,032,220; Feb. 25.
Pump. L. H. Logue. 2,031,609; Feb. 25.
Pump or motor R. K. Benedek. 2,032,079; Feb. 25.
Pumping apparatus, W. O. Lum. 2,032,201; Feb. 25.
Pyrites, Burning of. D. Tyrer. 2,031,801; Feb. 25.
Radiator core. A. R. Modine. 2,032,065; Feb. 25.
Radiators, Heating of. A. C. Freeman. 2,031,883; Feb. 25.
Radio receiving set. R. F. Andrews. 2,031,997; Feb. 25.
Radio receiving system. Y. Rocard. 2,031,726; Feb. 25.
Radio tuning system. C. B. Marsden. 2,031,841; Feb. 25.
Radio volume control. G. Corbett. 2,032,117; Feb. 25.
Rail bond. A. L. Lee. 2,032,290; Feb. 25.
Rail car wheel. C. L. Ehsergian and P. E. Baker. 2,032,061; Feb. 25.
Range. H. T. Burrow. 2,032,252; Feb. 25.
Range. W. A. Budick. 2,032,046; Feb. 25.
Range burner. E. M. Sherman and F. F. Neumann. 2,032,233; Feb. 25.
Rate of climb instruments. A. Urfer. 2,031,808; Feb. 25.
Receptacle: *See*—
Bird feed receptacle. Covered receptacle.
Receptacle and plug, Electric signal. C. Auth. 2,032,088; Feb. 25.
Receptacle filling and sealing machine. A. S. Chandler. 2,032,259; Feb. 25.
Reclining chair. J. Kusa. 2,032,288; Feb. 25.
Record and making and using same. J. E. Jenkins and S. E. Adair. 2,031,605; Feb. 25.
Reducing machine, Rotary. W. J. Armstrong. 2,031,668; Feb. 25.
Reel: *See*—
Film reel.
Refrigerant compressor. W. D. Dryadale. 2,031,941; Feb. 25.
Refrigerant feed control. W. R. Kitzmiller. 2,032,287; Feb. 25.
Refrigerant liquid return system. W. R. Kitzmiller. 2,032,286; Feb. 25.
Refrigerating apparatus. J. A. Grier. 2,032,012; Feb. 25.
Refrigerating apparatus. G. C. Thomas. 2,032,236; Feb. 25.
Regulating device for internal combustion engines. J. B. Wild and W. B. Schwarzmann. 2,031,625; Feb. 25.
Regulator for burners, Pressure operated. W. E. Johnston. 2,032,238; Feb. 25.
Retardation controller. J. W. Logan, Jr. 2,032,178; Feb. 25.

Ribbons, straw and the like, Manufacture of artificial. H. Dreyfus. 2,031,636; Feb. 25.
Road machine. C. A. Gustafson. 2,032,088; Feb. 25.
Road surface mixing device. F. B. Aborne. 2,031,633; Feb. 25.
Rocking device. E. C. Claus. 2,032,049; Feb. 25.
Rod or tool connecter. J. H. Blake. 2,032,196; Feb. 25.
Roller. A. M. Wightman 2,031,872; Feb. 25.
Rubber and metal articles, Making bonded. E. K. Lee and W. J. McCortney. 2,031,720; Feb. 25.
Rubber composition containing petroleum resins. P. K. Frolich. 2,031,944; Feb. 25.
Rubber repair material. A. E. Kempel. 2,031,960; Feb. 25.
Salts from solutions, Apparatus for recovering crystalline. S. H. Davis, C. O. Anderson, and R. J. Stengl. 2,032,201; Feb. 25.
Sand, Purifying glass. R. R. McGregor and E. W. Tillotson. 2,031,900; Feb. 25.
Sanitary appliance. C. F. Emery, Jr. 2,031,638; Feb. 25.
Sanitary shipping container. C. H. Rollason. 2,031,855; Feb. 25.
Sash fastener, Window. A. L. Luce. 2,031,897; Feb. 25.
Sash locking means, Window. P. Riddle. 2,031,791; Feb. 25.
Saw guide, Band. H. B. Tautz. 2,032,223; Feb. 25.
Screen: *See*—
Vibratory screen.
Seal, Tamperproof closure. S. Grauer. 2,032,207; Feb. 25.
Seeds, Separating. F. C. Dyer and H. L. McClelland. 2,031,943; Feb. 25.
Self-adjusting brake. H. Smith, J. Schiegel, and A. B. Asbury. 2,031,742; Feb. 25.
Selvage opener for teatering machines. W. D. Rundlett. 2,032,070; Feb. 25.
Service jack. O. H. Rechard and O. F. Kuhlman. 2,032,209; Feb. 25.
Sewing machine. F. Ricks, H. E. Elliott, and F. C. Choice. 2,032,311; Feb. 25.
Sewing machine. C. W. Schweiger. 2,031,675; Feb. 25.
Sewing machine mechanism. F. N. Ross, and H. L. Johnson. 2,031,905; Feb. 25.
Sewing machine, Upholstery. F. N. Ross and H. L. Johnson. 2,031,906; Feb. 25.
Sewing machines, Stitch finger for. C. J. Hausbeck. 2,031,831; Feb. 25.
Sextant. A. F. Hegenberger and A. W. Knisley. 2,031,601; Feb. 25.
Shake splitting machine. J. C. Butler. 2,031,877; Feb. 25.
Shaker, Combined salt and pepper. C. L. Baranowski. 2,031,755; Feb. 25.
Shearing mechanism. W. C. Weber. 2,032,075; Feb. 25.
Shears. J. S. Haywood. 2,032,281; Feb. 25.
Shears for trimming sheet metal. L. Frielinghaus. 2,032,276; Feb. 25.
Sheet material from a support or pile, Lifting. C. Richardson. 2,032,150; Feb. 25.
Shell reloading machine. C. E. Peterson. 2,031,850; Feb. 25.
Shield, Brake. C. E. Budd. 2,031,690; Feb. 25.
Shield, Shower. C. D. McCord. 2,032,190; Feb. 25.
Shingle. D. F. Fradette. 2,032,275; Feb. 25.
Shingle. P. S. Varden. 2,031,993; Feb. 25.
Shock absorber. F. D. Funston. 2,032,124; Feb. 25.
Shock absorber. H. F. Rossman. 2,032,183; Feb. 25.
Shock absorber for vehicles, Hydraulic. C. Lacroix. 2,032,289; Feb. 25.
Shoe. L. Goldberg. 2,032,206; Feb. 25.
Shoe lasting jack. J. Toscano. 2,031,868; Feb. 25.
Shoe protecting device. S. Friedenberg. 2,032,052; Feb. 25.
Shoes during their manufacture, Protecting. R. Schneider and A. Poelman. 2,031,674; Feb. 25.
Shoes, Making. J. B. Hadaway. 2,031,645; Feb. 25.
Sign: *See*—
Display sign.
Signal device, Audible. M. R. Pipkin and R. J. Blake. 2,031,667; Feb. 25.
Signaling system. S. N. Mead. 2,031,970; Feb. 25.
Signaling system, Carrier wave. A. D. Ring. 2,032,312; Feb. 25.
Silencer for internal combustion engines. K. Frey. 2,031,702; Feb. 25.
Silicon carbide resistors, Manufacture of. A. J. Thompson. 2,032,077; Feb. 25.
Skate wheel and producing same. L. G. Knapp. 2,032,059; Feb. 25.
Skip loading mechanism. F. H. Goodell and C. W. Ross. 2,031,946; Feb. 25.
Skylight glasses and the like, Supporting. G. H. Lenke. 2,031,896; Feb. 25.
Slack adjuster, Automatic. H. Gallusser. 2,031,704; Feb. 25.
Sleeve holder. J. B. Masse. 2,032,292; Feb. 25.
Slipper. S. Stephens. 2,031,796; Feb. 25.
Snap valve. F. A. Gauger. 2,032,053; Feb. 25.
Soap, Packaging molten. R. H. Potts. 2,031,858; Feb. 25.
Soda, Manufacture of caustic. H. K. Moore. 2,031,944; Feb. 25.
Soldering flux. W. K. Schweitzer. 2,031,909; Feb. 25.
Solvent recovery device. G. A. Mott and C. C. Jones. 2,032,298; Feb. 25.
Solvents, Cellulose derivative. G. W. Seymour. 2,031,619; Feb. 25.
Sound from sound films, Method of and system for reproducing. O. Chouinard. 2,032,200; Feb. 25.
Sound gate. F. Schiff. 2,032,184; Feb. 25.
Sound reproducing apparatus, Electrodynamic. D. T. Hinchen. 2,031,775; Feb. 25.
Sound, System and apparatus for recording and reproducing. A. A. Thomas. 2,031,865; Feb. 25.
Sound system for visually observing, Short wave. J. L. Gray. 2,031,884; Feb. 25.
Sound vibrations on flexible records, Apparatus for engraving. M. A. Lichten. 2,032,062; Feb. 25.
Splicing mechanism, Automatic. H. A. W. Wood. 2,032,244; Feb. 25.
Spool holder. L. C. Hogan. 2,031,890; Feb. 25.
Spouts to containers, Attaching. W. F. Leonhart. 2,031,838; Feb. 25.
Spray container. C. Winning. 2,031,916; Feb. 25.
Spring: *See*—
Automobile spring. India rubber spring.
Springs together, Apparatus for tying coil. B. Krakauer and S. S. Marcus. 2,031,894; Feb. 25.
Sprinkler head. H. E. Meng. 2,032,064; Feb. 25.
Stand and book-rack, Combination lamp. J. P. Golden and J. F. O'Neil. 2,032,086; Feb. 25.
Starter and compressor, Combined engine. R. M. Nardone. 2,032,025; Feb. 25.
Static and interference balance system. J. M. Kane. 2,031,607; Feb. 25.
Steering mechanism. A. Neveu. 2,032,146; Feb. 25.
Stiffener, Collar point. J. De Benedetti. 2,032,266; Feb. 25.
Stiffening of double collars. H. Hönigsberg. 2,031,776; Feb. 25.
Stoker conveyer. H. P. Anderson. 2,032,338; Feb. 25.
Stopper, Automatic bottle. J. B. Della Libera y Silicani. 2,031,821; Feb. 25.
Stopper, Bottle. A. B. Dodge. 2,031,880; Feb. 25.
Stopper, Nonrefillable bottle. W. H. Kern. 2,031,715; Feb. 25.
Stretcher, Curtain. S. Hausbach. 2,032,090; Feb. 25.
Strip moistener, Gummed. T. J. Gray. 2,031,697; Feb. 25.
Suction cleaner. D. G. Smellie. 2,031,911; Feb. 25.
Sugar manufactering process. J. M. Widmer. 2,032,160; Feb. 25.
Sulphur dioxide from gas mixtures, Recovery of. D. Tyrer. 2,031,802; Feb. 25.
Support: *See*—
Brake beam safety support. Tubing support.
Table leaf support.
Support for use in conjunction with cabinets and the like, Extensible. H. A. Sperlich. 2,032,188; Feb. 25.
Supporter grip, Hose. W. F. Fassett. 2,031,699; Feb. 25.
Sweetening process. F. R. Moser. 2,031,972; Feb. 25.
Switch: *See*—
Gang operated switch.
Switch box lath clamp. J. R. Simek. 2,031,861; Feb. 25.
Switching arrangement for four-wire circuits. L. Espenschied and N. Monk. 2,031,696; Feb. 25.
Synchronizing system. P. A. Noxon. 2,031,976; Feb. 25.
Table: *See*—
Extensible table. Game table.
Table leaf support. F. L. Casper. 2,031,759; Feb. 25.
Tank car. K. S. Howard. 2,032,212; Feb. 25.
Tank gauge. L. H. Bogart. 2,031,999; Feb. 25.
Tape ladder for Venetian blinds. G. C. Runge. 2,031,981; Feb. 25.
Teeth, Attachment for artificial. J. Taguchi. 2,032,102; Feb. 25.
Telegraph system, Printing. T. L. Corwin. 2,031,934; Feb. 25.
Telephone call apparatus. J. Servanton and J. M. Consael. 2,032,229; Feb. 25.
Telephone pay station apparatus. G. A. Long. 2,032,063; Feb. 25.
Telephone system. F. A. Bonomi. 2,031,922; Feb. 25.
Telephone system. A. Carson. 2,031,692; Feb. 25.
Temple for eyeglasses. F. L. Grier. 2,031,771; Feb. 25.
Tensioning device. G. L. Matthews and H. L. Diehl. 2,032,217; Feb. 25.
Tentering and drying machine. M. Hahn. 2,032,014; Feb. 25.
Testing machine. C. L. Dennis. 2,032,202; Feb. 25.
Tetraphosphates, Making. A. H. Finke and C. S. Bryan. 2,031,827; Feb. 25.
Textile machinery. J. Jabouley. 2,031,655; Feb. 25.
Textile material, Coated. S. A. Atkins. 2,031,629; Feb. 25.
Thermoelectric machine, Centrifugal. R. J. Mathias. 2,031,966; Feb. 25.
Thermometer. A. E. Whittier. 2,031,624; Feb. 25.
Thermostat, Compensated pilot-controlled. N. T. Branche and V. O. Beam. 2,032,045; Feb. 25.
Thermostat, Manual reset. P. R. Lee. 2,032,136; Feb. 25.
Thread printing apparatus selector mechanism. D. B. Bonner. 2,032,043; Feb. 25.
Thread restoring tool. G. A. Boettcher. 2,032,198; Feb. 25.
Threads, Apparatus for feeding and winding textile. W. I. Taylor and A. H. Woodruff. 2,031,799; Feb. 25.
Tile spacer. F. H. Berger. 2,031,684; Feb. 25.

Timepiece and the like. R. C. Graseby. 2,031,705; Feb. 25.
Time release device, Automatic. W. H. Stilling. 2,032,189; Feb. 25.
Tire spreading machine. A. Mehnert. 2,032,295; Feb. 25.
Tire vulcanizer. C. E. Norris. 2,032,222; Feb. 25.
Titanium sub-oxide materials, Purifying. F. von Bichowsky. 2,031,750; Feb. 25.
Toaster, Electric. I. Jeppson. 2,031,856; Feb. 25.
Toasting and similar apparatus. C. A. Feltman. 2,032,272; Feb. 25.
Toilet seat hinge, Lock-on. W. A. Carmichael. 2,032,257; Feb. 25.
Tool: *See*—
Bearing pulling tool. Thread restoring tool.
Geometric tool.
Tool for preparing belt ends. J. C. Olsen. 2,031,977; Feb. 25.
Tooth curve for rotors and gears. M. F. Hill. 2,031,888; Feb. 25.
Torch for welding seams along curving surfaces. J. L. Anderson. 2,031,583; Feb. 25.
Toy. F. I. Wheeler, Jr. 2,032,192; Feb. 25.
Toy, Constructional. R. Ogden. 2,031,848; Feb. 25.
Toy machine gun. E. C. Mitchell. 2,031,842; Feb. 25.
Toy, Percussion. M. L. Wiener. 2,032,161; Feb. 25.
Toy road scraper. J. V. and A. M. Watt. 2,031,751; Feb. 25.
Tractor. T. Brown. 2,031,758; Feb. 25.
Tractor wheel. W. Maxwell. 2,032,293; Feb. 25.
Train pipe coupling. H. P. Petsnick. 2,032,096; Feb. 25.
Transmission and braking mechanism, Automotive. F. W. Cotterman. 2,032,050; Feb. 25.
Transmission system for a pressure-operated member such as a hydraulic press. D. Sciaky. 2,032,185; Feb. 25.
Transmitting system. C. W. Hansell. 2,032,208; Feb. 25.
Trimming apparatus. J. Q. Holmes. 2,032,127; Feb. 25.
Trinitrotoluene, Purification of. J. A. Wyler. 2,032,035; Feb. 25.
Tube: *See*—
Braun tube. Photoelectric tube.
Carrier tube.
Tubing support. J. H. Howard. 2,031,654; Feb. 25.
Turbine, Thermoelectric. R. J. Mathias. 2,031,968; Feb. 25.
Two-stroke engine. A. L. R. Bernard. 2,032,108; Feb. 25.
Typewriter attachment. M. W. Krauth. 2,031,962; Feb. 25.
Typewriting machine. C. W. Brenn. 2,031,928; Feb. 25.
Typewriting machine. W. A. Dobson. 2,031,593; Feb. 25.
Upholstery for seat backs. W. A. Gedris. 2,031,583; Feb. 25.
Vacuum cleaner. F. Riebel, Jr., D. M. Dow, and L. W. Child. 2,031,734; Feb. 25.
Valve: *See*—
Engine valve. Pressure regulating valve.
Gas or vapor discharge valve. Pressure relief valve.
Snap valve.
Heat responsive valve. Water relief valve.
Valve. C. H. Cotton. 2,032,316; Feb. 25.
Valve. A. Novotny. 2,032,302; Feb. 25.
Valve cap for use with wheel or tire covers. H. S. Jandus. 2,031,955; Feb. 25.
Valve controls for multicylindered internal combustion engines, Choke. C. E. Patton. 2,031,902; Feb. 25.
Valve device, Triple. C. C. Farmer. 2,032,169; Feb. 25.
Valve device, Triple. J. C. McCune. 2,032,143; Feb. 25.
Valve mechanism and actuating means therefor. G. S. McKee and H. L. Galson. 2,031,614; Feb. 25.
Valve testing device. C. C. Farmer. 2,032,121; Feb. 25.
Vanity case or compact. H. B. Clegg. 2,031,933; Feb. 25.
Vehicle, Wheeled. J. C. Mock. 2,032,219; Feb. 25.
Vibration damping device. H. C. Harrison. 2,031,948; Feb. 25.
Vibration translating device. C. F. Wiebusch. 2,032,194; Feb. 25.
Vibratory screen. E. B. and I. F. Deister. 2,032,082; Feb. 25.
Viscosity device, Comparative. A. F. Blanchard. 2,032,197; Feb. 25.
Vitreous material, Manufacture of an improved. A. W. H. Wedlock. 2,032,239; Feb. 25.
Waffle iron heater. H. F. Umstott. 2,032,104; Feb. 25.
Wagon for transportation by rail and by road. J. B. L. Degiarge. 2,032,267; Feb. 25.
Wall covering. J. L. Tuthill. 2,031,680–1; Feb. 25.
Washing machine, Linen. J. and A. Persoons. 2,031,788; Feb. 25.
Water dispenser, Drinking. A. Gudmundsen. 2,031,599; Feb. 25.
Water heater, Electric. M. S. Gaselle. 2,032,125; Feb. 25.
Water heater, Instantaneous electrical. R. Holt. 2,032,210; Feb. 25.
Water level indicator for steam boilers. L. O. Gunderson. 2,031,644; Feb. 25.
Water, Purifying of. M. Jaenicke and G. Bailleul. 2,031,711; Feb. 25.
Water relief valve, Steam line. L. C. Hyatt. 2,031,953; Feb. 25.
Wave oscillating system, Standing. I. E. Mouromtseff and H. V. Noble. 2,032,181; Feb. 25.
Web roll controlling mechanism for printing machines. H. V. Ball. 2,032,339; Feb. 25.
Weft replenishing mechanism of looms for weaving. J. E. Moore. 2,031,726; Feb. 25.
Weighting means for spinning frames. C. Morton. 2,032,298; Feb. 25.
Welded article and process therefor. S. A. Snell. 2,031,862; Feb. 25.
Well drilling apparatus. W. L. Church. 2,031,931; Feb. 25.
Well packer, Oil. E. D. McFadden. 2,031,613; Feb. 25.
Well point. A. C. Saxe. 2,031,983; Feb. 25.
Wheel: *See*—
Rail car wheel. Tractor wheel.
Wick feed oiler. W. N. Hallanger. 2,031,648; Feb. 25.
Windshield cleaner. E. Hansmann. 2,031,830; Feb. 25.
Windshield cleaner. E. C. Horton and H. Hueber. 2,032,319; Feb. 25.
Window and screen, Combination storm. H. O. Doble. 2,031,875; Feb. 25.
Window construction. O. R. Hankins. 2,032,126; Feb. 25.
Window construction. J. A. Ryan. 2,031,907; Feb. 25.
Window unit, Sliding. A. B. Fisk. 2,032,170; Feb. 25.
Wing structure. P. E. Mercier. 2,031,662; Feb. 25.
Wire feeding apparatus. V. J. Chapman. 2,032,260; Feb. 25.
Wood impregnation. C. W. Mudge. 2,031,978; Feb. 25.
Yarns, Manufacture of spun. F. C. Hale. 2,031,647; Feb. 25.
Yeast, Purifying. G. T. Reich. 2,031,668; Feb. 25.
Zinc chloride base flux. E. A. Taylor. 2,031,913; Feb. 25.

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